Chemical Analysis Report

NW-DIST-2023-08-01-01

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

Event Description: **Laurel Hill East**
Request ID: **RQ-2023-07-31-26**
Customer: **NW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
160 W Government Street
Suite 208
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Certified by: Colin Wright, Program Administrator

Date Certified: 23-AUG-2023 09:08

Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical groups are included in this report: Nutrients and Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Gum Creek **Collection Date/Time: 07/31/2023 12:30**

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427703	EPA 8321B	Aldicarb	0.020	U	ug/L	P433156	
		Aldicarb Sulfone	0.0020	U	ug/L	P433156	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P433156	MS
		Carbaryl	0.0020	U	ug/L	P433156	MS
		Carbofuran	0.0020	U	ug/L	P433156	MS
		3-Hydroxycarbofuran	0.0020	U	ug/L	P433156	
		Methiocarb	0.0020	U	ug/L	P433156	MS
		Methomyl	0.0020	U	ug/L	P433156	
		Oxamyl	0.0020	U	ug/L	P433156	
		Propoxur	0.0020	U	ug/L	P433156	MS
2427704		2,4-D	0.0020	U	ug/L	P433321	
		Acesulfame K	0.10	U	ug/L	P433285	
		2,4,5-T	0.0040	U	ug/L	P433321	
		AMPA	0.10	U	ug/L	P433285	
		Acetaminophen	0.0080	U	ug/L	P433321	
		Acetamiprid	0.0020	U	ug/L	P433321	
		Endothall	0.25	U	ug/L	P433285	
		Glufosinate	0.10	U	ug/L	P433285	
		Glyphosate	0.10	U	ug/L	P433285	
		Afidopyropen	0.0020	U	ug/L	P433321	
		Sucralose	0.25		ug/L	P433285	
		Bentazon	8.0E-04	UJ	ug/L	P433321	MS
		Benzovindiflupyr	0.0020	U	ug/L	P433321	
		Carbamazepine	8.0E-04	U	ug/L	P433321	
		Clothianidin	0.0020	U	ug/L	P433321	
		Dinotefuran	0.0020	U	ug/L	P433321	
		Diuron	0.0020	UJ	ug/L	P433321	MS, RPD
		Fenuron	0.032	U	ug/L	P433321	
		Fluridone	8.0E-04	U	ug/L	P433321	
		Imazapyr	0.0091	I	ug/L	P433321	
		Hydrocodone	0.0020	U	ug/L	P433321	
		Ibuprofen	0.080	U	ug/L	P433321	
		Imidacloprid	0.0051	I	ug/L	P433321	
		Linuron	0.0040	U	ug/L	P433321	
		Mandestrobin	0.0020	U	ug/L	P433321	
		MCPP	0.0020	U	ug/L	P433321	
		Naproxen	0.0080	U	ug/L	P433321	
		Primidone	0.0040	U	ug/L	P433321	
		Pyraclostrobin	0.0020	U	ug/L	P433321	
		Silvex	0.0040	U	ug/L	P433321	
		Thiamethoxam	0.0020	U	ug/L	P433321	
		Tolfenpyrad	0.0020	U	ug/L	P433321	
		Triclopyr	0.0040	U	ug/L	P433321	
2427712	EPA 8270E	Aldrin	0.76	U	ng/L	P433350	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427712	EPA 8270E	Alpha-BHC	0.12	U	ng/L	P433350	
		Alpha-Chlordane	0.23	U	ng/L	P433350	
		PCB-1016	2.3	U	ng/L	P433350	
		Beta-BHC	0.12	U	ng/L	P433350	
		PCB-1221	2.3	U	ng/L	P433350	
		Beta-Cyfluthrin	1.5	U	ng/L	P433350	
		PCB-1232	2.3	U	ng/L	P433350	
		Bifenthrin	0.58	U	ng/L	P433350	
		PCB-1242	2.3	U	ng/L	P433350	
		PCB-1248	2.3	U	ng/L	P433350	
		Chlorothalonil	4.2	U	ng/L	P433350	
		PCB-1254	2.3	U	ng/L	P433350	
		Cis-Nonachlor	0.23	U	ng/L	P433350	
		PCB-1260	2.3	U	ng/L	P433350	
		Cypermethrin	1.7	U	ng/L	P433350	
		Dacthal	0.17	U	ng/L	P433350	
		DDD-p,p'	0.29	U	ng/L	P433350	
		DDE-p,p'	0.23	U	ng/L	P433350	
		DDT-p,p'	0.93	U	ng/L	P433350	
		Delta-BHC	0.47	U	ng/L	P433350	
		Deltamethrin	1.5	U	ng/L	P433350	
		Dichlobenil	0.29	U	ng/L	P433350	
		Dicofol	1.5	U	ng/L	P433350	
		Dieldrin	0.47	U	ng/L	P433350	
		Endosulfan I	0.47	U	ng/L	P433350	
		Endosulfan II	1.0	U	ng/L	P433350	
		Endosulfan Sulfate	0.35	U	ng/L	P433350	
		Endrin	1.0	U	ng/L	P433350	
		Endrin Aldehyde	0.87	U	ng/L	P433350	
		Endrin Ketone	0.47	U	ng/L	P433350	
		Esfenvalerate	0.87	U	ng/L	P433350	
		Ethalfluralin	0.17	U	ng/L	P433350	
		Fenpropathrin	0.29	U	ng/L	P433350	
		Gamma-BHC	0.15	U	ng/L	P433350	
		Gamma-Chlordane	0.23	U	ng/L	P433350	
		Heptachlor	0.23	U	ng/L	P433350	
		Heptachlor Epoxide	0.29	U	ng/L	P433350	
		Hexachlorobenzene**	1.2	U	ng/L	P433350	
		Kepone	16	U	ng/L	P433350	
		Lambda-Cyhalothrin	0.87	U	ng/L	P433350	
		Methoprene	0.87	U	ng/L	P433350	
		Methoxychlor	0.35	U	ng/L	P433350	
		MGK-264	0.23	U	ng/L	P433350	
		Mirex	0.41	U	ng/L	P433350	
		Oxychlordane	0.35	U	ng/L	P433350	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427712	EPA 8270E	Permethrin	1.9	U	ng/L	P433350	
		Phenothrin	1.0	U	ng/L	P433350	
		Piperonyl Butoxide	0.17	U	ng/L	P433350	MS
		Prallethrin	2.3	U	ng/L	P433350	
		Tau-Fluvalinate	0.29	U	ng/L	P433350	
		Tetramethrin	0.87	U	ng/L	P433350	
		Trans-Nonachlor	0.23	U	ng/L	P433350	
		Triclosan Methyl	0.17	U	ng/L	P433350	
		Trifluralin	0.23	U	ng/L	P433350	
	EPA 8276	Chlordane	2.3	U	ng/L	P433350	
		Toxaphene	17	U	ng/L	P433350	
2427713	EPA 8270E	Oxybenzone**	12	U	ng/L	P433263	
		Acetochlor	0.24	U	ng/L	P433263	
		Octinoxate**	180	U	ng/L	P433263	
		Alachlor	0.48	U	ng/L	P433263	
		Avobenzone**	120	U	ng/L	P433263	
		Ametryn	1.3	U	ng/L	P433263	
		Atrazine	1.0	I	ng/L	P433263	
		PBDE-47**	4.8	U	ng/L	P433263	
		Atrazine Desethyl	1.5	U	ng/L	P433263	
		PBDE-99**	5.9	U	ng/L	P433263	
		Azinphos Methyl	3.6	U	ng/L	P433263	
		Tri-o-cresyl Phosphate**	7.1	U	ng/L	P433263	
		Azoxystrobin	0.48	U	ng/L	P433263	
		Bromacil	0.71	U	ng/L	P433263	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	14	U	ng/L	P433263	
		Butylate	0.24	U	ng/L	P433263	
		Dechlorane Plus**	36	U	ng/L	P433263	
		Caffeine**	12	I	ng/L	P433263	
		Dechlorane 602**	5.9	U	ng/L	P433263	
		Carbophenothion	0.59	U	ng/L	P433263	
		Dechlorane 603**	4.8	U	ng/L	P433263	
		Carfentrazone Ethyl	0.18	U	ng/L	P433263	
		Hexabromobenzene**	7.1	U	ng/L	P433263	
		Chlorfenapyr	0.36	U	ng/L	P433263	
		PBB-153**	9.5	U	ng/L	P433263	
		Chlorpyrifos Ethyl	0.36	U	ng/L	P433263	
		Pentabromotoluene**	3.6	U	ng/L	P433263	
		Chlorpyrifos Methyl	0.12	U	ng/L	P433263	
		Tris(2-chloroethyl) phosphate (TCEP)**	83	U	ng/L	P433263	
		Coumaphos	1.2	U	ng/L	P433263	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	18	UQ	ng/L	P433851	
		Cyanazine	5.9	U	ng/L	P433263	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	3.0	U	ng/L	P433263	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427713	EPA 8270E	Cyprodinil	0.24	U	ng/L	P433263	
		Tetradecachloro-m-terphenyl**	8.9	U	ng/L	P433263	
		Demeton	4.2	U	ng/L	P433263	
		Diazinon	0.15	U	ng/L	P433263	
		Difenoconazole	0.71	U	ng/L	P433263	
		Dimethenamid	0.12	U	ng/L	P433263	
		Dimethomorph	0.36	U	ng/L	P433263	
		Disulfoton	0.71	U	ng/L	P433263	
		Dithiopyr	1.2	U	ng/L	P433263	
		EPTC	0.59	U	ng/L	P433263	
		Ethion	0.36	U	ng/L	P433263	
		Ethoprop	0.15	U	ng/L	P433263	
		Etridiazole	0.12	U	ng/L	P433263	
		Fenamiphos	0.53	U	ng/L	P433263	
		Fenbuconazole	0.59	U	ng/L	P433263	
		Fipronil	0.24	U	ng/L	P433263	MS
		Fipronil Desulfinyl**	0.12	I	ng/L	P433263	
		Fipronil Sulfide	0.12	U	ng/L	P433263	
		Fipronil Sulfone	0.13	I	ng/L	P433263	
		Fluazifop-P-butyl	0.12	U	ng/L	P433263	
		Fludioxonil	0.12	U	ng/L	P433263	
		Flumioxazin	3.6	U	ng/L	P433263	
		Flutolanil	0.12	U	ng/L	P433263	
		Fluxapyroxad	0.30	U	ng/L	P433263	
		Fonofos	0.18	U	ng/L	P433263	
		Hexazinone	0.59	U	ng/L	P433263	
		Imazalil	0.77	U	ng/L	P433263	
		Iprodione	0.59	U	ng/L	P433263	
		Loratadine**	0.36	U	ng/L	P433263	
		Malathion	0.42	U	ng/L	P433263	
		Metalaxyl	0.59	U	ng/L	P433263	
		Metolachlor	3.7	I	ng/L	P433263	
		Metribuzin	0.48	U	ng/L	P433263	
		Mevinphos	1.2	U	ng/L	P433263	
		Molinate	0.30	UJ	ng/L	P433263	LCS
		Myclobutanil	0.42	U	ng/L	P433263	
		Naled	3.0	U	ng/L	P433263	
		Napropamide	0.83	U	ng/L	P433263	
		Norflurazon	1.2	U	ng/L	P433263	
		Oxadiazon	0.42	U	ng/L	P433263	
		Oxyfluorfen	0.24	U	ng/L	P433263	
		Parathion Ethyl	0.18	U	ng/L	P433263	
		Parathion Methyl	0.24	U	ng/L	P433263	MS
		Pendimethalin	0.89	U	ng/L	P433263	
		Phenytoin**	6.3	U	ng/L	P433263	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427713	EPA 8270E	Phorate	0.30	U	ng/L	P433263	
		Prodiamine	0.24	U	ng/L	P433263	
		Prometon	3.6	U	ng/L	P433263	
		Prometryn	0.42	U	ng/L	P433263	
		Pronamide	0.12	U	ng/L	P433263	
		Propanil	0.12	U	ng/L	P433263	
		Propargite	0.95	U	ng/L	P433263	
		Propiconazole	0.71	U	ng/L	P433263	
		Pyraflufen Ethyl	0.36	U	ng/L	P433263	
		Pyridaben	1.7	U	ng/L	P433263	
		Pyriproxyfen	0.30	U	ng/L	P433263	
		Simazine	0.30	U	ng/L	P433263	
		Stirophos	0.48	U	ng/L	P433263	
		Sulfentrazone	1.7	U	ng/L	P433263	
		Tebuconazole	1.7	U	ng/L	P433263	
		Terbufos	0.24	U	ng/L	P433263	
		Terbuthylazine	0.24	U	ng/L	P433263	
		Thiobencarb	0.59	U	ng/L	P433263	
		Triadimefon	0.18	U	ng/L	P433263	

Ref. Method and Comment:
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Sample expired for preparation for tris(1-chloro-2-propyl) phosphate (TCPP) due to need for re-extraction.
EPA 8270E: MS accuracy for atrazine not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: FB **Collection Date/Time: 07/31/2023 12:40**

Field ID: FB_07312023 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427691	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P433286	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P433281	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P433407	
		Sulfate	0.20	U	mg SO4/L	P433410	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P433448	
	SM 2540 C-2015	TDS	15	U	mg/L	P433808	
	SM 2540 D-2015	TSS	2	U	mg/L	P433689	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P433449	
2427692	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P433557	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P433319	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P433385	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P433293	
	SM 5310 B-2011	Organic Carbon	0.50	U	mg C/L	P433426	
2427705	EPA 8321B	2,4-D	0.0020	U	ug/L	P433321	
		Acesulfame K	0.10	U	ug/L	P433285	
		2,4,5-T	0.0040	U	ug/L	P433321	
		AMPA	0.10	U	ug/L	P433285	
		Acetaminophen	0.0080	U	ug/L	P433321	
		Acetamiprid	0.0020	U	ug/L	P433321	
		Endothall	0.25	U	ug/L	P433285	
		Glufosinate	0.10	U	ug/L	P433285	
		Glyphosate	0.10	U	ug/L	P433285	
		Afidopyropen	0.0020	U	ug/L	P433321	
		Sucralose	0.010	U	ug/L	P433285	
		Bentazon	8.0E-04	U	ug/L	P433321	MS
		Benzovindiflupyr	0.0020	U	ug/L	P433321	
		Carbamazepine	8.0E-04	U	ug/L	P433321	
		Clothianidin	0.0020	U	ug/L	P433321	
		Dinotefuran	0.0020	U	ug/L	P433321	
		Diuron	0.0020	U	ug/L	P433321	MS, RPD
		Fenuron	0.032	U	ug/L	P433321	
		Fluridone	8.0E-04	U	ug/L	P433321	
		Imazapyr	0.0040	U	ug/L	P433321	
		Hydrocodone	0.0020	U	ug/L	P433321	
		Ibuprofen	0.080	U	ug/L	P433321	
		Imidacloprid	0.0020	U	ug/L	P433321	
		Linuron	0.0040	U	ug/L	P433321	
		Mandestrobin	0.0020	U	ug/L	P433321	
		MCPP	0.0020	U	ug/L	P433321	
		Naproxen	0.0080	U	ug/L	P433321	
		Primidone	0.0040	U	ug/L	P433321	
		Pyraclostrobin	0.0020	U	ug/L	P433321	
		Silvex	0.0040	U	ug/L	P433321	
		Thiamethoxam	0.0020	U	ug/L	P433321	

Field ID: FB_07312023 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427705	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P433321	
		Triclopyr	0.0040	U	ug/L	P433321	
2427714	EPA 8270E	Aldrin	0.72	UQ	ng/L	P433679	
		Alpha-BHC	0.11	UQ	ng/L	P433679	
		Alpha-Chlordane	0.22	UQ	ng/L	P433679	
		PCB-1016	2.2	U	ng/L	P433350	
		Beta-BHC	0.11	UQ	ng/L	P433679	
		PCB-1221	2.2	U	ng/L	P433350	
		Beta-Cyfluthrin	1.4	UQ	ng/L	P433679	
		PCB-1232	2.2	U	ng/L	P433350	
		Bifenthrin	0.55	UQ	ng/L	P433679	
		PCB-1242	2.2	U	ng/L	P433350	
		PCB-1248	2.2	U	ng/L	P433350	
		Chlorothalonil	4.0	UQ	ng/L	P433679	
		PCB-1254	2.2	U	ng/L	P433350	
		Cis-Nonachlor	0.22	UQ	ng/L	P433679	
		PCB-1260	2.2	U	ng/L	P433350	
		Cypermethrin	1.7	UQ	ng/L	P433679	
		Dacthal	0.17	UQ	ng/L	P433679	
		DDD-p,p'	0.28	UQ	ng/L	P433679	
		DDE-p,p'	0.22	UQ	ng/L	P433679	
		DDT-p,p'	0.89	UQ	ng/L	P433679	
		Delta-BHC	0.44	UQ	ng/L	P433679	
		Deltamethrin	1.4	UQ	ng/L	P433679	
		Dichlobenil	0.28	UQ	ng/L	P433679	
		Dicofol	1.4	UQ	ng/L	P433679	
		Dieldrin	0.44	UQ	ng/L	P433679	
		Endosulfan I	0.44	UQ	ng/L	P433679	
		Endosulfan II	1.0	UQ	ng/L	P433679	
		Endosulfan Sulfate	0.33	UQ	ng/L	P433679	
		Endrin	1.0	UQ	ng/L	P433679	
		Endrin Aldehyde	0.83	UQ	ng/L	P433679	
		Endrin Ketone	0.44	UQ	ng/L	P433679	
		Esfenvalerate	0.83	UQ	ng/L	P433679	
		Ethalfluralin	0.17	UQ	ng/L	P433679	
		Fenpropathrin	0.28	UQ	ng/L	P433679	
		Gamma-BHC	0.14	UQ	ng/L	P433679	
		Gamma-Chlordane	0.22	UQ	ng/L	P433679	
		Heptachlor	0.22	UQ	ng/L	P433679	
		Heptachlor Epoxide	0.28	UQ	ng/L	P433679	
		Hexachlorobenzene**	1.1	UQ	ng/L	P433679	
		Kepone	15	UQJ	ng/L	P433679	CCV
		Lambda-Cyhalothrin	0.83	UQ	ng/L	P433679	
		Methoprene	0.83	UQ	ng/L	P433679	
		Methoxychlor	0.33	UQ	ng/L	P433679	

Field ID: FB_07312023 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2427714	EPA 8270E	MGK-264	0.22	UQ	ng/L	P433679	
		Mirex	0.39	UQ	ng/L	P433679	
		Oxychlordane	0.33	UQ	ng/L	P433679	
		Permethrin	1.8	UQ	ng/L	P433679	
		Phenothrin	1.0	UQ	ng/L	P433679	
		Piperonyl Butoxide	0.17	UQ	ng/L	P433679	
		Prallethrin	2.2	UQ	ng/L	P433679	
		Tau-Fluvalinate	0.28	UQ	ng/L	P433679	
		Tetramethrin	0.83	UQ	ng/L	P433679	
		Trans-Nonachlor	0.22	UQ	ng/L	P433679	
		Triclosan Methyl	0.17	UQ	ng/L	P433679	
		Trifluralin	0.22	UQ	ng/L	P433679	
	EPA 8276	Chlordane	2.2	U	ng/L	P433350	
		Toxaphene	16	U	ng/L	P433350	
2427715	EPA 8270E	Oxybenzone**	27	I	ng/L	P433263	
		Octinoxate**	160	U	ng/L	P433263	
		Avobenzone**	110	U	ng/L	P433263	
		PBDE-47**	4.3	U	ng/L	P433263	
		PBDE-99**	5.3	U	ng/L	P433263	
		Tri-o-cresyl Phosphate**	6.4	U	ng/L	P433263	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	13	U	ng/L	P433263	
		Dechlorane Plus**	32	U	ng/L	P433263	
		Dechlorane 602**	5.3	U	ng/L	P433263	
		Dechlorane 603**	4.3	U	ng/L	P433263	
		Hexabromobenzene**	6.4	U	ng/L	P433263	
		PBB-153**	8.5	U	ng/L	P433263	
		Pentabromotoluene**	3.2	U	ng/L	P433263	
		Tris(2-chloroethyl) phosphate (TCEP)**	74	U	ng/L	P433263	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	33	I	ng/L	P433263	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	15		ng/L	P433263	
		Tetradecachloro-m-terphenyl**	8.0	U	ng/L	P433263	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.
EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.
EPA 8270E: Sample expired for preparation due to need for re-extraction. Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Results confirmed by re-extraction.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P433286

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P433281

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433407

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433410

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433557

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433319

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433385

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433293

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

Reference Method: EPA 8270E
Batch ID: P433263

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433263

Component	Result	Code	Units
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433263

Component	Result	Code	Units
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433263

Component	Result	Code	Units
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytoin	5.3	U	ng/L
Phenytoin	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433263

Component	Result	Code	Units
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L

Reference Method: EPA 8270E
Batch ID: P433350

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433350

Component	Result	Code	Units
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'	0.80	U	ng/L
DDT-p,p'	0.80	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	0.90	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfluralin	0.15	U	ng/L
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433350

Component	Result	Code	Units
Kepone	14	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
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 8270E
Batch ID: P433679

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433679

Component	Result	Code	Units
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'	0.80	U	ng/L
DDT-p,p'	0.80	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	0.90	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfluralin	0.15	U	ng/L
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P433679

Component	Result	Code	Units
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	14	U	ng/L
Kepone	14	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
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8270E
Batch ID: P433851

Component	Result	Code	Units
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8276
Batch ID: P433350

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: P433156

Component	Result	Code	Units
3-Hydroxycarbofuran	0.0020	U	ug/L
Aldicarb	0.020	U	ug/L
Aldicarb Sulfone	0.0020	U	ug/L
Aldicarb Sulfoxide	0.0020	U	ug/L
Carbaryl	0.0020	U	ug/L
Carbofuran	0.0020	U	ug/L
Methiocarb	0.0020	U	ug/L
Methomyl	0.0020	U	ug/L
Oxamyl	0.0020	U	ug/L
Propoxur	0.0020	U	ug/L

Reference Method: EPA 8321B
Batch ID: P433285

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: P433321

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P433321

Component	Result	Code	Units
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: SM 2320 B-2011
Batch ID: P433448

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

Reference Method: SM 2540 C-2015
Batch ID: P433808

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P433689

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P433449

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P433426

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: P433286

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	95.9		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P433281

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433407

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433410

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433557

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433319

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	94.8		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433385

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433293

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	108		P	90 - 110

Reference Method: EPA 8270E
Batch ID: P433263

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	106		P	42 - 162
Acetochlor	88.1		P	69 - 123
Alachlor	92.0		P	65 - 118
Ametryn	104		P	58 - 141

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P433263

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Atrazine	88.8		P	73 - 118
Atrazine Desethyl	84.6		P	32 - 125
Avobenzone	124		P	40 - 203
Azinphos Methyl	122		P	36 - 197
Azoxystrobin	90.8		P	58 - 226
Bromacil	98.7		P	48 - 120
Butylate	32.0		P	27 - 85.0
Caffeine	82.4		P	40 - 137
Carbophenothion	101		P	54 - 132
Carfentrazone Ethyl	113		P	60 - 142
Chlorfenapyr	92.8		P	53 - 117
Chlorpyrifos Ethyl	84.7		P	59 - 116
Chlorpyrifos Methyl	91.9		P	66 - 119
Coumaphos	167		P	11 - 234
Cyanazine	111		P	61 - 248
Cyprodinil	82.9		P	50 - 147
Dechlorane 602	107		P	50 - 150
Dechlorane 603	122		P	50 - 150
Dechlorane Plus	113		P	47 - 182
Demeton	58.1		P	30 - 138
Diazinon	93.8		P	67 - 126
Difenoconazole	159		P	38 - 205
Dimethenamid	83.4		P	57 - 111
Dimethomorph	81.8		P	16 - 212
Disulfoton	92.7		P	46 - 126
Dithiopyr	94.4		P	62 - 115
EPTC	30.3		P	28 - 80.0
Ethion	93.8		P	24 - 122
Ethoprop	79.6		P	62 - 113
Etridiazole	33.5		P	28 - 92.0
Fenamiphos	97.6		P	57 - 128
Fenbuconazole	101		P	52 - 155
Fipronil	81.5		P	63 - 130
Fipronil Desulfinyl	91.2		P	61 - 130
Fipronil Sulfide	84.5		P	56 - 117
Fipronil Sulfone	98.9		P	52 - 118
Fluazifop-P-butyl	105		P	61 - 128
Fludioxonil	78.5		P	59 - 129
Flumioxazin	179		P	30 - 250
Flutolanil	81.0		P	53 - 127
Fluxapyroxad	100		P	42 - 132
Fonofos	76.2		P	61 - 110
Hexabromobenzene	107		P	50 - 150
Hexazinone	96.7		P	46 - 139
Imazalil	108		P	40 - 139
Iprodione	97.8		P	40 - 146
Loratadine	65.5		P	10 - 224
Malathion	127		P	61 - 135
Metalaxyl	87.2		P	58 - 121
Metolachlor	105		P	64 - 118
Metribuzin	94.7		P	45 - 245
Mevinphos	67.9		P	49 - 118

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P433263

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Molinate	32.8		F	42 - 92.0
Myclobutanil	90.5		P	55 - 127
Naled	56.6		P	10 - 114
Napropamide	84.9		P	39 - 121
Norflurazon	95.4		P	55 - 129
Octinoxate	122		P	26 - 166
Oxadiazon	84.4		P	54 - 115
Oxybenzone	105		P	49 - 135
Oxyfluorfen	103		P	64 - 139
Parathion Ethyl	86.9		P	70 - 111
Parathion Methyl	87.5		P	76 - 136
PBB-153	119		P	50 - 150
PBDE-47	111		P	41 - 148
PBDE-99	111		P	38 - 147
Pendimethalin	89.5		P	52 - 118
Pentabromotoluene	97.0		P	50 - 150
Phenytoin	141		P	10 - 162
Phorate	81.2		P	40 - 122
Prodiamine	42.8		P	26 - 141
Prometon	82.8		P	54 - 122
Prometryn	90.4		P	61 - 128
Pronamide	108		P	72 - 121
Propanil	118		P	45 - 144
Propargite	121		P	10 - 199
Propiconazole	95.4		P	56 - 127
Pyraflufen Ethyl	101		P	56 - 140
Pyridaben	143		P	26 - 211
Pyriproxyfen	106		P	33 - 194
Simazine	91.1		P	67 - 121
Stirophos	73.6		P	20 - 142
Sulfentrazone	90.0		P	21 - 144
Tebuconazole	97.5		P	10 - 122
Terbufos	87.0		P	60 - 129
Terbuthylazine	80.7		P	69 - 113
Tetradecachloro-m-terphenyl	88.1		P	70 - 200
Thiobencarb	96.3		P	51 - 120
Tri-o-cresyl Phosphate	117		P	49 - 150
Triadimefon	89.9		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	114		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	107		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	113		P	70 - 180

Reference Method: EPA 8270E
Batch ID: P433350

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	52.6		P	30 - 96.0
Alpha-BHC	88.8		P	70 - 109
Alpha-Chlordane	63.8		P	45 - 107
Beta-BHC	78.1		P	64 - 138
Beta-Cyfluthrin	42.6		P	17 - 141
Bifenthrin	29.6		P	10 - 113

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P433350

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorothalonil	79.7		P	26 - 180
Cis-Nonachlor	56.1		P	37 - 102
Cypermethrin	47.9		P	20 - 133
Dacthal	75.9		P	69 - 114
DDD-p,p'	62.0		P	42 - 105
DDE-p,p'	61.8		P	42 - 106
DDT-p,p'	57.9		P	42 - 107
Delta-BHC	90.0		P	67 - 144
Deltamethrin	69.3		P	15 - 149
Dichlobenil	84.3		P	46 - 117
Dicofol	61.8		P	34 - 114
Dieldrin	74.0		P	50 - 108
Endosulfan I	77.2		P	55 - 104
Endosulfan II	63.0		P	51 - 111
Endosulfan Sulfate	65.9		P	56 - 121
Endrin	75.1		P	10 - 106
Endrin Aldehyde	77.8		P	34 - 114
Endrin Ketone	77.5		P	63 - 177
Esfenvalerate	44.0		P	29 - 143
Ethalfluralin	64.8		P	46 - 96.0
Fenpropathrin	53.5		P	28 - 115
Gamma-BHC	72.8		P	65 - 121
Gamma-Chlordane	49.7		P	39 - 103
Heptachlor	60.5		P	39 - 94.0
Heptachlor Epoxide	74.0		P	54 - 104
Hexachlorobenzene	54.8		P	36 - 100
Kepone	49.8		P	10 - 225
Lambda-Cyhalothrin	35.0		P	10 - 135
Methoprene	27.9		P	10 - 109
Methoxychlor	68.5		P	52 - 112
MGK-264	62.9		P	44 - 117
Mirex	45.0		P	20 - 90.0
Oxychlordane	61.9		P	44 - 102
PCB-1016	74.1		P	45 - 107
PCB-1260	71.9		P	40 - 118
Permethrin	43.1		P	18 - 135
Phenothrin	33.2		P	10 - 102
Piperonyl Butoxide	84.0		P	28 - 156
Prallethrin	51.2		P	28 - 113
Tau-Fluvalinate	38.0		P	10 - 123
Tetramethrin	69.0		P	18 - 158
Trans-Nonachlor	48.4		P	39 - 104
Triclosan Methyl	73.7		P	54 - 108
Trifluralin	62.4		P	46 - 97.0

Reference Method: EPA 8270E
Batch ID: P433679

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	65.6		P	30 - 96.0
Alpha-BHC	102		P	70 - 109
Alpha-Chlordane	63.8		P	45 - 107

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P433679

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Beta-BHC	83.8		P	64 - 138
Beta-Cyfluthrin	95.7		P	17 - 141
Bifenthrin	68.7		P	10 - 113
Chlorothalonil	61.4		P	26 - 180
Cis-Nonachlor	57.7		P	37 - 102
Cypermethrin	111		P	20 - 133
Dacthal	87.7		P	69 - 114
DDD-p,p'	64.2		P	42 - 105
DDE-p,p'	68.6		P	42 - 106
DDT-p,p'	61.9		P	42 - 107
Delta-BHC	85.6		P	67 - 144
Deltamethrin	106		P	15 - 149
Dichlobenil	60.7		P	46 - 117
Dicofol	68.6		P	34 - 114
Dieldrin	65.4		P	50 - 108
Endosulfan I	76.8		P	55 - 104
Endosulfan II	69.4		P	51 - 111
Endosulfan Sulfate	70.2		P	56 - 121
Endrin	71.8		P	10 - 106
Endrin Aldehyde	62.0		P	34 - 114
Endrin Ketone	85.0		P	63 - 177
Esfenvalerate	107		P	29 - 143
Ethalfluralin	88.4		P	46 - 96.0
Fenpropathrin	75.8		P	28 - 115
Gamma-BHC	73.3		P	65 - 121
Gamma-Chlordane	71.1		P	39 - 103
Heptachlor	61.8		P	39 - 94.0
Heptachlor Epoxide	79.4		P	54 - 104
Hexachlorobenzene	55.1		P	36 - 100
Kepone	81.6		P	10 - 225
Lambda-Cyhalothrin	82.1		P	10 - 135
Methoprene	75.9		P	10 - 109
Methoxychlor	111		P	52 - 112
MGK-264	76.6		P	44 - 117
Mirex	67.0		P	20 - 90.0
Oxychlordane	82.9		P	44 - 102
Permethrin	83.4		P	18 - 135
Phenothrin	73.7		P	10 - 102
Piperonyl Butoxide	149		P	28 - 156
Prallethrin	80.8		P	28 - 113
Tau-Fluvalinate	111		P	10 - 123
Tetramethrin	106		P	18 - 158
Trans-Nonachlor	89.9		P	39 - 104
Triclosan Methyl	98.1		P	54 - 108
Trifluralin	86.5		P	46 - 97.0

Reference Method: EPA 8270E
Batch ID: P433851

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Tris(1-chloro-2-propyl) phosphate (TCPP)	123		P	50 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8276
Batch ID: P433350

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	69.8		P	52 - 117
Toxaphene	77.9		P	44 - 125

Reference Method: EPA 8321B
Batch ID: P433156

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	76.4		P	40 - 150
Aldicarb	59.9		P	30 - 150
Aldicarb Sulfone	78.7		P	40 - 150
Aldicarb Sulfoxide	75.1		P	40 - 150
Carbaryl	62.3		P	40 - 150
Carbofuran	61.7		P	40 - 150
Methiocarb	54.8		P	40 - 150
Methomyl	77.0		P	40 - 150
Oxamyl	81.4		P	40 - 150
Propoxur	60.3		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P433285

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	99.3		P	40 - 150
AMPA	127		P	40 - 150
Endothall	103		P	40 - 150
Glufosinate	99.2		P	40 - 150
Glyphosate	106		P	40 - 150
Sucralose	100		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P433321

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	83.3		P	40 - 150
2,4,5-T	80.8		P	40 - 150
Acetaminophen	87.3		P	30 - 150
Acetamiprid	93.4		P	40 - 150
Afidopyropen	78.9		P	30 - 150
Bentazon	137		P	30 - 150
Benzovindiflupyr	88.3		P	40 - 150
Carbamazepine	66.2		P	40 - 150
Clothianidin	95.4		P	40 - 150
Dinotefuran	114		P	40 - 150
Diuron	63.2		P	40 - 150
Fenuron	94.7		P	40 - 150
Fluridone	102		P	40 - 150
Hydrocodone	97.6		P	40 - 150
Ibuprofen	72.2		P	40 - 150
Imazapyr	77.6		P	40 - 150
Imidacloprid	86.8		P	40 - 150
Linuron	73.7		P	40 - 150
Mandestrobin	95.5		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P433321

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
MCPP	90.8		P	40 - 150
Naproxen	76.1		P	40 - 150
Primidone	79.2		P	40 - 150
Pyraclostrobin	71.5		P	40 - 150
Silvex	89.4		P	40 - 150
Thiamethoxam	99.0		P	40 - 150
Tolfenpyrad	44.3		P	30 - 150
Triclopyr	82.4		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P433448

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	95.8		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P433808

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	96.8		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P433689

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	89.7		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P433449

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P433426

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.4		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433407

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427501	Chloride	102		P	90 - 110
2427752	Chloride	102		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433410

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427501	Sulfate	102		P	90 - 110
2427752	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433557

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427708	Ammonia-N	96.8	96.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433385

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427674	NO2NO3-N	103	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433293

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427567	Total-P	108	107	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P433263

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427270	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	89.4	107	P/P	26 - 165
2427270	Acetochlor	77.4	73.5	P/P	67 - 124
2427270	Alachlor	70.7	72.1	P/P	60 - 120
2427270	Ametryn	105	104	P/P	54 - 216
2427270	Atrazine Desethyl	66.2	63.9	P/P	15 - 122
2427270	Avobenzone	109	131	P/P	37 - 178
2427270	Azinphos Methyl	113	117	P/P	40 - 292
2427270	Azoxystrobin	108	103	P/P	35 - 220
2427270	Bromacil	88.3	95.5	P/P	45 - 127
2427270	Butylate	46.2	50.1	P/P	20 - 83.0
2427270	Caffeine	65.4	64.1	P/P	10 - 194
2427270	Carbophenothion	83.0	90.1	P/P	57 - 127
2427270	Carfentrazone Ethyl	92.0	93.7	P/P	51 - 141
2427270	Chlorfenapyr	77.9	75.1	P/P	46 - 111
2427270	Chlorpyrifos Ethyl	85.1	79.4	P/P	52 - 120
2427270	Chlorpyrifos Methyl	75.9	80.4	P/P	63 - 119
2427270	Coumaphos	137	147	P/P	10 - 228
2427270	Cyanazine	101	108	P/P	59 - 241
2427270	Cyprodinil	52.2	61.8	P/P	47 - 146
2427270	Dechlorane 602	66.0	73.3	P/P	50 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P433263

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427270	Dechlorane 603	94.8	110	P/P	50 - 150
2427270	Dechlorane Plus	77.2	86.6	P/P	50 - 150
2427270	Demeton	70.5	74.9	P/P	40 - 136
2427270	Diazinon	85.9	96.5	P/P	69 - 132
2427270	Difenoconazole	143	139	P/P	57 - 258
2427270	Dimethenamid	69.7	62.6	P/P	54 - 110
2427270	Dimethomorph	151	136	P/P	28 - 210
2427270	Disulfoton	86.3	94.9	P/P	43 - 133
2427270	Dithiopyr	76.6	75.7	P/P	39 - 116
2427270	EPTC	41.5	46.1	P/P	20 - 78.0
2427270	Ethion	48.5	50.7	P/P	17 - 119
2427270	Ethoprop	82.2	87.9	P/P	66 - 120
2427270	Etridiazole	47.5	47.9	P/P	28 - 96.0
2427270	Fenamiphos	60.3	62.2	P/P	41 - 126
2427270	Fenbuconazole	87.5	81.7	P/P	42 - 169
2427270	Fipronil	60.1	63.7	F/P	61 - 132
2427270	Fipronil Desulfinyl	62.5	66.7	P/P	56 - 132
2427270	Fipronil Sulfide	50.8	59.6	P/P	48 - 119
2427270	Fipronil Sulfone	51.7	57.1	P/P	42 - 131
2427270	Fluazifop-P-butyl	81.6	84.3	P/P	53 - 131
2427270	Fludioxonil	65.2	61.9	P/P	56 - 127
2427270	Flumioxazin	188	181	P/P	19 - 300
2427270	Flutolanil	55.1	56.1	P/P	41 - 127
2427270	Fluxapyroxad	68.0	69.5	P/P	42 - 172
2427270	Fonofos	79.3	79.4	P/P	59 - 113
2427270	Hexabromobenzene	108	125	P/P	50 - 150
2427270	Hexazinone	79.8	80.7	P/P	66 - 122
2427270	Imazalil	80.5	71.9	P/P	21 - 283
2427270	Iprodione	73.6	77.8	P/P	43 - 150
2427270	Loratadine	107	110	P/P	23 - 201
2427270	Malathion	116	123	P/P	58 - 136
2427270	Metalaxyl	71.4	78.4	P/P	55 - 120
2427270	Metolachlor	91.2	98.0	P/P	57 - 121
2427270	Metribuzin	87.8	90.2	P/P	58 - 294
2427270	Mevinphos	86.6	91.7	P/P	50 - 126
2427270	Molinate	47.4	50.0	P/P	42 - 93.0
2427270	Myclobutanil	76.6	76.1	P/P	55 - 125
2427270	Naled	59.5	69.4	P/P	18 - 200
2427270	Napropamide	69.5	69.6	P/P	39 - 110
2427270	Norflurazon	76.8	81.2	P/P	48 - 128
2427270	Octinoxate	129	141	P/P	21 - 159
2427270	Oxadiazon	71.9	76.1	P/P	43 - 112
2427270	Oxybenzone	111	124	P/P	41 - 142
2427270	Oxyfluorfen	88.2	89.8	P/P	64 - 153
2427270	Parathion Ethyl	80.7	87.1	P/P	69 - 114
2427270	Parathion Methyl	78.6	78.3	F/F	79 - 139
2427270	PBB-153	105	125	P/P	50 - 150
2427270	PBDE-47	93.0	107	P/P	27 - 144
2427270	PBDE-99	83.6	97.5	P/P	18 - 150
2427270	Pendimethalin	68.8	83.7	P/P	50 - 139
2427270	Pentabromotoluene	98.2	108	P/P	50 - 150
2427270	Phenytoin	131	142	P/P	10 - 146

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P433263

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427270	Phorate	94.4	99.6	P/P	54 - 161
2427270	Prodiamine	35.2	32.8	P/P	30 - 161
2427270	Prometon	103	114	P/P	45 - 134
2427270	Prometryn	72.7	72.0	P/P	45 - 137
2427270	Pronamide	99.8	95.7	P/P	65 - 133
2427270	Propanil	108	103	P/P	49 - 142
2427270	Propargite	57.0	62.4	P/P	10 - 203
2427270	Propiconazole	67.2	82.8	P/P	38 - 146
2427270	Pyraflufen Ethyl	76.6	95.6	P/P	34 - 153
2427270	Pyridaben	55.7	70.3	P/P	12 - 192
2427270	Pyriproxyfen	69.7	79.0	P/P	33 - 180
2427270	Simazine	92.0	88.7	P/P	51 - 157
2427270	Stirophos	26.9	31.3	P/P	10 - 128
2427270	Sulfentrazone	70.0	76.3	P/P	53 - 186
2427270	Tebuconazole	48.1	55.4	P/P	10 - 133
2427270	Terbufos	95.8	97.5	P/P	65 - 139
2427270	Terbuthylazine	74.0	76.2	P/P	66 - 117
2427270	Tetradecachloro-m-terphenyl	85.4	87.6	P/P	70 - 200
2427270	Thiobencarb	77.3	76.7	P/P	51 - 119
2427270	Tri-o-cresyl Phosphate	106	122	P/P	31 - 144
2427270	Triadimefon	73.0	70.5	P/P	48 - 119
2427270	Tris(1-chloro-2-propyl) phosphate (TCPP)	114	122	P/P	50 - 150
2427270	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	103	112	P/P	50 - 150
2427270	Tris(2-chloroethyl) phosphate (TCEP)	121	125	P/P	70 - 180

Reference Method: EPA 8270E
Batch ID: P433350

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427736	Aldrin	58.6	56.6	P/P	24 - 81.0
2427736	Alpha-BHC	91.5	92.6	P/P	65 - 110
2427736	Alpha-Chlordane	66.2	69.2	P/P	43 - 119
2427736	Beta-BHC	87.4	98.2	P/P	54 - 165
2427736	Beta-Cyfluthrin	116	125	P/P	27 - 165
2427736	Bifenthrin	85.3	87.9	P/P	17 - 117
2427736	Chlorothalonil	84.6	102	P/P	10 - 255
2427736	Cis-Nonachlor	64.8	69.4	P/P	34 - 98.0
2427736	Cypermethrin	111	108	P/P	25 - 143
2427736	Dacthal	80.7	86.9	P/P	55 - 139
2427736	DDD-p,p'	72.8	77.6	P/P	30 - 109
2427736	DDE-p,p'	69.5	69.2	P/P	35 - 106
2427736	DDT-p,p'	70.9	68.9	P/P	41 - 101
2427736	Delta-BHC	99.3	100	P/P	58 - 165
2427736	Deltamethrin	165	179	P/P	10 - 194
2427736	Dichlobenil	59.2	62.6	P/P	22 - 114
2427736	Dicofol	80.0	87.6	P/P	17 - 133
2427736	Dieldrin	71.2	75.2	P/P	45 - 129
2427736	Endosulfan I	75.9	81.4	P/P	49 - 104
2427736	Endosulfan II	73.0	74.7	P/P	37 - 117
2427736	Endosulfan Sulfate	59.7	65.2	P/P	38 - 128
2427736	Endrin	75.6	75.6	P/P	35 - 116
2427736	Endrin Aldehyde	56.1	56.4	P/P	19 - 108

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P433350

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427736	Endrin Ketone	80.7	86.8	P/P	44 - 134
2427736	Esfenvalerate	125	135	P/P	27 - 176
2427736	Ethalfluralin	76.4	76.2	P/P	49 - 100
2427736	Fenpropathrin	86.1	99.5	P/P	34 - 117
2427736	Gamma-BHC	81.2	85.4	P/P	59 - 129
2427736	Gamma-Chlordane	64.7	70.1	P/P	33 - 107
2427736	Heptachlor	71.6	71.6	P/P	37 - 94.0
2427736	Heptachlor Epoxide	77.9	78.6	P/P	38 - 118
2427736	Hexachlorobenzene	59.3	59.7	P/P	35 - 97.0
2427736	Kepone	62.4	57.0	P/P	10 - 221
2427736	Lambda-Cyhalothrin	95.3	104	P/P	23 - 190
2427736	Methoprene	70.4	75.2	P/P	21 - 109
2427736	Methoxychlor	85.2	90.1	P/P	46 - 118
2427736	MGK-264	79.0	89.6	P/P	39 - 122
2427736	Mirex	69.0	66.4	P/P	25 - 90.0
2427736	Oxychlordane	61.8	78.0	P/P	42 - 100
2427736	Permethrin	108	114	P/P	33 - 181
2427736	Phenothrin	88.3	103	P/P	12 - 125
2427736	Piperonyl Butoxide	154	218	P/F	10 - 178
2427736	Prallethrin	105	102	P/P	24 - 122
2427736	Tau-Fluvalinate	130	140	P/P	13 - 151
2427736	Tetramethrin	115	116	P/P	16 - 172
2427736	Trans-Nonachlor	61.8	66.4	P/P	39 - 100
2427736	Triclosan Methyl	71.3	73.6	P/P	43 - 110
2427736	Trifluralin	69.2	70.1	P/P	45 - 94.0
2427815	PCB-1016	82.1	76.4	P/P	45 - 107
2427815	PCB-1260	74.5	72.3	P/P	40 - 112

Reference Method: EPA 8270E
Batch ID: P433679

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2429555	Aldrin	32.3	37.6	P/P	24 - 81.0
2429555	Alpha-BHC	81.1	89.6	P/P	65 - 110
2429555	Alpha-Chlordane	45.1	44.7	P/P	43 - 119
2429555	Beta-BHC	78.2	85.6	P/P	54 - 165
2429555	Beta-Cyfluthrin	60.9	61.7	P/P	27 - 165
2429555	Bifenthrin	49.0	50.4	P/P	17 - 117
2429555	Chlorothalonil	72.1	83.2	P/P	10 - 255
2429555	Cis-Nonachlor	41.5	41.6	P/P	34 - 98.0
2429555	Cypermethrin	72.9	72.9	P/P	25 - 143
2429555	Dacthal	61.9	71.2	P/P	55 - 139
2429555	DDD-p,p'	51.3	50.0	P/P	30 - 109
2429555	DDE-p,p'	51.2	53.5	P/P	35 - 106
2429555	DDT-p,p'	44.9	45.3	P/P	41 - 101
2429555	Delta-BHC	91.5	99.5	P/P	58 - 165
2429555	Deltamethrin	77.8	69.3	P/P	10 - 194
2429555	Dichlobenil	49.9	54.0	P/P	22 - 114
2429555	Dicofol	45.4	44.9	P/P	17 - 133
2429555	Dieldrin	45.3	49.2	P/P	45 - 129
2429555	Endosulfan I	52.7	52.3	P/P	49 - 104
2429555	Endosulfan II	59.5	61.0	P/P	37 - 117

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P433679

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2429555	Endosulfan Sulfate	54.6	52.4	P/P	38 - 128
2429555	Endrin	49.5	53.2	P/P	35 - 116
2429555	Endrin Aldehyde	58.3	44.1	P/P	19 - 108
2429555	Endrin Ketone	85.3	73.9	P/P	44 - 134
2429555	Esfenvalerate	73.5	85.9	P/P	27 - 176
2429555	Ethalfluralin	54.7	59.6	P/P	49 - 100
2429555	Fenpropathrin	45.7	48.0	P/P	34 - 117
2429555	Gamma-BHC	70.1	79.0	P/P	59 - 129
2429555	Gamma-Chlordane	46.6	48.0	P/P	33 - 107
2429555	Heptachlor	38.4	41.9	P/P	37 - 94.0
2429555	Heptachlor Epoxide	52.5	53.4	P/P	38 - 118
2429555	Hexachlorobenzene	37.7	40.7	P/P	35 - 97.0
2429555	Kepone	68.4	66.6	P/P	10 - 221
2429555	Lambda-Cyhalothrin	56.2	62.3	P/P	23 - 190
2429555	Methoprene	50.2	51.2	P/P	21 - 109
2429555	Methoxychlor	77.2	69.8	P/P	46 - 118
2429555	MGK-264	71.3	68.8	P/P	39 - 122
2429555	Mirex	41.8	44.6	P/P	25 - 90.0
2429555	Oxychlordane	51.4	52.3	P/P	42 - 100
2429555	Permethrin	60.6	84.9	P/P	33 - 181
2429555	Phenothrin	55.1	58.4	P/P	12 - 125
2429555	Piperonyl Butoxide	147	141	P/P	10 - 178
2429555	Prallethrin	58.7	69.9	P/P	24 - 122
2429555	Tau-Fluvalinate	73.7	97.8	P/P	13 - 151
2429555	Tetramethrin	80.1	97.7	P/P	16 - 172
2429555	Trans-Nonachlor	53.8	57.4	P/P	39 - 100
2429555	Triclosan Methyl	61.7	55.4	P/P	43 - 110
2429555	Trifluralin	48.1	48.6	P/P	45 - 94.0

Reference Method: EPA 8270E
Batch ID: P433851

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2431068	Tris(1-chloro-2-propyl) phosphate (TCPP)	89.5	89.2	P/P	50 - 150

Reference Method: EPA 8276
Batch ID: P433350

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427815	Chlordane	65.7	61.8	P/P	43 - 123
2427815	Toxaphene	66.4	64.9	P/P	27 - 156

Reference Method: EPA 8321B
Batch ID: P433156

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426847	3-Hydroxycarbofuran	57.5	54.1	P/P	40 - 150
2426847	Aldicarb	39.1	41.4	P/P	30 - 150
2426847	Aldicarb Sulfone	59.8	63.5	P/P	40 - 150
2426847	Aldicarb Sulfoxide	27.1	25.1	F/F	40 - 150
2426847	Carbaryl	41.8	38.3	P/F	40 - 150
2426847	Carbofuran	35.9	39.7	F/F	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P433156

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426847	Methiocarb	32.8	32.7	F/F	40 - 150
2426847	Methomyl	60.3	51.3	P/P	40 - 150
2426847	Oxamyl	63.3	57.5	P/P	40 - 150
2426847	Propoxur	34.3	36.6	F/F	40 - 150

Reference Method: EPA 8321B
Batch ID: P433285

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427498	Acesulfame K	115	117	P/P	40 - 150
2427498	AMPA	88.0	89.1	P/P	40 - 150
2427498	Endothall	112	111	P/P	40 - 150
2427498	Glufosinate	79.2	80.9	P/P	40 - 150
2427498	Glyphosate	81.4	96.2	P/P	40 - 150
2427498	Sucralose	97.1	105	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P433321

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427704	2,4-D	88.2	95.9	P/P	40 - 150
2427704	2,4,5-T	90.9	102	P/P	40 - 150
2427704	Acetaminophen	104	98.3	P/P	30 - 150
2427704	Acetamiprid	71.7	70.5	P/P	40 - 150
2427704	Afidopyropen	75.4	75.7	P/P	30 - 150
2427704	Bentazon	159	153	F/F	30 - 150
2427704	Benzovindiflupyr	77.9	77.7	P/P	40 - 150
2427704	Carbamazepine	56.9	54.2	P/P	40 - 150
2427704	Clothianidin	115	102	P/P	40 - 150
2427704	Dinotefuran	104	86.7	P/P	40 - 150
2427704	Diuron	26.8	47.0	F/P	40 - 150
2427704	Fenuron	75.5	70.4	P/P	40 - 150
2427704	Fluridone	91.6	86.4	P/P	40 - 150
2427704	Hydrocodone	77.7	74.9	P/P	40 - 150
2427704	Ibuprofen	76.1	77.3	P/P	40 - 150
2427704	Imazapyr	83.6	85.1	P/P	40 - 150
2427704	Imidacloprid	124	120	P/P	40 - 150
2427704	Linuron	55.4	58.9	P/P	40 - 150
2427704	Mandestrobin	85.1	86.8	P/P	40 - 150
2427704	MCPP	97.6	103	P/P	40 - 150
2427704	Naproxen	62.7	70.6	P/P	40 - 150
2427704	Primidone	88.6	87.4	P/P	40 - 150
2427704	Pyraclostrobin	75.0	78.3	P/P	40 - 150
2427704	Silvex	108	101	P/P	40 - 150
2427704	Thiamethoxam	104	96.6	P/P	40 - 150
2427704	Tolfenpyrad	51.0	54.3	P/P	30 - 150
2427704	Triclopyr	91.4	94.2	P/P	40 - 150

Reference Method: SM 5310 B-2011
Batch ID: P433426

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P433426

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427727	Organic Carbon	96.5	97.3	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P433286

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427707	Color (true)	1.07	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P433281

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427726	Turbidity	3.24	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433407

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427501	Chloride	0.0568	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433410

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427501	Sulfate	0.0167	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433557

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427708	Ammonia-N	0.579	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433319

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427675	Kjeldahl Nitrogen	14.2	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433385

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427674	NO2NO3-N	0.428	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433293

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427567	Total-P	0.567	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P433263

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427270	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	17.9	Spike	P	0 - 37
2427270	Acetochlor	5.09	Spike	P	0 - 28
2427270	Alachlor	1.87	Spike	P	0 - 30
2427270	Ametryn	0.882	Spike	P	0 - 32
2427270	Atrazine	1.74	Spike	P	0 - 41
2427270	Atrazine Desethyl	2.49	Spike	P	0 - 36
2427270	Avobenzone	18.4	Spike	P	0 - 36
2427270	Azinphos Methyl	3.37	Spike	P	0 - 75
2427270	Azoxystrobin	4.80	Spike	P	0 - 39
2427270	Bromacil	7.81	Spike	P	0 - 33
2427270	Butylate	8.06	Spike	P	0 - 44
2427270	Caffeine	0.581	Spike	P	0 - 74
2427270	Carbophenothion	8.22	Spike	P	0 - 25
2427270	Carfentrazone Ethyl	1.77	Spike	P	0 - 27
2427270	Chlorfenapyr	3.60	Spike	P	0 - 24
2427270	Chlorpyrifos Ethyl	6.96	Spike	P	0 - 26
2427270	Chlorpyrifos Methyl	5.78	Spike	P	0 - 26
2427270	Coumaphos	7.04	Spike	P	0 - 28
2427270	Cyanazine	6.21	Spike	P	0 - 48
2427270	Cyprodinil	16.9	Spike	P	0 - 29
2427270	Dechlorane 602	10.4	Spike	P	0 - 30
2427270	Dechlorane 603	15.1	Spike	P	0 - 30
2427270	Dechlorane Plus	11.5	Spike	P	0 - 30
2427270	Demeton	5.98	Spike	P	0 - 33
2427270	Diazinon	11.6	Spike	P	0 - 29
2427270	Difenoconazole	2.45	Spike	P	0 - 34
2427270	Dimethenamid	10.7	Spike	P	0 - 39
2427270	Dimethomorph	10.3	Spike	P	0 - 51
2427270	Disulfoton	9.43	Spike	P	0 - 30
2427270	Dithiopyr	1.21	Spike	P	0 - 26
2427270	EPTC	10.4	Spike	P	0 - 43
2427270	Ethion	4.39	Spike	P	0 - 79
2427270	Ethoprop	6.74	Spike	P	0 - 29
2427270	Etridiazole	0.688	Spike	P	0 - 33
2427270	Fenamiphos	3.12	Spike	P	0 - 40
2427270	Fenbuconazole	6.78	Spike	P	0 - 74
2427270	Fipronil	5.14	Spike	P	0 - 29
2427270	Fipronil Desulfinyl	4.24	Spike	P	0 - 32
2427270	Fipronil Sulfide	11.9	Spike	P	0 - 30
2427270	Fipronil Sulfone	5.29	Spike	P	0 - 33
2427270	Fluazifop-P-butyl	3.21	Spike	P	0 - 38
2427270	Fludioxonil	5.18	Spike	P	0 - 29
2427270	Flumioxazin	3.80	Spike	P	0 - 51
2427270	Flutolanil	1.74	Spike	P	0 - 25
2427270	Fluxapyroxad	2.17	Spike	P	0 - 45
2427270	Fonofos	0.132	Spike	P	0 - 27
2427270	Hexabromobenzene	14.9	Spike	P	0 - 30
2427270	Hexazinone	1.12	Spike	P	0 - 30
2427270	Imazalil	11.2	Spike	P	0 - 100
2427270	Iprodione	5.50	Spike	P	0 - 33
2427270	Loratadine	2.46	Spike	P	0 - 56

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P433263

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427270	Malathion	5.64	Spike	P	0 - 37
2427270	Metalaxyl	9.31	Spike	P	0 - 40
2427270	Metolachlor	7.18	Spike	P	0 - 29
2427270	Metribuzin	2.60	Spike	P	0 - 45
2427270	Mevinphos	5.71	Spike	P	0 - 29
2427270	Molinate	5.31	Spike	P	0 - 33
2427270	Myclobutanil	0.609	Spike	P	0 - 26
2427270	Naled	15.4	Spike	P	0 - 37
2427270	Napropamide	0.112	Spike	P	0 - 44
2427270	Norflurazon	5.54	Spike	P	0 - 30
2427270	Octinoxate	8.74	Spike	P	0 - 45
2427270	Oxadiazon	5.65	Spike	P	0 - 28
2427270	Oxybenzone	11.3	Spike	P	0 - 46
2427270	Oxyfluorfen	1.80	Spike	P	0 - 28
2427270	Parathion Ethyl	7.63	Spike	P	0 - 31
2427270	Parathion Methyl	0.362	Spike	P	0 - 29
2427270	PBB-153	17.2	Spike	P	0 - 30
2427270	PBDE-47	13.7	Spike	P	0 - 36
2427270	PBDE-99	15.3	Spike	P	0 - 40
2427270	Pendimethalin	19.6	Spike	P	0 - 33
2427270	Pentabromotoluene	9.76	Spike	P	0 - 30
2427270	Phenytoin	8.36	Spike	P	0 - 100
2427270	Phorate	5.39	Spike	P	0 - 36
2427270	Prodiamine	7.23	Spike	P	0 - 71
2427270	Prometon	10.6	Spike	P	0 - 36
2427270	Prometryn	0.996	Spike	P	0 - 28
2427270	Pronamide	4.17	Spike	P	0 - 24
2427270	Propanil	4.18	Spike	P	0 - 28
2427270	Propargite	9.12	Spike	P	0 - 43
2427270	Propiconazole	12.5	Spike	P	0 - 33
2427270	Pyraflufen Ethyl	22.1	Spike	P	0 - 29
2427270	Pyridaben	6.61	Spike	P	0 - 30
2427270	Pyriproxyfen	12.5	Spike	P	0 - 79
2427270	Simazine	3.65	Spike	P	0 - 29
2427270	Stirophos	14.9	Spike	P	0 - 61
2427270	Sulfentrazone	8.59	Spike	P	0 - 33
2427270	Tebuconazole	11.2	Spike	P	0 - 69
2427270	Terbufos	1.74	Spike	P	0 - 29
2427270	Terbuthylazine	2.96	Spike	P	0 - 32
2427270	Tetradecachloro-m-terphenyl	2.51	Spike	P	0 - 30
2427270	Thiobencarb	0.705	Spike	P	0 - 26
2427270	Tri-o-cresyl Phosphate	13.4	Spike	P	0 - 33
2427270	Triadimefon	3.38	Spike	P	0 - 28
2427270	Tris(1-chloro-2-propyl) phosphate (TCPP)	5.40	Spike	P	0 - 30
2427270	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	8.33	Spike	P	0 - 30
2427270	Tris(2-chloroethyl) phosphate (TCEP)	2.93	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P433350

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427736	Aldrin	3.55	Spike	P	0 - 41
2427736	Alpha-BHC	1.22	Spike	P	0 - 25
2427736	Alpha-Chlordane	3.85	Spike	P	0 - 32
2427736	Beta-BHC	10.7	Spike	P	0 - 33
2427736	Beta-Cyfluthrin	7.03	Spike	P	0 - 43
2427736	Bifenthrin	3.00	Spike	P	0 - 52
2427736	Chlorothalonil	18.5	Spike	P	0 - 82
2427736	Cis-Nonachlor	6.75	Spike	P	0 - 33
2427736	Cypermethrin	2.53	Spike	P	0 - 51
2427736	Dacthal	7.34	Spike	P	0 - 27
2427736	DDD-p,p'	6.33	Spike	P	0 - 39
2427736	DDE-p,p'	0.405	Spike	P	0 - 31
2427736	DDT-p,p'	2.89	Spike	P	0 - 29
2427736	Delta-BHC	1.19	Spike	P	0 - 35
2427736	Deltamethrin	8.46	Spike	P	0 - 100
2427736	Dichlobenil	5.56	Spike	P	0 - 40
2427736	Dicofol	9.08	Spike	P	0 - 37
2427736	Dieldrin	4.35	Spike	P	0 - 27
2427736	Endosulfan I	7.08	Spike	P	0 - 23
2427736	Endosulfan II	2.21	Spike	P	0 - 34
2427736	Endosulfan Sulfate	8.91	Spike	P	0 - 36
2427736	Endrin	0.107	Spike	P	0 - 45
2427736	Endrin Aldehyde	0.682	Spike	P	0 - 76
2427736	Endrin Ketone	7.30	Spike	P	0 - 43
2427736	Esfenvalerate	7.90	Spike	P	0 - 51
2427736	Ethalfluralin	0.190	Spike	P	0 - 22
2427736	Fenpropathrin	14.5	Spike	P	0 - 49
2427736	Gamma-BHC	5.06	Spike	P	0 - 28
2427736	Gamma-Chlordane	7.21	Spike	P	0 - 40
2427736	Heptachlor	0.00655	Spike	P	0 - 29
2427736	Heptachlor Epoxide	0.680	Spike	P	0 - 33
2427736	Hexachlorobenzene	0.597	Spike	P	0 - 36
2427736	Kepone	8.94	Spike	P	0 - 85
2427736	Lambda-Cyhalothrin	9.23	Spike	P	0 - 55
2427736	Methoprene	6.66	Spike	P	0 - 53
2427736	Methoxychlor	5.54	Spike	P	0 - 50
2427736	MGK-264	11.2	Spike	P	0 - 43
2427736	Mirex	3.85	Spike	P	0 - 40
2427736	Oxychlordane	23.2	Spike	P	0 - 31
2427736	Permethrin	5.67	Spike	P	0 - 50
2427736	Phenothrin	13.8	Spike	P	0 - 58
2427736	Piperonyl Butoxide	14.5	Spike	P	0 - 100
2427736	Prallethrin	2.72	Spike	P	0 - 39
2427736	Tau-Fluvalinate	7.32	Spike	P	0 - 54
2427736	Tetramethrin	1.12	Spike	P	0 - 51
2427736	Trans-Nonachlor	7.06	Spike	P	0 - 39
2427736	Triclosan Methyl	3.11	Spike	P	0 - 31
2427736	Trifluralin	1.28	Spike	P	0 - 22
2427815	PCB-1016	7.16	Spike	P	0 - 25
2427815	PCB-1260	3.03	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P433679

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2429555	Aldrin	14.9	Spike	P	0 - 41
2429555	Alpha-BHC	9.96	Spike	P	0 - 25
2429555	Alpha-Chlordane	0.887	Spike	P	0 - 32
2429555	Beta-BHC	9.08	Spike	P	0 - 33
2429555	Beta-Cyfluthrin	1.38	Spike	P	0 - 43
2429555	Bifenthrin	2.80	Spike	P	0 - 52
2429555	Chlorothalonil	14.3	Spike	P	0 - 82
2429555	Cis-Nonachlor	0.0414	Spike	P	0 - 33
2429555	Cypermethrin	0.00964	Spike	P	0 - 51
2429555	Dacthal	14.0	Spike	P	0 - 27
2429555	DDD-p,p'	2.50	Spike	P	0 - 39
2429555	DDE-p,p'	4.47	Spike	P	0 - 31
2429555	DDT-p,p'	0.914	Spike	P	0 - 29
2429555	Delta-BHC	8.38	Spike	P	0 - 35
2429555	Deltamethrin	11.6	Spike	P	0 - 100
2429555	Dichlobenil	7.91	Spike	P	0 - 40
2429555	Dicofol	1.21	Spike	P	0 - 37
2429555	Dieldrin	8.21	Spike	P	0 - 27
2429555	Endosulfan I	0.808	Spike	P	0 - 23
2429555	Endosulfan II	2.46	Spike	P	0 - 34
2429555	Endosulfan Sulfate	4.13	Spike	P	0 - 36
2429555	Endrin	7.22	Spike	P	0 - 45
2429555	Endrin Aldehyde	27.7	Spike	P	0 - 76
2429555	Endrin Ketone	14.3	Spike	P	0 - 43
2429555	Esfenvalerate	15.5	Spike	P	0 - 51
2429555	Ethalfluralin	8.64	Spike	P	0 - 22
2429555	Fenpropathrin	4.92	Spike	P	0 - 49
2429555	Gamma-BHC	12.0	Spike	P	0 - 28
2429555	Gamma-Chlordane	2.84	Spike	P	0 - 40
2429555	Heptachlor	8.72	Spike	P	0 - 29
2429555	Heptachlor Epoxide	1.75	Spike	P	0 - 33
2429555	Hexachlorobenzene	7.67	Spike	P	0 - 36
2429555	Kepone	2.73	Spike	P	0 - 85
2429555	Lambda-Cyhalothrin	10.4	Spike	P	0 - 55
2429555	Methoprene	2.04	Spike	P	0 - 53
2429555	Methoxychlor	9.98	Spike	P	0 - 50
2429555	MGK-264	3.50	Spike	P	0 - 43
2429555	Mirex	6.39	Spike	P	0 - 40
2429555	Oxychlordane	1.72	Spike	P	0 - 31
2429555	Permethrin	33.4	Spike	P	0 - 50
2429555	Phenothrin	5.77	Spike	P	0 - 58
2429555	Piperonyl Butoxide	3.67	Spike	P	0 - 100
2429555	Prallethrin	17.3	Spike	P	0 - 39
2429555	Tau-Fluvalinate	28.0	Spike	P	0 - 54
2429555	Tetramethrin	16.7	Spike	P	0 - 51
2429555	Trans-Nonachlor	6.54	Spike	P	0 - 39
2429555	Triclosan Methyl	10.7	Spike	P	0 - 31
2429555	Trifluralin	1.08	Spike	P	0 - 22

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P433851

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2431068	Tris(1-chloro-2-propyl) phosphate (TCPP)	0.221	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P433350

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427815	Chlordane	6.12	Spike	P	0 - 28
2427815	Toxaphene	2.33	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P433156

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426847	3-Hydroxycarbofuran	6.10	Spike	P	0 - 30
2426847	Aldicarb	5.57	Spike	P	0 - 30
2426847	Aldicarb Sulfone	5.98	Spike	P	0 - 30
2426847	Aldicarb Sulfoxide	7.86	Spike	P	0 - 30
2426847	Carbaryl	7.56	Spike	P	0 - 30
2426847	Carbofuran	9.96	Spike	P	0 - 30
2426847	Methiocarb	0.263	Spike	P	0 - 30
2426847	Methomyl	16.0	Spike	P	0 - 30
2426847	Oxamyl	9.61	Spike	P	0 - 30
2426847	Propoxur	6.33	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P433285

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427498	Acesulfame K	1.58	Spike	P	0 - 30
2427498	AMPA	1.28	Spike	P	0 - 30
2427498	Endothall	1.33	Spike	P	0 - 30
2427498	Glufosinate	2.13	Spike	P	0 - 30
2427498	Glyphosate	16.7	Spike	P	0 - 30
2427498	Sucralose	7.95	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P433321

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427704	2,4-D	8.37	Spike	P	0 - 30
2427704	2,4,5-T	11.7	Spike	P	0 - 30
2427704	Acetaminophen	5.21	Spike	P	0 - 30
2427704	Acetamiprid	1.59	Spike	P	0 - 30
2427704	Afidopyropen	0.494	Spike	P	0 - 30
2427704	Bentazon	3.94	Spike	P	0 - 30
2427704	Benzovindiflupyr	0.209	Spike	P	0 - 30
2427704	Carbamazepine	4.86	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P433321

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427704	Clothianidin	12.0	Spike	P	0 - 30
2427704	Dinotefuran	17.7	Spike	P	0 - 30
2427704	Diuron	54.7	Spike	F	0 - 30
2427704	Fenuron	7.00	Spike	P	0 - 30
2427704	Fluridone	5.83	Spike	P	0 - 30
2427704	Hydrocodone	3.60	Spike	P	0 - 30
2427704	Ibuprofen	1.65	Spike	P	0 - 30
2427704	Imazapyr	1.53	Spike	P	0 - 30
2427704	Imidacloprid	3.22	Spike	P	0 - 30
2427704	Linuron	6.05	Spike	P	0 - 30
2427704	Mandestrobin	2.00	Spike	P	0 - 30
2427704	MCPP	5.49	Spike	P	0 - 30
2427704	Naproxen	11.9	Spike	P	0 - 30
2427704	Primidone	1.33	Spike	P	0 - 30
2427704	Pyraclostrobin	4.30	Spike	P	0 - 30
2427704	Silvex	6.40	Spike	P	0 - 30
2427704	Thiamethoxam	7.56	Spike	P	0 - 30
2427704	Tolfenpyrad	6.16	Spike	P	0 - 30
2427704	Triclopyr	3.01	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P433448

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427857	Total Alkalinity	0.780	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P433808

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427726	TDS	7.36	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P433449

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427857	Fluoride	0.480	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P433426

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427727	Organic Carbon	0.618	Spike	P	0 - 20

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2427703
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	46.5	P	30 - 160

Lab Sample ID: 2427704
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	89.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	90.9	P	30 - 160
EPA 8321B	Carbamazepine-d10	47.1	P	30 - 160
EPA 8321B	Diuron-d6	40.0	P	30 - 160
EPA 8321B	Endothall-d6	101	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	85.9	P	30 - 160
EPA 8321B	Ibuprofen-d3	67.5	P	30 - 160
EPA 8321B	Primidone-d5	77.1	P	30 - 160
EPA 8321B	Sucralose-d6	96.6	P	30 - 160

Lab Sample ID: 2427705
Field Sample ID: FB_07312023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	74.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	84.5	P	30 - 160
EPA 8321B	Carbamazepine-d10	67.9	P	30 - 160
EPA 8321B	Diuron-d6	53.3	P	30 - 160
EPA 8321B	Endothall-d6	101	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	109	P	30 - 160
EPA 8321B	Ibuprofen-d3	63.4	P	30 - 160
EPA 8321B	Primidone-d5	86.8	P	30 - 160
EPA 8321B	Sucralose-d6	104	P	30 - 160

Lab Sample ID: 2427712
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	77.4	P	37 - 129
EPA 8270E	Decachlorobiphenyl	73.3	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	68.3	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	60.5	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	59.0	P	28 - 102
EPA 8276	PCNB	76.2	P	49 - 115

Lab Sample ID: 2427713
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	85.8	P	20 - 200
EPA 8270E	Simazine-d10	90.2	P	62 - 142
EPA 8270E	Terbufos-d10	92.9	P	58 - 132
EPA 8270E	Terphenyl-d14	87.7	P	52 - 137
EPA 8270E	Terphenyl-d14	88.0	P	52 - 137

Quality Assurance Report
Surrogates

Lab Sample ID: 2427714
Field Sample ID: FB_07312023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	48.0	P	37 - 129
EPA 8270E	Decachlorobiphenyl	68.3	P	26 - 115
EPA 8270E	Decachlorobiphenyl	45.5	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	57.6	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	67.6	P	29 - 95.0
EPA 8270E	Tetrachloro-m-xylene	53.8	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	34.4	P	28 - 102
EPA 8276	PCNB	78.7	P	49 - 115

Lab Sample ID: 2427715
Field Sample ID: FB_07312023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Terphenyl-d14	89.4	P	52 - 137
EPA 8270E	Terphenyl-d14	114	P	52 - 137

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A120763
Included Lab Sample IDs: 2427691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	102	103	P/P	90 - 110
Sulfate	102	102	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A120765
Included Lab Sample IDs: 2427691

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

Reference Method: DEP SOP: NU-094-1
Run ID: A120768
Included Lab Sample IDs: 2427691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	96.7	96.1	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A120777
Included Lab Sample IDs: 2427703

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	108	104	P/P	60 - 150
Aldicarb	114	99.6	P/P	60 - 150
Aldicarb Sulfone	102	99.5	P/P	50 - 150
Aldicarb Sulfoxide	107	99.6	P/P	50 - 150
Carbaryl	125	116	P/P	60 - 150
Carbofuran	107	101	P/P	50 - 150
Methiocarb	96.3	84.5	P/P	50 - 150
Methomyl	106	103	P/P	50 - 150
Oxamyl	106	102	P/P	50 - 150
Propoxur	102	95.5	P/P	50 - 150

Reference Method: EPA 8321B
Run ID: A120811
Included Lab Sample IDs: 2427704, 2427705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	70.9	99.5	P/P	60 - 160
Endothall	90.7	90.8	P/P	60 - 160
Glufosinate	86.0	89.8	P/P	60 - 160
Glyphosate	97.8	98.4	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A120812
Included Lab Sample IDs: 2427704, 2427705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	105	104	P/P	60 - 160
Sucralose	96.6	105	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A120817
Included Lab Sample IDs: 2427692

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A120829
Included Lab Sample IDs: 2427692

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A120832
Included Lab Sample IDs: 2427692

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.4	97.0	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A120842
Included Lab Sample IDs: 2427692

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.2	97.2	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A120848
Included Lab Sample IDs: 2427691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.7	96.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A120848
Included Lab Sample IDs: 2427691

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A120890
Included Lab Sample IDs: 2427692

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.9	96.8	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A120909
Included Lab Sample IDs: 2427712, 2427714

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	97.8		P	80 - 120
PCB-1260	97.9		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A120910
Included Lab Sample IDs: 2427713

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	89.8		P	80 - 120
Avobenzone	85.2		P	80 - 120
Dechlorane 602	97.2		P	80 - 120
Dechlorane 603	94.6		P	80 - 120
Dechlorane Plus	92.6		P	80 - 120
Hexabromobenzene	90.1		P	80 - 120
Octinoxate	92.2		P	80 - 120
Oxybenzone	95.1		P	80 - 120
PBB-153	91.2		P	80 - 120
PBDE-47	91.4		P	80 - 120
PBDE-99	95.8		P	80 - 120
Pentabromotoluene	94.5		P	80 - 120
Tetradecachloro-m-terphenyl	82.7		P	80 - 120
Tri-o-cresyl Phosphate	94.0		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	94.5		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	95.1		P	80 - 120

Reference Method: EPA 8321B
Run ID: A120922
Included Lab Sample IDs: 2427704, 2427705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	96.5	93.9	P/P	50 - 150
2,4,5-T	96.8	94.5	P/P	50 - 150
Acetaminophen	113	108	P/P	60 - 160
Acetamiprid	112	107	P/P	50 - 150
Afidopyropen	118	119	P/P	50 - 150
Bentazon	100	108	P/P	50 - 160
Benzovindiflupyr	112	105	P/P	50 - 150
Carbamazepine	104	108	P/P	60 - 150
Clothianidin	121	104	P/P	60 - 150
Dinotefuran	114	125	P/P	50 - 150
Diuron	114	112	P/P	60 - 160
Fenuron	107	105	P/P	60 - 150
Fluridone	126	108	P/P	60 - 160
Hydrocodone	115	110	P/P	60 - 150
Ibuprofen	109	97.1	P/P	50 - 160
Imazapyr	95.6	93.1	P/P	50 - 150
Imidacloprid	98.6	98.2	P/P	60 - 150
Linuron	88.6	92.4	P/P	60 - 150
Mandestrobin	106	111	P/P	50 - 150
MCPP	91.7	89.9	P/P	50 - 150
Naproxen	50.7	123	P/P	50 - 160
Primidone	95.6	100	P/P	60 - 150
Pyraclostrobin	107	105	P/P	60 - 150
Silvex	95.3	88.7	P/P	50 - 150
Thiamethoxam	106	103	P/P	50 - 150
Tolfenpyrad	99.3	104	P/P	60 - 150
Triclopyr	100	88.3	P/P	50 - 150

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A120950
Included Lab Sample IDs: 2427712

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	103		P	80 - 120
Alpha-BHC	101		P	80 - 120
Alpha-Chlordane	97.4		P	80 - 120
Beta-BHC	105		P	80 - 120
Beta-Cyfluthrin	114		P	80 - 120
Bifenthrin	107		P	80 - 120
Chlorothalonil	100		P	80 - 120
Cis-Nonachlor	101		P	80 - 120
Cypermethrin	109		P	80 - 120
Dacthal	103		P	80 - 120
DDD-p,p'	102		P	80 - 120
DDE-p,p'	99.5		P	80 - 120
DDT-p,p'	96.5		P	80 - 120
Delta-BHC	105		P	80 - 120
Deltamethrin	104		P	80 - 120
Dichlobenil	94.5		P	80 - 120
Dicofol	96.2		P	80 - 120
Dieldrin	104		P	80 - 120
Endosulfan I	102		P	80 - 120
Endosulfan II	103		P	80 - 120
Endosulfan Sulfate	102		P	80 - 120
Endrin	99.1		P	80 - 120
Endrin Aldehyde	103		P	80 - 120
Endrin Ketone	108		P	80 - 120
Esfenvalerate	107		P	80 - 120
Ethalfluralin	101		P	80 - 120
Fenpropathrin	102		P	80 - 120
Gamma-BHC	103		P	80 - 120
Gamma-Chlordane	104		P	80 - 120
Heptachlor	103		P	80 - 120
Heptachlor Epoxide	104		P	80 - 120
Hexachlorobenzene	95.3		P	80 - 120
Kepone	85.9		P	80 - 120
Lambda-Cyhalothrin	112		P	80 - 120
Methoprene	102		P	80 - 120
Methoxychlor	108		P	80 - 120
MGK-264	108		P	80 - 120
Mirex	96.7		P	80 - 120
Oxychlordane	102		P	80 - 120
Permethrin	109		P	80 - 120
Phenothrin	102		P	80 - 120
Piperonyl Butoxide	99.0		P	80 - 120
Prallethrin	106		P	80 - 120
Tau-Fluvalinate	112		P	80 - 120
Tetramethrin	105		P	80 - 120
Trans-Nonachlor	104		P	80 - 120
Triclosan Methyl	102		P	80 - 120
Trifluralin	100		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A120951
Included Lab Sample IDs: 2427715

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	93.2		P	80 - 120
Avobenzone	97.8		P	80 - 120
Dechlorane 602	97.1		P	80 - 120
Dechlorane 603	95.8		P	80 - 120
Dechlorane Plus	95.8		P	80 - 120
Hexabromobenzene	94.1		P	80 - 120
Octinoxate	92.7		P	80 - 120
Oxybenzone	93.4		P	80 - 120
PBB-153	93.3		P	80 - 120
PBDE-47	94.0		P	80 - 120
PBDE-99	94.0		P	80 - 120
Pentabromotoluene	93.9		P	80 - 120
Tetradecachloro-m-terphenyl	88.3		P	80 - 120
Tri-o-cresyl Phosphate	98.3		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	90.8		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	91.2		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	94.0		P	80 - 120

Reference Method: EPA 8276
Run ID: A120959
Included Lab Sample IDs: 2427712, 2427714

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	101		P	80 - 120
Toxaphene	106		P	80 - 120

Reference Method: EPA 8270E
Run ID: A120986
Included Lab Sample IDs: 2427713

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	89.1		P	80 - 120
Alachlor	86.0		P	80 - 120
Ametryn	94.5		P	80 - 120
Atrazine	97.9		P	80 - 120
Atrazine Desethyl	94.5		P	80 - 120
Azinphos Methyl	105		P	80 - 120
Azoxystrobin	96.0		P	80 - 120
Bromacil	100		P	80 - 120
Butylate	99.4		P	80 - 120
Caffeine	95.5		P	80 - 120
Carbophenothion	100		P	80 - 120
Carfentrazone Ethyl	95.8		P	80 - 120
Chlorfenapyr	101		P	80 - 120
Chlorpyrifos Ethyl	87.4		P	80 - 120
Chlorpyrifos Methyl	100		P	80 - 120
Coumaphos	113		P	80 - 120
Cyanazine	103		P	80 - 120
Cyprodinil	96.2		P	80 - 120
Demeton	101		P	80 - 120
Diazinon	100		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A120986
Included Lab Sample IDs: 2427713

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Difenoconazole	105		P	80 - 120
Dimethenamid	97.1		P	80 - 120
Dimethomorph	92.4		P	80 - 120
Disulfoton	100		P	80 - 120
Dithiopyr	101		P	80 - 120
EPTC	101		P	80 - 120
Ethion	90.5		P	80 - 120
Ethoprop	105		P	80 - 120
Etridiazole	95.6		P	80 - 120
Fenamiphos	99.2		P	80 - 120
Fenbuconazole	91.6		P	80 - 120
Fipronil	90.6		P	80 - 120
Fipronil Desulfinyl	103		P	80 - 120
Fipronil Sulfide	103		P	80 - 120
Fipronil Sulfone	104		P	80 - 120
Fluazifop-P-butyl	105		P	80 - 120
Fludioxonil	94.6		P	80 - 120
Flumioxazin	106		P	80 - 120
Flutolanil	96.6		P	80 - 120
Fluxapyroxad	103		P	80 - 120
Fonofos	101		P	80 - 120
Hexazinone	98.1		P	80 - 120
Imazalil	97.7		P	80 - 120
Iprodione	90.2		P	80 - 120
Loratadine	86.2		P	80 - 120
Malathion	103		P	80 - 120
Metalaxyl	87.5		P	80 - 120
Metolachlor	100		P	80 - 120
Metribuzin	96.1		P	80 - 120
Mevinphos	99.9		P	80 - 120
Molinate	88.1		P	80 - 120
Myclobutanil	88.1		P	80 - 120
Naled	104		P	80 - 120
Napropamide	97.8		P	80 - 120
Norflurazon	103		P	80 - 120
Oxadiazon	100		P	80 - 120
Oxyfluorfen	105		P	80 - 120
Parathion Ethyl	96.9		P	80 - 120
Parathion Methyl	88.2		P	80 - 120
Pendimethalin	101		P	80 - 120
Phenytoin	101		P	80 - 120
Phorate	114		P	80 - 120
Prodiamine	102		P	80 - 120
Prometon	91.8		P	80 - 120
Prometryn	94.5		P	80 - 120
Pronamide	105		P	80 - 120
Propanil	103		P	80 - 120
Propargite	108		P	80 - 120
Propiconazole	85.7		P	80 - 120
Pyraflufen Ethyl	99.0		P	80 - 120
Pyridaben	106		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A120986
Included Lab Sample IDs: 2427713

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Pyriproxyfen	102		P	80 - 120
Simazine	90.9		P	80 - 120
Stirophos	88.8		P	80 - 120
Sulfentrazone	86.3		P	80 - 120
Tebuconazole	104		P	80 - 120
Terbufos	94.4		P	80 - 120
Terbuthylazine	87.7		P	80 - 120
Thiobencarb	99.2		P	80 - 120
Triadimefon	92.6		P	80 - 120

Reference Method: EPA 8270E
Run ID: A121088
Included Lab Sample IDs: 2427714

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	105		P	80 - 120
Alpha-BHC	111		P	80 - 120
Alpha-Chlordane	101		P	80 - 120
Beta-BHC	104		P	80 - 120
Beta-Cyfluthrin	96.0		P	80 - 120
Bifenthrin	99.4		P	80 - 120
Chlorothalonil	94.6		P	80 - 120
Cis-Nonachlor	89.1		P	80 - 120
Cypermethrin	95.9		P	80 - 120
Dacthal	101		P	80 - 120
DDD-p,p'	107		P	80 - 120
DDE-p,p'	101		P	80 - 120
DDT-p,p'	104		P	80 - 120
Delta-BHC	106		P	80 - 120
Deltamethrin	102		P	80 - 120
Dichlobenil	103		P	80 - 120
Dicofol	91.5		P	80 - 120
Dieldrin	96.5		P	80 - 120
Endosulfan I	103		P	80 - 120
Endosulfan II	99.7		P	80 - 120
Endosulfan Sulfate	86.6		P	80 - 120
Endrin	97.9		P	80 - 120
Endrin Aldehyde	87.9		P	80 - 120
Endrin Ketone	107		P	80 - 120
Esfenvalerate	106		P	80 - 120
Ethalfluralin	83.0		P	80 - 120
Fenpropathrin	97.8		P	80 - 120
Gamma-BHC	109		P	80 - 120
Gamma-Chlordane	101		P	80 - 120
Heptachlor	98.2		P	80 - 120
Heptachlor Epoxide	102		P	80 - 120
Hexachlorobenzene	105		P	80 - 120
Kepone	56.8*		F	80 - 120
Lambda-Cyhalothrin	105		P	80 - 120
Methoprene	116		P	80 - 120
Methoxychlor	98.7		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A121088
Included Lab Sample IDs: 2427714

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
MGK-264	97.7		P	80 - 120
Mirex	111		P	80 - 120
Oxychlordane	109		P	80 - 120
Permethrin	97.9		P	80 - 120
Phenothrin	102		P	80 - 120
Piperonyl Butoxide	110		P	80 - 120
Prallethrin	103		P	80 - 120
Tau-Fluvalinate	107		P	80 - 120
Tetramethrin	104		P	80 - 120
Trans-Nonachlor	96.9		P	80 - 120
Triclosan Methyl	93.3		P	80 - 120
Trifluralin	111		P	80 - 120

Reference Method: EPA 8270E
Run ID: A121134
Included Lab Sample IDs: 2427713

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tris(1-chloro-2-propyl) phosphate (TCPP)	92.8		P	80 - 120

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	95.9				1.07	
EPA 180.1 Rev. 2.0	Turbidity	99.2				3.24	
EPA 300.0 Rev. 2.1	Chloride	101	102	102		0.0568	
	Sulfate	101	102	101		0.0167	
EPA 350.1 Rev. 2.0	Ammonia-N	95.8	96.8	96.2			0.579
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	94.8					14.2
EPA 353.2 Rev. 2.0	NO2NO3-N	104	103	102			0.428
EPA 365.1 Rev. 2.0	Total-P	108	108	107			0.567
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	106	89.4	107			17.9
	Acetochlor	88.1	77.4	73.5			5.09
	Alachlor	92.0	70.7	72.1			1.87
	Aldrin	52.6	58.6	56.6			3.55
	Aldrin	65.6	32.3	37.6			14.9
	Alpha-BHC	88.8	91.5	92.6			1.22
	Alpha-BHC	102	81.1	89.6			9.96
	Alpha-Chlordane	63.8	66.2	69.2			3.85
	Alpha-Chlordane	63.8	45.1	44.7			0.887
	Ametryn	104	105	104			0.882
	Atrazine	88.8					1.74
	Atrazine Desethyl	84.6	66.2	63.9			2.49
	Avobenzone	124	109	131			18.4
	Azinphos Methyl	122	113	117			3.37
	Azoxystrobin	90.8	108	103			4.80
	Beta-BHC	78.1	87.4	98.2			10.7
	Beta-BHC	83.8	78.2	85.6			9.08
	Beta-Cyfluthrin	42.6	116	125			7.03
	Beta-Cyfluthrin	95.7	60.9	61.7			1.38
	Bifenthrin	29.6	85.3	87.9			3.00
	Bifenthrin	68.7	49.0	50.4			2.80
	Bromacil	98.7	88.3	95.5			7.81
	Butylate	32.0	46.2	50.1			8.06
	Caffeine	82.4	65.4	64.1			0.581
	Carbophenothion	101	83.0	90.1			8.22
	Carfentrazone Ethyl	113	92.0	93.7			1.77
	Chlorfenapyr	92.8	77.9	75.1			3.60
	Chlorothalonil	79.7	84.6	102			18.5
	Chlorothalonil	61.4	72.1	83.2			14.3
	Chlorpyrifos Ethyl	84.7	85.1	79.4			6.96
	Chlorpyrifos Methyl	91.9	75.9	80.4			5.78
	Cis-Nonachlor	56.1	64.8	69.4			6.75
	Cis-Nonachlor	57.7	41.5	41.6			0.0414
	Coumaphos	167	137	147			7.04
	Cyanazine	111	101	108			6.21
	Cypermethrin	47.9	111	108			2.53
	Cypermethrin	111	72.9	72.9			0.0096
	Cyprodinil	82.9	52.2	61.8			16.9
	Dacthal	75.9	80.7	86.9			7.34
	Dacthal	87.7	61.9	71.2			14.0
	DDD-p,p'	62.0	72.8	77.6			6.33
	DDD-p,p'	64.2	51.3	50.0			2.50
	DDE-p,p'	61.8	69.5	69.2			0.405
	DDE-p,p'	68.6	51.2	53.5			4.47

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	DDT-p,p'	57.9	70.9	68.9			2.89
	DDT-p,p'	61.9	44.9	45.3			0.914
	Dechlorane 602	107	66.0	73.3			10.4
	Dechlorane 603	122	94.8	110			15.1
	Dechlorane Plus	113	77.2	86.6			11.5
	Delta-BHC	90.0	99.3	100			1.19
	Delta-BHC	85.6	91.5	99.5			8.38
	Deltamethrin	69.3	165	179			8.46
	Deltamethrin	106	77.8	69.3			11.6
	Demeton	58.1	70.5	74.9			5.98
	Diazinon	93.8	85.9	96.5			11.6
	Dichlobenil	84.3	59.2	62.6			5.56
	Dichlobenil	60.7	49.9	54.0			7.91
	Dicofol	61.8	80.0	87.6			9.08
	Dicofol	68.6	45.4	44.9			1.21
	Dieldrin	74.0	71.2	75.2			4.35
	Dieldrin	65.4	45.3	49.2			8.21
	Difenoconazole	159	143	139			2.45
	Dimethenamid	83.4	69.7	62.6			10.7
	Dimethomorph	81.8	151	136			10.3
	Disulfoton	92.7	86.3	94.9			9.43
	Dithiopyr	94.4	76.6	75.7			1.21
	Endosulfan I	77.2	75.9	81.4			7.08
	Endosulfan I	76.8	52.7	52.3			0.808
	Endosulfan II	63.0	73.0	74.7			2.21
	Endosulfan II	69.4	59.5	61.0			2.46
	Endosulfan Sulfate	65.9	59.7	65.2			8.91
	Endosulfan Sulfate	70.2	54.6	52.4			4.13
	Endrin	75.1	75.6	75.6			0.107
	Endrin	71.8	49.5	53.2			7.22
	Endrin Aldehyde	77.8	56.1	56.4			0.682
	Endrin Aldehyde	62.0	58.3	44.1			27.7
	Endrin Ketone	77.5	80.7	86.8			7.30
	Endrin Ketone	85.0	85.3	73.9			14.3
	EPTC	30.3	41.5	46.1			10.4
	Esfenvalerate	44.0	125	135			7.90
	Esfenvalerate	107	73.5	85.9			15.5
	Ethalfluralin	64.8	76.4	76.2			0.190
	Ethalfluralin	88.4	54.7	59.6			8.64
	Ethion	93.8	48.5	50.7			4.39
	Ethoprop	79.6	82.2	87.9			6.74
	Etridiazole	33.5	47.5	47.9			0.688
	Fenamiphos	97.6	60.3	62.2			3.12
	Fenbuconazole	101	87.5	81.7			6.78
	Fenpropathrin	53.5	86.1	99.5			14.5
	Fenpropathrin	75.8	45.7	48.0			4.92
	Fipronil	81.5	60.1	63.7			5.14
	Fipronil Desulfinyl	91.2	62.5	66.7			4.24
	Fipronil Sulfide	84.5	50.8	59.6			11.9
	Fipronil Sulfone	98.9	51.7	57.1			5.29
	Fluazifop-P-butyl	105	81.6	84.3			3.21
	Fludioxonil	78.5	65.2	61.9			5.18
	Flumioxazin	179	188	181			3.80
	Flutolanil	81.0	55.1	56.1			1.74

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Fluxapyroxad	100	68.0	69.5			2.17
	Fonofos	76.2	79.3	79.4			0.132
	Gamma-BHC	72.8	81.2	85.4			5.06
	Gamma-BHC	73.3	70.1	79.0			12.0
	Gamma-Chlordane	49.7	64.7	70.1			7.21
	Gamma-Chlordane	71.1	46.6	48.0			2.84
	Heptachlor	60.5	71.6	71.6			0.0065
	Heptachlor	61.8	38.4	41.9			8.72
	Heptachlor Epoxide	74.0	77.9	78.6			0.680
	Heptachlor Epoxide	79.4	52.5	53.4			1.75
	Hexabromobenzene	107	108	125			14.9
	Hexachlorobenzene	54.8	59.3	59.7			0.597
	Hexachlorobenzene	55.1	37.7	40.7			7.67
	Hexazinone	96.7	79.8	80.7			1.12
	Imazalil	108	80.5	71.9			11.2
	Iprodione	97.8	73.6	77.8			5.50
	Kepone	49.8	62.4	57.0			8.94
	Kepone	81.6	68.4	66.6			2.73
	Lambda-Cyhalothrin	35.0	95.3	104			9.23
	Lambda-Cyhalothrin	82.1	56.2	62.3			10.4
	Loratadine	65.5	107	110			2.46
	Malathion	127	116	123			5.64
	Metalaxyl	87.2	71.4	78.4			9.31
	Methoprene	27.9	70.4	75.2			6.66
	Methoprene	75.9	50.2	51.2			2.04
	Methoxychlor	68.5	85.2	90.1			5.54
	Methoxychlor	111	77.2	69.8			9.98
	Metolachlor	105	91.2	98.0			7.18
	Metribuzin	94.7	87.8	90.2			2.60
	Mevinphos	67.9	86.6	91.7			5.71
	MGK-264	62.9	79.0	89.6			11.2
	MGK-264	76.6	71.3	68.8			3.50
	Mirex	45.0	69.0	66.4			3.85
	Mirex	67.0	41.8	44.6			6.39
	Molinate	32.8	47.4	50.0			5.31
	Myclobutanil	90.5	76.6	76.1			0.609
	Naled	56.6	59.5	69.4			15.4
	Napropamide	84.9	69.5	69.6			0.112
	Norflurazon	95.4	76.8	81.2			5.54
	Octinoxate	122	129	141			8.74
	Oxadiazon	84.4	71.9	76.1			5.65
	Oxybenzone	105	111	124			11.3
	Oxychlordane	61.9	61.8	78.0			23.2
	Oxychlordane	82.9	51.4	52.3			1.72
	Oxyfluorfen	103	88.2	89.8			1.80
	Parathion Ethyl	86.9	80.7	87.1			7.63
	Parathion Methyl	87.5	78.6	78.3			0.362
	PBB-153	119	105	125			17.2
	PBDE-47	111	93.0	107			13.7
	PBDE-99	111	83.6	97.5			15.3
	PCB-1016	74.1	82.1	76.4			7.16
	PCB-1260	71.9	74.5	72.3			3.03
	Pendimethalin	89.5	68.8	83.7			19.6
	Pentabromotoluene	97.0	98.2	108			9.76

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Permethrin	43.1	108	114			5.67
	Permethrin	83.4	60.6	84.9			33.4
	Phenothrin	33.2	88.3	103			13.8
	Phenothrin	73.7	55.1	58.4			5.77
	Phenytoin	141	131	142			8.36
	Phorate	81.2	94.4	99.6			5.39
	Piperonyl Butoxide	84.0	154	218			14.5
	Piperonyl Butoxide	149	147	141			3.67
	Prallethrin	51.2	105	102			2.72
	Prallethrin	80.8	58.7	69.9			17.3
	Prodiamine	42.8	35.2	32.8			7.23
	Prometon	82.8	103	114			10.6
	Prometryn	90.4	72.7	72.0			0.996
	Pronamide	108	99.8	95.7			4.17
	Propanil	118	108	103			4.18
	Propargite	121	57.0	62.4			9.12
	Propiconazole	95.4	67.2	82.8			12.5
	Pyraflufen Ethyl	101	76.6	95.6			22.1
	Pyridaben	143	55.7	70.3			6.61
	Pyriproxyfen	106	69.7	79.0			12.5
	Simazine	91.1	92.0	88.7			3.65
	Stirophos	73.6	26.9	31.3			14.9
	Sulfentrazone	90.0	70.0	76.3			8.59
	Tau-Fluvalinate	38.0	130	140			7.32
	Tau-Fluvalinate	111	73.7	97.8			28.0
	Tebuconazole	97.5	48.1	55.4			11.2
	Terbufos	87.0	95.8	97.5			1.74
	Terbuthylazine	80.7	74.0	76.2			2.96
	Tetradecachloro-m-terphenyl	88.1	85.4	87.6			2.51
	Tetramethrin	69.0	115	116			1.12
	Tetramethrin	106	80.1	97.7			16.7
	Thiobencarb	96.3	77.3	76.7			0.705
	Trans-Nonachlor	48.4	61.8	66.4			7.06
	Trans-Nonachlor	89.9	53.8	57.4			6.54
	Tri-o-cresyl Phosphate	117	106	122			13.4
	Triadimefon	89.9	73.0	70.5			3.38
	Triclosan Methyl	73.7	71.3	73.6			3.11
	Triclosan Methyl	98.1	61.7	55.4			10.7
	Trifluralin	62.4	69.2	70.1			1.28
	Trifluralin	86.5	48.1	48.6			1.08
	Tris(1-chloro-2-propyl) phosphate (TCPP)	114	114	122			5.40
	Tris(1-chloro-2-propyl) phosphate (TCPP)	123	89.5	89.2			0.221
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	107	103	112			8.33
	Tris(2-chloroethyl) phosphate (TCEP)	113	121	125			2.93
EPA 8276	Chlordane	69.8	65.7	61.8			6.12
	Toxaphene	77.9	66.4	64.9			2.33
EPA 8321B	2,4-D	83.3	88.2	95.9			8.37
	2,4,5-T	80.8	90.9	102			11.7
	3-Hydroxycarbofuran	76.4	57.5	54.1			6.10
	Acesulfame K	99.3	115	117			1.58
	Acetaminophen	87.3	104	98.3			5.21

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8321B	Acetamiprid	93.4	71.7	70.5			1.59
	Afidopyropen	78.9	75.4	75.7			0.494
	Aldicarb	59.9	39.1	41.4			5.57
	Aldicarb Sulfone	78.7	59.8	63.5			5.98
	Aldicarb Sulfoxide	75.1	27.1	25.1			7.86
	AMPA	127	88.0	89.1			1.28
	Bentazon	137	159	153			3.94
	Benzovindiflupyr	88.3	77.9	77.7			0.209
	Carbamazepine	66.2	56.9	54.2			4.86
	Carbaryl	62.3	41.8	38.3			7.56
	Carbofuran	61.7	35.9	39.7			9.96
	Clothianidin	95.4	115	102			12.0
	Dinotefuran	114	104	86.7			17.7
	Diuron	63.2	26.8	47.0			54.7
	Endothall	103	112	111			1.33
	Fenuron	94.7	75.5	70.4			7.00
	Fluridone	102	91.6	86.4			5.83
	Glufosinate	99.2	79.2	80.9			2.13
	Glyphosate	106	81.4	96.2			16.7
	Hydrocodone	97.6	77.7	74.9			3.60
	Ibuprofen	72.2	76.1	77.3			1.65
	Imazapyr	77.6	83.6	85.1			1.53
	Imidacloprid	86.8	124	120			3.22
	Linuron	73.7	55.4	58.9			6.05
	Mandestrobin	95.5	85.1	86.8			2.00
	MCPP	90.8	97.6	103			5.49
	Methiocarb	54.8	32.8	32.7			0.263
	Methomyl	77.0	60.3	51.3			16.0
	Naproxen	76.1	62.7	70.6			11.9
	Oxamyl	81.4	63.3	57.5			9.61
	Primidone	79.2	88.6	87.4			1.33
	Propoxur	60.3	34.3	36.6			6.33
	Pyraclostrobin	71.5	75.0	78.3			4.30
	Silvex	89.4	108	101			6.40
	Sucralose	100	97.1	105			7.95
	Thiamethoxam	99.0	104	96.6			7.56
	Tolfenpyrad	44.3	51.0	54.3			6.16
	Triclopyr	82.4	91.4	94.2			3.01
SM 2320 B-2011	Total Alkalinity	95.8				0.780	
SM 2540 C-2015	TDS	96.8				7.36	
SM 2540 D-2015	TSS	89.7					
SM 4500-F- C-2011	Fluoride	100					0.480
SM 5310 B-2011	Organic Carbon	97.4	96.5	97.3			0.618

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2427691
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2427691
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2427691
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2427691
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2427692
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2427692

Reference Method Descriptions

Method	Description	Associated Samples
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2427692
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2427692
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2427713, 2427715
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2427712, 2427714
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2427713
EPA 8270E	PCBs in water matrices by GC/MS/MS	2427712, 2427714
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2427712, 2427714
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2427703
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2427704, 2427705
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2427691
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2427691
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2427691
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2427691
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2427692

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	08/01/2023			08/01/2023 14:19	Samantha L Bates	2427691
EPA 180.1 Rev. 2.0	08/01/2023			08/01/2023 13:32	Alexis Price	2427691
EPA 300.0 Rev. 2.1	08/01/2023			08/02/2023 22:42	James L Waggerby	2427691
EPA 350.1 Rev. 2.0	08/01/2023			08/08/2023 12:08	Ping Hua	2427692
EPA 351.2 Rev. 2.0	08/01/2023	08/02/2023 10:37	Dana G. Hughes	08/03/2023 15:26	Samantha L Bates	2427692
EPA 353.2 Rev. 2.0	08/01/2023			08/03/2023 09:48	Beverly Y. Sanders	2427692
EPA 365.1 Rev. 2.0	08/01/2023	08/02/2023 14:24	Alexis Price	08/03/2023 15:07	James L Waggerby	2427692
EPA 8270E	08/01/2023	08/02/2023 09:00	Rasheda Ghaffari	08/09/2023 00:15	Arthur Maknenko	2427713
	08/01/2023	08/02/2023 09:00	Rasheda Ghaffari	08/09/2023 18:56	Vandana T. Nagar	2427713
	08/01/2023	08/02/2023 09:00	Rasheda Ghaffari	08/09/2023 22:47	Arthur Maknenko	2427715
	08/01/2023	08/03/2023 09:00	Rasheda Ghaffari	08/08/2023 21:02	Vandana T. Nagar	2427712
	08/01/2023	08/03/2023 09:00	Rasheda Ghaffari	08/08/2023 21:34	Vandana T. Nagar	2427714
	08/01/2023	08/03/2023 09:00	Rasheda Ghaffari	08/08/2023 22:11	Julie Wi	2427712
	08/01/2023	08/11/2023 08:00	Fe-Val Siddell	08/15/2023 02:08	Julie Wi	2427714
	08/01/2023	08/16/2023 08:00	Fe-Val Siddell	08/18/2023 19:46	Arthur Maknenko	2427713
EPA 8276	08/01/2023	08/03/2023 09:00	Rasheda Ghaffari	08/09/2023 04:50	Arthur Maknenko	2427712
	08/01/2023	08/03/2023 09:00	Rasheda Ghaffari	08/09/2023 05:48	Arthur Maknenko	2427714
EPA 8321B	08/01/2023	08/01/2023 12:00	Hoor Shaik	08/01/2023 18:31	Juyoung Kim	2427703
	08/01/2023	08/02/2023 08:00	Tae K Lee	08/02/2023 13:23	Hana Lee	2427704
	08/01/2023	08/02/2023 08:00	Tae K Lee	08/02/2023 13:36	Hana Lee	2427705
	08/01/2023	08/02/2023 08:00	Tae K Lee	08/03/2023 06:53	Hana Lee	2427704
	08/01/2023	08/02/2023 08:00	Tae K Lee	08/03/2023 07:07	Hana Lee	2427705
	08/01/2023	08/03/2023 13:00	Hoor Shaik	08/05/2023 05:06	Juyoung Kim	2427704
	08/01/2023	08/03/2023 13:00	Hoor Shaik	08/05/2023 05:25	Juyoung Kim	2427705
SM 2320 B-2011	08/01/2023			08/03/2023 20:53	Dale L. Simmons	2427691
SM 2540 C-2015	08/01/2023			08/04/2023 16:14	Yijie Li	2427691
SM 2540 D-2015	08/01/2023			08/04/2023 16:14	Yijie Li	2427691
SM 4500-F- C-2011	08/01/2023			08/03/2023 20:53	Dale L. Simmons	2427691
SM 5310 B-2011	08/01/2023			08/03/2023 17:23	Elise M. Gillis	2427692