

Chemical Analysis Report

SW-DIST-2023-02-07-01

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

Event Description: **Run 10**
Request ID: **RQ-2023-02-06-49**
Customer: **SW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
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Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator

Date Certified: 02-MAR-2023 17:46



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: Lake Dan @ Center

Collection Date/Time: 02/06/2023 10:45

Field ID: G5SW0161

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385217	DEP SOP: NU-094-1	Color (true)	49		PCU	P425481	
	EPA 180.1 Rev. 2.0	Turbidity	1.6		NTU	P425478	
	EPA 300.0 Rev. 2.1	Chloride	6.7		mg Cl/L	P426091	
		Sulfate	2.5		mg SO4/L	P426094	
	SM 2320 B-2011	Total Alkalinity	46		mg CaCO3/L	P425709	
	SM 2540 C-2015	TDS	78		mg/L	P426041	
	SM 2540 D-2015	TSS	2	I	mg/L	P425999	
	SM 4500-F- C-2011	Fluoride	0.059	I	mg F/L	P426437	MS, RPD
2385220	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P426108	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.95		mg N/L	P425751	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P425713	
	EPA 365.1 Rev. 2.0	Total-P	0.022		mg P/L	P425540	
	SM 5310 B-2011	Organic Carbon	13		mg C/L	P425644	
2385223	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P425473	

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: Little Lake Wilson Center

Collection Date/Time: 02/06/2023 12:20

Field ID: G1SW0006

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385226	DEP SOP: NU-094-1	Color (true)	43		PCU	P425482	
	EPA 180.1 Rev. 2.0	Turbidity	1.2		NTU	P425478	
	EPA 300.0 Rev. 2.1	Chloride	76		mg Cl/L	P426266	
		Sulfate	1.9		mg SO4/L	P426095	
	SM 2320 B-2011	Total Alkalinity	73		mg CaCO3/L	P425709	
	SM 2540 C-2015	TDS	197		mg/L	P426041	
	SM 2540 D-2015	TSS	2	I	mg/L	P425999	
2385227	SM 4500-F- C-2011	Fluoride	0.068	I	mg F/L	P426437	MS, RPD
	EPA 350.1 Rev. 2.0	Ammonia-N	0.032		mg N/L	P425871	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.92		mg N/L	P425751	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.014		mg N/L	P425713	
	EPA 365.1 Rev. 2.0	Total-P	0.046		mg P/L	P425541	
2385228	SM 5310 B-2011	Organic Carbon	13		mg C/L	P425644	
	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.008	I	mg P/L	P425473	
2385305	EPA 8270E	Oxybenzone**	9.8	U	ng/L	P425530	
		Acetochlor	0.25	U	ng/L	P425530	
		Octinoxate**	20	U	ng/L	P425530	
		Alachlor	0.25	U	ng/L	P425530	
		Avobenzone**	98	U	ng/L	P425530	
		Ametryn	3.4		ng/L	P425530	
		Atrazine	320		ng/L	P425530	
		PBDE-47**	3.9	U	ng/L	P425530	
		Atrazine Desethyl	33		ng/L	P425530	
		PBDE-99**	4.9	U	ng/L	P425530	
		Azinphos Methyl	2.0	U	ng/L	P425530	
		Tri-o-cresyl Phosphate**	5.9	U	ng/L	P425530	
		Azoxystrobin	0.49	U	ng/L	P425530	
		Bromacil	0.49	U	ng/L	P425530	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P425530	
		Butylate	0.39	U	ng/L	P425530	
		Dechlorane Plus**	29	UJ	ng/L	P425530	RPD
		Caffeine**	11	I	ng/L	P425530	
		Carbophenothion	0.20	U	ng/L	P425530	
		Carfentrazone Ethyl	0.098	U	ng/L	P425530	
		Chlorfenapyr	0.17	U	ng/L	P425530	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P425530	
		Chlorpyrifos Methyl	0.049	U	ng/L	P425530	
		Coumaphos	0.49	UJ	ng/L	P425530	RPD
		Cyanazine	3.2	UJ	ng/L	P425530	LCS, MS
		Cyprodinil	0.098	U	ng/L	P425530	
		Demeton	1.5	U	ng/L	P425530	
		Diazinon	0.12	U	ng/L	P425530	
		Difenoconazole	0.59	UJ	ng/L	P425530	RPD

Field ID: G1SW0006

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385305	EPA 8270E	Dimethenamid	0.098	UJ	ng/L	P425530	MS, RPD
		Dimethomorph	0.17	U	ng/L	P425530	
		Disulfoton	0.49	U	ng/L	P425530	
		Dithiopyr	0.61	U	ng/L	P425530	
		EPTC	1.2	U	ng/L	P425530	
		Ethion	0.15	UJ	ng/L	P425530	MS, RPD
		Ethoprop	0.098	U	ng/L	P425530	
		Etridiazole	0.15	UJ	ng/L	P425530	RPD
		Fenamiphos	0.49	U	ng/L	P425530	
		Fenbuconazole	0.12	U	ng/L	P425530	
		Fipronil	0.25	U	ng/L	P425530	
		Fipronil DesulfinyI**	1.2		ng/L	P425530	
		Fipronil Sulfide	0.60		ng/L	P425530	
		Fipronil Sulfone	1.3		ng/L	P425530	
		Fluazifop-P-butyl	0.098	U	ng/L	P425530	
		Fludioxonil	0.12	U	ng/L	P425530	
		Flumioxazin	4.4	UJ	ng/L	P425530	RPD
		Flutolanil	0.098	U	ng/L	P425530	
		Fluxapyroxad	0.098	UJ	ng/L	P425530	MS, RPD
		Fonofos	0.20	U	ng/L	P425530	
		Hexazinone	0.49	U	ng/L	P425530	
		Imazalil	0.74	U	ng/L	P425530	
		Iprodione	0.59	U	ng/L	P425530	
		Loratadine**	0.34	UJ	ng/L	P425530	LCS
		Malathion	0.34	U	ng/L	P425530	
		Metalaxyl	0.74	U	ng/L	P425530	
		Metolachlor	0.34	U	ng/L	P425530	
		Metribuzin	1.5	U	ng/L	P425530	
		Mevinphos	1.0	U	ng/L	P425530	
		Molinate	0.29	U	ng/L	P425530	
		Myclobutanil	3.2		ng/L	P425530	
		Naled	1.5	U	ng/L	P425530	
		Napropamide	0.39	UJ	ng/L	P425530	MS, RPD
		Norflurazon	0.49	U	ng/L	P425530	
		Oxadiazon	0.29	U	ng/L	P425530	
		Oxyfluorfen	0.15	U	ng/L	P425530	
		Parathion Ethyl	0.25	U	ng/L	P425530	
		Parathion Methyl	0.54	U	ng/L	P425530	
		Pendimethalin	0.98	U	ng/L	P425530	
		Phenytain**	3.4	UJ	ng/L	P425530	LCS
		Phorate	0.52	U	ng/L	P425530	
		Prodiamine	0.17	U	ng/L	P425530	
		Prometon	0.88	U	ng/L	P425530	
		Prometryn	0.20	U	ng/L	P425530	
		Pronamide	0.15	U	ng/L	P425530	

Field ID: G1SW0006

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385305	EPA 8270E	Propanil	0.12	U	ng/L	P425530	
		Propargite	1.5	U	ng/L	P425530	
		Propiconazole	2.9		ng/L	P425530	
		Pyraflufen Ethyl	0.25	U	ng/L	P425530	
		Pyridaben	0.44	U	ng/L	P425530	
		Pyriproxyfen	0.12	U	ng/L	P425530	
		Simazine	0.66	I	ng/L	P425530	
		Stirophos	0.12	U	ng/L	P425530	
		Sulfentrazone	2.7		ng/L	P425530	
		Tebuconazole	2.2	J	ng/L	P425530	MS, RPD
		Terbufos	0.098	U	ng/L	P425530	
		Terbutylazine	0.42	U	ng/L	P425530	
		Thiobencarb	0.59	U	ng/L	P425530	
		Triadimefon	0.37	I	ng/L	P425530	

Ref. Method and Comment:

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

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

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

Sample Location: White Trout Lake @ Center

Collection Date/Time: 02/06/2023 13:10

Field ID: G1SW0104

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes	
2385218	DEP SOP: NU-094-1	Color (true)	11	A	PCU	P425482	MS, RPD	
	EPA 180.1 Rev. 2.0	Turbidity	0.65	I	NTU	P425478		
	EPA 300.0 Rev. 2.1	Chloride	33		mg Cl/L	P426266		
		Sulfate	21		mg SO4/L	P426095		
	SM 2320 B-2011	Total Alkalinity	37	A	mg CaCO3/L	P425709		
	SM 2540 C-2015	TDS	126		mg/L	P426041		
	SM 2540 D-2015	TSS	2	U	mg/L	P425999		
	SM 4500-F- C-2011	Fluoride	0.089	I	mg F/L	P426437		
	2385221	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L		P426108
		EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L		P425751
EPA 353.2 Rev. 2.0		NO2NO3-N	0.004	U	mg N/L	P425713		
EPA 365.1 Rev. 2.0		Total-P	0.014		mg P/L	P425584		
SM 5310 B-2011		Organic Carbon	6.0		mg C/L	P425644		
2385224	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P425473		

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: Lake Jackson @ Center

Collection Date/Time: 02/06/2023 11:30

Field ID: G1SW0124

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385219	DEP SOP: NU-094-1	Color (true)	140		PCU	P425482	
	EPA 180.1 Rev. 2.0	Turbidity	1.1		NTU	P425478	
	EPA 300.0 Rev. 2.1	Chloride	35	A	mg Cl/L	P426266	
		Sulfate	3.1	A	mg SO4/L	P426095	
	SM 2320 B-2011	Total Alkalinity	11		mg CaCO3/L	P425709	
	SM 2540 C-2015	TDS	101		mg/L	P426041	
	SM 2540 D-2015	TSS	2	U	mg/L	P425999	
	SM 4500-F- C-2011	Fluoride	0.061	I	mg F/L	P426437	MS, RPD
2385222	EPA 350.1 Rev. 2.0	Ammonia-N	0.006		mg N/L	P425871	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.88		mg N/L	P425751	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P425713	
	EPA 365.1 Rev. 2.0	Total-P	0.019		mg P/L	P425541	
	SM 5310 B-2011	Organic Carbon	19		mg C/L	P425644	
2385225	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P425473	

Ref. Method and Comment:

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

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P425481

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: DEP SOP: NU-094-1
Batch ID: P425482

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P425478

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426091

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426094

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426095

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426266

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P425871

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426108

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: P425751

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425713

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425540

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425541

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425584

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P425473

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

Reference Method: EPA 8270E
Batch ID: P425530

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425530

Component	Result	Code	Units
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.62	U	ng/L
Dithiopyr	0.62	U	ng/L
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425530

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425530

Component	Result	Code	Units
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiatone	0.18	U	ng/L
Prodiatone	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronatone	0.15	U	ng/L
Pronatone	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazole	0.50	U	ng/L
Sulfentrazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbutylazine	0.42	U	ng/L
Terbutylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P425530

Component	Result	Code	Units
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: SM 2320 B-2011
Batch ID: P425709

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

Reference Method: SM 2540 C-2015
Batch ID: P426041

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P425999

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P426437

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P425644

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: P425481

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.6		P	90 - 110

Reference Method: DEP SOP: NU-094-1
Batch ID: P425482

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.6		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P425478

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426091

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	92.0		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426094

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426095

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	95.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426266

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	105		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P425871

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426108

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425751

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	94.1		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425713

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425540

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425541

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: P425584

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: P425473

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.2		P	90 - 110

Reference Method: EPA 8270E
Batch ID: P425530

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	75.9		P	42 - 162
Acetochlor	95.1		P	67 - 124
Alachlor	89.5		P	60 - 120
Ametryn	100		P	54 - 216
Atrazine	97.7		P	66 - 128
Atrazine Desethyl	103		P	15 - 122
Avobenzone	91.1		P	40 - 203
Azinphos Methyl	121		P	40 - 292
Azoxystrobin	113		P	35 - 220
Bromacil	95.0		P	45 - 127
Butylate	62.6		P	20 - 83.0
Caffeine	78.5		P	10 - 194
Carbophenothion	113		P	57 - 127
Carfentrazone Ethyl	117		P	51 - 141
Chlorfenapyr	96.8		P	46 - 111
Chlorpyrifos Ethyl	91.5		P	52 - 120

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P425530

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorpyrifos Methyl	110		P	63 - 119
Coumaphos	105		P	10 - 228
Cyanazine	323		F	59 - 241
Cyprodinil	120		P	47 - 146
Dechlorane Plus	84.3		P	47 - 182
Demeton	89.3		P	40 - 136
Diazinon	97.5		P	69 - 132
Difenoconazole	124		P	57 - 258
Dimethenamid	79.8		P	54 - 110
Dimethomorph	173		P	28 - 210
Disulfoton	102		P	43 - 133
Dithiopyr	96.4		P	39 - 116
EPTC	61.0		P	20 - 78.0
Ethion	37.7		P	17 - 119
Ethoprop	93.9		P	66 - 120
Etridiazole	70.0		P	28 - 96.0
Fenamiphos	96.8		P	41 - 126
Fenbuconazole	110		P	42 - 169
Fipronil	123		P	61 - 132
Fipronil Desulfinyl	116		P	56 - 132
Fipronil Sulfide	93.8		P	48 - 119
Fipronil Sulfone	112		P	42 - 131
Fluazifop-P-butyl	99.6		P	53 - 131
Fludioxonil	99.2		P	56 - 127
Flumioxazin	119		P	19 - 300
Flutolanil	105		P	41 - 127
Fluxapyroxad	77.3		P	42 - 172
Fonofos	90.5		P	59 - 113
Hexazinone	87.2		P	66 - 122
Imazalil	85.1		P	21 - 283
Iprodione	109		P	43 - 150
Loratadine	203		F	23 - 201
Malathion	91.1		P	58 - 136
Metaxyl	103		P	55 - 120
Metolachlor	97.8		P	57 - 121
Metribuzin	103		P	58 - 294
Mevinphos	81.4		P	50 - 126
Molinate	70.9		P	42 - 93.0
Myclobutanil	94.4		P	55 - 125
Naled	111		P	18 - 200
Napropamide	65.5		P	39 - 110
Norflurazon	95.1		P	48 - 128
Octinoxate	73.4		P	26 - 166
Oxadiazon	93.9		P	43 - 112
Oxybenzone	69.3		P	49 - 135
Oxyfluorfen	113		P	64 - 153
Parathion Ethyl	84.5		P	69 - 114
Parathion Methyl	106		P	79 - 139
PBDE-47	70.0		P	41 - 148
PBDE-99	68.4		P	38 - 147
Pendimethalin	87.6		P	50 - 139
Phenytol	4.28		F	10 - 146

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P425530

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Phorate	95.7		P	54 - 161
Prodiamine	42.3		P	30 - 161
Prometon	85.0		P	45 - 134
Prometryn	92.4		P	45 - 137
Pronamide	90.0		P	65 - 133
Propanil	93.7		P	49 - 142
Propargite	63.5		P	10 - 203
Propiconazole	105		P	38 - 146
Pyraflufen Ethyl	106		P	34 - 153
Pyridaben	134		P	12 - 192
Pyriproxyfen	74.6		P	33 - 180
Simazine	91.7		P	51 - 157
Stirophos	66.1		P	10 - 128
Sulfentrazone	69.1		P	53 - 186
Tebuconazole	46.1		P	10 - 133
Terbufos	111		P	65 - 139
Terbutylazine	82.1		P	66 - 117
Thiobencarb	80.0		P	51 - 119
Tri-o-cresyl Phosphate	71.7		P	49 - 150
Triadimefon	81.6		P	48 - 119

Reference Method: SM 2320 B-2011

Batch ID: P425709

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.9		P	94 - 106

Reference Method: SM 2540 C-2015

Batch ID: P426041

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.6		P	90 - 110

Reference Method: SM 2540 D-2015

Batch ID: P425999

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	89.4		P	85 - 106

Reference Method: SM 4500-F- C-2011

Batch ID: P426437

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.7		P	96 - 104

Reference Method: SM 5310 B-2011

Batch ID: P425644

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	94.6		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2383815	Chloride	94.4		P	90 - 110
2385056	Chloride	94.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426094

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2383815	Sulfate	103		P	90 - 110
2385056	Sulfate	95.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426095

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385219	Sulfate	93.0		P	90 - 110
2385501	Sulfate	99.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426266

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385219	Chloride	101		P	90 - 110
2385501	Chloride	104		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P425871

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385053	Ammonia-N	101	103	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426108

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2384712	Ammonia-N	102	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425751

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385135	Kjeldahl Nitrogen	108	98.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425713

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385120	NO2NO3-N	104	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425540

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

Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P425540

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385312	Total-P	106	107	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P425541

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385099	Total-P	110	106	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P425584

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385027	Total-P	101	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P425473

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385224	O-Phosphate-P	100	101	P/P	90 - 110

Reference Method: EPA 8270E
 Batch ID: P425530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385305	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	57.0	72.2	P/P	26 - 165
2385305	Acetochlor	88.6	83.2	P/P	67 - 124
2385305	Alachlor	81.8	75.4	P/P	60 - 120
2385305	Ametryn	122	87.7	P/P	54 - 216
2385305	Avobenzone	72.6	81.7	P/P	37 - 178
2385305	Azinphos Methyl	120	111	P/P	40 - 292
2385305	Azoxystrobin	136	112	P/P	35 - 220
2385305	Bromacil	79.4	83.6	P/P	45 - 127
2385305	Butylate	64.4	49.1	P/P	20 - 83.0
2385305	Caffeine	71.2	74.7	P/P	10 - 194
2385305	Carbophenothion	108	109	P/P	57 - 127
2385305	Carfentrazone Ethyl	101	89.5	P/P	51 - 141
2385305	Chlorfenapyr	86.9	69.1	P/P	46 - 111
2385305	Chlorpyrifos Ethyl	83.6	79.9	P/P	52 - 120
2385305	Chlorpyrifos Methyl	108	100	P/P	63 - 119
2385305	Coumaphos	49.7	72.0	P/P	10 - 228
2385305	Cyanazine	179	285	P/F	59 - 241
2385305	Cyprodinil	122	107	P/P	47 - 146
2385305	Dechlorane Plus	76.2	52.2	P/P	50 - 150
2385305	Demeton	121	101	P/P	40 - 136
2385305	Diazinon	99.7	94.4	P/P	69 - 132
2385305	Difenoconazole	77.4	156	P/P	57 - 258
2385305	Dimethenamid	51.5	78.5	F/P	54 - 110
2385305	Dimethomorph	208	191	P/P	28 - 210
2385305	Disulfoton	115	106	P/P	43 - 133
2385305	Dithiopyr	94.4	84.5	P/P	39 - 116
2385305	EPTC	69.3	48.1	P/P	20 - 78.0
2385305	Ethion	14.7	43.6	F/P	17 - 119

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P425530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385305	Ethoprop	107	94.6	P/P	66 - 120
2385305	Etridiazole	87.4	55.2	P/P	28 - 96.0
2385305	Fenamiphos	109	98.2	P/P	41 - 126
2385305	Fenbuconazole	82.2	102	P/P	42 - 169
2385305	Fipronil	120	113	P/P	61 - 132
2385305	Fipronil Desulfinyl	110	111	P/P	56 - 132
2385305	Fipronil Sulfide	99.1	93.9	P/P	48 - 119
2385305	Fipronil Sulfone	88.6	73.4	P/P	42 - 131
2385305	Fluazifop-P-butyl	93.7	89.2	P/P	53 - 131
2385305	Fludioxonil	99.5	81.7	P/P	56 - 127
2385305	Flumioxazin	82.6	157	P/P	19 - 300
2385305	Flutolanil	79.3	90.5	P/P	41 - 127
2385305	Fluxapyroxad	31.3	66.8	F/P	42 - 172
2385305	Fonofos	102	83.2	P/P	59 - 113
2385305	Hexazinone	78.9	90.1	P/P	66 - 122
2385305	Imazalil	127	113	P/P	21 - 283
2385305	Iprodione	67.2	89.2	P/P	43 - 150
2385305	Loratadine	175	195	P/P	23 - 201
2385305	Malathion	89.2	82.3	P/P	58 - 136
2385305	Metalaxyl	114	95.6	P/P	55 - 120
2385305	Metolachlor	84.8	83.5	P/P	57 - 121
2385305	Metribuzin	126	89.1	P/P	58 - 294
2385305	Mevinphos	89.0	77.5	P/P	50 - 126
2385305	Molinate	78.1	64.1	P/P	42 - 93.0
2385305	Myclobutanil	113	116	P/P	55 - 125
2385305	Naled	113	98.9	P/P	18 - 200
2385305	Napropamide	9.16	68.2	F/P	39 - 110
2385305	Norflurazon	81.2	89.8	P/P	48 - 128
2385305	Octinoxate	61.8	60.8	P/P	21 - 159
2385305	Oxadiazon	81.1	70.8	P/P	43 - 112
2385305	Oxybenzone	63.8	59.4	P/P	41 - 142
2385305	Oxyfluorfen	97.9	111	P/P	64 - 153
2385305	Parathion Ethyl	94.3	82.5	P/P	69 - 114
2385305	Parathion Methyl	112	122	P/P	79 - 139
2385305	PBDE-47	49.5	63.3	P/P	27 - 144
2385305	PBDE-99	48.6	64.0	P/P	18 - 150
2385305	Pendimethalin	105	112	P/P	50 - 139
2385305	Phenytoin	19.9	12.4	P/P	10 - 146
2385305	Phorate	110	86.7	P/P	54 - 161
2385305	Prodiamine	56.1	68.4	P/P	30 - 161
2385305	Prometon	75.3	77.0	P/P	45 - 134
2385305	Prometryn	96.0	81.7	P/P	45 - 137
2385305	Pronamide	96.8	90.9	P/P	65 - 133
2385305	Propanil	85.1	87.4	P/P	49 - 142
2385305	Propargite	37.8	57.6	P/P	10 - 203
2385305	Propiconazole	92.3	89.2	P/P	38 - 146
2385305	Pyraflufen Ethyl	86.1	85.5	P/P	34 - 153
2385305	Pyridaben	115	122	P/P	12 - 192
2385305	Pyriproxyfen	40.9	81.4	P/P	33 - 180
2385305	Simazine	119	103	P/P	51 - 157
2385305	Stirophos	40.8	61.3	P/P	10 - 128
2385305	Sulfentrazone	74.7	69.0	P/P	53 - 186

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P425530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385305	Tebuconazole	3.58	47.3	F/P	10 - 133
2385305	Terbufos	129	104	P/P	65 - 139
2385305	Terbutylazine	89.9	69.0	P/P	66 - 117
2385305	Thiobencarb	75.6	71.9	P/P	51 - 119
2385305	Tri-o-cresyl Phosphate	62.9	60.2	P/P	31 - 144
2385305	Triadimefon	50.4	64.4	P/P	48 - 119

Reference Method: SM 4500-F- C-2011

Batch ID: P426437

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2388956	Fluoride	104	101	F/P	94 - 104

Reference Method: SM 5310 B-2011

Batch ID: P425644

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385099	Organic Carbon	95.4	97.7	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P425481

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385098	Color (true)	1.74	Sample	P	0 - 20

Reference Method: DEP SOP: NU-094-1
Batch ID: P425482

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385218	Color (true)	12.3	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P425478

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385132	Turbidity	7.97	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385056	Chloride	4.11	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426094

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385056	Sulfate	4.88	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426095

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385219	Sulfate	0.829	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426266

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385219	Chloride	3.85	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P425871

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385053	Ammonia-N	1.90	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426108

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2384712	Ammonia-N	0.592	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425751

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385135	Kjeldahl Nitrogen	5.07	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425713

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385120	NO2NO3-N	0.484	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425540

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385312	Total-P	0.911	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425541

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385099	Total-P	3.60	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425584

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385027	Total-P	0.961	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P425473

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385224	O-Phosphate-P	0.398	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P425530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385305	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	23.6	Spike	P	0 - 37
2385305	Acetochlor	6.29	Spike	P	0 - 28

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P425530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385305	Alachlor	8.17	Spike	P	0 - 30
2385305	Ametryn	17.9	Spike	P	0 - 32
2385305	Atrazine	22.4	Spike	P	0 - 41
2385305	Atrazine Desethyl	19.8	Spike	P	0 - 36
2385305	Avobenzone	11.7	Spike	P	0 - 36
2385305	Azinphos Methyl	8.00	Spike	P	0 - 75
2385305	Azoxystrobin	19.6	Spike	P	0 - 39
2385305	Bromacil	5.16	Spike	P	0 - 33
2385305	Butylate	27.1	Spike	P	0 - 44
2385305	Caffeine	4.66	Spike	P	0 - 74
2385305	Carbophenothion	0.877	Spike	P	0 - 25
2385305	Carfentrazone Ethyl	12.1	Spike	P	0 - 27
2385305	Chlorfenapyr	22.8	Spike	P	0 - 24
2385305	Chlorpyrifos Ethyl	4.47	Spike	P	0 - 26
2385305	Chlorpyrifos Methyl	7.85	Spike	P	0 - 26
2385305	Coumaphos	36.5	Spike	F	0 - 28
2385305	Cyanazine	46.0	Spike	P	0 - 48
2385305	Cyprodinil	12.9	Spike	P	0 - 29
2385305	Dechlorane Plus	37.3	Spike	F	0 - 30
2385305	Demeton	17.5	Spike	P	0 - 33
2385305	Diazinon	5.53	Spike	P	0 - 29
2385305	Difenoconazole	67.6	Spike	F	0 - 34
2385305	Dimethenamid	41.4	Spike	F	0 - 39
2385305	Dimethomorph	8.16	Spike	P	0 - 51
2385305	Disulfoton	8.36	Spike	P	0 - 30
2385305	Dithiopyr	11.0	Spike	P	0 - 26
2385305	EPTC	36.1	Spike	P	0 - 43
2385305	Ethion	99.0	Spike	F	0 - 79
2385305	Ethoprop	12.1	Spike	P	0 - 29
2385305	Etridiazole	45.2	Spike	F	0 - 33
2385305	Fenamiphos	10.4	Spike	P	0 - 40
2385305	Fenbuconazole	21.7	Spike	P	0 - 74
2385305	Fipronil	6.02	Spike	P	0 - 29
2385305	Fipronil Desulfanyl	0.449	Spike	P	0 - 32
2385305	Fipronil Sulfide	4.06	Spike	P	0 - 30
2385305	Fipronil Sulfone	10.4	Spike	P	0 - 33
2385305	Fluazifop-P-butyl	4.91	Spike	P	0 - 38
2385305	Fludioxonil	19.6	Spike	P	0 - 29
2385305	Flumioxazin	62.2	Spike	F	0 - 51
2385305	Flutolanil	13.2	Spike	P	0 - 25
2385305	Fluxapyroxad	72.4	Spike	F	0 - 45
2385305	Fonofos	20.1	Spike	P	0 - 27
2385305	Hexazinone	13.3	Spike	P	0 - 30
2385305	Imazalil	11.5	Spike	P	0 - 100
2385305	Iprodione	28.1	Spike	P	0 - 33
2385305	Loratadine	11.0	Spike	P	0 - 56
2385305	Malathion	7.98	Spike	P	0 - 37
2385305	Metalaxyl	17.1	Spike	P	0 - 40
2385305	Metolachlor	1.50	Spike	P	0 - 29
2385305	Metribuzin	34.6	Spike	P	0 - 45
2385305	Mevinphos	13.7	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P425530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385305	Molinate	19.7	Spike	P	0 - 33
2385305	Myclobutanil	1.27	Spike	P	0 - 26
2385305	Naled	13.5	Spike	P	0 - 37
2385305	Napropamide	153	Spike	F	0 - 44
2385305	Norflurazon	10.0	Spike	P	0 - 30
2385305	Octinoxate	1.56	Spike	P	0 - 45
2385305	Oxadiazon	13.6	Spike	P	0 - 28
2385305	Oxybenzone	7.08	Spike	P	0 - 46
2385305	Oxyfluorfen	12.8	Spike	P	0 - 28
2385305	Parathion Ethyl	13.4	Spike	P	0 - 31
2385305	Parathion Methyl	8.70	Spike	P	0 - 29
2385305	PBDE-47	24.5	Spike	P	0 - 36
2385305	PBDE-99	27.4	Spike	P	0 - 40
2385305	Pendimethalin	7.08	Spike	P	0 - 33
2385305	Phenytoin	46.1	Spike	P	0 - 100
2385305	Phorate	23.4	Spike	P	0 - 36
2385305	Prodiamine	19.7	Spike	P	0 - 71
2385305	Prometon	2.19	Spike	P	0 - 36
2385305	Prometryn	16.1	Spike	P	0 - 28
2385305	Pronamide	6.25	Spike	P	0 - 24
2385305	Propanil	2.73	Spike	P	0 - 28
2385305	Propargite	41.4	Spike	P	0 - 43
2385305	Propiconazole	1.91	Spike	P	0 - 33
2385305	Pyraflufen Ethyl	0.663	Spike	P	0 - 29
2385305	Pyridaben	5.60	Spike	P	0 - 30
2385305	Pyriproxyfen	66.2	Spike	P	0 - 79
2385305	Simazine	12.8	Spike	P	0 - 29
2385305	Stirophos	40.1	Spike	P	0 - 61
2385305	Sulfentrazone	5.35	Spike	P	0 - 33
2385305	Tebuconazole	98.7	Spike	F	0 - 69
2385305	Terbufos	21.1	Spike	P	0 - 29
2385305	Terbutylazine	26.3	Spike	P	0 - 32
2385305	Thiobencarb	5.03	Spike	P	0 - 26
2385305	Tri-o-cresyl Phosphate	4.29	Spike	P	0 - 33
2385305	Triadimefon	18.4	Spike	P	0 - 28

Reference Method: SM 2320 B-2011

Batch ID: P425709

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385218	Total Alkalinity	0.143	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015

Batch ID: P426041

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385132	TDS	4.30	Sample	P	0 - 10

Quality Assurance Report Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P426437

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2388956	Fluoride	3.55	Spike	F	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P425644

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385099	Organic Carbon	1.80	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2385305
Field Sample ID: G1SW0006

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	55.3	P	20 - 200
EPA 8270E	Simazine-d10	99.1	P	62 - 142
EPA 8270E	Terbufos-d10	92.2	P	58 - 132
EPA 8270E	Terphenyl-d14	68.8	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A117296

Included Lab Sample IDs: 2385223, 2385224, 2385225, 2385228

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: A117299

Included Lab Sample IDs: 2385217, 2385218, 2385219, 2385226

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	100	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1

Run ID: A117300

Included Lab Sample IDs: 2385217, 2385218, 2385219, 2385226

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.3	99.3	P/P	90 - 110
Color (true)	99.3	98.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A117353

Included Lab Sample IDs: 2385220, 2385222, 2385227

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	95.8	96.8	P/P	90 - 110
Total-P	96.8	97.2	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A117374

Included Lab Sample IDs: 2385220, 2385221, 2385222, 2385227

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.7	99.1	P/P	90 - 110
Organic Carbon	98.0	97.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A117381

Included Lab Sample IDs: 2385221

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.5	99.8	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A117401

Included Lab Sample IDs: 2385217, 2385218, 2385219, 2385226

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.4	97.2	P/P	90 - 110
Total Alkalinity	97.7	94.8	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A117403

Included Lab Sample IDs: 2385220, 2385221, 2385222, 2385227

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A117426

Included Lab Sample IDs: 2385217

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	93.7	91.7	P/P	90 - 110
Sulfate	95.8	100	P/P	90 - 110
Sulfate	96.9	95.1	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A117458

Included Lab Sample IDs: 2385222, 2385227

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.0	98.6	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A117506

Included Lab Sample IDs: 2385305

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	96.9		P	80 - 120
Avobenzene	97.9		P	80 - 120
Dechlorane Plus	99.1		P	80 - 120
Octinoxate	98.2		P	80 - 120
Oxybenzone	101		P	80 - 120
PBDE-47	98.1		P	80 - 120
PBDE-99	101		P	80 - 120
Tri-o-cresyl Phosphate	99.4		P	80 - 120

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A117546

Included Lab Sample IDs: 2385220, 2385221

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.9	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A117569

Included Lab Sample IDs: 2385220, 2385221, 2385222, 2385227

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	92.4	97.2	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A117607

Included Lab Sample IDs: 2385218, 2385219, 2385226

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A117607

Included Lab Sample IDs: 2385218, 2385219, 2385226

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	104	105	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A117663

Included Lab Sample IDs: 2385305

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A117663
Included Lab Sample IDs: 2385305

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Malathion	89.8		P	80 - 120
Metalaxyl	106		P	80 - 120
Metolachlor	100		P	80 - 120
Metribuzin	104		P	80 - 120
Mevinphos	96.7		P	80 - 120
Molinate	102		P	80 - 120
Naled	105		P	80 - 120
Napropamide	101		P	80 - 120
Norflurazon	98.8		P	80 - 120
Oxadiazon	97.3		P	80 - 120
Oxyfluorfen	104		P	80 - 120
Parathion Ethyl	96.9		P	80 - 120
Parathion Methyl	103		P	80 - 120
Pendimethalin	93.0		P	80 - 120
Phenytol	102		P	80 - 120
Phorate	103		P	80 - 120
Prodiamine	103		P	80 - 120
Prometon	101		P	80 - 120
Prometryn	97.3		P	80 - 120
Pronamide	96.9		P	80 - 120
Propanil	99.5		P	80 - 120
Propargite	104		P	80 - 120
Propiconazole	100		P	80 - 120
Pyraflufen Ethyl	105		P	80 - 120
Pyridaben	102		P	80 - 120
Pyriproxyfen	99.3		P	80 - 120
Simazine	101		P	80 - 120
Stirophos	100		P	80 - 120
Sulfentrazone	89.3		P	80 - 120
Tebuconazole	105		P	80 - 120
Terbufos	96.7		P	80 - 120
Terbuthylazine	99.2		P	80 - 120
Thiobencarb	99.4		P	80 - 120
Triadimefon	97.7		P	80 - 120

Reference Method: EPA 8270E
Run ID: A117664
Included Lab Sample IDs: 2385305

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	97.7		P	80 - 120
Myclobutanil	99.0		P	80 - 120

Reference Method: SM 4500-F- C-2011
Run ID: A117689
Included Lab Sample IDs: 2385217, 2385218, 2385219, 2385226

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

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		Precision	
					LCS	SMP
DEP SOP: NU-094-1	Color (true)	99.6				1.74
	Color (true)	98.6				12.3
EPA 180.1 Rev. 2.0	Turbidity	101				7.97
EPA 300.0 Rev. 2.1	Chloride	92.0	94.3	94.4		4.11
	Chloride	105	101	104		3.85
	Sulfate	94.0	95.9	103		4.88
	Sulfate	95.9	93.0	99.7		0.829
EPA 350.1 Rev. 2.0	Ammonia-N	99.2	101	103		
	Ammonia-N	99.0	102	101		1.90
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	94.1	108	98.5		0.592
EPA 353.2 Rev. 2.0	NO2NO3-N	104	104	103		5.07
EPA 365.1 Rev. 2.0	Total-P	107	106	107		0.484
	Total-P	104	110	106		0.911
	Total-P	101	101	102		3.60
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.2	100	101		0.961
EPA 8270E	2-Ethylhexyl	75.9	57.0	72.2		0.398
	2,3,4,5-tetrabromobenzoate (EHTBB)					23.6
	Acetochlor	95.1	88.6	83.2		
	Alachlor	89.5	81.8	75.4		6.29
	Ametryn	100	122	87.7		8.17
	Atrazine	97.7				17.9
	Atrazine Desethyl	103				22.4
	Avobenzone	91.1	72.6	81.7		19.8
	Azinphos Methyl	121	120	111		11.7
	Azoxystrobin	113	136	112		8.00
	Bromacil	95.0	79.4	83.6		19.6
	Butylate	62.6	64.4	49.1		5.16
	Caffeine	78.5	71.2	74.7		27.1
	Carbophenothion	113	108	109		4.66
	Carfentrazone Ethyl	117	101	89.5		0.877
	Chlorfenapyr	96.8	86.9	69.1		12.1
	Chlorpyrifos Ethyl	91.5	83.6	79.9		22.8
	Chlorpyrifos Methyl	110	108	100		4.47
	Coumaphos	105	49.7	72.0		7.85
	Cyanazine	323	179	285		36.5
	Cyprodinil	120	122	107		46.0
	Dechlorane Plus	84.3	76.2	52.2		12.9
	Demeton	89.3	121	101		37.3
	Diazinon	97.5	99.7	94.4		17.5
	Difenoconazole	124	77.4	156		5.53
	Dimethenamid	79.8	51.5	78.5		67.6
	Dimethomorph	173	208	191		41.4
	Disulfoton	102	115	106		8.16
	Dithiopyr	96.4	94.4	84.5		8.36
	EPTC	61.0	69.3	48.1		11.0
	Ethion	37.7	14.7	43.6		36.1
	Ethoprop	93.9	107	94.6		99.0
	Etridiazole	70.0	87.4	55.2		12.1
	Fenamiphos	96.8	109	98.2		45.2
	Fenbuconazole	110	82.2	102		10.4
	Fipronil	123	120	113		21.7
	Fipronil Desulfinyl	116	110	111		6.02
	Fipronil Sulfide	93.8	99.1	93.9		0.449
						4.06

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	
							SMP	MS
EPA 8270E	Fipronil Sulfone	112		88.6	73.4			10.4
	Fluazifop-P-butyl	99.6		93.7	89.2			4.91
	Fludioxonil	99.2		99.5	81.7			19.6
	Flumioxazin	119		82.6	157			62.2
	Flutolanil	105		79.3	90.5			13.2
	Fluxapyroxad	77.3		31.3	66.8			72.4
	Fonofos	90.5		102	83.2			20.1
	Hexazinone	87.2		78.9	90.1			13.3
	Imazalil	85.1		127	113			11.5
	Iprodione	109		67.2	89.2			28.1
	Loratadine	203		175	195			11.0
	Malathion	91.1		89.2	82.3			7.98
	Metalaxyl	103		114	95.6			17.1
	Metolachlor	97.8		84.8	83.5			1.50
	Metribuzin	103		126	89.1			34.6
	Mevinphos	81.4		89.0	77.5			13.7
	Molinate	70.9		78.1	64.1			19.7
	Myclobutanil	94.4		113	116			1.27
	Naled	111		113	98.9			13.5
	Napropamide	65.5		9.16	68.2			153
	Norflurazon	95.1		81.2	89.8			10.0
	Octinoxate	73.4		61.8	60.8			1.56
	Oxadiazon	93.9		81.1	70.8			13.6
	Oxybenzone	69.3		63.8	59.4			7.08
	Oxyfluorfen	113		97.9	111			12.8
	Parathion Ethyl	84.5		94.3	82.5			13.4
	Parathion Methyl	106		112	122			8.70
	PBDE-47	70.0		49.5	63.3			24.5
	PBDE-99	68.4		48.6	64.0			27.4
	Pendimethalin	87.6		105	112			7.08
	Phenytol	4.28		19.9	12.4			46.1
	Phorate	95.7		86.7	110			23.4
	Prodiamine	42.3		68.4	56.1			19.7
	Prometon	85.0		77.0	75.3			2.19
	Prometryn	92.4		81.7	96.0			16.1
	Pronamide	90.0		90.9	96.8			6.25
	Propanil	93.7		87.4	85.1			2.73
	Propargite	63.5		57.6	37.8			41.4
	Propiconazole	105		89.2	92.3			1.91
	Pyraflufen Ethyl	106		85.5	86.1			0.663
	Pyridaben	134		122	115			5.60
	Pyriproxyfen	74.6		81.4	40.9			66.2
	Simazine	91.7		103	119			12.8
	Stirophos	66.1		61.3	40.8			40.1
	Sulfentrazone	69.1		69.0	74.7			5.35
	Tebuconazole	46.1		3.58	47.3			98.7
	Terbufos	111		104	129			21.1
	Terbuthylazine	82.1		69.0	89.9			26.3
	Thiobencarb	80.0		71.9	75.6			5.03
	Tri-o-cresyl Phosphate	71.7		62.9	60.2			4.29
	Triadimefon	81.6		64.4	50.4			18.4
SM 2320 B-2011	Total Alkalinity	96.9					0.143	
SM 2540 C-2015	TDS	94.6					4.30	
SM 2540 D-2015	TSS	89.4						

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	MS
SM 4500-F- C-2011	Fluoride	98.7	104	101		3.55
SM 5310 B-2011	Organic Carbon	94.6	95.4	97.7		1.80

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2385217, 2385218, 2385219, 2385226
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2385217, 2385218, 2385219, 2385226
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2385217, 2385218, 2385219, 2385226
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2385217, 2385218, 2385219, 2385226
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2385220, 2385221, 2385222, 2385227
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2385220, 2385221, 2385222, 2385227
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2385220, 2385221, 2385222, 2385227
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2385220, 2385221, 2385222, 2385227
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2385223, 2385224, 2385225, 2385228
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2385305
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2385305
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2385217, 2385218, 2385219, 2385226
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2385217, 2385218, 2385219, 2385226
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2385217, 2385218, 2385219, 2385226
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2385217, 2385218, 2385219, 2385226
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2385220, 2385221, 2385222, 2385227

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	02/07/2023			02/07/2023 14:30	Alexis Price	2385217
	02/07/2023			02/07/2023 14:33	Alexis Price	2385218
	02/07/2023			02/07/2023 14:34	Alexis Price	2385219, 2385226
EPA 180.1 Rev. 2.0	02/07/2023			02/07/2023 13:56	Anna M. Plaviak	2385217
	02/07/2023			02/07/2023 13:57	Anna M. Plaviak	2385218
	02/07/2023			02/07/2023 13:59	Anna M. Plaviak	2385219
EPA 300.0 Rev. 2.1	02/07/2023			02/07/2023 14:00	Anna M. Plaviak	2385226
	02/07/2023			02/16/2023 15:51	Anna M. Plaviak	2385217
	02/07/2023			02/16/2023 21:51	Anna M. Plaviak	2385219
	02/07/2023			02/16/2023 22:51	Anna M. Plaviak	2385218
	02/07/2023			02/16/2023 23:06	Anna M. Plaviak	2385226
	02/07/2023			02/22/2023 23:55	Anna M. Plaviak	2385219
EPA 350.1 Rev. 2.0	02/07/2023			02/23/2023 00:55	Anna M. Plaviak	2385218
	02/07/2023			02/23/2023 01:10	Anna M. Plaviak	2385226
	02/07/2023			02/15/2023 12:46	Khloe J Berg	2385222
	02/07/2023			02/15/2023 12:47	Khloe J Berg	2385227
	02/07/2023			02/20/2023 12:57	Ping Hua	2385220
EPA 351.2 Rev. 2.0	02/07/2023			02/20/2023 12:58	Ping Hua	2385221
	02/07/2023	02/14/2023 13:15	Simonne.V. Calhoun	02/21/2023 12:19	Samantha L Bates	2385220
	02/07/2023	02/14/2023 13:15	Simonne.V. Calhoun	02/21/2023 12:21	Samantha L Bates	2385221
	02/07/2023	02/14/2023 13:15	Simonne.V. Calhoun	02/21/2023 12:22	Samantha L Bates	2385222
EPA 353.2 Rev. 2.0	02/07/2023	02/14/2023 13:15	Simonne.V. Calhoun	02/21/2023 12:24	Samantha L Bates	2385227
	02/07/2023			02/10/2023 10:07	Beverly Y. Sanders	2385220
	02/07/2023			02/10/2023 10:08	Beverly Y. Sanders	2385221
	02/07/2023			02/10/2023 10:09	Beverly Y. Sanders	2385222
EPA 365.1 Rev. 2.0	02/07/2023			02/10/2023 10:10	Beverly Y. Sanders	2385227
	02/07/2023	02/08/2023 16:06	Adam P Silver	02/09/2023 11:54	Simonne.V. Calhoun	2385220
	02/07/2023	02/08/2023 16:06	Adam P Silver	02/09/2023 12:07	Simonne.V. Calhoun	2385222
	02/07/2023	02/08/2023 16:06	Adam P Silver	02/09/2023 12:08	Simonne.V. Calhoun	2385227
EPA 365.1 Rev. 2.0 dissolved	02/07/2023	02/09/2023 20:09	Adam P Silver	02/10/2023 13:35	James L Waggeberby	2385221
	02/07/2023			02/07/2023 14:22	Elise M. Gillis	2385224
	02/07/2023			02/07/2023 14:26	Elise M. Gillis	2385223
	02/07/2023			02/07/2023 14:27	Elise M. Gillis	2385225
EPA 8270E	02/07/2023			02/07/2023 14:28	Elise M. Gillis	2385228
	02/07/2023	02/10/2023 08:00	Fe-Val Siddell	02/16/2023 17:54	Arthur Maknenko	2385305
	02/07/2023	02/10/2023 08:00	Fe-Val Siddell	02/17/2023 17:22	Michael Poppell	2385305
	02/07/2023	02/10/2023 08:00	Fe-Val Siddell	02/23/2023 18:49	Michael Poppell	2385305
SM 2320 B-2011	02/07/2023	02/10/2023 08:00	Fe-Val Siddell	02/23/2023 20:17	Michael Poppell	2385305
	02/07/2023			02/11/2023 01:18	Dale L. Simmons	2385218
	02/07/2023			02/11/2023 05:50	Dale L. Simmons	2385217

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 2320 B-2011	02/07/2023			02/11/2023 06:03	Dale L. Simmons	2385219
	02/07/2023			02/11/2023 06:17	Dale L. Simmons	2385226
SM 2540 C-2015	02/07/2023			02/08/2023 14:40	Yijie Li	2385217, 2385218, 2385219, 2385226
SM 2540 D-2015	02/07/2023			02/08/2023 14:40	Yijie Li	2385217, 2385218, 2385219, 2385226
SM 4500-F- C-2011	02/07/2023			02/28/2023 02:58	Chandler E Cox	2385217
	02/07/2023			02/28/2023 03:03	Chandler E Cox	2385218
	02/07/2023			02/28/2023 03:08	Chandler E Cox	2385219
	02/07/2023			02/28/2023 03:14	Chandler E Cox	2385226
SM 5310 B-2011	02/07/2023			02/09/2023 21:59	Elise M. Gillis	2385220
	02/07/2023			02/09/2023 22:13	Elise M. Gillis	2385221
	02/07/2023			02/09/2023 22:54	Elise M. Gillis	2385222
	02/07/2023			02/09/2023 23:08	Elise M. Gillis	2385227