

Chemical Analysis Report

NE-DIST-2023-08-29-01

Florida DEP Laboratory
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DOH Accreditation E31780

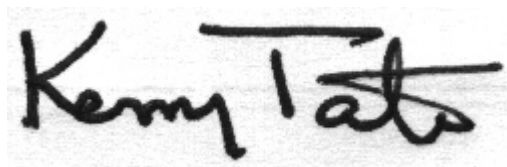
Event Description: **LSJR North 2023**
Request ID: **RQ-2023-08-14-35**
Customer: **NE-DIST**
Project ID: **SMP**

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8800 Baymeadows Way West
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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 22-SEP-2023 09:11

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

Case Narrative

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

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

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

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

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

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

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

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

Precision is reported as relative percent difference unless otherwise noted.

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

QC Codes used in this report may include:

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

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

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

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

Sample Location: Little Sixmile Cr at Pickettville Rd

Collection Date/Time: 08/28/2023 09:25

Field ID: 20030011

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434064	DEP SOP: NU-094-1	Color (true)	100		PCU	P434491	
	EPA 180.1 Rev. 2.0	Turbidity	7.5		NTU	P434496	
	EPA 300.0 Rev. 2.1	Chloride	18		mg Cl/L	P434603	
		Sulfate	17		mg SO4/L	P434606	
	SM 2320 B-2011	Total Alkalinity	79	A	mg CaCO3/L	P434707	
	SM 2540 C-2015	TDS	172		mg/L	P434781	
	SM 2540 D-2015	TSS	4	I	mg/L	P434782	
	SM 4500-F- C-2011	Fluoride	0.11		mg F/L	P434710	
2434065	EPA 350.1 Rev. 2.0	Ammonia-N	0.11		mg N/L	P434682	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.87		mg N/L	P434762	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.17		mg N/L	P434866	
	EPA 365.1 Rev. 2.0	Total-P	0.15		mg P/L	P434663	
	SM 5310 B-2011	Organic Carbon	12		mg C/L	P434775	

Ref. Method and Comment:

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

Sample Location: Tributary to Trout at Bessent Rd

Collection Date/Time: 08/28/2023 10:10

Field ID: G2NE1207

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434066	DEP SOP: NU-094-1	Color (true)	98		PCU	P434491	
	EPA 180.1 Rev. 2.0	Turbidity	5.4		NTU	P434496	
	EPA 300.0 Rev. 2.1	Chloride	3.7E+03		mg Cl/L	P434603	
		Sulfate	520		mg SO4/L	P434606	
	SM 2320 B-2011	Total Alkalinity	85		mg CaCO3/L	P434550	
	SM 2540 C-2015	TDS	6.77E+03		mg/L	P434781	
	SM 2540 D-2015	TSS	5	I	mg/L	P434782	
	SM 4500-F- C-2011	Fluoride	0.33		mg F/L	P434552	
2434067	EPA 350.1 Rev. 2.0	Ammonia-N	0.067		mg N/L	P434575	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.98		mg N/L	P434764	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.010		mg N/L	P434755	
	EPA 365.1 Rev. 2.0	Total-P	0.15		mg P/L	P434768	
	SM 5310 B-2011	Organic Carbon	14		mg C/L	P434775	
2434081	EPA 8321B	Aldicarb	0.020	U	ug/L	P434519	
		Aldicarb Sulfone	0.0020	U	ug/L	P434519	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P434519	
		Carbaryl	0.0020	U	ug/L	P434519	
		Carbofuran	0.0020	U	ug/L	P434519	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P434519	
		Methiocarb	0.0020	U	ug/L	P434519	
		Methomyl	0.0020	U	ug/L	P434519	
		Oxamyl	0.0020	U	ug/L	P434519	
		Propoxur	0.0020	U	ug/L	P434519	
2434082		2,4-D	0.014		ug/L	P434519	
		Acesulfame K	0.10	U	ug/L	P434463	
		2,4,5-T	0.0040	U	ug/L	P434519	
		AMPA	1.0	U	ug/L	P434463	
		Acetaminophen	0.0080	U	ug/L	P434519	
		Acetamiprid	0.0020	U	ug/L	P434519	
		Endothall	0.25	U	ug/L	P434463	
		Glufosinate	1.0	U	ug/L	P434463	
		Glyphosate	1.0	U	ug/L	P434463	
		Afidopyropen	0.0020	U	ug/L	P434519	
		Bentazon	0.014		ug/L	P434519	
		Sucralose	0.41		ug/L	P434463	
		Benzovindiflupyr	0.0020	U	ug/L	P434519	
		Carbamazepine	8.0E-04	U	ug/L	P434519	
		Clothianidin	0.0027	I	ug/L	P434519	
		Dinotefuran	0.0020	U	ug/L	P434519	
		Diuron	0.0073	I	ug/L	P434519	
		Fenuron	0.032	U	ug/L	P434519	
		Fluridone	0.0075		ug/L	P434519	
		Imazapyr	0.11		ug/L	P434519	
		Hydrocodone	0.0020	U	ug/L	P434519	

Field ID: G2NE1207

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434082	EPA 8321B	Ibuprofen	0.080	U	ug/L	P434519	
		Imidacloprid	0.013		ug/L	P434519	
		Linuron	0.0040	U	ug/L	P434519	
		Mandestrobin	0.0020	U	ug/L	P434519	
		MCP	0.0020	U	ug/L	P434519	
		Naproxen	0.0080	U	ug/L	P434519	
		Primidone	0.0040	U	ug/L	P434519	
		Pyraclostrobin	0.0020	U	ug/L	P434519	
		Silvex	0.0040	U	ug/L	P434519	
		Thiamethoxam	0.0020	U	ug/L	P434519	
		Tolfenpyrad	0.0020	U	ug/L	P434519	
		Triclopyr	0.0040	U	ug/L	P434519	
2434083	EPA 8270E	Aldrin	0.71	U	ng/L	P434554	
		Alpha-BHC	0.11	U	ng/L	P434554	
		Alpha-Chlordane	0.31	I	ng/L	P434554	
		PCB-1016	2.2	U	ng/L	P434554	
		Beta-BHC	0.11	U	ng/L	P434554	
		PCB-1221	2.2	U	ng/L	P434554	
		Beta-Cyfluthrin	1.4	U	ng/L	P434554	
		PCB-1232	2.2	U	ng/L	P434554	
		Bifenthrin	0.55	U	ng/L	P434554	
		PCB-1242	2.2	U	ng/L	P434554	
		PCB-1248	2.2	U	ng/L	P434554	
		Chlorothalonil	3.9	U	ng/L	P434554	
		PCB-1254	2.2	U	ng/L	P434554	
		Cis-Nonachlor	0.22	U	ng/L	P434554	
		PCB-1260	2.2	U	ng/L	P434554	
		Cypermethrin	1.6	U	ng/L	P434554	
		Dacthal	0.16	UJ	ng/L	P434554	LCS, RPD
		DDD-p,p'	0.27	U	ng/L	P434554	
		DDE-p,p'	0.22	U	ng/L	P434554	
		DDT-p,p'	0.88	U	ng/L	P434554	
		Delta-BHC	0.44	U	ng/L	P434554	
		Deltamethrin	1.4	U	ng/L	P434554	
		Dichlobenil	0.27	U	ng/L	P434554	
		Dicofol	1.4	U	ng/L	P434554	
		Dieldrin	0.44	U	ng/L	P434554	
		Endosulfan I	0.44	U	ng/L	P434554	
		Endosulfan II	0.99	U	ng/L	P434554	
		Endosulfan Sulfate	0.33	U	ng/L	P434554	
		Endrin	0.99	U	ng/L	P434554	
		Endrin Aldehyde	0.82	UJ	ng/L	P434554	CCV
		Endrin Ketone	0.44	UJ	ng/L	P434554	LCS, RPD
		Esfenvalerate	0.82	U	ng/L	P434554	
		Ethalfuralin	0.16	U	ng/L	P434554	

Field ID: G2NE1207

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434083	EPA 8270E	Fenpropathrin	0.27	U	ng/L	P434554	
		Gamma-BHC	0.14	U	ng/L	P434554	
		Gamma-Chlordane	0.47	I J	ng/L	P434554	RPD
		Heptachlor	0.22	U	ng/L	P434554	
		Heptachlor Epoxide	0.27	U	ng/L	P434554	
		Hexachlorobenzene**	1.1	U	ng/L	P434554	
		Kepone	15	UJ	ng/L	P434554	CCV
		Lambda-Cyhalothrin	0.82	U	ng/L	P434554	
		Methoprene	0.82	U	ng/L	P434554	
		Methoxychlor	0.33	U	ng/L	P434554	
		MGK-264	1.0	I V J	ng/L	P434554	LCS
		Mirex	0.38	U	ng/L	P434554	
		Oxychlordane	0.33	U	ng/L	P434554	
		Permethrin	9.5	J	ng/L	P434554	MS
		Phenothrin	0.99	U	ng/L	P434554	
		Piperonyl Butoxide	0.67	I V	ng/L	P434554	
		Prallethrin	2.2	U	ng/L	P434554	
		Tau-Fluvalinate	0.27	U	ng/L	P434554	
		Tetramethrin	0.82	U	ng/L	P434554	
		Trans-Nonachlor	0.22	U	ng/L	P434554	
		Triclosan Methyl	0.16	U	ng/L	P434554	
		Trifluralin	0.22	U	ng/L	P434554	
		Chlordane	2.2	U	ng/L	P434554	
		Toxaphene	16	U	ng/L	P434554	
2434084	EPA 8270E	Oxybenzone**	10	U	ng/L	P434499	
		Acetochlor	0.21	U	ng/L	P434499	
		Octinoxate**	150	U	ng/L	P434499	
		Alachlor	0.41	U	ng/L	P434499	
		Avobenzone**	100	U	ng/L	P434499	
		Ametryn	1.1	U	ng/L	P434499	
		Atrazine	19		ng/L	P434499	
		PBDE-47**	4.1	U	ng/L	P434499	
		Atrazine Desethyl	4.6	I	ng/L	P434499	
		PBDE-99**	5.2	U	ng/L	P434499	
		Azinphos Methyl	3.1	U	ng/L	P434499	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P434499	
		Azoxystrobin	1.1	I	ng/L	P434499	
		Bromacil	1.2	I	ng/L	P434499	
		2-Ethylhexyl	12	U	ng/L	P434499	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.21	UJ	ng/L	P434499	RPD
		Dechlorane Plus**	31	U	ng/L	P434499	
		Caffeine**	24	I	ng/L	P434499	
		Dechlorane 602**	5.2	U	ng/L	P434499	
		Carbophenothion	0.52	U	ng/L	P434499	

Field ID: G2NE1207

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434084	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P434499	
		Carfentrazone Ethyl	0.15	U	ng/L	P434499	
		Hexabromobenzene**	6.2	U	ng/L	P434499	
		Chlorfenapyr	0.31	U	ng/L	P434499	
		PBB-153**	8.2	UJ	ng/L	P434499	RPD
		Chlorpyrifos Ethyl	0.31	U	ng/L	P434499	
		Pentabromotoluene**	3.1	U	ng/L	P434499	
		Chlorpyrifos Methyl	0.10	UJ	ng/L	P434499	MS
		Tris(2-chloroethyl) phosphate (TCEP)**	72	U	ng/L	P434499	
		Coumaphos	1.1	U	ng/L	P434499	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	96		ng/L	P434499	
		Cyanazine	5.2	U	ng/L	P434499	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	6.1	I	ng/L	P434499	
		Cyprodinil	0.21	U	ng/L	P434499	
		Tetradecachloro-m-terphenyl**	7.7	U	ng/L	P434499	
		Demeton	3.6	U	ng/L	P434499	
		Diazinon	0.13	U	ng/L	P434499	
		Difenoconazole	0.62	U	ng/L	P434499	
		Dimethenamid	0.10	U	ng/L	P434499	
		Dimethomorph	0.31	U	ng/L	P434499	
		Disulfoton	0.62	U	ng/L	P434499	
		Dithiopyr	1.0	U	ng/L	P434499	
		EPTC	0.52	UJ	ng/L	P434499	RPD
		Ethion	0.31	U	ng/L	P434499	
		Ethoprop	0.13	U	ng/L	P434499	
		Etridiazole	0.10	U	ng/L	P434499	
		Fenamiphos	0.46	U	ng/L	P434499	
		Fenbuconazole	0.52	U	ng/L	P434499	
		Fipronil	1.9		ng/L	P434499	
		Fipronil Desulfinyl**	1.0		ng/L	P434499	
		Fipronil Sulfide	0.92		ng/L	P434499	
		Fipronil Sulfone	1.6		ng/L	P434499	
		Fluazifop-P-butyl	0.10	U	ng/L	P434499	
		Fludioxonil	0.50	I	ng/L	P434499	
		Flumioxazin	3.1	U	ng/L	P434499	
		Flutolanil	0.10	U	ng/L	P434499	
		Fluxapyroxad	0.26	UJ	ng/L	P434499	RPD
		Fonofos	0.15	U	ng/L	P434499	
		Hexazinone	0.52	U	ng/L	P434499	
		Imazalil	0.67	U	ng/L	P434499	
		Iprodione	0.52	UJ	ng/L	P434499	CCV, RPD
		Loratadine**	0.31	U	ng/L	P434499	
		Malathion	0.36	U	ng/L	P434499	
		Metalaxyl	0.52	U	ng/L	P434499	

Field ID: G2NE1207

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434084	EPA 8270E	Metolachlor	12		ng/L	P434499	
		Metribuzin	6.0		ng/L	P434499	
		Mevinphos	1.0	U	ng/L	P434499	
		Molinate	0.26	UJ	ng/L	P434499	RPD
		Myclobutanil	0.47	I	ng/L	P434499	
		Naled	2.6	U	ng/L	P434499	
		Napropamide	0.72	U	ng/L	P434499	
		Norflurazon	1.0	U	ng/L	P434499	
		Oxadiazon	0.83	I	ng/L	P434499	
		Oxyfluorfen	0.21	U	ng/L	P434499	
		Parathion Ethyl	0.15	U	ng/L	P434499	
		Parathion Methyl	0.21	U	ng/L	P434499	
		Pendimethalin	0.77	U	ng/L	P434499	
		Phenytol**	5.5	U	ng/L	P434499	
		Phorate	0.26	U	ng/L	P434499	
		Prodiamine	0.21	U	ng/L	P434499	
		Prometon	28		ng/L	P434499	
		Prometryn	0.36	U	ng/L	P434499	
		Pronamide	0.10	U	ng/L	P434499	
		Propanil	0.10	U	ng/L	P434499	
		Propargite	0.82	U	ng/L	P434499	
		Propiconazole	1.3	I	ng/L	P434499	
		Pyraflufen Ethyl	0.31	U	ng/L	P434499	
		Pyridaben	1.4	U	ng/L	P434499	
		Pyriproxyfen	0.26	U	ng/L	P434499	
		Simazine	4.8		ng/L	P434499	
		Stirophos	0.41	U	ng/L	P434499	
		Sulfentrazone	2.7	I J	ng/L	P434499	RPD
		Tebuconazole	2.6	I	ng/L	P434499	
		Terbufos	0.21	U	ng/L	P434499	
		Terbuthylazine	0.21	U	ng/L	P434499	
		Thiobencarb	0.52	U	ng/L	P434499	
		Triadimefon	0.15	U	ng/L	P434499	

Ref. Method and Comment:

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

EPA 8321B: Matrix spikes are not available due to technical difficulties.

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

EPA 8270E: V - Due to the presence of MGK-264 and piperonyl butoxide in both the Method Blank and the sample. Insufficient sample available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

EPA 8270E: Insufficient sample available to perform duplicate matrix spikes.

EPA 8276: Insufficient sample available to perform duplicate matrix spikes.

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

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

Sample Location: Tributary to Trout at Capper Rd

Collection Date/Time: 08/28/2023 10:35

Field ID: G2NE1208

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434062	DEP SOP: NU-094-1	Color (true)	55		PCU	P434491	
	EPA 180.1 Rev. 2.0	Turbidity	7.6	A	NTU	P434496	
	EPA 300.0 Rev. 2.1	Chloride	31		mg Cl/L	P434603	
		Sulfate	13		mg SO4/L	P434606	
	SM 2320 B-2011	Total Alkalinity	110		mg CaCO3/L	P434707	
	SM 2540 C-2015	TDS	207		mg/L	P434781	
	SM 2540 D-2015	TSS	5	I	mg/L	P434782	
2434063	SM 4500-F- C-2011	Fluoride	0.16		mg F/L	P434710	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.22		mg N/L	P434682	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.64		mg N/L	P434762	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.20		mg N/L	P434866	
	EPA 365.1 Rev. 2.0	Total-P	0.20		mg P/L	P434527	
2434080	SM 5310 B-2011	Organic Carbon	6.7		mg C/L	P434775	
	EPA 8321B	2,4-D	0.0024	I	ug/L	P434478	
		Acesulfame K	0.29	I	ug/L	P434463	
		2,4,5-T	0.0040	U	ug/L	P434478	
		AMPA	0.10	U	ug/L	P434463	
		Acetaminophen	0.0080	U	ug/L	P434478	
		Acetamiprid	0.0020	U	ug/L	P434478	
		Endothall	0.25	U	ug/L	P434463	
		Glufosinate	0.10	U	ug/L	P434463	
		Glyphosate	0.10	U	ug/L	P434463	
		Afidopyropen	0.0020	U	ug/L	P434478	
		Bentazon	0.0065		ug/L	P434478	
		Sucralose	0.55		ug/L	P434463	
		Benzovindiflupyr	0.0020	U	ug/L	P434478	
		Carbamazepine	0.0025	I	ug/L	P434478	
		Clothianidin	0.0020	U	ug/L	P434478	
		Dinotefuran	0.0020	U	ug/L	P434478	
		Diuron	0.0044	I	ug/L	P434478	
		Fenuron	0.032	U	ug/L	P434478	
		Fluridone	0.0066		ug/L	P434478	
		Imazapyr	0.10		ug/L	P434478	
		Hydrocodone	0.0020	U	ug/L	P434478	
		Ibuprofen	0.080	U	ug/L	P434478	
		Imidacloprid	0.0084		ug/L	P434478	
		Linuron	0.0040	U	ug/L	P434478	
		Mandestrobin	0.0020	U	ug/L	P434478	
		MCP	0.0020	U	ug/L	P434478	
		Naproxen	0.022	I	ug/L	P434478	
		Primidone	0.0040	U	ug/L	P434478	
		Pyraclostrobin	0.0020	U	ug/L	P434478	
		Silvex	0.0040	U	ug/L	P434478	
		Thiamethoxam	0.0020	U	ug/L	P434478	

Field ID: G2NE1208

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434080	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P434478	
		Triclopyr	0.0040	U	ug/L	P434478	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for imazapyr could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Little Trout River at Old Kings Rd

Collection Date/Time: 08/28/2023 11:00

Field ID: 20030739

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434060	DEP SOP: NU-094-1	Color (true)	460		PCU	P434491	
	EPA 180.1 Rev. 2.0	Turbidity	3.5		NTU	P434495	
	EPA 300.0 Rev. 2.1	Chloride	16		mg Cl/L	P434603	
		Sulfate	1.7		mg SO4/L	P434606	
	SM 2320 B-2011	Total Alkalinity	26		mg CaCO3/L	P434707	
	SM 2540 C-2015	TDS	159		mg/L	P434781	
	SM 2540 D-2015	TSS	3	I	mg/L	P434782	
2434061	SM 4500-F- C-2011	Fluoride	0.058	I	mg F/L	P434710	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.055		mg N/L	P434682	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.4		mg N/L	P434762	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.094		mg N/L	P434871	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P434527	
2434079	SM 5310 B-2011	Organic Carbon	41		mg C/L	P434775	
	EPA 8321B	2,4-D	0.0020	I	ug/L	P434478	
		Acesulfame K	0.12	I	ug/L	P434463	
		2,4,5-T	0.0040	U	ug/L	P434478	
		AMPA	0.10	U	ug/L	P434463	
		Acetaminophen	0.0080	U	ug/L	P434478	
		Acetamiprid	0.0020	U	ug/L	P434478	
		Endothall	0.25	U	ug/L	P434463	
		Glufosinate	0.10	U	ug/L	P434463	
		Glyphosate	0.10	U	ug/L	P434463	
		Afidopyropen	0.0020	U	ug/L	P434478	
		Bentazon	8.0E-04	U	ug/L	P434478	
		Sucralose	0.065		ug/L	P434463	
		Benzovindiflupyr	0.0020	U	ug/L	P434478	
		Carbamazepine	8.0E-04	U	ug/L	P434478	
		Clothianidin	0.0020	U	ug/L	P434478	
		Dinotefuran	0.0020	U	ug/L	P434478	
		Diuron	0.0020	U	ug/L	P434478	
		Fenuron	0.032	U	ug/L	P434478	
		Fluridone	0.0020	I	ug/L	P434478	
		Imazapyr	0.022		ug/L	P434478	
		Hydrocodone	0.0020	U	ug/L	P434478	
		Ibuprofen	0.080	U	ug/L	P434478	
		Imidacloprid	0.0020	U	ug/L	P434478	
		Linuron	0.0040	U	ug/L	P434478	
		Mandestrobin	0.0020	U	ug/L	P434478	
		MCPP	0.0020	U	ug/L	P434478	
		Naproxen	0.0080	U	ug/L	P434478	
		Primidone	0.0040	U	ug/L	P434478	
		Pyraclostrobin	0.0020	U	ug/L	P434478	
		Silvex	0.0040	U	ug/L	P434478	
		Thiamethoxam	0.0020	U	ug/L	P434478	

Field ID: 20030739

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434079	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P434478	
		Triclopyr	0.0040	U	ug/L	P434478	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for imazapyr could not be assessed due to high concentration of parameter in the spiked sample.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P434491

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434495

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434496

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434682

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434762

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434755

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434866

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434871

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434527

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434663

Component	Result	Code	Units
Total-P	0.010	U	mg P/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434768

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

Reference Method: EPA 8270E
Batch ID: P434499

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P434499

Component	Result	Code	Units
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
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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P434499

Component	Result	Code	Units
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
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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P434499

Component	Result	Code	Units
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
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiatone	0.20	U	ng/L
Prodiatone	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
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
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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P434499

Component	Result	Code	Units
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L
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: P434554

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.80	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P434554

Component	Result	Code	Units
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
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	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	1.0		ng/L
MGK-264	0.63	I	ng/L
Mirex	0.35	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P434554

Component	Result	Code	Units
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.18	I	ng/L
Piperonyl Butoxide	0.22	I	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276
Batch ID: P434554

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: P434463

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P434463

Component	Result	Code	Units
Sucralose	0.010	U	ug/L

Reference Method: EPA 8321B
Batch ID: P434478

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
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B
Batch ID: P434519

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B

Batch ID: P434519

Component	Result	Code	Units
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Methiocarb	0.0020	U	ug/L
Methomyl	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Oxamyl	0.0020	U	ug/L
Primidone	0.0040	U	ug/L
Propoxur	0.0020	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: P434550

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

Reference Method: SM 2320 B-2011

Batch ID: P434707

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

Reference Method: SM 2540 C-2015

Batch ID: P434781

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015

Batch ID: P434782

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011

Batch ID: P434552

Component	Result	Code	Units
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Quality Assurance Report

Method Blank Results

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 4500-F- C-2011
Batch ID: P434710

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P434775

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: P434491

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434495

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	97.5		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434496

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	97.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434682

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434762

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434755

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434866

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	98.0		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434871

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	101		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434527

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434663

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434768

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	106		P	90 - 110

Reference Method: EPA 8270E
Batch ID: P434499

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	95.6		P	42 - 162
Acetochlor	75.8		P	69 - 123
Alachlor	79.3		P	65 - 118
Ametryn	93.5		P	58 - 141
Atrazine	83.5		P	73 - 118
Atrazine Desethyl	67.8		P	32 - 125
Avobenzone	117		P	40 - 203
Azinphos Methyl	80.1		P	36 - 197
Azoxystrobin	90.7		P	58 - 226
Bromacil	100		P	48 - 120
Butylate	74.3		P	27 - 85.0
Caffeine	108		P	40 - 137
Carbophenothion	87.6		P	54 - 132
Carfentrazone Ethyl	91.4		P	60 - 142
Chlorfenapyr	77.4		P	53 - 117
Chlorpyrifos Ethyl	72.0		P	59 - 116

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P434499

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorpyrifos Methyl	75.7		P	66 - 119
Coumaphos	98.7		P	11 - 234
Cyanazine	91.6		P	61 - 248
Cyprodinil	109		P	50 - 147
Dechlorane 602	97.3		P	50 - 150
Dechlorane 603	106		P	50 - 150
Dechlorane Plus	112		P	47 - 182
Demeton	61.7		P	30 - 138
Diazinon	88.9		P	67 - 126
Difenoconazole	90.0		P	38 - 205
Dimethenamid	96.2		P	57 - 111
Dimethomorph	77.7		P	16 - 212
Disulfoton	77.4		P	46 - 126
Dithiopyr	89.2		P	62 - 115
EPTC	70.2		P	28 - 80.0
Ethion	77.2		P	24 - 122
Ethoprop	94.6		P	62 - 113
Etridiazole	66.7		P	28 - 92.0
Fenamiphos	81.1		P	57 - 128
Fenbuconazole	90.4		P	52 - 155
Fipronil	81.8		P	63 - 130
Fipronil Desulfinyl	98.4		P	61 - 130
Fipronil Sulfide	90.8		P	56 - 117
Fipronil Sulfone	94.9		P	52 - 118
Fluazifop-P-butyl	84.1		P	61 - 128
Fludioxonil	88.2		P	59 - 129
Flumioxazin	90.8		P	30 - 250
Flutolanil	79.2		P	53 - 127
Fluxapyroxad	78.7		P	42 - 132
Fonofos	70.6		P	61 - 110
Hexabromobenzene	94.1		P	50 - 150
Hexazinone	88.6		P	46 - 139
Imazalil	65.9		P	40 - 139
Iprodione	68.7		P	40 - 146
Loratadine	74.6		P	10 - 224
Malathion	77.0		P	61 - 135
Metaxyl	86.5		P	58 - 121
Metolachlor	93.5		P	64 - 118
Metribuzin	102		P	45 - 245
Mevinphos	110		P	49 - 118
Molinate	64.4		P	42 - 92.0
Myclobutanil	84.1		P	55 - 127
Naled	64.2		P	10 - 114
Napropamide	83.4		P	39 - 121
Norflurazon	92.3		P	55 - 129
Octinoxate	110		P	26 - 166
Oxadiazon	87.3		P	54 - 115
Oxybenzone	106		P	49 - 135
Oxyfluorfen	95.4		P	64 - 139
Parathion Ethyl	88.8		P	70 - 111
Parathion Methyl	76.5		P	76 - 136
PBB-153	106		P	50 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P434499

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PBDE-47	91.9		P	41 - 148
PBDE-99	103		P	38 - 147
Pendimethalin	80.6		P	52 - 118
Pentabromotoluene	92.4		P	50 - 150
Phenytoin	82.7		P	10 - 162
Phorate	65.0		P	40 - 122
Prodiamine	82.7		P	26 - 141
Prometon	95.6		P	54 - 122
Prometryn	90.6		P	61 - 128
Pronamide	87.4		P	72 - 121
Propanil	97.3		P	45 - 144
Propargite	85.6		P	10 - 199
Propiconazole	73.4		P	56 - 127
Pyraflufen Ethyl	86.2		P	56 - 140
Pyridaben	87.1		P	26 - 211
Pyriproxyfen	94.0		P	33 - 194
Simazine	84.3		P	67 - 121
Stirophos	74.2		P	20 - 142
Sulfentrazone	107		P	21 - 144
Tebuconazole	88.5		P	10 - 122
Terbufos	77.3		P	60 - 129
Terbutylazine	79.8		P	69 - 113
Tetradecachloro-m-terphenyl	113		P	70 - 200
Thiobencarb	86.2		P	51 - 120
Tri-o-cresyl Phosphate	106		P	49 - 150
Triadimefon	92.4		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	111		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	110		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	118		P	70 - 180

Reference Method: EPA 8270E

Batch ID: P434554

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	40.9	34.6	P/P	30 - 96.0
Alpha-BHC	75.8	75.2	P/P	70 - 109
Alpha-Chlordane	89.4	72.9	P/P	45 - 107
Beta-BHC	87.2	83.0	P/P	64 - 138
Beta-Cyfluthrin	42.2	39.9	P/P	17 - 141
Bifenthrin	33.6	37.5	P/P	10 - 113
Chlorothalonil	90.3	81.4	P/P	26 - 180
Cis-Nonachlor	81.3	83.1	P/P	37 - 102
Cypermethrin	41.4	38.6	P/P	20 - 133
Dacthal	85.5	63.2	P/F	69 - 114
DDD-p,p'	59.8	63.3	P/P	42 - 105
DDE-p,p'	62.0	58.8	P/P	42 - 106
DDT-p,p'	61.2	60.3	P/P	42 - 107
Delta-BHC	85.6	84.3	P/P	67 - 144
Deltamethrin	41.3	36.8	P/P	15 - 149
Dichlobenil	71.6	69.0	P/P	46 - 117
Dicofol	73.0	75.4	P/P	34 - 114
Dieldrin	64.0	60.6	P/P	50 - 108

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P434554

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Endosulfan I	73.1	59.7	P/P	55 - 104
Endosulfan II	77.1	71.7	P/P	51 - 111
Endosulfan Sulfate	61.9	65.1	P/P	56 - 121
Endrin	61.8	58.7	P/P	10 - 106
Endrin Aldehyde	59.5	53.3	P/P	34 - 114
Endrin Ketone	83.1	59.5	P/F	63 - 177
Esfenvalerate	68.8	57.5	P/P	29 - 143
Ethalfuralin	67.9	59.3	P/P	46 - 96.0
Fenpropathrin	56.4	64.7	P/P	28 - 115
Gamma-BHC	91.8	86.1	P/P	65 - 121
Gamma-Chlordane	76.7	55.5	P/P	39 - 103
Heptachlor	53.1	43.6	P/P	39 - 94.0
Heptachlor Epoxide	77.8	75.5	P/P	54 - 104
Hexachlorobenzene	55.7	58.2	P/P	36 - 100
Kepone	79.7	53.3	P/P	10 - 225
Lambda-Cyhalothrin	35.4	38.8	P/P	10 - 135
Methoprene	79.2	71.7	P/P	10 - 109
Methoxychlor	68.5	71.9	P/P	52 - 112
MGK-264	115	118	P/F	44 - 117
Mirex	30.7	32.2	P/P	20 - 90.0
Oxychlordane	59.1	55.5	P/P	44 - 102
PCB-1016	66.0	63.4	P/P	45 - 107
PCB-1260	61.8	58.0	P/P	40 - 118
Permethrin	52.5	48.6	P/P	18 - 135
Phenothrin	29.3	30.2	P/P	10 - 102
Piperonyl Butoxide	76.7	76.0	P/P	28 - 156
Prallethrin	78.2	58.2	P/P	28 - 113
Tau-Fluvalinate	31.1	26.7	P/P	10 - 123
Tetramethrin	74.7	79.7	P/P	18 - 158
Trans-Nonachlor	88.3	81.8	P/P	39 - 104
Triclosan Methyl	74.3	70.5	P/P	54 - 108
Trifluralin	67.5	60.4	P/P	46 - 97.0

Reference Method: EPA 8276
Batch ID: P434554

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	72.2	67.1	P/P	52 - 117
Toxaphene	79.5	75.5	P/P	44 - 125

Reference Method: EPA 8321B
Batch ID: P434463

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	144		P	40 - 150
AMPA	78.0		P	40 - 150
Endothall	106		P	40 - 150
Glufosinate	86.1		P	40 - 150
Glyphosate	105		P	40 - 150
Sucralose	96.1		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P434478

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	81.4		P	40 - 150
2,4,5-T	77.4		P	40 - 150
Acetaminophen	86.6		P	30 - 150
Acetamiprid	103		P	40 - 150
Afidopyropen	85.7		P	30 - 150
Bentazon	119		P	30 - 150
Benzovindiflupyr	93.2		P	40 - 150
Carbamazepine	92.8		P	40 - 150
Clothianidin	99.4		P	40 - 150
Dinotefuran	90.0		P	40 - 150
Diuron	82.9		P	40 - 150
Fenuron	120		P	40 - 150
Fluridone	84.0		P	40 - 150
Hydrocodone	109		P	40 - 150
Ibuprofen	83.8		P	40 - 150
Imazapyr	76.3		P	40 - 150
Imidacloprid	87.2		P	40 - 150
Linuron	76.4		P	40 - 150
Mandestrobin	101		P	40 - 150
MCPP	85.1		P	40 - 150
Naproxen	78.3		P	40 - 150
Primidone	88.5		P	40 - 150
Pyraclostrobin	83.8		P	40 - 150
Silvex	83.2		P	40 - 150
Thiamethoxam	101		P	40 - 150
Tolfenpyrad	46.3		P	30 - 150
Triclopyr	84.3		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P434519

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	86.3	89.9	P/P	40 - 150
2,4,5-T	72.2	84.0	P/P	40 - 150
3-Hydroxycarbofuran	92.7	99.1	P/P	40 - 150
Acetaminophen	87.4	90.1	P/P	30 - 150
Acetamiprid	105	110	P/P	40 - 150
Afidopyropen	68.5	76.4	P/P	30 - 150
Aldicarb	77.8	82.2	P/P	30 - 150
Aldicarb Sulfone	92.0	93.5	P/P	40 - 150
Aldicarb Sulfoxide	109	109	P/P	40 - 150
Bentazon	128	126	P/P	30 - 150
Benzovindiflupyr	89.4	90.4	P/P	40 - 150
Carbamazepine	100	99.4	P/P	40 - 150
Carbaryl	81.8	83.4	P/P	40 - 150
Carbofuran	96.4	93.0	P/P	40 - 150
Clothianidin	101	99.8	P/P	40 - 150
Dinotefuran	91.8	93.5	P/P	40 - 150
Diuron	78.5	83.9	P/P	40 - 150
Fenuron	102	124	P/P	40 - 150
Fluridone	81.3	86.5	P/P	40 - 150
Hydrocodone	111	110	P/P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P434519

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ibuprofen	79.0	82.9	P/P	40 - 150
Imazapyr	81.7	80.3	P/P	40 - 150
Imidacloprid	88.9	88.9	P/P	40 - 150
Linuron	76.1	69.6	P/P	40 - 150
Mandestrobin	101	105	P/P	40 - 150
MCPP	88.0	91.6	P/P	40 - 150
Methiocarb	70.4	77.4	P/P	40 - 150
Methomyl	88.9	90.2	P/P	40 - 150
Naproxen	68.2	58.5	P/P	40 - 150
Oxamyl	94.8	94.6	P/P	40 - 150
Primidone	92.5	91.6	P/P	40 - 150
Propoxur	106	107	P/P	40 - 150
Pyraclostrobin	79.0	84.7	P/P	40 - 150
Silvex	84.3	93.6	P/P	40 - 150
Thiamethoxam	106	108	P/P	40 - 150
Tolfenpyrad	43.0	48.1	P/P	30 - 150
Triclopyr	81.7	88.2	P/P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P434550

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.4		P	92 - 105

Reference Method: SM 2320 B-2011
Batch ID: P434707

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

Reference Method: SM 2540 C-2015
Batch ID: P434781

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	97.6		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P434782

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	93.1		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.9		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P434710

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

Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P434710

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.3		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P434775

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	93.6		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433817	Chloride	99.4		P	90 - 110
2433896	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433817	Sulfate	97.0		P	90 - 110
2433896	Sulfate	98.7		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433934	Ammonia-N	101	102	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434682

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434027	Ammonia-N	98.4	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434762

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434014	Kjeldahl Nitrogen	102	91.7	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434152	Kjeldahl Nitrogen	102	98.1	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434755

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2432938	NO2NO3-N	97.4	97.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434866

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434063	NO2NO3-N	96.0	96.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434871

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433643	NO2NO3-N	92.1	91.6	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434527

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434014	Total-P	107	107	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434663

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434175	Total-P	106	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434768

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434597	Total-P	96.1	97.5	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P434499

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434084	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	87.8	113	P/P	26 - 165
2434084	Acetochlor	84.1	67.2	P/P	67 - 124
2434084	Alachlor	85.9	99.8	P/P	60 - 120
2434084	Ametryn	124	105	P/P	54 - 216
2434084	Atrazine Desethyl	85.1	94.1	P/P	15 - 122
2434084	Avobenzone	129	116	P/P	37 - 178
2434084	Azinphos Methyl	132	111	P/P	40 - 292
2434084	Azoxystrobin	108	94.5	P/P	35 - 220
2434084	Bromacil	104	90.2	P/P	45 - 127
2434084	Butylate	37.1	61.9	P/P	20 - 83.0
2434084	Caffeine	145	119	P/P	10 - 194
2434084	Carbophenothion	109	102	P/P	57 - 127
2434084	Carfentrazone Ethyl	90.6	70.7	P/P	51 - 141
2434084	Chlorfenapyr	63.6	54.0	P/P	46 - 111
2434084	Chlorpyrifos Ethyl	67.6	65.8	P/P	52 - 120
2434084	Chlorpyrifos Methyl	114	124	P/F	63 - 119
2434084	Coumaphos	140	145	P/P	10 - 228
2434084	Cyanazine	110	89.8	P/P	59 - 241
2434084	Cyprodinil	128	121	P/P	47 - 146
2434084	Dechlorane 602	65.9	77.4	P/P	50 - 150
2434084	Dechlorane 603	88.6	106	P/P	50 - 150
2434084	Dechlorane Plus	75.0	85.5	P/P	50 - 150
2434084	Demeton	73.2	83.5	P/P	40 - 136
2434084	Diazinon	98.8	83.3	P/P	69 - 132
2434084	Difenoconazole	129	125	P/P	57 - 258
2434084	Dimethenamid	100	108	P/P	54 - 110
2434084	Dimethomorph	189	149	P/P	28 - 210
2434084	Disulfoton	104	81.4	P/P	43 - 133
2434084	Dithiopyr	80.2	64.7	P/P	39 - 116
2434084	EPTC	29.5	53.6	P/P	20 - 78.0
2434084	Ethion	40.4	53.3	P/P	17 - 119
2434084	Ethoprop	91.4	96.4	P/P	66 - 120
2434084	Etridiazole	45.1	44.9	P/P	28 - 96.0
2434084	Fenamiphos	81.2	89.4	P/P	41 - 126

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P434499

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434084	Fenbuconazole	92.7	89.2	P/P	42 - 169
2434084	Fipronil	95.3	88.0	P/P	61 - 132
2434084	Fipronil Desulfinyl	94.1	91.0	P/P	56 - 132
2434084	Fipronil Sulfide	93.7	83.6	P/P	48 - 119
2434084	Fipronil Sulfone	104	84.3	P/P	42 - 131
2434084	Fluazifop-P-butyl	82.5	59.3	P/P	53 - 131
2434084	Fludioxonil	89.3	93.4	P/P	56 - 127
2434084	Flumioxazin	166	141	P/P	19 - 300
2434084	Flutolanil	57.6	54.4	P/P	41 - 127
2434084	Fluxapyroxad	57.2	105	P/P	42 - 172
2434084	Fonofos	90.6	69.2	P/P	59 - 113
2434084	Hexabromobenzene	99.7	116	P/P	50 - 150
2434084	Hexazinone	95.4	105	P/P	66 - 122
2434084	Imazalil	83.2	82.4	P/P	21 - 283
2434084	Iprodione	87.3	144	P/P	43 - 150
2434084	Loratadine	154	106	P/P	23 - 201
2434084	Malathion	86.4	82.2	P/P	58 - 136
2434084	Metalaxyl	85.2	76.1	P/P	55 - 120
2434084	Metolachlor	69.0	92.6	P/P	57 - 121
2434084	Metribuzin	110	101	P/P	58 - 294
2434084	Mevinphos	98.5	86.8	P/P	50 - 126
2434084	Molinate	46.5	70.5	P/P	42 - 93.0
2434084	Myclobutanil	86.5	71.4	P/P	55 - 125
2434084	Naled	34.0	35.0	P/P	18 - 200
2434084	Napropamide	60.6	60.9	P/P	39 - 110
2434084	Norflurazon	75.3	65.5	P/P	48 - 128
2434084	Octinoxate	114	118	P/P	21 - 159
2434084	Oxadiazon	69.7	56.6	P/P	43 - 112
2434084	Oxybenzone	113	119	P/P	41 - 142
2434084	Oxyfluorfen	107	85.4	P/P	64 - 153
2434084	Parathion Ethyl	81.2	91.2	P/P	69 - 114
2434084	Parathion Methyl	115	87.1	P/P	79 - 139
2434084	PBB-153	92.2	126	P/P	50 - 150
2434084	PBDE-47	90.9	103	P/P	27 - 144
2434084	PBDE-99	83.6	102	P/P	18 - 150
2434084	Pendimethalin	83.2	86.0	P/P	50 - 139
2434084	Pentabromotoluene	102	108	P/P	50 - 150
2434084	Phenytoin	62.4	69.9	P/P	10 - 146
2434084	Phorate	96.3	93.2	P/P	54 - 161
2434084	Prodiamine	37.6	46.5	P/P	30 - 161
2434084	Prometryn	125	135	P/P	45 - 137
2434084	Pronamide	99.3	84.6	P/P	65 - 133
2434084	Propanil	114	98.6	P/P	49 - 142
2434084	Propargite	56.1	57.0	P/P	10 - 203
2434084	Propiconazole	59.4	47.9	P/P	38 - 146
2434084	Pyraflufen Ethyl	87.3	73.3	P/P	34 - 153
2434084	Pyridaben	127	95.1	P/P	12 - 192
2434084	Pyriproxyfen	88.1	83.3	P/P	33 - 180
2434084	Simazine	100	96.2	P/P	51 - 157
2434084	Stirophos	29.2	42.7	P/P	10 - 128
2434084	Sulfentrazone	82.5	166	P/P	53 - 186
2434084	Tebuconazole	44.3	65.4	P/P	10 - 133

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P434499

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434084	Terbufos	123	109	P/P	65 - 139
2434084	Terbutylazine	74.0	68.4	P/P	66 - 117
2434084	Tetradecachloro-m-terphenyl	81.0	79.9	P/P	70 - 200
2434084	Thiobencarb	80.0	70.3	P/P	51 - 119
2434084	Tri-o-cresyl Phosphate	96.6	109	P/P	31 - 144
2434084	Triadimefon	76.2	65.2	P/P	48 - 119
2434084	Tris(1-chloro-2-propyl) phosphate (TCPP)	111	102	P/P	50 - 150
2434084	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	96.8	101	P/P	50 - 150
2434084	Tris(2-chloroethyl) phosphate (TCEP)	113	108	P/P	70 - 180

Reference Method: EPA 8270E

Batch ID: P434554

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434083	Aldrin	54.1		P	24 - 81.0
2434083	Alpha-BHC	82.5		P	65 - 110
2434083	Alpha-Chlordane	48.8		P	43 - 119
2434083	Beta-BHC	58.9		P	54 - 165
2434083	Beta-Cyfluthrin	71.2		P	27 - 165
2434083	Bifenthrin	73.6		P	17 - 117
2434083	Chlorothalonil	83.5		P	10 - 255
2434083	Cis-Nonachlor	55.0		P	34 - 98.0
2434083	Cypermethrin	71.9		P	25 - 143
2434083	Dacthal	70.4		P	55 - 139
2434083	DDD-p,p'	61.4		P	30 - 109
2434083	DDE-p,p'	63.3		P	35 - 106
2434083	DDT-p,p'	56.4		P	41 - 101
2434083	Delta-BHC	74.1		P	58 - 165
2434083	Deltamethrin	75.3		P	10 - 194
2434083	Dichlobenil	36.3		P	22 - 114
2434083	Dicofol	71.2		P	17 - 133
2434083	Dieldrin	65.8		P	45 - 129
2434083	Endosulfan I	78.1		P	49 - 104
2434083	Endosulfan II	62.4		P	37 - 117
2434083	Endosulfan Sulfate	49.4		P	38 - 128
2434083	Endrin	65.1		P	35 - 116
2434083	Endrin Aldehyde	31.6		P	19 - 108
2434083	Endrin Ketone	44.6		P	44 - 134
2434083	Esfenvalerate	118		P	27 - 176
2434083	Ethalfuralin	60.7		P	49 - 100
2434083	Fenpropathrin	68.8		P	34 - 117
2434083	Gamma-BHC	73.9		P	59 - 129
2434083	Gamma-Chlordane	63.7		P	33 - 107
2434083	Heptachlor	66.7		P	37 - 94.0
2434083	Heptachlor Epoxide	47.3		P	38 - 118
2434083	Hexachlorobenzene	67.5		P	35 - 97.0
2434083	Kepone	60.1		P	10 - 221
2434083	Lambda-Cyhalothrin	72.6		P	23 - 190
2434083	Methoprene	87.9		P	21 - 109
2434083	Methoxychlor	61.6		P	46 - 118
2434083	MGK-264	99.3		P	39 - 122
2434083	Mirex	54.0		P	25 - 90.0

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P434554

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434083	Oxychlordane	83.0		P	42 - 100
2434083	PCB-1016	64.1		P	45 - 107
2434083	PCB-1260	70.9		P	40 - 112
2434083	Permethrin	16.5		F	33 - 181
2434083	Phenothrin	66.5		P	12 - 125
2434083	Piperonyl Butoxide	86.1		P	10 - 178
2434083	Prallethrin	72.6		P	24 - 122
2434083	Tau-Fluvalinate	75.8		P	13 - 151
2434083	Tetramethrin	90.1		P	16 - 172
2434083	Trans-Nonachlor	54.1		P	39 - 100
2434083	Triclosan Methyl	68.8		P	43 - 110
2434083	Trifluralin	65.0		P	45 - 94.0

Reference Method: EPA 8276

Batch ID: P434554

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434083	Chlordane	79.0		P	43 - 123
2434083	Toxaphene	91.7		P	27 - 156

Reference Method: EPA 8321B

Batch ID: P434463

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433993	Acesulfame K	136	136	P/P	40 - 150
2433993	AMPA	60.3	63.5	P/P	40 - 150
2433993	Endothall	116	118	P/P	40 - 150
2433993	Glufosinate	68.1	71.5	P/P	40 - 150
2433993	Glyphosate	88.0	96.3	P/P	40 - 150
2433993	Sucralose	112	104	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P434478

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434080	2,4-D	102	115	P/P	40 - 150
2434080	2,4,5-T	111	128	P/P	40 - 150
2434080	Acetaminophen	109	124	P/P	30 - 150
2434080	Acetamiprid	81.0	86.6	P/P	40 - 150
2434080	Afidopyropen	75.4	78.5	P/P	30 - 150
2434080	Bentazon	62.4	71.0	P/P	30 - 150
2434080	Benzovindiflupyr	94.8	106	P/P	40 - 150
2434080	Carbamazepine	68.8	72.7	P/P	40 - 150
2434080	Clothianidin	112	119	P/P	40 - 150
2434080	Dinotefuran	71.8	77.8	P/P	40 - 150
2434080	Diuron	58.9	61.6	P/P	40 - 150
2434080	Fenuron	64.8	73.1	P/P	40 - 150
2434080	Fluridone	61.7	73.4	P/P	40 - 150
2434080	Hydrocodone	78.8	79.8	P/P	40 - 150
2434080	Ibuprofen	73.7	69.4	P/P	40 - 150
2434080	Imidacloprid	124	132	P/P	40 - 150
2434080	Linuron	60.9	61.9	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P434478

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434080	Mandestrobin	93.8	101	P/P	40 - 150
2434080	MCPP	116	133	P/P	40 - 150
2434080	Naproxen	56.1	66.3	P/P	40 - 150
2434080	Primidone	87.2	95.6	P/P	40 - 150
2434080	Pyraclostrobin	89.9	103	P/P	40 - 150
2434080	Silvex	119	136	P/P	40 - 150
2434080	Thiamethoxam	97.7	99.9	P/P	40 - 150
2434080	Tolfenpyrad	58.5	66.8	P/P	30 - 150
2434080	Triclopyr	121	123	P/P	40 - 150

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2432583	Fluoride	102	102	P/P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P434710

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434064	Fluoride	99.2	99.8	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P434775

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434444	Organic Carbon	93.5	96.1	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P434491

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434022	Color (true)	1.54	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434495

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433788	Turbidity	0.341	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434496

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434062	Turbidity	3.82	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433817	Chloride	0.838	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433817	Sulfate	0.118	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433934	Ammonia-N	0.538	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434682

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434027	Ammonia-N	1.78	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434762

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434014	Kjeldahl Nitrogen	8.68	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434152	Kjeldahl Nitrogen	3.82	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434755

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2432938	NO2NO3-N	0.484	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434866

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434063	NO2NO3-N	0.255	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434871

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433643	NO2NO3-N	0.545	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434527

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434014	Total-P	0.117	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434663

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434175	Total-P	0.944	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434768

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434597	Total-P	1.45	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P434499

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434084	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	24.7	Spike	P	0 - 37
2434084	Acetochlor	22.3	Spike	P	0 - 28

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P434499

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434084	Alachlor	14.9	Spike	P	0 - 30
2434084	Ametryn	16.4	Spike	P	0 - 32
2434084	Atrazine	4.97	Spike	P	0 - 41
2434084	Atrazine Desethyl	8.36	Spike	P	0 - 36
2434084	Avobenzone	10.2	Spike	P	0 - 36
2434084	Azinphos Methyl	18.0	Spike	P	0 - 75
2434084	Azoxystrobin	12.4	Spike	P	0 - 39
2434084	Bromacil	13.1	Spike	P	0 - 33
2434084	Butylate	50.1	Spike	F	0 - 44
2434084	Caffeine	15.4	Spike	P	0 - 74
2434084	Carbophenothion	6.26	Spike	P	0 - 25
2434084	Carfentrazone Ethyl	24.6	Spike	P	0 - 27
2434084	Chlorfenapyr	16.2	Spike	P	0 - 24
2434084	Chlorpyrifos Ethyl	2.69	Spike	P	0 - 26
2434084	Chlorpyrifos Methyl	8.35	Spike	P	0 - 26
2434084	Coumaphos	3.46	Spike	P	0 - 28
2434084	Cyanazine	20.2	Spike	P	0 - 48
2434084	Cyprodinil	5.94	Spike	P	0 - 29
2434084	Dechlorane 602	16.1	Spike	P	0 - 30
2434084	Dechlorane 603	17.8	Spike	P	0 - 30
2434084	Dechlorane Plus	13.1	Spike	P	0 - 30
2434084	Demeton	13.2	Spike	P	0 - 33
2434084	Diazinon	17.0	Spike	P	0 - 29
2434084	Difenoconazole	2.96	Spike	P	0 - 34
2434084	Dimethenamid	7.84	Spike	P	0 - 39
2434084	Dimethomorph	23.7	Spike	P	0 - 51
2434084	Disulfoton	24.1	Spike	P	0 - 30
2434084	Dithiopyr	21.3	Spike	P	0 - 26
2434084	EPTC	58.0	Spike	F	0 - 43
2434084	Ethion	27.5	Spike	P	0 - 79
2434084	Ethoprop	5.34	Spike	P	0 - 29
2434084	Etridiazole	0.580	Spike	P	0 - 33
2434084	Fenamiphos	9.57	Spike	P	0 - 40
2434084	Fenbuconazole	3.81	Spike	P	0 - 74
2434084	Fipronil	6.07	Spike	P	0 - 29
2434084	Fipronil Desulfinyl	2.54	Spike	P	0 - 32
2434084	Fipronil Sulfide	8.61	Spike	P	0 - 30
2434084	Fipronil Sulfone	13.5	Spike	P	0 - 33
2434084	Fluazifop-P-butyl	32.7	Spike	P	0 - 38
2434084	Fludioxonil	3.82	Spike	P	0 - 29
2434084	Flumioxazin	16.3	Spike	P	0 - 51
2434084	Flutolanil	5.79	Spike	P	0 - 25
2434084	Fluxapyroxad	58.8	Spike	F	0 - 45
2434084	Fonofos	26.8	Spike	P	0 - 27
2434084	Hexabromobenzene	15.2	Spike	P	0 - 30
2434084	Hexazinone	9.99	Spike	P	0 - 30
2434084	Imazalil	0.949	Spike	P	0 - 100
2434084	Iprodione	49.3	Spike	F	0 - 33
2434084	Loratadine	36.3	Spike	P	0 - 56
2434084	Malathion	5.02	Spike	P	0 - 37
2434084	Metalaxyl	11.3	Spike	P	0 - 40

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P434499

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434084	Metolachlor	14.1	Spike	P	0 - 29
2434084	Metribuzin	5.48	Spike	P	0 - 45
2434084	Mevinphos	12.7	Spike	P	0 - 29
2434084	Molinate	41.1	Spike	F	0 - 33
2434084	Myclobutanil	17.5	Spike	P	0 - 26
2434084	Naled	2.95	Spike	P	0 - 37
2434084	Napropamide	0.496	Spike	P	0 - 44
2434084	Norflurazon	13.8	Spike	P	0 - 30
2434084	Octinoxate	3.69	Spike	P	0 - 45
2434084	Oxadiazon	14.8	Spike	P	0 - 28
2434084	Oxybenzone	4.53	Spike	P	0 - 46
2434084	Oxyfluorfen	22.8	Spike	P	0 - 28
2434084	Parathion Ethyl	11.6	Spike	P	0 - 31
2434084	Parathion Methyl	27.8	Spike	P	0 - 29
2434084	PBB-153	31.1	Spike	F	0 - 30
2434084	PBDE-47	12.2	Spike	P	0 - 36
2434084	PBDE-99	19.4	Spike	P	0 - 40
2434084	Pendimethalin	3.27	Spike	P	0 - 33
2434084	Pentabromotoluene	5.05	Spike	P	0 - 30
2434084	Phenytoin	11.3	Spike	P	0 - 100
2434084	Phorate	3.24	Spike	P	0 - 36
2434084	Prodiamine	21.2	Spike	P	0 - 71
2434084	Prometon	24.8	Spike	P	0 - 36
2434084	Prometryn	7.26	Spike	P	0 - 28
2434084	Pronamide	16.0	Spike	P	0 - 24
2434084	Propanil	14.2	Spike	P	0 - 28
2434084	Propargite	1.56	Spike	P	0 - 43
2434084	Propiconazole	15.7	Spike	P	0 - 33
2434084	Pyraflufen Ethyl	17.4	Spike	P	0 - 29
2434084	Pyridaben	28.9	Spike	P	0 - 30
2434084	Pyriproxyfen	5.57	Spike	P	0 - 79
2434084	Simazine	2.21	Spike	P	0 - 29
2434084	Stirophos	37.8	Spike	P	0 - 61
2434084	Sulfentrazone	57.8	Spike	F	0 - 33
2434084	Tebuconazole	28.4	Spike	P	0 - 69
2434084	Terbufos	12.5	Spike	P	0 - 29
2434084	Terbuthylazine	7.85	Spike	P	0 - 32
2434084	Tetradecachloro-m-terphenyl	1.48	Spike	P	0 - 30
2434084	Thiobencarb	12.9	Spike	P	0 - 26
2434084	Tri-o-cresyl Phosphate	12.5	Spike	P	0 - 33
2434084	Triadimefon	15.5	Spike	P	0 - 28
2434084	Tris(1-chloro-2-propyl) phosphate (TCPP)	5.98	Spike	P	0 - 30
2434084	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	4.03	Spike	P	0 - 30
2434084	Tris(2-chloroethyl) phosphate (TCEP)	4.75	Spike	P	0 - 30

Reference Method: EPA 8270E

Batch ID: P434554

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Aldrin	16.8	LCS	P	0 - 54

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P434554

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Alpha-BHC	0.732	LCS	P	0 - 15
LFB	Alpha-Chlordane	20.4	LCS	P	0 - 24
LFB	Beta-BHC	4.96	LCS	P	0 - 24
LFB	Beta-Cyfluthrin	5.52	LCS	P	0 - 38
LFB	Bifenthrin	10.8	LCS	P	0 - 47
LFB	Chlorothalonil	10.3	LCS	P	0 - 35
LFB	Cis-Nonachlor	2.20	LCS	P	0 - 33
LFB	Cypermethrin	6.81	LCS	P	0 - 35
LFB	Dacthal	30.0	LCS	F	0 - 19
LFB	DDD-p,p'	5.68	LCS	P	0 - 27
LFB	DDE-p,p'	5.34	LCS	P	0 - 24
LFB	DDT-p,p'	1.55	LCS	P	0 - 23
LFB	Delta-BHC	1.57	LCS	P	0 - 21
LFB	Deltamethrin	11.7	LCS	P	0 - 45
LFB	Dichlobenil	3.59	LCS	P	0 - 21
LFB	Dicofol	3.18	LCS	P	0 - 24
LFB	Dieldrin	5.57	LCS	P	0 - 22
LFB	Endosulfan I	20.1	LCS	P	0 - 21
LFB	Endosulfan II	7.22	LCS	P	0 - 22
LFB	Endosulfan Sulfate	4.95	LCS	P	0 - 25
LFB	Endrin	5.18	LCS	P	0 - 22
LFB	Endrin Aldehyde	10.8	LCS	P	0 - 35
LFB	Endrin Ketone	33.1	LCS	F	0 - 25
LFB	Esfenvalerate	17.9	LCS	P	0 - 43
LFB	Ethalfuralin	13.5	LCS	P	0 - 21
LFB	Fenpropathrin	13.7	LCS	P	0 - 33
LFB	Gamma-BHC	6.33	LCS	P	0 - 20
LFB	Gamma-Chlordane	32.1	LCS	F	0 - 24
LFB	Heptachlor	19.6	LCS	P	0 - 28
LFB	Heptachlor Epoxide	2.96	LCS	P	0 - 21
LFB	Hexachlorobenzene	4.42	LCS	P	0 - 25
LFB	Kepone	39.7	LCS	P	0 - 72
LFB	Lambda-Cyhalothrin	9.08	LCS	P	0 - 44
LFB	Methoprene	9.90	LCS	P	0 - 49
LFB	Methoxychlor	4.75	LCS	P	0 - 22
LFB	MGK-264	2.42	LCS	P	0 - 50
LFB	Mirex	4.68	LCS	P	0 - 33
LFB	Oxychlordane	6.19	LCS	P	0 - 22
LFB	PCB-1016	3.88	LCS	P	0 - 24
LFB	PCB-1260	6.40	LCS	P	0 - 33
LFB	Permethrin	7.66	LCS	P	0 - 36
LFB	Phenothrin	2.92	LCS	P	0 - 54
LFB	Piperonyl Butoxide	0.868	LCS	P	0 - 42
LFB	Prallethrin	29.4	LCS	P	0 - 41
LFB	Tau-Fluvalinate	15.4	LCS	P	0 - 42
LFB	Tetramethrin	6.50	LCS	P	0 - 63
LFB	Trans-Nonachlor	7.65	LCS	P	0 - 26
LFB	Triclosan Methyl	5.21	LCS	P	0 - 22
LFB	Trifluralin	11.0	LCS	P	0 - 23

Quality Assurance Report Precision

Reference Method: EPA 8276

Batch ID: P434554

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Chlordane	7.40	LCS	P	0 - 32
LFB	Toxaphene	5.18	LCS	P	0 - 28

Reference Method: EPA 8321B

Batch ID: P434463

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433993	Acesulfame K	0.192	Spike	P	0 - 30
2433993	AMPA	5.24	Spike	P	0 - 30
2433993	Endothall	2.05	Spike	P	0 - 30
2433993	Glufosinate	4.86	Spike	P	0 - 30
2433993	Glyphosate	8.99	Spike	P	0 - 30
2433993	Sucralose	6.86	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P434478

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434080	2,4-D	11.5	Spike	P	0 - 30
2434080	2,4,5-T	14.0	Spike	P	0 - 30
2434080	Acetaminophen	12.8	Spike	P	0 - 30
2434080	Acetamiprid	6.63	Spike	P	0 - 30
2434080	Afidopyropen	3.97	Spike	P	0 - 30
2434080	Bentazon	5.76	Spike	P	0 - 30
2434080	Benzovindiflupyr	11.4	Spike	P	0 - 30
2434080	Carbamazepine	4.71	Spike	P	0 - 30
2434080	Clothianidin	5.61	Spike	P	0 - 30
2434080	Dinotefuran	8.00	Spike	P	0 - 30
2434080	Diuron	4.17	Spike	P	0 - 30
2434080	Fenuron	12.0	Spike	P	0 - 30
2434080	Fluridone	11.6	Spike	P	0 - 30
2434080	Hydrocodone	1.14	Spike	P	0 - 30
2434080	Ibuprofen	6.02	Spike	P	0 - 30
2434080	Imazapyr	8.74	Spike	P	0 - 30
2434080	Imidacloprid	5.81	Spike	P	0 - 30
2434080	Linuron	1.60	Spike	P	0 - 30
2434080	Mandestrobin	7.27	Spike	P	0 - 30
2434080	MCPP	13.5	Spike	P	0 - 30
2434080	Naproxen	11.5	Spike	P	0 - 30
2434080	Primidone	9.18	Spike	P	0 - 30
2434080	Pyraclostrobin	13.4	Spike	P	0 - 30
2434080	Silvex	13.1	Spike	P	0 - 30
2434080	Thiamethoxam	2.17	Spike	P	0 - 30
2434080	Tolfenpyrad	13.3	Spike	P	0 - 30
2434080	Triclopyr	1.53	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P434519

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	2,4-D	4.16	LCS	P	0 - 30
LFB	2,4,5-T	15.0	LCS	P	0 - 30
LFB	3-Hydroxycarbofuran	6.67	LCS	P	0 - 30
LFB	Acetaminophen	3.06	LCS	P	0 - 30
LFB	Acetamiprid	4.53	LCS	P	0 - 30
LFB	Afidopyropen	11.0	LCS	P	0 - 30
LFB	Aldicarb	5.59	LCS	P	0 - 30
LFB	Aldicarb Sulfone	1.57	LCS	P	0 - 30
LFB	Aldicarb Sulfoxide	0.263	LCS	P	0 - 30
LFB	Bentazon	1.14	LCS	P	0 - 30
LFB	Benzovindiflupyr	1.20	LCS	P	0 - 30
LFB	Carbamazepine	0.764	LCS	P	0 - 30
LFB	Carbaryl	1.90	LCS	P	0 - 30
LFB	Carbofuran	3.59	LCS	P	0 - 30
LFB	Clothianidin	1.60	LCS	P	0 - 30
LFB	Dinotefuran	1.83	LCS	P	0 - 30
LFB	Diuron	6.62	LCS	P	0 - 30
LFB	Fenuron	19.1	LCS	P	0 - 30
LFB	Fluridone	6.21	LCS	P	0 - 30
LFB	Hydrocodone	0.434	LCS	P	0 - 30
LFB	Ibuprofen	4.84	LCS	P	0 - 30
LFB	Imazapyr	1.77	LCS	P	0 - 30
LFB	Imidacloprid	0.0746	LCS	P	0 - 30
LFB	Linuron	8.99	LCS	P	0 - 30
LFB	Mandestrobin	3.82	LCS	P	0 - 30
LFB	MCPP	4.00	LCS	P	0 - 30
LFB	Methiocarb	9.53	LCS	P	0 - 30
LFB	Methomyl	1.47	LCS	P	0 - 30
LFB	Naproxen	15.3	LCS	P	0 - 30
LFB	Oxamyl	0.206	LCS	P	0 - 30
LFB	Primidone	0.940	LCS	P	0 - 30
LFB	Propoxur	0.580	LCS	P	0 - 30
LFB	Pyraclostrobin	6.98	LCS	P	0 - 30
LFB	Silvex	10.4	LCS	P	0 - 30
LFB	Thiamethoxam	1.69	LCS	P	0 - 30
LFB	Tolfenpyrad	11.2	LCS	P	0 - 30
LFB	Triclopyr	7.66	LCS	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P434550

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2432583	Total Alkalinity	0.115	Sample	P	0 - 3.9

Reference Method: SM 2320 B-2011
Batch ID: P434707

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434064	Total Alkalinity	1.79	Sample	P	0 - 3.9

Quality Assurance Report Precision

Reference Method: SM 2540 C-2015
Batch ID: P434781

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433788	TDS	4.65	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2432583	Fluoride	0.0	Spike	P	0 - 1.9

Reference Method: SM 4500-F- C-2011
Batch ID: P434710

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434064	Fluoride	0.480	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P434775

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434444	Organic Carbon	1.47	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2434079
Field Sample ID: 20030739

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	76.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	80.4	P	30 - 160
EPA 8321B	Carbamazepine-d10	59.9	P	30 - 160
EPA 8321B	Diuron-d6	36.6	P	30 - 160
EPA 8321B	Endothall-d6	109	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	56.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	65.2	P	30 - 160
EPA 8321B	Primidone-d5	48.2	P	30 - 160
EPA 8321B	Sucralose-d6	111	P	30 - 160

Lab Sample ID: 2434080
Field Sample ID: G2NE1208

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	112	P	30 - 160
EPA 8321B	Acetaminophen-d4	119	P	30 - 160
EPA 8321B	Carbamazepine-d10	72.5	P	30 - 160
EPA 8321B	Diuron-d6	57.9	P	30 - 160
EPA 8321B	Endothall-d6	99.7	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	80.8	P	30 - 160
EPA 8321B	Ibuprofen-d3	62.8	P	30 - 160
EPA 8321B	Primidone-d5	79.2	P	30 - 160
EPA 8321B	Sucralose-d6	117	P	30 - 160

Lab Sample ID: 2434081
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	41.1	P	30 - 160

Lab Sample ID: 2434082
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	105	P	30 - 160
EPA 8321B	Acetaminophen-d4	99.0	P	30 - 160
EPA 8321B	Carbamazepine-d10	72.1	P	30 - 160
EPA 8321B	Diuron-d6	47.0	P	30 - 160
EPA 8321B	Endothall-d6	98.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	65.6	P	30 - 160
EPA 8321B	Ibuprofen-d3	64.7	P	30 - 160
EPA 8321B	Primidone-d5	70.8	P	30 - 160
EPA 8321B	Sucralose-d6	87.5	P	30 - 160

Lab Sample ID: 2434083
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	103	P	37 - 129
EPA 8270E	Decachlorobiphenyl	63.7	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	43.5	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	63.0	P	29 - 95.0

Quality Assurance Report Surrogates

Lab Sample ID: 2434083
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	69.2	P	28 - 102
EPA 8276	PCNB	77.0	P	49 - 115

Lab Sample ID: 2434084
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	82.7	P	20 - 200
EPA 8270E	Simazine-d10	83.3	P	62 - 142
EPA 8270E	Terbufos-d10	98.9	P	58 - 132
EPA 8270E	Terphenyl-d14	109	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A121314

Included Lab Sample IDs: 2434060, 2434062, 2434064, 2434066

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.3	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A121317

Included Lab Sample IDs: 2434060, 2434062, 2434064, 2434066

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.0	97.5	P/P	95 - 105
Turbidity	97.5	97.5	P/P	95 - 105

Reference Method: EPA 8321B

Run ID: A121325

Included Lab Sample IDs: 2434079, 2434080, 2434082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	154	153	P/P	60 - 160
Sucralose	106	113	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A121329

Included Lab Sample IDs: 2434079, 2434080, 2434082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	79.7	86.2	P/P	60 - 160
AMPA	90.3	105	P/P	60 - 160
Endothall	95.0	93.3	P/P	60 - 160
Glufosinate	95.9	96.0	P/P	60 - 160
Glufosinate	97.8	98.0	P/P	60 - 160
Glyphosate	116	104	P/P	60 - 160
Glyphosate	92.4	102	P/P	60 - 160

Reference Method: SM 2320 B-2011

Run ID: A121345

Included Lab Sample IDs: 2434066

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.3	96.3	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A121345

Included Lab Sample IDs: 2434066

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

Reference Method: EPA 8321B

Run ID: A121350

Included Lab Sample IDs: 2434079, 2434080, 2434082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	102	112	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A121350

Included Lab Sample IDs: 2434079, 2434080, 2434082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	85.9	83.8	P/P	50 - 150
2,4-D	87.0	95.8	P/P	50 - 150
2,4,5-T	100	90.2	P/P	50 - 150
2,4,5-T	94.6	94.8	P/P	50 - 150
2,4,5-T	97.3	95.4	P/P	50 - 150
3-Hydroxycarbofuran	113	111	P/P	60 - 150
Acetaminophen	107	108	P/P	60 - 160
Acetaminophen	108	107	P/P	60 - 160
Acetaminophen	114	114	P/P	60 - 160
Acetamiprid	127	129	P/P	50 - 150
Acetamiprid	130	129	P/P	50 - 150
Acetamiprid	137	133	P/P	50 - 150
Afidopyropen	105	115	P/P	50 - 150
Afidopyropen	107	117	P/P	50 - 150
Afidopyropen	115	114	P/P	50 - 150
Aldicarb	134	137	P/P	60 - 150
Aldicarb Sulfone	110	111	P/P	50 - 150
Aldicarb Sulfoxide	117	124	P/P	50 - 150
Bentazon	130	128	P/P	50 - 160
Bentazon	135	140	P/P	50 - 160
Bentazon	145	148	P/P	50 - 160
Benzovindiflupyr	117	117	P/P	50 - 150
Benzovindiflupyr	118	114	P/P	50 - 150
Benzovindiflupyr	119	117	P/P	50 - 150
Carbamazepine	118	125	P/P	60 - 150
Carbamazepine	121	128	P/P	60 - 150
Carbamazepine	122	120	P/P	60 - 150
Carbaryl	109	105	P/P	60 - 150
Carbofuran	129	131	P/P	50 - 150
Clothianidin	116	118	P/P	60 - 150
Clothianidin	117	121	P/P	60 - 150
Clothianidin	122	118	P/P	60 - 150
Dinotefuran	107	112	P/P	50 - 150
Dinotefuran	110	116	P/P	50 - 150
Dinotefuran	121	117	P/P	50 - 150
Diuron	112	110	P/P	60 - 160
Diuron	114	113	P/P	60 - 160
Diuron	115	114	P/P	60 - 160
Fenuron	125	122	P/P	60 - 150
Fenuron	125	121	P/P	60 - 150
Fenuron	126	124	P/P	60 - 150
Fluridone	110	109	P/P	60 - 160
Fluridone	110	110	P/P	60 - 160
Fluridone	114	104	P/P	60 - 160
Hydrocodone	141	134	P/P	60 - 150
Hydrocodone	141	140	P/P	60 - 150
Hydrocodone	143	140	P/P	60 - 150
Ibuprofen	112	119	P/P	50 - 160
Ibuprofen	122	129	P/P	50 - 160
Ibuprofen	129	102	P/P	50 - 160
Imazapyr	101	97.8	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A121350

Included Lab Sample IDs: 2434079, 2434080, 2434082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Imazapyr	93.4	94.2	P/P	50 - 150
Imazapyr	95.8	91.3	P/P	50 - 150
Imidacloprid	106	106	P/P	60 - 150
Imidacloprid	108	105	P/P	60 - 150
Imidacloprid	111	106	P/P	60 - 150
Linuron	103	109	P/P	60 - 150
Linuron	111	103	P/P	60 - 150
Linuron	112	93.2	P/P	60 - 150
Mandestrobin	122	124	P/P	50 - 150
Mandestrobin	125	125	P/P	50 - 150
Mandestrobin	129	124	P/P	50 - 150
MCPPP	84.7	91.7	P/P	50 - 150
MCPPP	87.2	90.2	P/P	50 - 150
MCPPP	91.1	89.5	P/P	50 - 150
Methiocarb	105	103	P/P	50 - 150
Methomyl	113	110	P/P	50 - 150
Naproxen	108	106	P/P	50 - 160
Naproxen	125	104	P/P	50 - 160
Naproxen	80.2	110	P/P	50 - 160
Oxamyl	114	116	P/P	50 - 150
Primidone	107	112	P/P	60 - 150
Primidone	111	110	P/P	60 - 150
Primidone	113	114	P/P	60 - 150
Propoxur	146	142	P/P	50 - 150
Pyraclostrobin	122	121	P/P	60 - 150
Pyraclostrobin	125	120	P/P	60 - 150
Pyraclostrobin	127	125	P/P	60 - 150
Silvex	88.8	94.6	P/P	50 - 150
Silvex	89.9	92.4	P/P	50 - 150
Silvex	91.1	89.4	P/P	50 - 150
Thiamethoxam	130	126	P/P	50 - 150
Thiamethoxam	130	127	P/P	50 - 150
Thiamethoxam	136	129	P/P	50 - 150
Tolfenpyrad	109	109	P/P	60 - 150
Tolfenpyrad	110	113	P/P	60 - 150
Tolfenpyrad	113	115	P/P	60 - 150
Triclopyr	102	88.9	P/P	50 - 150
Triclopyr	94.1	93.2	P/P	50 - 150
Triclopyr	98.1	88.9	P/P	50 - 150

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A121357

Included Lab Sample IDs: 2434067

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.8	101	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A121365

Included Lab Sample IDs: 2434084

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	91.6		P	80 - 120
Avobenzene	99.1		P	80 - 120
Dechlorane 602	95.5		P	80 - 120
Dechlorane 603	100		P	80 - 120
Dechlorane Plus	101		P	80 - 120
Hexabromobenzene	91.0		P	80 - 120
Octinoxate	97.4		P	80 - 120
Oxybenzone	93.4		P	80 - 120
PBB-153	96.7		P	80 - 120
PBDE-47	91.1		P	80 - 120
PBDE-99	94.5		P	80 - 120
Pentabromotoluene	98.1		P	80 - 120
Tetradecachloro-m-terphenyl	102		P	80 - 120
Tri-o-cresyl Phosphate	97.0		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	96.6		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	98.8		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	103		P	80 - 120

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A121367

Included Lab Sample IDs: 2434061, 2434063

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A121370

Included Lab Sample IDs: 2434060, 2434062, 2434064, 2434066

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.5	99.4	P/P	90 - 110
Sulfate	98.5	98.5	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A121407

Included Lab Sample IDs: 2434061, 2434063, 2434065

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	101	100	P/P	90 - 110
Ammonia-N	99.0	100	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A121417

Included Lab Sample IDs: 2434060, 2434062, 2434064

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	94.1	98.5	P/P	90 - 110
Total Alkalinity	98.5	94.9	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 4500-F- C-2011

Run ID: A121417

Included Lab Sample IDs: 2434060, 2434062, 2434064

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	100	99.5	P/P	90 - 110
Fluoride	99.5	102	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A121422

Included Lab Sample IDs: 2434083

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	95.0		P	80 - 120
PCB-1260	105		P	80 - 120

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A121423

Included Lab Sample IDs: 2434065

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

Reference Method: EPA 8276

Run ID: A121427

Included Lab Sample IDs: 2434083

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	98.5		P	80 - 120
Toxaphene	97.0		P	80 - 120

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A121435

Included Lab Sample IDs: 2434067

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	98.5	100	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A121443

Included Lab Sample IDs: 2434061, 2434063, 2434065, 2434067

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.1	95.8	P/P	90 - 110
Organic Carbon	96.2	96.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A121470

Included Lab Sample IDs: 2434067

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A121481

Included Lab Sample IDs: 2434061, 2434063, 2434065

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	96.0	96.5	P/P	90 - 110
NO2NO3-N	96.5	97.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A121484

Included Lab Sample IDs: 2434061, 2434063, 2434065, 2434067

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	103	P/P	90 - 110
Kjeldahl Nitrogen	97.0	105	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A121514

Included Lab Sample IDs: 2434084

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	86.6		P	80 - 120
Alachlor	87.2		P	80 - 120
Ametryn	93.1		P	80 - 120
Atrazine	91.2		P	80 - 120
Atrazine Desethyl	95.3		P	80 - 120
Azinphos Methyl	89.3		P	80 - 120
Azoxystrobin	98.9		P	80 - 120
Bromacil	105		P	80 - 120
Butylate	100		P	80 - 120
Caffeine	99.2		P	80 - 120
Carbophenothion	95.9		P	80 - 120
Carfentrazone Ethyl	95.4		P	80 - 120
Chlorfenapyr	87.9		P	80 - 120
Chlorpyrifos Ethyl	87.6		P	80 - 120
Chlorpyrifos Methyl	95.4		P	80 - 120
Coumaphos	99.9		P	80 - 120
Cyanazine	95.8		P	80 - 120
Cyprodinil	105		P	80 - 120
Demeton	93.7		P	80 - 120
Diazinon	99.2		P	80 - 120
Difenoconazole	98.7		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	87.9		P	80 - 120
Disulfoton	99.3		P	80 - 120
Dithiopyr	97.0		P	80 - 120
EPTC	99.0		P	80 - 120
Ethion	90.5		P	80 - 120
Ethoprop	97.2		P	80 - 120
Etridiazole	103		P	80 - 120
Fenamiphos	99.1		P	80 - 120
Fenbuconazole	85.1		P	80 - 120
Fipronil	87.3		P	80 - 120
Fipronil Desulfinyl	97.6		P	80 - 120
Fipronil Sulfide	97.5		P	80 - 120
Fipronil Sulfone	101		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A121514
Included Lab Sample IDs: 2434084

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluazifop-P-butyl	94.4		P	80 - 120
Fludioxonil	108		P	80 - 120
Flumioxazin	86.9		P	80 - 120
Flutolanil	94.0		P	80 - 120
Fluxapyroxad	89.2		P	80 - 120
Fonofos	93.3		P	80 - 120
Hexazinone	101		P	80 - 120
Imazalil	90.1		P	80 - 120
Iprodione	78.6*		F	80 - 120
Loratadine	86.6		P	80 - 120
Malathion	87.4		P	80 - 120
Metalaxyl	93.2		P	80 - 120
Metolachlor	102		P	80 - 120
Metribuzin	112		P	80 - 120
Mevinphos	111		P	80 - 120
Molinate	85.9		P	80 - 120
Myclobutanil	88.5		P	80 - 120
Naled	93.5		P	80 - 120
Napropamide	96.8		P	80 - 120
Norflurazon	83.9		P	80 - 120
Oxadiazon	96.1		P	80 - 120
Oxyfluorfen	98.8		P	80 - 120
Parathion Ethyl	102		P	80 - 120
Parathion Methyl	83.8		P	80 - 120
Pendimethalin	105		P	80 - 120
Phenytoin	93.6		P	80 - 120
Phorate	108		P	80 - 120
Prodiamine	82.2		P	80 - 120
Prometon	110		P	80 - 120
Prometryn	98.9		P	80 - 120
Pronamide	99.4		P	80 - 120
Propanil	111		P	80 - 120
Propargite	97.7		P	80 - 120
Propiconazole	89.3		P	80 - 120
Pyraflufen Ethyl	95.8		P	80 - 120
Pyridaben	96.7		P	80 - 120
Pyriproxyfen	109		P	80 - 120
Simazine	94.7		P	80 - 120
Stirophos	88.7		P	80 - 120
Sulfentrazone	93.4		P	80 - 120
Tebuconazole	98.2		P	80 - 120
Terbufos	106		P	80 - 120
Terbutylazine	87.4		P	80 - 120
Thiobencarb	96.9		P	80 - 120
Triadimefon	91.0		P	80 - 120

Reference Method: EPA 8270E
Run ID: A121615
Included Lab Sample IDs: 2434083

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

Reference Method: EPA 8270E
 Run ID: A121615
 Included Lab Sample IDs: 2434083

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	84.0		P	80 - 120
Alpha-BHC	95.8		P	80 - 120
Alpha-Chlordane	108		P	80 - 120
Beta-BHC	104		P	80 - 120
Beta-Cyfluthrin	101		P	80 - 120
Bifenthrin	92.3		P	80 - 120
Chlorothalonil	109		P	80 - 120
Cis-Nonachlor	85.5		P	80 - 120
Cypermethrin	94.9		P	80 - 120
Dacthal	86.6		P	80 - 120
DDD-p,p'	95.6		P	80 - 120
DDE-p,p'	89.5		P	80 - 120
DDT-p,p'	85.6		P	80 - 120
Delta-BHC	107		P	80 - 120
Deltamethrin	98.4		P	80 - 120
Dichlobenil	92.6		P	80 - 120
Dicofol	99.1		P	80 - 120
Dieldrin	83.1		P	80 - 120
Endosulfan I	86.1		P	80 - 120
Endosulfan II	81.4		P	80 - 120
Endosulfan Sulfate	96.5		P	80 - 120
Endrin	92.6		P	80 - 120
Endrin Aldehyde	56.5*		F	80 - 120
Endrin Ketone	83.2		P	80 - 120
Esfenvalerate	98.6		P	80 - 120
Ethalfuralin	105		P	80 - 120
Fenpropathrin	91.0		P	80 - 120
Gamma-BHC	108		P	80 - 120
Gamma-Chlordane	105		P	80 - 120
Heptachlor	95.2		P	80 - 120
Heptachlor Epoxide	105		P	80 - 120
Hexachlorobenzene	101		P	80 - 120
Kepone	65.1*		F	80 - 120
Lambda-Cyhalothrin	99.3		P	80 - 120
Methoprene	103		P	80 - 120
Methoxychlor	92.3		P	80 - 120
MGK-264	103		P	80 - 120
Mirex	118		P	80 - 120
Oxychlordane	81.5		P	80 - 120
Permethrin	95.4		P	80 - 120
Phenothrin	97.9		P	80 - 120
Piperonyl Butoxide	98.9		P	80 - 120
Prallethrin	89.5		P	80 - 120
Tau-Fluvalinate	106		P	80 - 120
Tetramethrin	89.1		P	80 - 120
Trans-Nonachlor	85.0		P	80 - 120
Triclosan Methyl	111		P	80 - 120
Trifluralin	97.5		P	80 - 120

Quality Assurance Report

Calibration Verification

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

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

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	
							SMP	MS
DEP SOP: NU-094-1	Color (true)	101					1.54	
EPA 180.1 Rev. 2.0	Turbidity	97.5					0.341	
	Turbidity	97.9					3.82	
EPA 300.0 Rev. 2.1	Chloride	102		99.4	100		0.838	
	Sulfate	99.4		97.0	98.7		0.118	
EPA 350.1 Rev. 2.0	Ammonia-N	95.8		101	102			0.538
	Ammonia-N	97.6		98.4	101			1.78
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.9		102	91.7			8.68
	Kjeldahl Nitrogen	103		102	98.1			3.82
EPA 353.2 Rev. 2.0	NO2NO3-N	99.5		97.4	97.9			0.484
	NO2NO3-N	98.0		96.0	96.5			0.255
	NO2NO3-N	101		92.1	91.6			0.545
EPA 365.1 Rev. 2.0	Total-P	104		107	107			0.117
	Total-P	104		106	108			0.944
	Total-P	106		96.1	97.5			1.45
EPA 8270E	2-Ethylhexyl	95.6		87.8	113			24.7
	2,3,4,5-tetrabromobenzoate (EHTBB)							
	Acetochlor	75.8		84.1	67.2			22.3
	Alachlor	79.3		85.9	99.8			14.9
	Aldrin	40.9	34.6	54.1		16.8		
	Alpha-BHC	75.8	75.2	82.5		0.732		
	Alpha-Chlordane	89.4	72.9	48.8		20.4		
	Ametryn	93.5		124	105			16.4
	Atrazine	83.5						4.97
	Atrazine Desethyl	67.8		85.1	94.1			8.36
	Avobenzone	117		129	116			10.2
	Azinphos Methyl	80.1		132	111			18.0
	Azoxystrobin	90.7		108	94.5			12.4
	Beta-BHC	87.2	83.0	58.9		4.96		
	Beta-Cyfluthrin	42.2	39.9	71.2		5.52		
	Bifenthrin	33.6	37.5	73.6		10.8		
	Bromacil	100		104	90.2			13.1
	Butylate	74.3		37.1	61.9			50.1
	Caffeine	108		145	119			15.4
	Carbophenothion	87.6		109	102			6.26
	Carfentrazone Ethyl	91.4		90.6	70.7			24.6
	Chlorfenapyr	77.4		63.6	54.0			16.2
	Chlorothalonil	90.3	81.4	83.5		10.3		
	Chlorpyrifos Ethyl	72.0		67.6	65.8			2.69
	Chlorpyrifos Methyl	75.7		114	124			8.35
	Cis-Nonachlor	81.3	83.1	55.0		2.20		
	Coumaphos	98.7		140	145			3.46
	Cyanazine	91.6		110	89.8			20.2
	Cypermethrin	41.4	38.6	71.9		6.81		
	Cyprodinil	109		128	121			5.94
	Dacthal	85.5	63.2	70.4		30.0		
	DDD-p,p'	59.8	63.3	61.4		5.68		
	DDE-p,p'	62.0	58.8	63.3		5.34		
	DDT-p,p'	61.2	60.3	56.4		1.55		
	Dechlorane 602	97.3		65.9	77.4			16.1
	Dechlorane 603	106		88.6	106			17.8
	Dechlorane Plus	112		75.0	85.5			13.1
	Delta-BHC	85.6	84.3	74.1		1.57		

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	
							SMP	MS
EPA 8270E	Deltamethrin	41.3	36.8	75.3		11.7		
	Demeton	61.7		73.2	83.5			13.2
	Diazinon	88.9		98.8	83.3			17.0
	Dichlobenil	71.6	69.0	36.3		3.59		
	Dicofol	73.0	75.4	71.2		3.18		
	Dieldrin	64.0	60.6	65.8		5.57		
	Difenoconazole	90.0		129	125			2.96
	Dimethenamid	96.2		100	108			7.84
	Dimethomorph	77.7		189	149			23.7
	Disulfoton	77.4		104	81.4			24.1
	Dithiopyr	89.2		80.2	64.7			21.3
	Endosulfan I	73.1	59.7	78.1		20.1		
	Endosulfan II	77.1	71.7	62.4		7.22		
	Endosulfan Sulfate	61.9	65.1	49.4		4.95		
	Endrin	61.8	58.7	65.1		5.18		
	Endrin Aldehyde	59.5	53.3	31.6		10.8		
	Endrin Ketone	83.1	59.5	44.6		33.1		
	EPTC	70.2		29.5	53.6			58.0
	Esfenvalerate	68.8	57.5	118		17.9		
	Ethalfuralin	67.9	59.3	60.7		13.5		
	Ethion	77.2		40.4	53.3			27.5
	Ethoprop	94.6		91.4	96.4			5.34
	Etridiazole	66.7		45.1	44.9			0.580
	Fenamiphos	81.1		81.2	89.4			9.57
	Fenbuconazole	90.4		92.7	89.2			3.81
	Fenpropathrin	56.4	64.7	68.8		13.7		
	Fipronil	81.8		95.3	88.0			6.07
	Fipronil Desulfinyl	98.4		94.1	91.0			2.54
	Fipronil Sulfide	90.8		93.7	83.6			8.61
	Fipronil Sulfone	94.9		104	84.3			13.5
	Fluazifop-P-butyl	84.1		82.5	59.3			32.7
	Fludioxonil	88.2		89.3	93.4			3.82
	Flumioxazin	90.8		166	141			16.3
	Flutolanil	79.2		57.6	54.4			5.79
	Fluxapyroxad	78.7		57.2	105			58.8
	Fonofos	70.6		90.6	69.2			26.8
	Gamma-BHC	91.8	86.1	73.9		6.33		
	Gamma-Chlordane	76.7	55.5	63.7		32.1		
	Heptachlor	53.1	43.6	66.7		19.6		
	Heptachlor Epoxide	77.8	75.5	47.3		2.96		
	Hexabromobenzene	94.1		99.7	116			15.2
	Hexachlorobenzene	55.7	58.2	67.5		4.42		
	Hexazinone	88.6		95.4	105			9.99
	Imazalil	65.9		83.2	82.4			0.949
	Iprodione	68.7		87.3	144			49.3
	Kepone	79.7	53.3	60.1		39.7		
	Lambda-Cyhalothrin	35.4	38.8	72.6		9.08		
	Loratadine	74.6		154	106			36.3
	Malathion	77.0		86.4	82.2			5.02
	Metalaxyl	86.5		85.2	76.1			11.3
	Methoprene	79.2	71.7	87.9		9.90		
	Methoxychlor	68.5	71.9	61.6		4.75		
	Metolachlor	93.5		69.0	92.6			14.1
	Metribuzin	102		110	101			5.48

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	MS
							SMP	
EPA 8270E	Mevinphos	110		98.5	86.8			12.7
	MGK-264	115	118	99.3		2.42		
	Mirex	30.7	32.2	54.0		4.68		
	Molinate	64.4		46.5	70.5			41.1
	Myclobutanil	84.1		86.5	71.4			17.5
	Naled	64.2		34.0	35.0			2.95
	Napropamide	83.4		60.6	60.9			0.496
	Norflurazon	92.3		75.3	65.5			13.8
	Octinoxate	110		114	118			3.69
	Oxadiazon	87.3		69.7	56.6			14.8
	Oxybenzone	106		113	119			4.53
	Oxychlordane	59.1	55.5	83.0		6.19		
	Oxyfluorfen	95.4		107	85.4			22.8
	Parathion Ethyl	88.8		81.2	91.2			11.6
	Parathion Methyl	76.5		115	87.1			27.8
	PBB-153	106		92.2	126			31.1
	PBDE-47	91.9		90.9	103			12.2
	PBDE-99	103		83.6	102			19.4
	PCB-1016	66.0	63.4	64.1		3.88		
	PCB-1260	61.8	58.0	70.9		6.40		
	Pendimethalin	80.6		83.2	86.0			3.27
	Pentabromotoluene	92.4		102	108			5.05
	Permethrin	52.5	48.6	16.5		7.66		
	Phenothrin	29.3	30.2	66.5		2.92		
	Phenytol	82.7		62.4	69.9			11.3
	Phorate	65.0		96.3	93.2			3.24
	Piperonyl Butoxide	76.7	76.0	86.1		0.868		
	Prallethrin	78.2	58.2	72.6		29.4		
	Prodiamine	82.7		37.6	46.5			21.2
	Prometon	95.6						24.8
	Prometryn	90.6		125	135			7.26
	Pronamide	87.4		99.3	84.6			16.0
	Propanil	97.3		114	98.6			14.2
	Propargite	85.6		56.1	57.0			1.56
	Propiconazole	73.4		59.4	47.9			15.7
	Pyraflufen Ethyl	86.2		87.3	73.3			17.4
	Pyridaben	87.1		127	95.1			28.9
	Pyriproxyfen	94.0		88.1	83.3			5.57
	Simazine	84.3		100	96.2			2.21
	Stirophos	74.2		29.2	42.7			37.8
	Sulfentrazone	107		82.5	166			57.8
	Tau-Fluvalinate	31.1	26.7	75.8		15.4		
	Tebuconazole	88.5		44.3	65.4			28.4
	Terbufos	77.3		123	109			12.5
	Terbuthylazine	79.8		74.0	68.4			7.85
	Tetradecachloro-m-terphenyl	113		81.0	79.9			1.48
	Tetramethrin	74.7	79.7	90.1		6.50		
	Thiobencarb	86.2		80.0	70.3			12.9
	Trans-Nonachlor	88.3	81.8	54.1		7.65		
	Tri-o-cresyl Phosphate	106		96.6	109			12.5
	Triadimefon	92.4		76.2	65.2			15.5
	Triclosan Methyl	74.3	70.5	68.8		5.21		
	Trifluralin	67.5	60.4	65.0		11.0		

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision SMP	MS
EPA 8270E	Tris(1-chloro-2-propyl) phosphate (TCPP)	111		111	102			5.98
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	110		96.8	101			4.03
	Tris(2-chloroethyl) phosphate (TCEP)	118		113	108			4.75
EPA 8276	Chlordane	72.2	67.1	79.0		7.40		
	Toxaphene	79.5	75.5	91.7		5.18		
EPA 8321B	2,4-D	81.4		102	115			11.5
	2,4-D	86.3	89.9			4.16		
	2,4,5-T	77.4		111	128			14.0
	2,4,5-T	72.2	84.0			15.0		
	3-Hydroxycarbofuran	92.7	99.1			6.67		
	Acesulfame K	144		136	136			0.192
	Acetaminophen	86.6		109	124			12.8
	Acetaminophen	87.4	90.1			3.06		
	Acetamiprid	103		81.0	86.6			6.63
	Acetamiprid	105	110			4.53		
	Afidopyropen	85.7		75.4	78.5			3.97
	Afidopyropen	68.5	76.4			11.0		
	Aldicarb	77.8	82.2			5.59		
	Aldicarb Sulfone	92.0	93.5			1.57		
	Aldicarb Sulfoxide	109	109			0.263		
	AMPA	78.0		60.3	63.5			5.24
	Bentazon	119		62.4	71.0			5.76
	Bentazon	128	126			1.14		
	Benzovindiflupyr	93.2		94.8	106			11.4
	Benzovindiflupyr	89.4	90.4			1.20		
	Carbamazepine	92.8		68.8	72.7			4.71
	Carbamazepine	100	99.4			0.764		
	Carbaryl	81.8	83.4			1.90		
	Carbofuran	96.4	93.0			3.59		
	Clothianidin	99.4		112	119			5.61
	Clothianidin	101	99.8			1.60		
	Dinotefuran	90.0		71.8	77.8			8.00
	Dinotefuran	91.8	93.5			1.83		
	Diuron	82.9		58.9	61.6			4.17
	Diuron	78.5	83.9			6.62		
	Endothall	106		116	118			2.05
	Fenuron	120		64.8	73.1			12.0
	Fenuron	102	124			19.1		
	Fluridone	84.0		61.7	73.4			11.6
	Fluridone	81.3	86.5			6.21		
	Glufosinate	86.1		68.1	71.5			4.86
	Glyphosate	105		88.0	96.3			8.99
	Hydrocodone	109		78.8	79.8			1.14
	Hydrocodone	111	110			0.434		
	Ibuprofen	83.8		73.7	69.4			6.02
	Ibuprofen	79.0	82.9			4.84		
	Imazapyr	76.3						8.74
	Imazapyr	81.7	80.3			1.77		
	Imidacloprid	87.2		124	132			5.81
	Imidacloprid	88.9	88.9			0.0746		
	Linuron	76.4		60.9	61.9			1.60

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision SMP	MS
EPA 8321B	Linuron	76.1	69.6			8.99		
	Mandestrobin	101		93.8	101			7.27
	Mandestrobin	101	105			3.82		
	MCP	85.1		116	133			13.5
	MCP	88.0	91.6			4.00		
	Methiocarb	70.4	77.4			9.53		
	Methomyl	88.9	90.2			1.47		
	Naproxen	78.3		56.1	66.3			11.5
	Naproxen	68.2	58.5			15.3		
	Oxamyl	94.8	94.6			0.206		
	Primidone	88.5		87.2	95.6			9.18
	Primidone	92.5	91.6			0.940		
	Propoxur	106	107			0.580		
	Pyraclostrobin	83.8		89.9	103			13.4
	Pyraclostrobin	79.0	84.7			6.98		
	Silvex	83.2		119	136			13.1
	Silvex	84.3	93.6			10.4		
	Sucralose	96.1		112	104			6.86
	Thiamethoxam	101		97.7	99.9			2.17
	Thiamethoxam	106	108			1.69		
	Tolfenpyrad	46.3		58.5	66.8			13.3
	Tolfenpyrad	43.0	48.1			11.2		
	Triclopyr	84.3		121	123			1.53
	Triclopyr	81.7	88.2			7.66		
SM 2320 B-2011	Total Alkalinity	96.4					0.115	
	Total Alkalinity	95.8					1.79	
SM 2540 C-2015	TDS	97.6					4.65	
SM 2540 D-2015	TSS	93.1						
SM 4500-F- C-2011	Fluoride	98.9		102	102			0.0
	Fluoride	98.3		99.2	99.8			0.480
SM 5310 B-2011	Organic Carbon	93.6		93.5	96.1			1.47

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2434060, 2434062, 2434064, 2434066
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2434060, 2434062, 2434064, 2434066
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2434060, 2434062, 2434064, 2434066
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2434060, 2434062, 2434064, 2434066
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2434061, 2434063, 2434065, 2434067
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2434061, 2434063, 2434065, 2434067
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2434061, 2434063, 2434065, 2434067
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2434061, 2434063, 2434065, 2434067
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2434084
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2434083
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2434084
EPA 8270E	PCBs in water matrices by GC/MS/MS	2434083
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2434083
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2434081
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2434079, 2434080, 2434082
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2434060, 2434062, 2434064, 2434066
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2434060, 2434062, 2434064, 2434066

Reference Method Descriptions

Method	Description	Associated Samples
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2434060, 2434062, 2434064, 2434066
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2434060, 2434062, 2434064, 2434066
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2434061, 2434063, 2434065, 2434067

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	08/29/2023			08/29/2023 14:37	Alexis Price	2434060
	08/29/2023			08/29/2023 14:38	Alexis Price	2434062, 2434064
	08/29/2023			08/29/2023 14:39	Alexis Price	2434066
EPA 180.1 Rev. 2.0	08/29/2023			08/29/2023 14:22	Anna M. Plaviak	2434060
	08/29/2023			08/29/2023 14:31	Anna M. Plaviak	2434062
	08/29/2023			08/29/2023 14:32	Anna M. Plaviak	2434064
EPA 300.0 Rev. 2.1	08/29/2023			08/29/2023 14:33	Anna M. Plaviak	2434066
	08/29/2023			09/06/2023 05:35	James L Waggeberby	2434060
	08/29/2023			09/06/2023 05:50	James L Waggeberby	2434062
EPA 350.1 Rev. 2.0	08/29/2023			09/06/2023 06:05	James L Waggeberby	2434064
	08/29/2023			09/06/2023 06:20	James L Waggeberby	2434066
	08/29/2023			09/05/2023 13:33	Khloe J Berg	2434067
EPA 351.2 Rev. 2.0	08/29/2023			09/07/2023 11:55	Khloe J Berg	2434061
	08/29/2023			09/07/2023 13:07	Khloe J Berg	2434063
	08/29/2023			09/07/2023 13:09	Khloe J Berg	2434065
EPA 353.2 Rev. 2.0	08/29/2023	09/11/2023 14:51	Simonne.V. Calhoun	09/12/2023 13:59	Samantha L Bates	2434061
	08/29/2023	09/11/2023 14:51	Simonne.V. Calhoun	09/12/2023 14:00	Samantha L Bates	2434063
	08/29/2023	09/11/2023 14:51	Simonne.V. Calhoun	09/12/2023 14:05	Samantha L Bates	2434065
EPA 365.1 Rev. 2.0	08/29/2023	09/11/2023 14:51	Simonne.V. Calhoun	09/12/2023 14:18	Samantha L Bates	2434067
	08/29/2023			09/08/2023 12:17	Anna M. Plaviak	2434067
	08/29/2023			09/12/2023 10:14	Anna M. Plaviak	2434063
EPA 8270E	08/29/2023			09/12/2023 10:20	Anna M. Plaviak	2434065
	08/29/2023			09/12/2023 12:21	Anna M. Plaviak	2434061
	08/29/2023	09/01/2023 15:30	Adam P Silver	09/06/2023 09:50	James L Waggeberby	2434061
EPA 8276	08/29/2023	09/01/2023 15:30	Adam P Silver	09/06/2023 09:51	James L Waggeberby	2434063
	08/29/2023	09/07/2023 14:07	Adam P Silver	09/08/2023 11:43	James L Waggeberby	2434065
	08/29/2023	09/11/2023 16:54	Adam P Silver	09/12/2023 10:21	James L Waggeberby	2434067
EPA 8321B	08/29/2023	09/01/2023 08:00	Fe-Val Siddell	09/07/2023 02:38	Vandana T. Nagar	2434083
	08/29/2023	09/01/2023 08:00	Fe-Val Siddell	09/07/2023 23:57	Lipi Saha	2434083
	08/29/2023	09/01/2023 08:30	Rasheda Ghaffari	09/06/2023 00:06	Arthur Maknenko	2434084
EPA 8321B	08/29/2023	09/01/2023 08:30	Rasheda Ghaffari	09/08/2023 16:24	Vandana T. Nagar	2434084
	08/29/2023	09/01/2023 08:00	Fe-Val Siddell	09/08/2023 06:50	Arthur Maknenko	2434083
	08/29/2023	08/29/2023 15:00	Tae K Lee	08/29/2023 21:55	Hana Lee	2434079
EPA 8321B	08/29/2023	08/29/2023 15:00	Tae K Lee	08/29/2023 22:08	Hana Lee	2434080
	08/29/2023	08/29/2023 15:00	Tae K Lee	08/29/2023 22:21	Hana Lee	2434082
	08/29/2023	08/29/2023 15:00	Tae K Lee	08/30/2023 02:04	Hana Lee	2434082
EPA 8321B	08/29/2023	08/29/2023 15:00	Tae K Lee	08/30/2023 17:54	Hana Lee	2434079
	08/29/2023	08/29/2023 15:00	Tae K Lee	08/30/2023 18:08	Hana Lee	2434080
	08/29/2023	08/29/2023 15:00	Tae K Lee	08/30/2023 18:22	Hana Lee	2434082
EPA 8321B	08/29/2023	09/01/2023 09:00	Hoor Shaik	09/02/2023 16:58	Juyoung Kim	2434080

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	08/29/2023	09/01/2023 09:00	Hoor Shaik	09/02/2023 23:12	Juyoung Kim	2434079
	08/29/2023	09/01/2023 15:40	Hoor Shaik	09/05/2023 14:48	Juyoung Kim	2434081
	08/29/2023	09/01/2023 15:40	Hoor Shaik	09/05/2023 15:05	Juyoung Kim	2434082
SM 2320 B-2011	08/29/2023			09/02/2023 04:07	Dale L. Simmons	2434066
	08/29/2023			09/07/2023 18:13	Dale L. Simmons	2434064
	08/29/2023			09/07/2023 20:29	Dale L. Simmons	2434060
	08/29/2023			09/07/2023 20:43	Dale L. Simmons	2434062
SM 2540 C-2015	08/29/2023			09/01/2023 14:12	Yijie Li	2434060, 2434062, 2434064, 2434066
SM 2540 D-2015	08/29/2023			09/01/2023 14:12	Yijie Li	2434060, 2434062, 2434064, 2434066
SM 4500-F- C-2011	08/29/2023			09/02/2023 01:17	Dale L. Simmons	2434066
	08/29/2023			09/07/2023 18:02	Dale L. Simmons	2434064
	08/29/2023			09/07/2023 20:29	Dale L. Simmons	2434060
	08/29/2023			09/07/2023 20:43	Dale L. Simmons	2434062
SM 5310 B-2011	08/29/2023			09/07/2023 14:34	Elise M. Gillis	2434065
	08/29/2023			09/07/2023 17:17	Elise M. Gillis	2434061
	08/29/2023			09/07/2023 17:32	Elise M. Gillis	2434063
	08/29/2023			09/07/2023 17:46	Elise M. Gillis	2434067