

Chemical Analysis Report

CEN-DIST-2018-09-18-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Greenwood X3 + D&B / Yvonne**
Request ID: **RQ-2018-09-17-65**
Customer: **CEN-DIST**
Project ID: **SMP**

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Date Certified: 26-OCT-2018 11:10



Case Narrative

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

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

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

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

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited 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: GREENWOOD LAKE WEST LOBE @ CENTER Collection Date/Time: 09/17/2018 10:35

Field ID: G2CE0112

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025864	EPA 180.1 Rev. 2.0	Turbidity	4.8		NTU	P351866	
	EPA 300.0 Rev. 2.1	Chloride	24	A	mg Cl/L	P352257	
		Sulfate	5.2	A	mg SO4/L	P352260	
		Color (true)	31		PCU	P351828	
	SM 2120 B	Total Alkalinity	41		mg CaCO3/L	P352050	
	SM 2540 C-97	TDS	110		mg/L	P352287	
	SM 2540 D-97	TSS	5	I	mg/L	P352448	
	SM 4500 F-C-97	Fluoride	0.043	I	mg F/L	P352232	
2025867	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P352107	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P351953	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P351994	
	EPA 365.1 Rev. 2.0	Total-P	0.025		mg P/L	P351897	
	SM 5310 B-00	Organic Carbon	11		mg C/L	P352124	
2025870	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P351846	
2025903	EPA 200.7 Rev. 4.4	Calcium	13.8		mg/L	P351923	
		Iron	66	I	ug/L	P351923	
		Magnesium	1.87		mg/L	P351923	
		Potassium	2.1		mg/L	P351923	
		Sodium	14.3		mg/L	P351923	
		Zinc	5.0	U	ug/L	P351923	
	EPA 200.8 Rev. 5.4	Arsenic	0.58		ug/L	P351923	
		Cadmium	0.020	U	ug/L	P351923	
		Chromium	0.40	U	ug/L	P351923	
		Copper	0.85		ug/L	P351923	
		Lead	0.050	U	ug/L	P351923	
		Nickel	0.20	U	ug/L	P351923	
		Silver	0.010	U	ug/L	P351923	

Sample Location: GREENWOOD LAKE WEST LOBE @ 250M SW OF CENTER **Collection Date/Time: 09/17/2018 10:47**

Field ID: G2CE0136

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025865	EPA 180.1 Rev. 2.0	Turbidity	5.4	A	NTU	P351867	
	EPA 300.0 Rev. 2.1	Chloride	24		mg Cl/L	P352257	
		Sulfate	5.1		mg SO4/L	P352260	
		Color (true)	31		PCU	P351828	
	SM 2320 B-97	Total Alkalinity	41		mg CaCO3/L	P352050	
	SM 2540 C-97	TDS	100	A	mg/L	P352288	
	SM 2540 D-97	TSS	6	IA	mg/L	P352449	
	SM 4500 F-C-97	Fluoride	0.042	I	mg F/L	P352232	
2025868	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P352107	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.99		mg N/L	P351953	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P351994	
	EPA 365.1 Rev. 2.0	Total-P	0.028		mg P/L	P351897	
	SM 5310 B-00	Organic Carbon	11		mg C/L	P352124	
2025871	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P351846	
2025904	EPA 200.7 Rev. 4.4	Calcium	13.4		mg/L	P351923	
		Iron	66	I	ug/L	P351923	
		Magnesium	1.70		mg/L	P351923	
		Potassium	2.1		mg/L	P351923	
		Sodium	13.7		mg/L	P351923	
		Zinc	5.0	U	ug/L	P351923	
	EPA 200.8 Rev. 5.4	Arsenic	0.58		ug/L	P351923	
		Cadmium	0.020	U	ug/L	P351923	
		Chromium	0.40	U	ug/L	P351923	
		Copper	0.92		ug/L	P351923	
		Lead	0.050	U	ug/L	P351923	
		Nickel	0.20	U	ug/L	P351923	
		Silver	0.010	U	ug/L	P351923	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: GREENWOOD LAKE WEST LOBE @ 110M N OF RAMP

Collection Date/Time: 09/17/2018 10:59

Field ID: G2CE0135

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025866	EPA 180.1 Rev. 2.0	Turbidity	5.8		NTU	P351867	
	EPA 300.0 Rev. 2.1	Chloride	24		mg Cl/L	P352257	
		Sulfate	5.0		mg SO4/L	P352260	
	SM 2120 B	Color (true)	30		PCU	P351828	
	SM 2320 B-97	Total Alkalinity	41		mg CaCO3/L	P352050	
	SM 2540 C-97	TDS	98		mg/L	P352288	
	SM 2540 D-97	TSS	7	I	mg/L	P352449	
	SM 4500 F-C-97	Fluoride	0.042	I	mg F/L	P352232	
2025869	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P352107	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P351953	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P351994	
	EPA 365.1 Rev. 2.0	Total-P	0.034		mg P/L	P351897	
	SM 5310 B-00	Organic Carbon	11		mg C/L	P352124	
2025872	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P351846	
2025905	EPA 200.7 Rev. 4.4	Calcium	14.1		mg/L	P351923	
		Iron	100	I	ug/L	P351923	
		Magnesium	1.78		mg/L	P351923	
		Potassium	2.2		mg/L	P351923	
		Sodium	14.3		mg/L	P351923	
		Zinc	5.0	U	ug/L	P351923	
	EPA 200.8 Rev. 5.4	Arsenic	0.60		ug/L	P351923	
		Cadmium	0.020	U	ug/L	P351923	
		Chromium	0.40	U	ug/L	P351923	
		Copper	1.57		ug/L	P351923	
		Lead	0.050	U	ug/L	P351923	
		Nickel	0.20	U	ug/L	P351923	
		Silver	0.010	U	ug/L	P351923	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Collection Date/Time: 09/17/2018 10:59

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes	
2025879	EPA 8321B	Aldicarb	0.020	U	ug/L	P351783	MS	
		Aldicarb Sulfone	0.0020	U	ug/L	P351783		
		Aldicarb Sulfoxide	0.0020	UJ	ug/L	P351783		
		Carbaryl	0.0020	U	ug/L	P351783		
		Carbofuran	0.0020	U	ug/L	P351783		
		3-Hydroxycarbofuran	0.0020	U	ug/L	P351783		
		Methiocarb	0.0020	U	ug/L	P351783		
		Methomyl	0.0020	U	ug/L	P351783		
		Oxamyl	0.0020	U	ug/L	P351783		
		Propoxur	0.0020	U	ug/L	P351783		
2025880		2,4-D	0.013		ug/L	P351783		
		Bentazon	0.037		ug/L	P351783		
		MCP	0.0033	I	ug/L	P351783		
		Triclopyr**	0.0040	U	ug/L	P351783		
		Imidacloprid	0.025		ug/L	P351783		
		Diuron	0.0020	U	ug/L	P351783		
		Pyraclostrobin**	0.0020	U	ug/L	P351783		
		Primidone**	0.0065	I	ug/L	P351783		
		Linuron	0.0040	U	ug/L	P351783		
		Acetaminophen**	0.0080	U	ug/L	P351783		
		Fenuron	0.016	U	ug/L	P351783		
		Imazapyr**	0.054		ug/L	P351783		
		Carbamazepine**	0.0019	I	ug/L	P351783		
		Fluridone**	6.2E-04	I	ug/L	P351783		
		Hydrocodone**	8.0E-04	U	ug/L	P351783		
		Naproxen**	0.0080	U	ug/L	P351783		
		Ibuprofen**	0.020	U	ug/L	P351783		
		Sucralose**	3.4		ug/L	P351652		
		Glyphosate**	0.10	U	ug/L	P351652		
		AMPA**	0.10	U	ug/L	P351652		
Endothall**	0.25	U	ug/L	P351652				
Glufosinate**	0.10	U	ug/L	P351652				
Acesulfame K**	0.10	U	ug/L	P351652				
2025885	EPA 8270D	Aldrin	4.2	U	ng/L	P351944	MS	
		Alpha-BHC	2.1	U	ng/L	P351944		
		Beta-BHC	4.2	U	ng/L	P351944		
		Delta-BHC	4.2	UJ	ng/L	P351944		
		Gamma-BHC	4.2	U	ng/L	P351944		
		Carbophenothion	4.2	U	ng/L	P351944		
		Chlorothalonil	2.1	UJ	ng/L	P351944		RPD
		Cypermethrin	21	U	ng/L	P351944		
		DDD-p,p'	3.2	U	ng/L	P351944		
		DDE-p,p'	3.2	U	ng/L	P351944		

Field ID: G2CE0135

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025885	EPA 8270D	DDT-p,p'	3.2	U	ng/L	P351944	
		Dieldrin	4.2	U	ng/L	P351944	
		Endosulfan I	4.2	U	ng/L	P351944	
		Endosulfan II	4.2	U	ng/L	P351944	
		Endosulfan Sulfate	2.1	U	ng/L	P351944	
		Endrin	2.1	U	ng/L	P351944	
		Endrin Aldehyde	2.1	UJ	ng/L	P351944	CCV, MS, RPD
		Heptachlor	1.6	U	ng/L	P351944	
		Heptachlor Epoxide	2.1	U	ng/L	P351944	
		Methoxychlor	4.2	U	ng/L	P351944	
		Mirex	2.1	U	ng/L	P351944	
		Permethrin	11	U	ng/L	P351944	
		Trifluralin	1.1	U	ng/L	P351944	
		Alpha-Chlordane	1.1	U	ng/L	P351944	
		Gamma-Chlordane	1.1	U	ng/L	P351944	
		Endrin Ketone	2.1	U	ng/L	P351944	
		Dicofol	32	U	ng/L	P351944	
	EPA 8276	Chlordane	2.6	UJ	ng/L	P351944	SUR
		Toxaphene	32	UJ	ng/L	P351944	MS, SUR
2025886	EPA 8270D	Alachlor	0.24	U	ng/L	P351924	
		Ametryn	2.0		ng/L	P351924	
		Atrazine	53		ng/L	P351924	
		Atrazine Desethyl	5.4	IJ	ng/L	P351924	RPD
		Azinphos Methyl	2.2	U	ng/L	P351924	
		Bromacil	0.49	U	ng/L	P351924	
		Butylate	0.39	U	ng/L	P351924	
		Chlorpyrifos Ethyl	0.24	U	ng/L	P351924	
		Chlorpyrifos Methyl	0.097	U	ng/L	P351924	
		Demeton	1.9	UJ	ng/L	P351924	LCS, MS
		Diazinon	0.12	U	ng/L	P351924	
		Disulfoton	0.49	U	ng/L	P351924	
		EPTC	1.2	U	ng/L	P351924	MS
		Ethion	0.15	U	ng/L	P351924	MS, RPD
		Ethoprop	0.097	U	ng/L	P351924	
		Fenamiphos	0.24	U	ng/L	P351924	
		Fipronil	0.49	I	ng/L	P351924	
		Fipronil Sulfide	0.98		ng/L	P351924	
		Fipronil Sulfone	3.4	J	ng/L	P351924	LCS, RPD
		Hexazinone	0.49	U	ng/L	P351924	
		Malathion	0.34	U	ng/L	P351924	
		Metribuzin	0.19	UJ	ng/L	P351924	RPD
		Mevinphos	0.49	U	ng/L	P351924	
		Molinate	0.29	U	ng/L	P351924	
		Norflurazon	0.49	U	ng/L	P351924	

Field ID: G2CE0135

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025886	EPA 8270D	Pendimethalin	0.97	U	ng/L	P351924	
		Phorate	0.24	U	ng/L	P351924	
		Prometon	0.87	U	ng/L	P351924	
		Prometryn	0.19	U	ng/L	P351924	
		Simazine	0.49	U	ng/L	P351924	
		Terbufos	0.097	U	ng/L	P351924	
		Terbutylazine	0.41	U	ng/L	P351924	
		Fonofos	0.19	U	ng/L	P351924	
		Metalaxyl	0.24	U	ng/L	P351924	
		Metolachlor	0.45	I	ng/L	P351924	
		Acetochlor	0.24	U	ng/L	P351924	
		Cyanazine	0.49	U	ng/L	P351924	
		Parathion Ethyl	0.24	U	ng/L	P351924	
		Parathion Methyl	0.24	UJ	ng/L	P351924	LCS

Ref. Method and Comment:

EPA 8321B: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: Refer to the narrative for an explanation of QC Codes.

EPA 8276: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: MS accuracy for Atrazine and Ametryn not assessed due to high content of this parameter in the sample spiked. Refer to the narrative for an explanation of QC Codes. Duplicate samples' precisions for Ametryn, Fipronil Sulfide and Fipronil Sulfone exceed the acceptance criterium of 30%. The sample was re-extracted and re-analyzed (after expiration) and the following results were obtained for the analytes in question: Ametryn 1.2 IQY ng/L, Fipronil Sulfide 1.5 QY ng/L, Fipronil Sulfone 4.2 QY ng/L. "Q" due to sample re-extracted beyond the expiration date; "Y" due to sample extract stored above six degrees Celcius because of power outage caused by Hurricane Michael.

Sample Location: GREENWOOD LAKE WEST LOBE @ 110M N OF RAMP

Collection Date/Time: 09/17/2018 11:08

Field ID: G2CE0135_DUP

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025881	EPA 8321B	Aldicarb	0.020	U	ug/L	P351783	MS
		Aldicarb Sulfone	0.0020	U	ug/L	P351783	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P351783	
		Carbaryl	0.0020	U	ug/L	P351783	
		Carbofuran	0.0020	U	ug/L	P351783	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P351783	
		Methiocarb	0.0020	U	ug/L	P351783	
		Methomyl	0.0020	U	ug/L	P351783	
		Oxamyl	0.0020	U	ug/L	P351783	
		Propoxur	0.0020	U	ug/L	P351783	
2025883		2,4-D	0.013		ug/L	P351783	
		Bentazon	0.041		ug/L	P351783	
		MCP	0.0029	I	ug/L	P351783	
		Triclopyr**	0.0040	U	ug/L	P351783	
		Imidacloprid	0.024		ug/L	P351783	
		Diuron	0.0020	U	ug/L	P351783	
		Pyraclostrobin**	0.0020	U	ug/L	P351783	
		Primidone**	0.0059	I	ug/L	P351783	
		Linuron	0.0040	U	ug/L	P351783	
		Acetaminophen**	0.0080	U	ug/L	P351783	
		Fenuron	0.016	U	ug/L	P351783	
		Imazapyr**	0.047		ug/L	P351783	
		Carbamazepine**	0.0020	I	ug/L	P351783	
		Fluridone**	6.5E-04	I	ug/L	P351783	
		Hydrocodone**	8.0E-04	U	ug/L	P351783	
		Naproxen**	0.0080	U	ug/L	P351783	
		Ibuprofen**	0.020	U	ug/L	P351783	
		Sucralose**	3.2		ug/L	P351652	
		Glyphosate**	0.10	U	ug/L	P351652	
		AMPA**	0.10	U	ug/L	P351652	
2025887	EPA 8270D	Endothal**	0.25	U	ug/L	P351652	
		Glufosinate**	0.10	U	ug/L	P351652	
		Acesulfame K**	0.10	U	ug/L	P351652	
		Aldrin	4.2	U	ng/L	P351944	
		Alpha-BHC	2.1	U	ng/L	P351944	
		Beta-BHC	4.2	U	ng/L	P351944	
		Delta-BHC	4.2	U	ng/L	P351944	
		Gamma-BHC	4.2	U	ng/L	P351944	
		Carbophenothion	4.2	U	ng/L	P351944	
		Chlorothalonil	2.1	U	ng/L	P351944	
		Cypermethrin	21	U	ng/L	P351944	MS
		DDD-p,p'	3.1	U	ng/L	P351944	
		DDE-p,p'	3.1	U	ng/L	P351944	
							RPD

Field ID: G2CE0135_DUP

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025887	EPA 8270D	DDT-p,p'	3.1	U	ng/L	P351944	
		Dieldrin	4.2	U	ng/L	P351944	
		Endosulfan I	4.2	U	ng/L	P351944	
		Endosulfan II	4.2	U	ng/L	P351944	
		Endosulfan Sulfate	2.1	U	ng/L	P351944	
		Endrin	2.1	U	ng/L	P351944	
		Endrin Aldehyde	2.1	UJ	ng/L	P351944	CCV, MS, RPD
		Heptachlor	1.6	U	ng/L	P351944	
		Heptachlor Epoxide	2.1	U	ng/L	P351944	
		Methoxychlor	4.2	U	ng/L	P351944	
		Mirex	2.1	U	ng/L	P351944	
		Permethrin	10	U	ng/L	P351944	
		Trifluralin	1.0	U	ng/L	P351944	
		Alpha-Chlordane	1.0	U	ng/L	P351944	
		Gamma-Chlordane	1.0	U	ng/L	P351944	
		Endrin Ketone	2.1	U	ng/L	P351944	
		Dicofol	31	U	ng/L	P351944	
	EPA 8276	Chlordane	2.6	UJ	ng/L	P351944	SUR
		Toxaphene	31	UJ	ng/L	P351944	MS, SUR
2025889	EPA 8270D	Alachlor	0.25	U	ng/L	P351924	
		Ametryn	1.4		ng/L	P351924	
		Atrazine	51		ng/L	P351924	
		Atrazine Desethyl	5.7	IJ	ng/L	P351924	RPD
		Azinphos Methyl	2.2	U	ng/L	P351924	
		Bromacil	0.49	U	ng/L	P351924	
		Butylate	0.40	U	ng/L	P351924	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P351924	
		Chlorpyrifos Methyl	0.099	U	ng/L	P351924	
		Demeton	2.0	UJ	ng/L	P351924	LCS, MS
		Diazinon	0.12	U	ng/L	P351924	
		Disulfoton	0.49	U	ng/L	P351924	
		EPTC	1.2	U	ng/L	P351924	MS
		Ethion	0.15	U	ng/L	P351924	MS, RPD
		Ethoprop	0.099	U	ng/L	P351924	
		Fenamiphos	0.25	U	ng/L	P351924	
		Fipronil	0.67	I	ng/L	P351924	
		Fipronil Sulfide	1.8		ng/L	P351924	
		Fipronil Sulfone	5.3	J	ng/L	P351924	LCS, RPD
		Hexazinone	0.49	U	ng/L	P351924	
		Malathion	0.35	U	ng/L	P351924	
		Metribuzin	0.20	UJ	ng/L	P351924	RPD
		Mevinphos	0.49	U	ng/L	P351924	
		Molinate	0.30	U	ng/L	P351924	
		Norflurazon	0.49	U	ng/L	P351924	

Field ID: G2CE0135_DUP

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025889	EPA 8270D	Pendimethalin	0.99	U	ng/L	P351924	
		Phorate	0.25	U	ng/L	P351924	
		Prometon	0.89	U	ng/L	P351924	
		Prometryn	0.20	U	ng/L	P351924	
		Simazine	0.49	U	ng/L	P351924	
		Terbufos	0.099	U	ng/L	P351924	
		Terbuthylazine	0.42	U	ng/L	P351924	
		Fonofos	0.20	U	ng/L	P351924	
		Metalaxyl	0.25	U	ng/L	P351924	
		Metolachlor	0.39	I	ng/L	P351924	
		Acetochlor	0.25	U	ng/L	P351924	
		Cyanazine	0.49	U	ng/L	P351924	
		Parathion Ethyl	0.25	U	ng/L	P351924	
		Parathion Methyl	0.25	UJ	ng/L	P351924	LCS

Ref. Method and Comment:

EPA 8270D: Refer to the narrative for an explanation of QC Codes.

EPA 8276: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: MS accuracy for Atrazine and Ametryn not assessed due to high content of this parameter in the sample spiked. Refer to the narrative for an explanation of QC Codes. Duplicate samples' precisions for Ametryn, Fipronil Sulfide and Fipronil Sulfone exceed the acceptance criterium of 30%. The sample was re-extracted and re-analyzed (after expiration) and the following results were obtained for the analytes in question: Ametryn 1.3 QY ng/L, Fipronil Sulfide 1.4 QY ng/L, Fipronil Sulfone 4.9 QY ng/L. "Q" due to sample re-extracted beyond the expiration date; "Y" due to sample extract stored above six degrees Celcius because of power outage caused by Hurricane Michael.

Sample Location: DI SOURCE:WASHROOM

Collection Date/Time: 09/17/2018 11:24

Field ID: BLANK _09172018

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025882	EPA 8321B	Aldicarb	0.020	U	ug/L	P351783	MS
		Aldicarb Sulfone	0.0020	U	ug/L	P351783	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P351783	
		Carbaryl	0.0020	U	ug/L	P351783	
		Carbofuran	0.0020	U	ug/L	P351783	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P351783	
		Methiocarb	0.0020	U	ug/L	P351783	
		Methomyl	0.0020	U	ug/L	P351783	
		Oxamyl	0.0020	U	ug/L	P351783	
		Propoxur	0.0020	U	ug/L	P351783	
2025884		2,4-D	0.0020	U	ug/L	P351783	
		Bentazon	8.0E-04	U	ug/L	P351783	
		MCP	0.0020	U	ug/L	P351783	
		Triclopyr**	0.0040	U	ug/L	P351783	
		Imidacloprid	0.0020	U	ug/L	P351783	
		Diuron	0.0020	U	ug/L	P351783	
		Pyraclostrobin**	0.0020	U	ug/L	P351783	
		Primidone**	0.0040	U	ug/L	P351783	
		Linuron	0.0040	U	ug/L	P351783	
		Acetaminophen**	0.0080	U	ug/L	P351783	
		Fenuron	0.016	U	ug/L	P351783	
		Imazapyr**	0.0040	U	ug/L	P351783	
		Carbamazepine**	8.0E-04	U	ug/L	P351783	
		Fluridone**	4.0E-04	U	ug/L	P351783	
		Hydrocodone**	8.0E-04	U	ug/L	P351783	
		Naproxen**	0.0080	U	ug/L	P351783	
		Ibuprofen**	0.020	U	ug/L	P351783	
		Sucralose**	0.010	U	ug/L	P351652	
		Glyphosate**	0.10	U	ug/L	P351652	
		AMPA**	0.10	U	ug/L	P351652	
2025888	EPA 8270D	Endothall**	0.25	U	ug/L	P351652	
		Glufosinate**	0.10	U	ug/L	P351652	
		Acesulfame K**	0.10	U	ug/L	P351652	
		Aldrin	4.3	U	ng/L	P351944	
		Alpha-BHC	2.2	U	ng/L	P351944	
		Beta-BHC	4.3	U	ng/L	P351944	
		Delta-BHC	4.3	U	ng/L	P351944	
		Gamma-BHC	4.3	U	ng/L	P351944	
		Carbophenothion	4.3	U	ng/L	P351944	
		Chlorothalonil	2.2	U	ng/L	P351944	
		Cypermethrin	22	U	ng/L	P351944	
		DDD-p,p'	3.3	U	ng/L	P351944	
		DDE-p,p'	3.3	U	ng/L	P351944	
		DDT-p,p'	3.3	U	ng/L	P351944	

Field ID: BLANK_09172018

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025888	EPA 8270D	Dieldrin	4.3	U	ng/L	P351944	CCV, MS, RPD
		Endosulfan I	4.3	U	ng/L	P351944	
		Endosulfan II	4.3	U	ng/L	P351944	
		Endosulfan Sulfate	2.2	U	ng/L	P351944	
		Endrin	2.2	U	ng/L	P351944	
		Endrin Aldehyde	2.2	UJ	ng/L	P351944	
		Heptachlor	1.6	U	ng/L	P351944	
		Heptachlor Epoxide	2.2	U	ng/L	P351944	
		Methoxychlor	4.3	U	ng/L	P351944	
		Mirex	2.2	U	ng/L	P351944	
		Permethrin	11	U	ng/L	P351944	
		Trifluralin	1.1	U	ng/L	P351944	
		Alpha-Chlordane	1.1	U	ng/L	P351944	SUR MS, SUR
		Gamma-Chlordane	1.1	U	ng/L	P351944	
		Endrin Ketone	2.2	U	ng/L	P351944	
		Dicofol	33	U	ng/L	P351944	
		Chlordane	2.7	UJ	ng/L	P351944	
		Toxaphene	33	UJ	ng/L	P351944	
2025890	EPA 8270D	Alachlor	0.24	U	ng/L	P351924	RPD
		Ametryn	0.32	U	ng/L	P351924	
		Atrazine	0.24	U	ng/L	P351924	
		Atrazine Desethyl	1.5	UJ	ng/L	P351924	
		Azinphos Methyl	2.2	U	ng/L	P351924	
		Bromacil	0.49	U	ng/L	P351924	
		Butylate	0.39	U	ng/L	P351924	
		Chlorpyrifos Ethyl	0.24	U	ng/L	P351924	
		Chlorpyrifos Methyl	0.097	U	ng/L	P351924	
		Demeton	1.9	UJ	ng/L	P351924	LCS, MS
		Diazinon	0.12	U	ng/L	P351924	
		Disulfoton	0.49	U	ng/L	P351924	
		EPTC	1.2	U	ng/L	P351924	
		Ethion	0.15	U	ng/L	P351924	
		Ethoprop	0.097	U	ng/L	P351924	
		Fenamiphos	0.24	U	ng/L	P351924	
		Fipronil	0.24	U	ng/L	P351924	
		Fipronil Sulfide	0.15	U	ng/L	P351924	
		Fipronil Sulfone	0.15	UJ	ng/L	P351924	LCS, RPD
		Hexazinone	0.49	U	ng/L	P351924	
		Malathion	0.34	U	ng/L	P351924	
		Metribuzin	0.19	UJ	ng/L	P351924	
		Mevinphos	0.49	U	ng/L	P351924	
		Molinate	0.29	U	ng/L	P351924	
		Norflurazon	0.49	U	ng/L	P351924	
		Pendimethalin	0.97	U	ng/L	P351924	

Field ID: BLANK _09172018

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2025890	EPA 8270D	Phorate	0.24	U	ng/L	P351924	
		Prometon	0.87	U	ng/L	P351924	
		Prometryn	0.19	U	ng/L	P351924	
		Simazine	0.49	U	ng/L	P351924	
		Terbufos	0.097	U	ng/L	P351924	
		Terbuthylazine	0.41	U	ng/L	P351924	
		Fonofos	0.19	U	ng/L	P351924	
		Metalaxyl	0.24	U	ng/L	P351924	
		Metolachlor	0.24	U	ng/L	P351924	
		Acetochlor	0.24	U	ng/L	P351924	
		Cyanazine	0.49	U	ng/L	P351924	
		Parathion Ethyl	0.24	U	ng/L	P351924	
		Parathion Methyl	0.24	UJ	ng/L	P351924	LCS

Ref. Method and Comment:
 EPA 8270D: Refer to the narrative for an explanation of QC Codes.
 EPA 8276: Refer to the narrative for an explanation of QC Codes.
 EPA 8270D: MS accuracy for Atrazine and Ametryn not assessed due to high content of this parameter in the sample spiked. Refer to the narrative for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P351866

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P351867

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P351923

Component	Result	Code	Units
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P351923

Component	Result	Code	Units
Arsenic	0.050	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.40	U	ug/L
Copper	0.20	U	ug/L
Lead	0.050	U	ug/L
Nickel	0.20	U	ug/L
Silver	0.010	U	ug/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352257

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352260

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P352107

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P351953

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

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P351994

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

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P351897

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P351846

Component	Result	Code	Units
O-Phosphate-P	0.004	U	mg P/L

Reference Method: EPA 8270D
 Batch ID: P351924

Component	Result	Code	Units
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.32	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Azinphos Methyl	2.2	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Cyanazine	0.50	U	ng/L
Demeton	2.0	U	ng/L
Diazinon	0.12	U	ng/L
Disulfoton	0.50	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Fenamiphos	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Malathion	0.35	U	ng/L
Metaxyl	0.25	U	ng/L
Metolachlor	0.25	U	ng/L
Metribuzin	0.20	U	ng/L
Mevinphos	0.50	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270D
Batch ID: P351924

Component	Result	Code	Units
Molinate	0.30	U	ng/L
Norflurazon	0.50	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.25	U	ng/L
Pendimethalin	1.0	U	ng/L
Phorate	0.25	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Simazine	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbutylazine	0.42	U	ng/L

Reference Method: EPA 8270D
Batch ID: P351944

Component	Result	Code	Units
Aldrin	4.0	U	ng/L
Alpha-BHC	2.0	U	ng/L
Alpha-Chlordane	1.0	U	ng/L
Beta-BHC	4.0	U	ng/L
Carbophenothion	4.0	U	ng/L
Chlorothalonil	2.0	U	ng/L
Cypermethrin	20	U	ng/L
DDD-p,p'	3.0	U	ng/L
DDE-p,p'	3.0	U	ng/L
DDT-p,p'	3.0	U	ng/L
Delta-BHC	4.0	U	ng/L
Dicofol	30	U	ng/L
Dieldrin	4.0	U	ng/L
Endosulfan I	4.0	U	ng/L
Endosulfan II	4.0	U	ng/L
Endosulfan Sulfate	2.0	U	ng/L
Endrin	2.0	U	ng/L
Endrin Aldehyde	2.0	U	ng/L
Endrin Ketone	2.0	U	ng/L
Gamma-BHC	4.0	U	ng/L
Gamma-Chlordane	1.0	U	ng/L
Heptachlor	1.5	U	ng/L
Heptachlor Epoxide	2.0	U	ng/L
Methoxychlor	4.0	U	ng/L
Mirex	2.0	U	ng/L
Permethrin	10	U	ng/L
Trifluralin	1.0	U	ng/L

Reference Method: EPA 8276
Batch ID: P351944

Component	Result	Code	Units
Chlordane	2.5	U	ng/L
Toxaphene	30	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P351652

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

Reference Method: EPA 8321B
Batch ID: P351783

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
3-Hydroxycarbofuran	0.0020	U	ug/L
Acetaminophen	0.0080	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
Carbamazepine	8.0E-04	U	ug/L
Carbaryl	0.0020	U	ug/L
Carbofuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.016	U	ug/L
Fluridone	4.0E-04	U	ug/L
Hydrocodone	8.0E-04	U	ug/L
Ibuprofen	0.020	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	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
Triclopyr	0.0040	U	ug/L

Reference Method: SM 2120 B
Batch ID: P351828

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97
Batch ID: P352050

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 C-97
Batch ID: P352287

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-97
Batch ID: P352288

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P352448

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P352449

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P352232

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P352124

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P351923

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	98.0		P	85 - 115
Iron	99.2		P	85 - 115
Magnesium	99.9		P	85 - 115
Potassium	97.5		P	85 - 115
Sodium	101		P	85 - 115
Zinc	95.8		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P351923

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Arsenic	103		P	85 - 115
Cadmium	105		P	85 - 115
Chromium	110		P	85 - 115
Copper	94.2		P	85 - 115
Lead	107		P	85 - 115
Nickel	96.5		P	85 - 115
Silver	105		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352257

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352260

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	97.3		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P352107

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P351953

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	96.1		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P351994

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO ₂ NO ₃ -N	98.0		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P351897

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P351846

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.3		P	90 - 110

Reference Method: EPA 8270D

Batch ID: P351924

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	109	93.6	P/P	74 - 119
Alachlor	109	91.1	P/P	75 - 118
Ametryn	101	89.2	P/P	59 - 137
Atrazine	91.6	90.8	P/P	73 - 120
Atrazine Desethyl	89.5	65.1	P/P	19 - 129
Azinphos Methyl	131	98.6	P/P	65 - 181
Bromacil	90.3	81.0	P/P	43 - 123
Butylate	72.8	61.5	P/P	28 - 85.0
Chlorpyrifos Ethyl	104	94.5	P/P	55 - 112
Chlorpyrifos Methyl	110	92.4	P/P	35 - 124
Cyanazine	104	82.1	P/P	26 - 262
Demeton	179	148	F/F	43 - 122
Diazinon	105	94.4	P/P	72 - 120
Disulfoton	109	84.3	P/P	45 - 137
EPTC	68.5	60.3	P/P	28 - 95.0
Ethion	105	108	P/P	63 - 127
Ethoprop	84.3	73.5	P/P	63 - 109
Fenamiphos	103	98.7	P/P	66 - 136
Fipronil	82.3	71.7	P/P	63 - 126
Fipronil Sulfide	83.0	77.8	P/P	59 - 123
Fipronil Sulfone	80.4	55.5	P/F	56 - 122
Fonofos	92.7	83.7	P/P	64 - 114
Hexazinone	106	94.6	P/P	49 - 144
Malathion	96.6	92.2	P/P	68 - 131
Metaxyl	92.2	86.6	P/P	57 - 126
Metolachlor	100	95.8	P/P	75 - 118
Metribuzin	156	115	P/P	46 - 169
Mevinphos	73.7	70.4	P/P	34 - 126
Molinate	74.0	63.6	P/P	37 - 101
Norflurazon	85.6	76.1	P/P	63 - 127
Parathion Ethyl	102	92.4	P/P	78 - 109
Parathion Methyl	125	92.2	F/P	74 - 123
Pendimethalin	126	114	P/P	51 - 130
Phorate	88.2	73.2	P/P	53 - 116
Prometon	95.4	87.8	P/P	66 - 124
Prometryn	95.2	97.4	P/P	66 - 124
Simazine	112	95.9	P/P	62 - 134
Terbufos	100	81.0	P/P	59 - 115
Terbutylazine	107	96.9	P/P	76 - 113

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270D

Batch ID: P351944

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	76.5	75.3	P/P	24 - 89.0
Alpha-BHC	92.0	93.7	P/P	58 - 117
Alpha-Chlordane	92.7	93.7	P/P	56 - 115
Beta-BHC	106	111	P/P	55 - 137
Carbophenothion	107	108	P/P	37 - 145
Chlorothalonil	81.0	79.9	P/P	26 - 163
Cypermethrin	125	128	P/P	42 - 156
DDD-p,p'	105	112	P/P	59 - 129
DDE-p,p'	89.9	91.5	P/P	52 - 117
DDT-p,p'	98.6	99.9	P/P	48 - 128
Delta-BHC	130	133	P/P	59 - 158
Dicofol	96.5	123	P/P	19 - 124
Dieldrin	97.9	97.4	P/P	57 - 126
Endosulfan I	96.4	94.1	P/P	59 - 133
Endosulfan II	106	118	P/P	58 - 148
Endosulfan Sulfate	111	114	P/P	56 - 135
Endrin	100	97.9	P/P	50 - 140
Endrin Aldehyde	62.1	51.1	P/P	47 - 141
Endrin Ketone	110	113	P/P	63 - 123
Gamma-BHC	102	106	P/P	59 - 132
Gamma-Chlordane	90.4	92.1	P/P	55 - 112
Heptachlor	78.8	77.7	P/P	45 - 102
Heptachlor Epoxide	92.8	92.5	P/P	61 - 116
Methoxychlor	107	112	P/P	60 - 133
Mirex	81.2	83.0	P/P	40 - 98.0
Permethrin	97.1	102	P/P	45 - 131
Trifluralin	87.2	91.3	P/P	38 - 179

Reference Method: EPA 8276

Batch ID: P351944

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	83.6	93.0	P/P	47 - 125
Toxaphene	134	131	P/P	46 - 147

Reference Method: EPA 8321B

Batch ID: P351652

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	91.4		P	40 - 150
AMPA	92.7		P	40 - 140
Endothall	105		P	40 - 150
Glufosinate	95.9		P	40 - 150
Glyphosate	90.4		P	40 - 140
Sucralose	122		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P351783

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	77.6		P	40 - 150
3-Hydroxycarbofuran	81.9		P	40 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P351783

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetaminophen	77.3		P	30 - 150
Aldicarb	74.8		P	30 - 150
Aldicarb Sulfone	74.1		P	40 - 150
Aldicarb Sulfoxide	81.4		P	40 - 150
Bentazon	70.6		P	30 - 150
Carbamazepine	70.9		P	40 - 150
Carbaryl	63.0		P	40 - 150
Carbofuran	68.2		P	40 - 150
Diuron	63.7		P	40 - 150
Fenuron	93.5		P	40 - 150
Fluridone	85.5		P	40 - 150
Hydrocodone	89.5		P	40 - 150
Ibuprofen	89.7		P	40 - 150
Imazapyr	74.5		P	40 - 150
Imidacloprid	77.6		P	40 - 160
Linuron	56.8		P	40 - 150
MCPP	101		P	40 - 150
Methiocarb	54.6		P	40 - 150
Methomyl	78.2		P	40 - 150
Naproxen	70.2		P	40 - 150
Oxamyl	76.9		P	40 - 150
Primidone	63.8		P	40 - 150
Propoxur	64.9		P	40 - 150
Pyraclostrobin	68.4		P	40 - 150
Triclopyr	94.0		P	40 - 150

Reference Method: SM 2120 B

Batch ID: P351828

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	97.8		P	85 - 115

Reference Method: SM 2320 B-97

Batch ID: P352050

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	98 - 107

Reference Method: SM 4500 F-C-97

Batch ID: P352232

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	96.1		P	91 - 105

Reference Method: SM 5310 B-00

Batch ID: P352124

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P351923

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025412	Calcium	92.7		P	80 - 120
2025412	Iron	93.1		P	80 - 120
2025412	Magnesium	92.7		P	80 - 120
2025412	Potassium	90.2		P	80 - 120
2025412	Sodium	92.6		P	80 - 120
2025412	Zinc	91.5		P	80 - 120
2026027	Calcium	95.6		P	80 - 120
2026027	Iron	98.1	99.4	P/P	80 - 120
2026027	Magnesium	95.4	98.2	P/P	80 - 120
2026027	Potassium	93.6	94.9	P/P	80 - 120
2026027	Sodium	96.8		P	80 - 120
2026027	Zinc	97.5	97.8	P/P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P351923

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025412	Arsenic	102		P	80 - 120
2025412	Cadmium	104		P	80 - 120
2025412	Chromium	110		P	80 - 120
2025412	Copper	94.1		P	80 - 120
2025412	Lead	104		P	80 - 120
2025412	Nickel	97.2		P	80 - 120
2025412	Silver	104		P	80 - 120
2026027	Arsenic	106	106	P/P	80 - 120
2026027	Cadmium	106	105	P/P	80 - 120
2026027	Chromium	112	110	P/P	80 - 120
2026027	Copper	98.1	95.0	P/P	80 - 120
2026027	Lead	104	103	P/P	80 - 120
2026027	Nickel	100	91.5	P/P	80 - 120
2026027	Silver	105	103	P/P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352257

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025864	Chloride	96.1		P	90 - 110
2026007	Chloride	99.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352260

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025864	Sulfate	95.1		P	90 - 110
2026007	Sulfate	99.7		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P352107

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025828	Ammonia-N	95.7	98.2	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P351953

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025831	Kjeldahl Nitrogen	87.8	86.2	F/F	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P351994

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025828	NO2NO3-N	100	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P351897

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025894	Total-P	97.3	99.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P351846

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025895	O-Phosphate-P	95.6	99.0	P/P	90 - 110

Reference Method: EPA 8270D
 Batch ID: P351924

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2027107	Acetochlor	115	99.5	P/P	67 - 125
2027107	Alachlor	110	97.1	P/P	69 - 123
2027107	Atrazine Desethyl	88.7	85.4	P/P	10 - 129
2027107	Azinphos Methyl	113	105	P/P	48 - 200
2027107	Bromacil	83.1	79.0	P/P	46 - 130
2027107	Butylate	79.0	60.9	P/P	10 - 85.0
2027107	Chlorpyrifos Ethyl	114	95.0	P/P	54 - 115
2027107	Chlorpyrifos Methyl	117	100	P/P	44 - 117
2027107	Cyanazine	89.0	92.6	P/P	10 - 262
2027107	Demeton	200	177	F/F	24 - 145
2027107	Diazinon	117	98.8	P/P	66 - 129
2027107	Disulfoton	117	97.2	P/P	45 - 139
2027107	EPTC	103	89.2	F/F	10 - 86.0
2027107	Ethion	142	103	F/P	59 - 133
2027107	Ethoprop	92.0	82.1	P/P	54 - 116
2027107	Fenamiphos	110	106	P/P	55 - 140
2027107	Fipronil	80.4	75.9	P/P	37 - 142
2027107	Fipronil Sulfide	81.5	75.1	P/P	37 - 130
2027107	Fipronil Sulfone	55.6	58.8	P/P	18 - 143
2027107	Fonofos	105	91.3	P/P	55 - 118
2027107	Hexazinone	111	95.8	P/P	62 - 140
2027107	Malathion	106	97.1	P/P	64 - 132
2027107	Metalaxyl	95.3	86.3	P/P	55 - 129
2027107	Metolachlor	102	101	P/P	56 - 137
2027107	Metribuzin	159	139	P/P	16 - 218
2027107	Mevinphos	90.4	80.7	P/P	34 - 129
2027107	Molinate	81.4	70.1	P/P	16 - 99.0
2027107	Norflurazon	72.2	59.7	P/P	43 - 135

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270D
Batch ID: P351924

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2027107	Parathion Ethyl	107	87.1	P/P	71 - 112
2027107	Parathion Methyl	127	107	P/P	65 - 127
2027107	Pendimethalin	140	116	P/P	35 - 159
2027107	Phorate	95.8	81.5	P/P	41 - 129
2027107	Prometon	99.2	88.0	P/P	56 - 140
2027107	Prometryn	99.2	90.6	P/P	65 - 130
2027107	Simazine	109	100	P/P	54 - 148
2027107	Terbufos	109	93.7	P/P	53 - 126
2027107	Terbutylazine	112	95.9	P/P	73 - 114

Reference Method: EPA 8270D
Batch ID: P351944

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025885	Aldrin	42.8	38.3	P/P	26 - 96.0
2025885	Alpha-BHC	102	81.0	P/P	51 - 123
2025885	Alpha-Chlordane	53.2	47.1	P/P	45 - 120
2025885	Beta-BHC	61.5	79.0	P/P	43 - 146
2025885	Carbophenothion	111	90.2	P/P	26 - 179
2025885	Chlorothalonil	153	91.7	P/P	10 - 215
2025885	Cypermethrin	107	107	P/P	35 - 169
2025885	DDD-p,p'	59.5	63.6	P/P	49 - 131
2025885	DDE-p,p'	50.7	45.6	P/P	39 - 127
2025885	DDT-p,p'	63.7	68.2	P/P	49 - 120
2025885	Delta-BHC	219	188	F/F	49 - 187
2025885	Dicofol	76.0	76.1	P/P	10 - 129
2025885	Dieldrin	60.1	49.5	P/P	46 - 132
2025885	Endosulfan I	80.2	69.2	P/P	57 - 130
2025885	Endosulfan II	71.9	58.3	P/P	52 - 148
2025885	Endosulfan Sulfate	70.4	84.9	P/P	55 - 129
2025885	Endrin	61.3	52.2	P/P	45 - 133
2025885	Endrin Aldehyde	18.5	27.8	F/P	26 - 140
2025885	Endrin Ketone	80.1	83.0	P/P	60 - 125
2025885	Gamma-BHC	105	97.5	P/P	50 - 145
2025885	Gamma-Chlordane	51.5	46.1	P/P	44 - 118
2025885	Heptachlor	45.4	38.4	P/P	35 - 106
2025885	Heptachlor Epoxide	62.2	54.7	P/P	52 - 123
2025885	Methoxychlor	75.0	80.0	P/P	54 - 132
2025885	Mirex	52.5	57.1	P/P	36 - 107
2025885	Permethrin	76.5	70.8	P/P	47 - 135
2025885	Trifluralin	57.2	54.9	P/P	32 - 228

Reference Method: EPA 8276
Batch ID: P351944

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2027106	Chlordane	110	95.9	P/P	41 - 134
2027106	Toxaphene	204	213	F/F	39 - 158

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P351652

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025880	Acesulfame K	54.9	56.4	P/P	40 - 150
2025880	AMPA	96.6	97.6	P/P	40 - 140
2025880	Endothall	128	129	P/P	40 - 150
2025880	Glufosinate	92.8	92.2	P/P	40 - 150
2025880	Glyphosate	86.1	86.2	P/P	40 - 140
2025880	Sucralose	122	127	P/P	40 - 150

Reference Method: EPA 8321B
 Batch ID: P351783

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025879	3-Hydroxycarbofuran	66.0	63.6	P/P	40 - 150
2025879	Aldicarb	66.5	56.8	P/P	30 - 150
2025879	Aldicarb Sulfone	70.2	65.1	P/P	40 - 150
2025879	Aldicarb Sulfoxide	24.5	26.3	F/F	40 - 150
2025879	Carbaryl	45.2	43.1	P/P	40 - 150
2025879	Carbofuran	45.7	40.4	P/P	40 - 150
2025879	Methiocarb	44.0	41.8	P/P	40 - 150
2025879	Methomyl	62.3	61.3	P/P	40 - 150
2025879	Oxamyl	62.6	56.4	P/P	40 - 150
2025879	Propoxur	45.7	40.7	P/P	40 - 150
2025880	2,4-D	116	95.7	P/P	40 - 150
2025880	Acetaminophen	76.8	91.9	P/P	30 - 150
2025880	Bentazon	81.4	53.0	P/P	30 - 150
2025880	Carbamazepine	55.7	56.8	P/P	40 - 150
2025880	Diuron	45.9	50.3	P/P	40 - 150
2025880	Fenuron	60.5	64.8	P/P	40 - 150
2025880	Fluridone	77.4	91.4	P/P	40 - 150
2025880	Hydrocodone	77.5	93.3	P/P	40 - 150
2025880	Ibuprofen	116	121	P/P	40 - 150
2025880	Imazapyr	79.7	94.2	P/P	40 - 150
2025880	Imidacloprid	96.5	119	P/P	40 - 160
2025880	Linuron	47.2	53.3	P/P	40 - 150
2025880	MCPP	127	135	P/P	40 - 150
2025880	Naproxen	92.2	88.3	P/P	40 - 150
2025880	Primidone	62.0	65.9	P/P	40 - 150
2025880	Pyraclostrobin	80.8	93.5	P/P	40 - 150
2025880	Triclopyr	138	135	P/P	40 - 150

Reference Method: SM 4500 F-C-97
 Batch ID: P352232

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025892	Fluoride	103	104	P/P	91 - 105

Reference Method: SM 5310 B-00
 Batch ID: P352124

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2025782	Organic Carbon	99.1	98.2	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P351866

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025773	Turbidity	0.115	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P351867

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025865	Turbidity	5.04	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P351923

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2026027	Calcium	1.34	Spike	P	0 - 20
2026027	Iron	1.33	Spike	P	0 - 20
2026027	Magnesium	1.79	Spike	P	0 - 20
2026027	Potassium	0.781	Spike	P	0 - 20
2026027	Sodium	2.53	Spike	P	0 - 20
2026027	Zinc	0.294	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P351923

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2026027	Arsenic	0.338	Spike	P	0 - 20
2026027	Cadmium	0.440	Spike	P	0 - 20
2026027	Chromium	1.09	Spike	P	0 - 20
2026027	Copper	3.15	Spike	P	0 - 20
2026027	Lead	0.998	Spike	P	0 - 20
2026027	Nickel	8.90	Spike	P	0 - 20
2026027	Silver	1.77	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352257

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025864	Chloride	0.455	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P352260

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025864	Sulfate	0.398	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P352107

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025828	Ammonia-N	2.16	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P351953

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025831	Kjeldahl Nitrogen	1.47	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P351994

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025828	NO2NO3-N	0.897	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P351897

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025894	Total-P	1.91	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P351846

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025895	O-Phosphate-P	2.35	Spike	P	0 - 20

Reference Method: EPA 8270D
 Batch ID: P351924

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2027107	Acetochlor	14.7	Spike	P	0 - 30
2027107	Alachlor	12.9	Spike	P	0 - 30
2027107	Ametryn	18.5	Spike	P	0 - 30
2027107	Atrazine	0.528	Spike	P	0 - 30
2027107	Atrazine Desethyl	3.83	Spike	P	0 - 30
2027107	Azinphos Methyl	7.25	Spike	P	0 - 30
2027107	Bromacil	5.12	Spike	P	0 - 30
2027107	Butylate	22.1	Spike	P	0 - 30
2027107	Chlorpyrifos Ethyl	18.2	Spike	P	0 - 30
2027107	Chlorpyrifos Methyl	15.0	Spike	P	0 - 30
2027107	Cyanazine	3.92	Spike	P	0 - 30
2027107	Demeton	11.9	Spike	P	0 - 30
2027107	Diazinon	16.8	Spike	P	0 - 30
2027107	Disulfoton	18.5	Spike	P	0 - 30
2027107	EPTC	14.4	Spike	P	0 - 30
2027107	Ethion	31.6	Spike	F	0 - 30

Quality Assurance Report

Precision

Reference Method: EPA 8270D

Batch ID: P351924

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2027107	Ethoprop	11.4	Spike	P	0 - 30
2027107	Fenamiphos	3.67	Spike	P	0 - 30
2027107	Fipronil	5.76	Spike	P	0 - 30
2027107	Fipronil Sulfide	7.23	Spike	P	0 - 30
2027107	Fipronil Sulfone	3.61	Spike	P	0 - 30
2027107	Fonofos	14.3	Spike	P	0 - 30
2027107	Hexazinone	11.2	Spike	P	0 - 30
2027107	Malathion	9.13	Spike	P	0 - 30
2027107	Metalaxyl	9.20	Spike	P	0 - 30
2027107	Metolachlor	0.797	Spike	P	0 - 30
2027107	Metribuzin	13.0	Spike	P	0 - 30
2027107	Mevinphos	11.3	Spike	P	0 - 30
2027107	Molinate	14.9	Spike	P	0 - 30
2027107	Norflurazon	19.0	Spike	P	0 - 30
2027107	Parathion Ethyl	20.3	Spike	P	0 - 30
2027107	Parathion Methyl	16.4	Spike	P	0 - 30
2027107	Pendimethalin	18.3	Spike	P	0 - 30
2027107	Phorate	16.1	Spike	P	0 - 30
2027107	Prometon	12.0	Spike	P	0 - 30
2027107	Prometryn	9.12	Spike	P	0 - 30
2027107	Simazine	8.28	Spike	P	0 - 30
2027107	Terbufos	15.3	Spike	P	0 - 30
2027107	Terbuthylazine	15.4	Spike	P	0 - 30
LFB	Acetochlor	15.2	LCS	P	0 - 30
LFB	Alachlor	18.3	LCS	P	0 - 30
LFB	Ametryn	12.6	LCS	P	0 - 30
LFB	Atrazine	0.835	LCS	P	0 - 30
LFB	Atrazine Desethyl	31.5	LCS	F	0 - 30
LFB	Azinphos Methyl	28.0	LCS	P	0 - 30
LFB	Bromacil	10.9	LCS	P	0 - 30
LFB	Butylate	16.8	LCS	P	0 - 30
LFB	Chlorpyrifos Ethyl	9.47	LCS	P	0 - 30
LFB	Chlorpyrifos Methyl	17.5	LCS	P	0 - 30
LFB	Cyanazine	23.6	LCS	P	0 - 30
LFB	Demeton	19.1	LCS	P	0 - 30
LFB	Diazinon	10.9	LCS	P	0 - 30
LFB	Disulfoton	25.2	LCS	P	0 - 30
LFB	EPTC	12.9	LCS	P	0 - 30
LFB	Ethion	2.87	LCS	P	0 - 30
LFB	Ethoprop	13.8	LCS	P	0 - 30
LFB	Fenamiphos	4.53	LCS	P	0 - 30
LFB	Fipronil	13.8	LCS	P	0 - 30
LFB	Fipronil Sulfide	6.38	LCS	P	0 - 30
LFB	Fipronil Sulfone	36.6	LCS	F	0 - 30
LFB	Fonofos	10.2	LCS	P	0 - 30
LFB	Hexazinone	11.2	LCS	P	0 - 30
LFB	Malathion	4.71	LCS	P	0 - 30
LFB	Metalaxyl	6.25	LCS	P	0 - 30
LFB	Metolachlor	4.64	LCS	P	0 - 30
LFB	Metribuzin	30.2	LCS	F	0 - 30
LFB	Mevinphos	4.51	LCS	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270D

Batch ID: P351924

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Molinate	15.2	LCS	P	0 - 30
LFB	Norflurazon	11.7	LCS	P	0 - 30
LFB	Parathion Ethyl	9.78	LCS	P	0 - 30
LFB	Parathion Methyl	29.9	LCS	P	0 - 30
LFB	Pendimethalin	10.5	LCS	P	0 - 30
LFB	Phorate	18.6	LCS	P	0 - 30
LFB	Prometon	8.26	LCS	P	0 - 30
LFB	Prometryn	2.24	LCS	P	0 - 30
LFB	Simazine	15.4	LCS	P	0 - 30
LFB	Terbufos	21.2	LCS	P	0 - 30
LFB	Terbutylazine	9.97	LCS	P	0 - 30

Reference Method: EPA 8270D

Batch ID: P351944

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025885	Aldrin	11.1	Spike	P	0 - 30
2025885	Alpha-BHC	22.8	Spike	P	0 - 30
2025885	Alpha-Chlordane	12.1	Spike	P	0 - 30
2025885	Beta-BHC	24.9	Spike	P	0 - 30
2025885	Carbophenothion	20.5	Spike	P	0 - 30
2025885	Chlorothalonil	50.4	Spike	F	0 - 30
2025885	Cypermethrin	0.420	Spike	P	0 - 30
2025885	DDD-p,p'	6.67	Spike	P	0 - 30
2025885	DDE-p,p'	10.6	Spike	P	0 - 30
2025885	DDT-p,p'	6.92	Spike	P	0 - 30
2025885	Delta-BHC	15.7	Spike	P	0 - 30
2025885	Dicofol	0.144	Spike	P	0 - 30
2025885	Dieldrin	19.3	Spike	P	0 - 30
2025885	Endosulfan I	14.7	Spike	P	0 - 30
2025885	Endosulfan II	20.9	Spike	P	0 - 30
2025885	Endosulfan Sulfate	16.4	Spike	P	0 - 30
2025885	Endrin	16.0	Spike	P	0 - 30
2025885	Endrin Aldehyde	40.0	Spike	F	0 - 30
2025885	Endrin Ketone	3.51	Spike	P	0 - 30
2025885	Gamma-BHC	7.07	Spike	P	0 - 30
2025885	Gamma-Chlordane	11.0	Spike	P	0 - 30
2025885	Heptachlor	16.7	Spike	P	0 - 30
2025885	Heptachlor Epoxide	12.8	Spike	P	0 - 30
2025885	Methoxychlor	6.53	Spike	P	0 - 30
2025885	Mirex	8.48	Spike	P	0 - 30
2025885	Permethrin	7.77	Spike	P	0 - 30
2025885	Trifluralin	4.11	Spike	P	0 - 30
LFB	Aldrin	1.46	LCS	P	0 - 30
LFB	Alpha-BHC	1.87	LCS	P	0 - 30
LFB	Alpha-Chlordane	1.09	LCS	P	0 - 30
LFB	Beta-BHC	4.87	LCS	P	0 - 30
LFB	Carbophenothion	1.51	LCS	P	0 - 30
LFB	Chlorothalonil	1.30	LCS	P	0 - 30
LFB	Cypermethrin	2.80	LCS	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270D
Batch ID: P351944

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	DDD-p,p'	6.75	LCS	P	0 - 30
LFB	DDE-p,p'	1.75	LCS	P	0 - 30
LFB	DDT-p,p'	1.38	LCS	P	0 - 30
LFB	Delta-BHC	2.03	LCS	P	0 - 30
LFB	Dicofol	24.1	LCS	P	0 - 30
LFB	Dieldrin	0.464	LCS	P	0 - 30
LFB	Endosulfan I	2.38	LCS	P	0 - 30
LFB	Endosulfan II	10.8	LCS	P	0 - 30
LFB	Endosulfan Sulfate	2.90	LCS	P	0 - 30
LFB	Endrin	2.46	LCS	P	0 - 30
LFB	Endrin Aldehyde	19.6	LCS	P	0 - 30
LFB	Endrin Ketone	3.13	LCS	P	0 - 30
LFB	Gamma-BHC	4.12	LCS	P	0 - 30
LFB	Gamma-Chlordane	1.86	LCS	P	0 - 30
LFB	Heptachlor	1.39	LCS	P	0 - 30
LFB	Heptachlor Epoxide	0.299	LCS	P	0 - 30
LFB	Methoxychlor	4.38	LCS	P	0 - 30
LFB	Mirex	2.17	LCS	P	0 - 30
LFB	Permethrin	5.11	LCS	P	0 - 30
LFB	Trifluralin	4.67	LCS	P	0 - 30

Reference Method: EPA 8276
Batch ID: P351944

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2027106	Chlordane	13.9	Spike	P	0 - 30
2027106	Toxaphene	4.27	Spike	P	0 - 30
LFB	Chlordane	10.7	LCS	P	0 - 30
LFB	Toxaphene	2.17	LCS	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P351652

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025880	Acesulfame K	2.84	Spike	P	0 - 30
2025880	AMPA	1.04	Spike	P	0 - 30
2025880	Endothall	0.751	Spike	P	0 - 30
2025880	Glufosinate	0.575	Spike	P	0 - 30
2025880	Glyphosate	0.117	Spike	P	0 - 30
2025880	Sucralose	1.80	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P351783

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025879	3-Hydroxycarbofuran	3.60	Spike	P	0 - 30
2025879	Aldicarb	15.7	Spike	P	0 - 30
2025879	Aldicarb Sulfone	7.58	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P351783

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025879	Aldicarb Sulfoxide	7.13	Spike	P	0 - 30
2025879	Carbaryl	4.70	Spike	P	0 - 30
2025879	Carbofuran	12.4	Spike	P	0 - 30
2025879	Methiocarb	5.07	Spike	P	0 - 30
2025879	Methomyl	1.66	Spike	P	0 - 30
2025879	Oxamyl	10.3	Spike	P	0 - 30
2025879	Propoxur	11.5	Spike	P	0 - 30
2025880	2,4-D	16.6	Spike	P	0 - 30
2025880	Acetaminophen	17.9	Spike	P	0 - 30
2025880	Bentazon	25.0	Spike	P	0 - 30
2025880	Carbamazepine	1.98	Spike	P	0 - 30
2025880	Diuron	9.19	Spike	P	0 - 30
2025880	Fenuron	6.88	Spike	P	0 - 30
2025880	Fluridone	16.4	Spike	P	0 - 30
2025880	Hydrocodone	18.6	Spike	P	0 - 30
2025880	Ibuprofen	4.44	Spike	P	0 - 30
2025880	Imazapyr	9.36	Spike	P	0 - 30
2025880	Imidacloprid	16.1	Spike	P	0 - 30
2025880	Linuron	12.0	Spike	P	0 - 30
2025880	MCPP	6.08	Spike	P	0 - 30
2025880	Naproxen	4.32	Spike	P	0 - 30
2025880	Primidone	5.41	Spike	P	0 - 30
2025880	Pyraclostrobin	14.5	Spike	P	0 - 30
2025880	Triclopyr	1.95	Spike	P	0 - 30

Reference Method: SM 2120 B
Batch ID: P351828

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025823	Color (true)	1.96	Sample	P	0 - 20

Reference Method: SM 2320 B-97
Batch ID: P352050

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025892	Total Alkalinity	0.0542	Sample	P	0 - 1.6

Reference Method: SM 2540 C-97
Batch ID: P352287

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025720	TDS	2.74	Sample	P	0 - 10

Reference Method: SM 2540 C-97
Batch ID: P352288

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
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Quality Assurance Report Precision

Reference Method: SM 2540 C-97
Batch ID: P352288

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025865	TDS	4.00	Sample	P	0 - 10

Reference Method: SM 2540 D-97
Batch ID: P352448

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025720	TSS	5.88	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
Batch ID: P352232

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025892	Fluoride	0.487	Spike	P	0 - 3.5

Reference Method: SM 5310 B-00
Batch ID: P352124

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2025782	Organic Carbon	0.662	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Surrogates

Lab Sample ID: 2025879
Field Sample ID: G2CE0135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	51.1	P	30 - 160

Lab Sample ID: 2025880
Field Sample ID: G2CE0135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	98.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	81.4	P	30 - 160
EPA 8321B	Carbamazepine-d10	54.1	P	30 - 160
EPA 8321B	Diuron-d6	47.3	P	30 - 160
EPA 8321B	Endothall-d6	144	P	40 - 160
EPA 8321B	Glyphosate 13C 15N	110	P	40 - 160
EPA 8321B	Ibuprofen-d3	82.8	P	30 - 160
EPA 8321B	Primidone-d5	68.6	P	30 - 160
EPA 8321B	Sucralose-d6	116	P	40 - 160

Lab Sample ID: 2025881
Field Sample ID: G2CE0135_DUP

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	49.5	P	30 - 160

Lab Sample ID: 2025882
Field Sample ID: BLANK _09172018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	92.6	P	30 - 160

Lab Sample ID: 2025883
Field Sample ID: G2CE0135_DUP

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	114	P	30 - 160
EPA 8321B	Acetaminophen-d4	82.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	57.3	P	30 - 160
EPA 8321B	Diuron-d6	49.5	P	30 - 160
EPA 8321B	Endothall-d6	148	P	40 - 160
EPA 8321B	Glyphosate 13C 15N	106	P	40 - 160
EPA 8321B	Ibuprofen-d3	81.4	P	30 - 160
EPA 8321B	Primidone-d5	63.0	P	30 - 160
EPA 8321B	Sucralose-d6	114	P	40 - 160

Lab Sample ID: 2025884
Field Sample ID: BLANK _09172018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	59.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	75.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	84.7	P	30 - 160
EPA 8321B	Diuron-d6	78.1	P	30 - 160
EPA 8321B	Endothall-d6	119	P	40 - 160
EPA 8321B	Glyphosate 13C 15N	123	P	40 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2025884

Field Sample ID: BLANK _09172018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Ibuprofen-d3	96.0	P	30 - 160
EPA 8321B	Primidone-d5	80.9	P	30 - 160
EPA 8321B	Sucralose-d6	117	P	40 - 160

Lab Sample ID: 2025885

Field Sample ID: G2CE0135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	64.5	P	37 - 117
EPA 8270D	Tetrachloro-m-xylene	49.7	P	34 - 101
EPA 8276	Decachlorobiphenyl	61.9	P	31 - 108
EPA 8276	PCNB	163	F	62 - 142

Lab Sample ID: 2025886

Field Sample ID: G2CE0135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	90.1	P	71 - 126
EPA 8270D	Terbufos-d10	94.9	P	59 - 149

Lab Sample ID: 2025887

Field Sample ID: G2CE0135_DUP

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	65.9	P	37 - 117
EPA 8270D	Tetrachloro-m-xylene	53.3	P	34 - 101
EPA 8276	Decachlorobiphenyl	63.2	P	31 - 108
EPA 8276	PCNB	188	F	62 - 142

Lab Sample ID: 2025888

Field Sample ID: BLANK _09172018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	74.4	P	37 - 117
EPA 8270D	Tetrachloro-m-xylene	69.5	P	34 - 101
EPA 8276	Decachlorobiphenyl	70.8	P	31 - 108
EPA 8276	PCNB	162	F	62 - 142

Lab Sample ID: 2025889

Field Sample ID: G2CE0135_DUP

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	87.7	P	71 - 126
EPA 8270D	Terbufos-d10	99.0	P	59 - 149

Lab Sample ID: 2025890

Field Sample ID: BLANK _09172018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	104	P	71 - 126
EPA 8270D	Terbufos-d10	95.5	P	59 - 149

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B

Run ID: A86560

Included Lab Sample IDs: 2025864, 2025865, 2025866

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.3	99.3	P/P	90 - 115

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A86562

Included Lab Sample IDs: 2025870, 2025871, 2025872

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.8	98.6	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A86567

Included Lab Sample IDs: 2025864, 2025865, 2025866

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

Reference Method: EPA 8321B

Run ID: A86591

Included Lab Sample IDs: 2025880, 2025883, 2025884

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	73.7	89.6	P/P	60 - 150
Endothall	87.5	102	P/P	60 - 150

Reference Method: EPA 8321B

Run ID: A86597

Included Lab Sample IDs: 2025880, 2025883, 2025884

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	114	111	P/P	60 - 150
Glufosinate	113	122	P/P	60 - 150
Glyphosate	117	121	P/P	60 - 150

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A86610

Included Lab Sample IDs: 2025867, 2025868, 2025869

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A86615

Included Lab Sample IDs: 2025867, 2025868, 2025869

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A86620

Included Lab Sample IDs: 2025903, 2025904, 2025905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	94.2	92.7	P/P	90 - 110
Iron	94.2	93.0	P/P	90 - 110
Magnesium	92.1	90.6	P/P	90 - 110
Potassium	93.7	91.9	P/P	90 - 110
Sodium	94.8	95.3	P/P	90 - 110
Zinc	95.9	95.3	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A86631

Included Lab Sample IDs: 2025864, 2025865, 2025866

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	100	99.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A86641

Included Lab Sample IDs: 2025867, 2025868, 2025869

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	103	P/P	90 - 110
Kjeldahl Nitrogen	98.1	101	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A86651

Included Lab Sample IDs: 2025867, 2025868, 2025869

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

Reference Method: EPA 8321B

Run ID: A86652

Included Lab Sample IDs: 2025880, 2025883, 2025884

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

Reference Method: SM 5310 B-00

Run ID: A86661

Included Lab Sample IDs: 2025867, 2025868, 2025869

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.4	98.0	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A86668

Included Lab Sample IDs: 2025903, 2025904, 2025905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Arsenic	97.2	97.8	P/P	90 - 110
Cadmium	98.2	98.6	P/P	90 - 110
Chromium	106	107	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A86668

Included Lab Sample IDs: 2025903, 2025904, 2025905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Lead	107	105	P/P	90 - 110
Silver	102	102	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A86696

Included Lab Sample IDs: 2025879, 2025881, 2025882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	88.4	90.1	P/P	50 - 150
Acetaminophen	71.6	77.5	P/P	60 - 160
Acetaminophen	74.9	71.6	P/P	60 - 160
Aldicarb	97.7	105	P/P	60 - 150
Aldicarb Sulfone	82.6	94.0	P/P	50 - 150
Aldicarb Sulfoxide	83.5	109	P/P	50 - 150
Carbamazepine	106	103	P/P	60 - 160
Carbamazepine	110	106	P/P	60 - 160
Carbaryl	103	105	P/P	60 - 150
Carbofuran	101	114	P/P	50 - 150
Diuron	101	98.9	P/P	60 - 150
Diuron	105	101	P/P	60 - 150
Fenuron	92.1	95.9	P/P	60 - 150
Fenuron	95.9	98.5	P/P	60 - 150
Fluridone	102	108	P/P	60 - 160
Fluridone	108	109	P/P	60 - 160
Hydrocodone	94.0	94.9	P/P	60 - 150
Hydrocodone	96.0	94.0	P/P	60 - 150
Imazapyr	83.3	85.1	P/P	50 - 150
Imazapyr	85.1	70.0	P/P	50 - 150
Imidacloprid	79.9	80.2	P/P	60 - 150
Imidacloprid	91.3	79.9	P/P	60 - 150
Linuron	94.3	99.2	P/P	60 - 150
Linuron	99.2	101	P/P	60 - 150
Methiocarb	102	95.0	P/P	50 - 150
Methomyl	88.5	93.8	P/P	50 - 150
Oxamyl	83.9	87.9	P/P	50 - 150
Primidone	72.0	76.5	P/P	60 - 150
Primidone	80.9	72.0	P/P	60 - 150
Propoxur	104	118	P/P	50 - 150
Pyraclostrobin	101	97.8	P/P	60 - 150
Pyraclostrobin	97.8	112	P/P	60 - 150

Reference Method: SM 4500 F-C-97

Run ID: A86715

Included Lab Sample IDs: 2025864, 2025865, 2025866

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	98.5	96.7	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A86718

Included Lab Sample IDs: 2025864, 2025865, 2025866

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

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A86729

Included Lab Sample IDs: 2025903, 2025904, 2025905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nickel	93.8	93.5	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A86770

Included Lab Sample IDs: 2025884

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	87.4	118	P/P	50 - 150
Bentazon	94.9	135	P/P	50 - 160
Ibuprofen	89.5	89.8	P/P	50 - 160
MCPP	102	110	P/P	50 - 150
Naproxen	70.6	103	P/P	50 - 160
Triclopyr	94.1	123	P/P	50 - 160

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A86802

Included Lab Sample IDs: 2025903, 2025904, 2025905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Copper	94.0	93.7	P/P	90 - 110

Reference Method: EPA 8270D

Run ID: A86809

Included Lab Sample IDs: 2025885, 2025887, 2025888

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	96.8		P	80 - 120
Alpha-BHC	100		P	80 - 120
Alpha-Chlordane	97.2		P	80 - 120
Beta-BHC	99.8		P	80 - 120
Carbophenothion	86.5		P	80 - 120
Chlorothalonil	86.5		P	80 - 120
Cypermethrin	97.0		P	80 - 120
DDD-p,p'	96.5		P	80 - 120
DDE-p,p'	98.3		P	80 - 120
DDT-p,p'	108		P	80 - 120
Delta-BHC	99.4		P	80 - 120
Dicofol	111		P	80 - 120
Dieldrin	98.1		P	80 - 120
Endosulfan I	95.5		P	80 - 120
Endosulfan II	89.9		P	80 - 120
Endosulfan Sulfate	96.4		P	80 - 120
Endrin	97.5		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270D

Run ID: A86809

Included Lab Sample IDs: 2025885, 2025887, 2025888

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Endrin Aldehyde	77.7*		F	80 - 120
Endrin Ketone	98.0		P	80 - 120
Gamma-BHC	101		P	80 - 120
Gamma-Chlordane	97.5		P	80 - 120
Heptachlor	95.4		P	80 - 120
Heptachlor Epoxide	96.4		P	80 - 120
Methoxychlor	108		P	80 - 120
Mirex	101		P	80 - 120
Permethrin	93.5		P	80 - 120
Trifluralin	95.2		P	80 - 120

Reference Method: EPA 8270D

Run ID: A86820

Included Lab Sample IDs: 2025886, 2025889, 2025890

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	92.8		P	80 - 120
Alachlor	94.5		P	80 - 120
Ametryn	91.3		P	80 - 120
Atrazine	97.7		P	80 - 120
Atrazine Desethyl	99.1		P	80 - 120
Azinphos Methyl	95.0		P	80 - 120
Bromacil	96.4		P	80 - 120
Butylate	101		P	80 - 120
Chlorpyrifos Ethyl	93.9		P	80 - 120
Chlorpyrifos Methyl	87.1		P	80 - 120
Cyanazine	90.6		P	80 - 120
Demeton	87.8		P	80 - 120
Diazinon	106		P	80 - 120
Disulfoton	101		P	80 - 120
EPTC	97.6		P	80 - 120
Ethion	88.0		P	80 - 120
Ethoprop	89.6		P	80 - 120
Fenamiphos	101		P	80 - 120
Fipronil	98.1		P	80 - 120
Fipronil Sulfide	104		P	80 - 120
Fipronil Sulfone	96.8		P	80 - 120
Fonofos	90.8		P	80 - 120
Hexazinone	95.8		P	80 - 120
Malathion	83.9		P	80 - 120
Metaxyl	95.9		P	80 - 120
Metolachlor	103		P	80 - 120
Metribuzin	104		P	80 - 120
Mevinphos	89.8		P	80 - 120
Molinate	100		P	80 - 120
Norflurazon	90.5		P	80 - 120
Parathion Ethyl	89.4		P	80 - 120
Parathion Methyl	95.5		P	80 - 120
Pendimethalin	103		P	80 - 120
Phorate	88.7		P	80 - 120
Prometon	97.5		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270D

Run ID: A86820

Included Lab Sample IDs: 2025886, 2025889, 2025890

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Prometryn	94.1		P	80 - 120
Simazine	105		P	80 - 120
Terbufos	92.0		P	80 - 120
Terbutylazine	100		P	80 - 120

Reference Method: EPA 8321B

Run ID: A86858

Included Lab Sample IDs: 2025880, 2025883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	91.7	97.2	P/P	50 - 150
Bentazon	106	107	P/P	50 - 160
Ibuprofen	98.8	84.3	P/P	50 - 160
MCP	94.7	89.6	P/P	50 - 150
Naproxen	103	98.3	P/P	50 - 160
Triclopyr	94.3	98.0	P/P	50 - 160

Reference Method: EPA 8270D

Run ID: A86880

Included Lab Sample IDs: 2025886, 2025889

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	96.0		P	80 - 120

Reference Method: EPA 8276

Run ID: A86989

Included Lab Sample IDs: 2025885, 2025887, 2025888

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	94.6		P	80 - 120
Toxaphene	114		P	80 - 120

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery			Precision	
							LCS	SMP MS
EPA 180.1 Rev. 2.0	Turbidity							0.115
	Turbidity							5.04
EPA 200.7 Rev. 4.4	Calcium	98.0		92.7	95.6			1.34
	Iron	99.2		93.1	98.1	99.4		1.33
	Magnesium	99.9		92.7	95.4	98.2		1.79
	Potassium	97.5		90.2	93.6	94.9		0.781
	Sodium	101		92.6	96.8			2.53
	Zinc	95.8		91.5	97.5	97.8		0.294
EPA 200.8 Rev. 5.4	Arsenic	103		102	106	106		0.338
	Cadmium	105		104	106	105		0.440
	Chromium	110		110	112	110		1.09
	Copper	94.2		94.1	98.1	95.0		3.15
	Lead	107		104	104	103		0.998
	Nickel	96.5		97.2	100	91.5		8.90
	Silver	105		104	105	103		1.77
EPA 300.0 Rev. 2.1	Chloride	98.5		96.1	99.8			0.455
	Sulfate	97.3		95.1	99.7			0.398
EPA 350.1 Rev. 2.0	Ammonia-N	95.0		95.7	98.2			2.16
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	96.1		87.8	86.2			1.47
EPA 353.2 Rev. 2.0	NO2NO3-N	98.0		100	102			0.897
EPA 365.1 Rev. 2.0	Total-P	101		97.3	99.4			1.91
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.3		95.6	99.0			2.35
EPA 8270D	Acetochlor	109	93.6	115	99.5	15.2		14.7
	Alachlor	109	91.1	110	97.1	18.3		12.9
	Aldrin	76.5	75.3	42.8	38.3	1.46		11.1
	Alpha-BHC	92.0	93.7	102	81.0	1.87		22.8
	Alpha-Chlordane	92.7	93.7	53.2	47.1	1.09		12.1
	Ametryn	101	89.2			12.6		18.5
	Atrazine	91.6	90.8			0.835		0.528
	Atrazine Desethyl	89.5	65.1	88.7	85.4	31.5		3.83
	Azinphos Methyl	131	98.6	113	105	28.0		7.25
	Beta-BHC	106	111	61.5	79.0	4.87		24.9
	Bromacil	90.3	81.0	83.1	79.0	10.9		5.12
	Butylate	72.8	61.5	79.0	60.9	16.8		22.1
	Carbophenothion	107	108	111	90.2	1.51		20.5
	Chlorothalonil	81.0	79.9	153	91.7	1.30		50.4
	Chlorpyrifos Ethyl	104	94.5	114	95.0	9.47		18.2
	Chlorpyrifos Methyl	110	92.4	117	100	17.5		15.0
	Cyanazine	104	82.1	89.0	92.6	23.6		3.92
	Cypermethrin	125	128	107	107	2.80		0.420
	DDD-p,p'	105	112	59.5	63.6	6.75		6.67
	DDE-p,p'	89.9	91.5	50.7	45.6	1.75		10.6
	DDT-p,p'	98.6	99.9	63.7	68.2	1.38		6.92
	Delta-BHC	130	133	219	188	2.03		15.7
	Demeton	179	148	200	177	19.1		11.9
	Diazinon	105	94.4	117	98.8	10.9		16.8
	Dicofol	96.5	123	76.0	76.1	24.1		0.144
	Dieldrin	97.9	97.4	60.1	49.5	0.464		19.3
	Disulfoton	109	84.3	117	97.2	25.2		18.5
	Endosulfan I	96.4	94.1	80.2	69.2	2.38		14.7
	Endosulfan II	106	118	71.9	58.3	10.8		20.9
	Endosulfan Sulfate	111	114	70.4	84.9	2.90		16.4
	Endrin	100	97.9	61.3	52.2	2.46		16.0
	Endrin Aldehyde	62.1	51.1	18.5	27.8	19.6		40.0

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision SMP	MS
EPA 8270D	Endrin Ketone	110	113	80.1	83.0	3.13		3.51
	EPTC	68.5	60.3	103	89.2	12.9		14.4
	Ethion	105	108	142	103	2.87		31.6
	Ethoprop	84.3	73.5	92.0	82.1	13.8		11.4
	Fenamiphos	103	98.7	110	106	4.53		3.67
	Fipronil	82.3	71.7	80.4	75.9	13.8		5.76
	Fipronil Sulfide	83.0	77.8	81.5	75.1	6.38		7.23
	Fipronil Sulfone	80.4	55.5	55.6	58.8	36.6		3.61
	Fonofos	92.7	83.7	105	91.3	10.2		14.3
	Gamma-BHC	102	106	105	97.5	4.12		7.07
	Gamma-Chlordane	90.4	92.1	51.5	46.1	1.86		11.0
	Heptachlor	78.8	77.7	45.4	38.4	1.39		16.7
	Heptachlor Epoxide	92.8	92.5	62.2	54.7	0.299		12.8
	Hexazinone	106	94.6	111	95.8	11.2		11.2
	Malathion	96.6	92.2	106	97.1	4.71		9.13
	Metalaxyl	92.2	86.6	95.3	86.3	6.25		9.20
	Methoxychlor	107	112	75.0	80.0	4.38		6.53
	Metolachlor	100	95.8	102	101	4.64		0.797
	Metribuzin	156	115	159	139	30.2		13.0
	Mevinphos	73.7	70.4	90.4	80.7	4.51		11.3
	Mirex	81.2	83.0	52.5	57.1	2.17		8.48
	Molinate	74.0	63.6	81.4	70.1	15.2		14.9
	Norflurazon	85.6	76.1	72.2	59.7	11.7		19.0
	Parathion Ethyl	102	92.4	107	87.1	9.78		20.3
	Parathion Methyl	125	92.2	127	107	29.9		16.4
	Pendimethalin	126	114	140	116	10.5		18.3
	Permethrin	97.1	102	76.5	70.8	5.11		7.77
	Phorate	88.2	73.2	95.8	81.5	18.6		16.1
	Prometon	95.4	87.8	99.2	88.0	8.26		12.0
	Prometryn	95.2	97.4	99.2	90.6	2.24		9.12
	Simazine	112	95.9	109	100	15.4		8.28
	Terbufos	100	81.0	109	93.7	21.2		15.3
	Terbutylazine	107	96.9	112	95.9	9.97		15.4
	Trifluralin	87.2	91.3	57.2	54.9	4.67		4.11
EPA 8276	Chlordane	83.6	93.0	110	95.9	10.7		13.9
	Toxaphene	134	131	204	213	2.17		4.27
EPA 8321B	2,4-D	77.6		116	95.7			16.6
	3-Hydroxycarbofuran	81.9		66.0	63.6			3.60
	Acesulfame K	91.4		54.9	56.4			2.84
	Acetaminophen	77.3		76.8	91.9			17.9
	Aldicarb	74.8		66.5	56.8			15.7
	Aldicarb Sulfone	74.1		70.2	65.1			7.58
	Aldicarb Sulfoxide	81.4		24.5	26.3			7.13
	AMPA	92.7		96.6	97.6			1.04
	Bentazon	70.6		81.4	53.0			25.0
	Carbamazepine	70.9		55.7	56.8			1.98
	Carbaryl	63.0		45.2	43.1			4.70
	Carbofuran	68.2		45.7	40.4			12.4
	Diuron	63.7		45.9	50.3			9.19
	Endothall	105		128	129			0.751
	Fenuron	93.5		60.5	64.8			6.88
	Fluridone	85.5		77.4	91.4			16.4
	Glufosinate	95.9		92.8	92.2			0.575
	Glyphosate	90.4		86.1	86.2			0.117

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	MS
EPA 8321B	Hydrocodone	89.5	77.5	93.3		18.6
	Ibuprofen	89.7	116	121		4.44
	Imazapyr	74.5	79.7	94.2		9.36
	Imidacloprid	77.6	96.5	119		16.1
	Linuron	56.8	47.2	53.3		12.0
	MCCP	101	127	135		6.08
	Methiocarb	54.6	44.0	41.8		5.07
	Methomyl	78.2	62.3	61.3		1.66
	Naproxen	70.2	92.2	88.3		4.32
	Oxamyl	76.9	62.6	56.4		10.3
	Primidone	63.8	62.0	65.9		5.41
	Propoxur	64.9	45.7	40.7		11.5
	Pyraclostrobin	68.4	80.8	93.5		14.5
	Sucralose	122	122	127		1.80
	Triclopyr	94.0	138	135		1.95
SM 2120 B	Color (true)	97.8			1.96	
SM 2320 B-97	Total Alkalinity	102			0.0542	
SM 2540 C-97	TDS				2.74	
	TDS				4.00	
SM 2540 D-97	TSS				5.88	
SM 4500 F-C-97	Fluoride	96.1	103	104		0.487
SM 5310 B-00	Organic Carbon	96.8	99.1	98.2		0.662

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	2025864, 2025865, 2025866
EPA 200.7 Rev. 4.4 / E31780	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2025903, 2025904, 2025905
EPA 200.8 Rev. 5.4 / E31780	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2025903, 2025904, 2025905
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	2025864, 2025865, 2025866
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	2025864, 2025865, 2025866
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	2025867, 2025868, 2025869
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	2025867, 2025868, 2025869
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	2025867, 2025868, 2025869
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	2025867, 2025868, 2025869
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2025870, 2025871, 2025872
EPA 8270D / E31780	Organochlorine pesticides in water matrices by GC/MS-SIM	2025885, 2025887, 2025888
EPA 8270D / E31780	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2025886, 2025889, 2025890
EPA 8276 / E31780	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2025885, 2025887, 2025888
EPA 8321B / E31780	Carbamates in water matrices by HPLC/MS/MS	2025879, 2025881, 2025882
EPA 8321B / E31780	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2025880, 2025883, 2025884
SM 2120 B / E31780	True Color measured at 450 nm	2025864, 2025865, 2025866
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	2025864, 2025865, 2025866
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	2025864, 2025865, 2025866

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2025864, 2025865, 2025866
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2025864, 2025865, 2025866
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	2025867, 2025868, 2025869

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	09/18/2018			09/18/2018 16:36	Blanca Fach	2025864, 2025865, 2025866
EPA 200.7 Rev. 4.4	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/20/2018 20:32	Betina Topolski	2025903
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/20/2018 20:40	Betina Topolski	2025904
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/20/2018 20:47	Betina Topolski	2025905
EPA 200.8 Rev. 5.4	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/22/2018 07:12	Allison Taylor	2025903
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/22/2018 07:22	Allison Taylor	2025904
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/22/2018 07:32	Allison Taylor	2025905
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/26/2018 13:36	Robert K Palmer	2025903
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/26/2018 13:42	Robert K Palmer	2025904
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/26/2018 13:49	Robert K Palmer	2025905
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/28/2018 16:01	Allison Taylor	2025903
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/28/2018 16:07	Allison Taylor	2025904
	09/18/2018	09/19/2018 16:25	Elliott D. Healy	09/28/2018 16:13	Allison Taylor	2025905
EPA 300.0 Rev. 2.1	09/18/2018			09/25/2018 22:35	Lipi Saha	2025864
	09/18/2018			09/25/2018 23:48	Lipi Saha	2025865
	09/18/2018			09/26/2018 00:00	Lipi Saha	2025866
EPA 350.1 Rev. 2.0	09/18/2018			09/21/2018 10:55	Julia Storbeck	2025867
	09/18/2018			09/21/2018 10:56	Julia Storbeck	2025868
	09/18/2018			09/21/2018 10:59	Julia Storbeck	2025869
EPA 351.2 Rev. 2.0	09/18/2018	09/20/2018 15:00	Adrian Shelby	09/21/2018 12:21	Joseph Suarez	2025867
	09/18/2018	09/20/2018 15:00	Adrian Shelby	09/21/2018 12:26	Joseph Suarez	2025868
	09/18/2018	09/20/2018 15:00	Adrian Shelby	09/21/2018 12:27	Joseph Suarez	2025869
EPA 353.2 Rev. 2.0	09/18/2018			09/20/2018 11:32	Lauren Bottorf	2025867
	09/18/2018			09/20/2018 11:33	Lauren Bottorf	2025868
	09/18/2018			09/20/2018 11:34	Lauren Bottorf	2025869
EPA 365.1 Rev. 2.0	09/18/2018	09/19/2018 12:55	Sima Feizi	09/20/2018 13:12	Beverly Y. Sanders	2025867
	09/18/2018	09/19/2018 12:55	Sima Feizi	09/20/2018 13:13	Beverly Y. Sanders	2025868, 2025869
EPA 365.1 Rev. 2.0 dissolved	09/18/2018			09/18/2018 17:44	Julia Storbeck	2025870
	09/18/2018			09/18/2018 17:45	Julia Storbeck	2025871
	09/18/2018			09/18/2018 17:46	Julia Storbeck	2025872
EPA 8270D	09/18/2018	09/21/2018 09:00	Rasheda Ghaffari	09/25/2018 20:04	Arthur Maknenko	2025885
	09/18/2018	09/21/2018 09:00	Rasheda Ghaffari	09/25/2018 20:35	Arthur Maknenko	2025887
	09/18/2018	09/21/2018 09:00	Rasheda Ghaffari	09/25/2018 21:07	Arthur Maknenko	2025888
	09/18/2018	09/21/2018 13:00	Fe-Val Siddell	09/24/2018 19:57	Vandana T. Nagar	2025886
	09/18/2018	09/21/2018 13:00	Fe-Val Siddell	09/24/2018 20:21	Vandana T. Nagar	2025889
	09/18/2018	09/21/2018 13:00	Fe-Val Siddell	09/24/2018 20:45	Vandana T. Nagar	2025890
	09/18/2018	09/21/2018 13:00	Fe-Val Siddell	09/27/2018 19:36	Vandana T. Nagar	2025886
	09/18/2018	09/21/2018 13:00	Fe-Val Siddell	09/27/2018 20:00	Vandana T. Nagar	2025889
EPA 8276	09/18/2018	09/21/2018 09:00	Rasheda Ghaffari	09/27/2018 00:49	Arthur Maknenko	2025885
	09/18/2018	09/21/2018 09:00	Rasheda Ghaffari	09/27/2018 01:45	Arthur Maknenko	2025887

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8276	09/18/2018	09/21/2018 09:00	Rasheda Ghaffari	09/27/2018 02:40	Arthur Maknenko	2025888
EPA 8321B	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/19/2018 16:54	Mohammad Ghaffari	2025880
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/19/2018 17:09	Mohammad Ghaffari	2025883
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/19/2018 17:24	Mohammad Ghaffari	2025884
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/20/2018 09:40	Mohammad Ghaffari	2025880
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/20/2018 09:51	Mohammad Ghaffari	2025883
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/20/2018 10:01	Mohammad Ghaffari	2025884
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/21/2018 18:31	Mohammad Ghaffari	2025880
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/21/2018 18:46	Mohammad Ghaffari	2025883
	09/18/2018	09/19/2018 15:30	Mohammad Ghaffari	09/21/2018 19:00	Mohammad Ghaffari	2025884
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/24/2018 01:31	Mohammad Ghaffari	2025880
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/24/2018 02:05	Mohammad Ghaffari	2025883
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/24/2018 03:15	Mohammad Ghaffari	2025884
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/24/2018 13:38	Mohammad Ghaffari	2025879
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/24/2018 14:13	Mohammad Ghaffari	2025881
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/24/2018 14:48	Mohammad Ghaffari	2025882
	09/18/2018	09/20/2018 10:00	Hoor Shaik	09/27/2018 10:56	Juyoung Kim	2025884
	09/18/2018	09/20/2018 10:00	Hoor Shaik	10/03/2018 06:49	Juyoung Kim	2025880
	09/18/2018	09/20/2018 10:00	Hoor Shaik	10/03/2018 07:23	Juyoung Kim	2025883
SM 2120 B	09/18/2018			09/18/2018 15:28	DeAsia Armster	2025864
	09/18/2018			09/18/2018 15:29	DeAsia Armster	2025865
	09/18/2018			09/18/2018 15:30	DeAsia Armster	2025866
SM 2320 B-97	09/18/2018			09/20/2018 01:38	Dale L. Simmons	2025864
	09/18/2018			09/20/2018 01:48	Dale L. Simmons	2025865
	09/18/2018			09/20/2018 01:58	Dale L. Simmons	2025866
SM 2540 C-97	09/18/2018			09/21/2018 16:15	Yijie Li	2025864, 2025865, 2025866
SM 2540 D-97	09/18/2018			09/21/2018 16:15	Yijie Li	2025864, 2025865, 2025866
SM 4500 F-C-97	09/18/2018			09/25/2018 20:45	Dale L. Simmons	2025864
	09/18/2018			09/25/2018 20:49	Dale L. Simmons	2025865
	09/18/2018			09/25/2018 20:54	Dale L. Simmons	2025866
SM 5310 B-00	09/18/2018			09/21/2018 09:49	Megan Treadwell	2025867
	09/18/2018			09/21/2018 10:01	Megan Treadwell	2025868
	09/18/2018			09/21/2018 10:13	Megan Treadwell	2025869