

Chemical Analysis Report

SO-DIST-2023-03-21-01

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

Event Description: **Horse Creek Ref SCI**
Request ID: **RQ-2023-03-20-35**
Customer: **SO-DIST**
Project ID: **SCIREF**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 11-APR-2023 09:39



Case Narrative

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

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

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

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

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

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

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

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

Precision is reported as relative percent difference unless otherwise noted.

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

QC Codes used in this report may include:

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

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

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

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

Sample Location: Horse Creek

Collection Date/Time: 03/20/2023 09:00

Field ID: G3SD0157

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2395010	DEP SOP: NU-094-1	Color (true)	44	A	PCU	P427411	
	EPA 180.1 Rev. 2.0	Turbidity	1.2		NTU	P427423	
	EPA 300.0 Rev. 2.1	Chloride	32		mg Cl/L	P427855	
		Sulfate	200		mg SO4/L	P427940	
	SM 2320 B-2011	Total Alkalinity	88		mg CaCO3/L	P427558	
	SM 2540 C-2015	TDS	440	A	mg/L	P428162	
	SM 2540 D-2015	TSS	3	IA	mg/L	P427911	
	SM 4500-F- C-2011	Fluoride	0.63		mg F/L	P427560	
2395011	EPA 350.1 Rev. 2.0	Ammonia-N	0.032		mg N/L	P427571	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.64		mg N/L	P427737	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.18		mg N/L	P427547	
	EPA 365.1 Rev. 2.0	Total-P	0.51		mg P/L	P427532	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P427749	
2395012	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.48		mg P/L	P427426	
2395030	EPA 8321B	2,4-D	0.0020	U	ug/L	P427453	
		Acesulfame K	0.10	UJ	ug/L	P427368	MS
		AMPA	0.10	U	ug/L	P427368	
		2,4,5-T	0.0040	U	ug/L	P427453	
		Acetaminophen	0.0080	U	ug/L	P427453	
		Endothall	0.25	U	ug/L	P427368	
		Acetamiprid	0.0020	U	ug/L	P427453	
		Glufosinate	0.10	U	ug/L	P427368	
		Glyphosate	0.10	U	ug/L	P427368	
		Afidopyrophen	0.0020	U	ug/L	P427453	
		Sucralose	0.014	I	ug/L	P427368	
		Bentazon	0.0059		ug/L	P427453	
		Benzovindiflupyr	0.0020	U	ug/L	P427453	
		Carbamazepine	8.0E-04	U	ug/L	P427453	
		Clothianidin	0.027		ug/L	P427453	
		Dinotefuran	0.0020	U	ug/L	P427453	
		Diuron	0.0020	U	ug/L	P427453	
		Fenuron	0.032	U	ug/L	P427453	
		Fluridone	8.0E-04	U	ug/L	P427453	
		Imazapyr	0.0064	I	ug/L	P427453	
		Hydrocodone	0.0020	U	ug/L	P427453	
		Ibuprofen	0.080	U	ug/L	P427453	
		Imidacloprid	0.057		ug/L	P427453	
		Linuron	0.0040	U	ug/L	P427453	
		Mandestrobin	0.0020	U	ug/L	P427453	
		MCP	0.0020	U	ug/L	P427453	
		Naproxen	0.0080	U	ug/L	P427453	
		Primidone	0.0040	U	ug/L	P427453	
		Pyraclostrobin	0.0020	U	ug/L	P427453	

Field ID: G3SD0157

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2395030	EPA 8321B	Silvex	0.0040	U	ug/L	P427453	
		Thiamethoxam	0.055		ug/L	P427453	
		Tolfenpyrad	0.0020	U	ug/L	P427453	
		Triclopyr	0.0040	U	ug/L	P427453	
2395031	EPA 200.7 Rev. 4.4	Barium	11.2		ug/L	P427491	
		Calcium	80.7		mg/L	P427491	
		Iron	110	I	ug/L	P427491	
		Magnesium	26.6		mg/L	P427491	
	EPA 200.8 Rev. 5.4	Potassium	5.5		mg/L	P427491	
		Sodium	15.2		mg/L	P427491	
		Zinc	5.0	U	ug/L	P427491	
		Aluminum	31		ug/L	P427491	
		Antimony	0.49		ug/L	P427491	
		Arsenic	0.86		ug/L	P427491	
		Beryllium	0.010	U	ug/L	P427491	
		Boron	36.8		ug/L	P427491	
		Cadmium	0.020	U	ug/L	P427491	
		Chromium	0.40	U	ug/L	P427491	
		Cobalt	0.125		ug/L	P427491	
		Copper	0.40	U	ug/L	P427491	
		Lead	0.20	U	ug/L	P427491	
		Manganese	39.1		ug/L	P427491	
		Molybdenum	2.73		ug/L	P427491	
		Nickel	1.1	I	ug/L	P427491	
		Selenium	0.24	I	ug/L	P427491	
		Silver	0.010	U	ug/L	P427491	
		Thallium	0.10	U	ug/L	P427491	
2395032	EPA 8270E	Oxybenzone**	10	U	ng/L	P427449	
		Acetochlor	0.21	U	ng/L	P427449	
		Octinoxate**	21	U	ng/L	P427449	
		Alachlor	0.41	U	ng/L	P427449	
		Avobenzone**	100	U	ng/L	P427449	
		Ametryn	3.6	I	ng/L	P427449	
		Atrazine	7.0		ng/L	P427449	
		PBDE-47**	4.1	U	ng/L	P427449	
		Atrazine Desethyl	1.3	U	ng/L	P427449	
		PBDE-99**	5.2	U	ng/L	P427449	
		Azinphos Methyl	3.1	U	ng/L	P427449	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P427449	
		Azoxystrobin	1.1	I	ng/L	P427449	
		Bromacil	110		ng/L	P427449	
		2-Ethylhexyl	12	U	ng/L	P427449	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.21	U	ng/L	P427449	
		Dechlorane Plus**	31	UJ	ng/L	P427449	RPD

Field ID: G3SD0157

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2395032	EPA 8270E	Caffeine**	7.7	U	ng/L	P427449	RPD
		Dechlorane 602**	5.2	U	ng/L	P427449	
		Carbophenothion	0.52	U	ng/L	P427449	
		Dechlorane 603**	4.1	U	ng/L	P427449	
		Carfentrazone Ethyl	0.15	U	ng/L	P427449	
		Hexabromobenzene**	6.2	U	ng/L	P427449	
		Chlorfenapyr	0.31	U	ng/L	P427449	
		PBB-153**	8.2	U	ng/L	P427449	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P427449	
		Pentabromotoluene**	3.1	U	ng/L	P427449	
		Chlorpyrifos Methyl	0.10	U	ng/L	P427449	
		Tris(2-chloroethyl) phosphate (TCEP)**	72	U	ng/L	P427449	
		Coumaphos	1.1	U	ng/L	P427449	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	15	U	ng/L	P427449	
		Cyanazine	5.2	U	ng/L	P427449	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P427449	
		Cyprodinil	0.21	U	ng/L	P427449	
		Tetradecachloro-m-terphenyl**	7.7	UJ	ng/L	P427449	
		Demeton	3.6	U	ng/L	P427449	
		Diazinon	0.13	U	ng/L	P427449	
		Difenoconazole	0.62	U	ng/L	P427449	
		Dimethenamid	0.10	U	ng/L	P427449	
		Dimethomorph	0.31	U	ng/L	P427449	
		Disulfoton	0.62	U	ng/L	P427449	
		Dithiopyr	1.0	U	ng/L	P427449	
		EPTC	0.52	U	ng/L	P427449	
		Ethion	0.31	U	ng/L	P427449	
		Ethoprop	0.13	U	ng/L	P427449	
		Etridiazole	0.10	U	ng/L	P427449	
		Fenamiphos	0.46	U	ng/L	P427449	
		Fenbuconazole	0.52	U	ng/L	P427449	
		Fipronil	0.21	U	ng/L	P427449	
		Fipronil Desulfinyl**	0.10	U	ng/L	P427449	
		Fipronil Sulfide	0.10	U	ng/L	P427449	
		Fipronil Sulfone	0.10	U	ng/L	P427449	
		Fluazifop-P-butyl	0.10	U	ng/L	P427449	
		Fludioxonil	0.10	U	ng/L	P427449	
		Flumioxazin	3.1	U	ng/L	P427449	
		Flutolanil	0.10	U	ng/L	P427449	
		Fluxapyroxad	0.26	U	ng/L	P427449	
		Fonofos	0.15	U	ng/L	P427449	
		Hexazinone	5.6		ng/L	P427449	
		Imazalil	0.67	U	ng/L	P427449	
		Iprodione	0.52	U	ng/L	P427449	

Field ID: G3SD0157

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2395032	EPA 8270E	Loratadine**	0.31	U	ng/L	P427449	MS, RPD
		Malathion	0.36	UJ	ng/L	P427449	
		Metalaxyl	67		ng/L	P427449	
		Metolachlor	25		ng/L	P427449	
		Metribuzin	0.41	U	ng/L	P427449	
		Mevinphos	1.0	U	ng/L	P427449	
		Molinate	0.26	U	ng/L	P427449	
		Myclobutanil	0.36	U	ng/L	P427449	
		Naled	2.6	U	ng/L	P427449	
		Napropamide	0.72	U	ng/L	P427449	
		Norflurazon	35		ng/L	P427449	
		Oxadiazon	0.36	U	ng/L	P427449	
		Oxyfluorfen	0.21	U	ng/L	P427449	
		Parathion Ethyl	0.15	U	ng/L	P427449	
		Parathion Methyl	0.21	U	ng/L	P427449	
		Pendimethalin	0.77	U	ng/L	P427449	
		Phenytoin**	5.5	U	ng/L	P427449	
		Phorate	0.26	U	ng/L	P427449	
		Prodiamine	0.21	U	ng/L	P427449	
		Prometon	3.1	U	ng/L	P427449	
		Prometryn	0.36	U	ng/L	P427449	
		Pronamide	0.10	U	ng/L	P427449	
		Propanil	0.10	U	ng/L	P427449	
		Propargite	0.82	U	ng/L	P427449	
		Propiconazole	0.62	U	ng/L	P427449	
		Pyraflufen Ethyl	0.31	U	ng/L	P427449	
		Pyridaben	1.4	U	ng/L	P427449	
		Pyriproxyfen	0.26	U	ng/L	P427449	
		Simazine	0.26	U	ng/L	P427449	
		Stirophos	0.41	UJ	ng/L	P427449	RPD
		Sulfentrazone	1.4	U	ng/L	P427449	
		Tebuconazole	1.4	U	ng/L	P427449	
		Terbufos	0.21	U	ng/L	P427449	
		Terbuthylazine	0.21	U	ng/L	P427449	
		Thiobencarb	0.52	UJ	ng/L	P427449	
		Triadimefon	0.15	U	ng/L	P427449	

Ref. Method and Comment:

EPA 300.0 Rev. 2.1: Sulfate: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.

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

EPA 8270E: MS accuracy for multiple parameters 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.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P427411

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P427423

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P427491

Component	Result	Code	Units
Barium	1.0	U	ug/L
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: P427491

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427855

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427940

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427571

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427737

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427547

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427532

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P427426

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

Reference Method: EPA 8270E
Batch ID: P427449

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P427449

Component	Result	Code	Units
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P427449

Component	Result	Code	Units
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metaxyl	0.50	U	ng/L
Metaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P427449

Component	Result	Code	Units
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiatone	0.20	U	ng/L
Prodiatone	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P427449

Component	Result	Code	Units
Terbutylazine	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	I	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	16	I	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L

Reference Method: EPA 8321B

Batch ID: P427368

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: P427453

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B

Batch ID: P427453

Component	Result	Code	Units
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: SM 2320 B-2011

Batch ID: P427558

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

Reference Method: SM 2540 C-2015

Batch ID: P428162

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015

Batch ID: P427911

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011

Batch ID: P427560

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011

Batch ID: P427749

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: P427411

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	96.3		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P427423

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P427491

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Barium	98.8		P	85 - 115
Calcium	101		P	85 - 115
Iron	105		P	85 - 115
Magnesium	105		P	85 - 115
Potassium	102		P	85 - 115
Sodium	99.4		P	85 - 115
Zinc	98.5		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P427491

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	103		P	85 - 115
Antimony	104		P	85 - 115
Arsenic	104		P	85 - 115
Beryllium	96.7		P	85 - 115
Boron	102		P	85 - 115
Cadmium	102		P	85 - 115
Chromium	103		P	85 - 115
Cobalt	105		P	85 - 115
Copper	103		P	85 - 115
Lead	97.1		P	85 - 115
Manganese	102		P	85 - 115
Molybdenum	102		P	85 - 115
Nickel	105		P	85 - 115
Selenium	102		P	85 - 115
Silver	101		P	85 - 115
Thallium	102		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427855

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427940

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.4		P	90 - 110

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427571

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427737

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427547

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427532

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	99.1		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P427426

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

Reference Method: EPA 8270E
Batch ID: P427449

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.8		P	42 - 162
Acetochlor	87.5		P	69 - 123
Alachlor	82.9		P	65 - 118
Ametryn	125		P	58 - 141
Atrazine	95.7		P	73 - 118
Atrazine Desethyl	111		P	32 - 125
Avobenzone	106		P	40 - 203
Azinphos Methyl	96.1		P	36 - 197
Azoxystrobin	78.7		P	58 - 226
Bromacil	92.0		P	48 - 120
Butylate	69.6		P	27 - 85.0
Caffeine	109		P	40 - 137
Carbophenothion	81.9		P	54 - 132
Carfentrazone Ethyl	93.2		P	60 - 142
Chlorfenapyr	78.2		P	53 - 117
Chlorpyrifos Ethyl	108		P	59 - 116
Chlorpyrifos Methyl	96.2		P	66 - 119
Coumaphos	70.8		P	11 - 234
Cyanazine	195		P	61 - 248
Cyprodinil	93.9		P	50 - 147
Dechlorane 602	86.7		P	50 - 150
Dechlorane 603	93.6		P	50 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P427449

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dechlorane Plus	79.5		P	47 - 182
Demeton	83.6		P	30 - 138
Diazinon	102		P	67 - 126
Difenoconazole	147		P	38 - 205
Dimethenamid	77.2		P	57 - 111
Dimethomorph	93.9		P	16 - 212
Disulfoton	101		P	46 - 126
Dithiopyr	78.0		P	62 - 115
EPTC	59.9		P	28 - 80.0
Ethion	32.9		P	24 - 122
Ethoprop	94.7		P	62 - 113
Etridiazole	67.1		P	28 - 92.0
Fenamiphos	79.2		P	57 - 128
Fenbuconazole	123		P	52 - 155
Fipronil	93.9		P	63 - 130
Fipronil Desulfinyl	71.8		P	61 - 130
Fipronil Sulfide	83.7		P	56 - 117
Fipronil Sulfone	74.8		P	52 - 118
Fluazifop-P-butyl	97.5		P	61 - 128
Fludioxonil	74.6		P	59 - 129
Flumioxazin	53.7		P	30 - 250
Flutolanil	92.9		P	53 - 127
Fluxapyroxad	60.4		P	42 - 132
Fonofos	101		P	61 - 110
Hexabromobenzene	102		P	50 - 150
Hexazinone	93.6		P	46 - 139
Imazalil	87.7		P	40 - 139
Iprodione	75.8		P	40 - 146
Loratadine	92.3		P	10 - 224
Malathion	85.8		P	61 - 135
Metalaxyl	79.3		P	58 - 121
Metolachlor	90.8		P	64 - 118
Metribuzin	116		P	45 - 245
Mevinphos	98.1		P	49 - 118
Molinate	74.5		P	42 - 92.0
Myclobutanil	88.4		P	55 - 127
Naled	77.3		P	10 - 114
Napropamide	60.8		P	39 - 121
Norflurazon	61.0		P	55 - 129
Octinoxate	109		P	26 - 166
Oxadiazon	71.0		P	54 - 115
Oxybenzone	113		P	49 - 135
Oxyfluorfen	92.0		P	64 - 139
Parathion Ethyl	107		P	70 - 111
Parathion Methyl	102		P	76 - 136
PBB-153	93.7		P	50 - 150
PBDE-47	108		P	41 - 148
PBDE-99	95.7		P	38 - 147
Pendimethalin	107		P	52 - 118
Pentabromotoluene	99.0		P	50 - 150
Phenytoin	15.6		P	10 - 162
Phorate	84.6		P	40 - 122

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P427449

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Prodiamine	42.0		P	26 - 141
Prometon	88.7		P	54 - 122
Prometryn	95.5		P	61 - 128
Pronamide	103		P	72 - 121
Propanil	102		P	45 - 144
Propargite	42.2		P	10 - 199
Propiconazole	66.7		P	56 - 127
Pyraflufen Ethyl	58.7		P	56 - 140
Pyridaben	109		P	26 - 211
Pyriproxyfen	159		P	33 - 194
Simazine	92.4		P	67 - 121
Stirophos	46.9		P	20 - 142
Sulfentrazone	65.6		P	21 - 144
Tebuconazole	38.1		P	10 - 122
Terbufos	103		P	60 - 129
Terbutylazine	93.3		P	69 - 113
Tetradecachloro-m-terphenyl	107		P	70 - 200
Thiobencarb	81.1		P	51 - 120
Tri-o-cresyl Phosphate	116		P	49 - 150
Triadimefon	84.1		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	118		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	102		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	121		P	70 - 180

Reference Method: EPA 8321B

Batch ID: P427368

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	97.8		P	40 - 150
AMPA	104		P	40 - 150
Endothall	101		P	40 - 150
Glufosinate	99.5		P	40 - 150
Glyphosate	105		P	40 - 150
Sucralose	112		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P427453

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	97.1		P	40 - 150
2,4,5-T	101		P	40 - 150
Acetaminophen	83.3		P	30 - 150
Acetamiprid	86.4		P	40 - 150
Afidopyropen	67.7		P	30 - 150
Bentazon	89.4		P	30 - 150
Benzovindiflupyr	85.4		P	40 - 150
Carbamazepine	86.4		P	40 - 150
Clothianidin	95.5		P	40 - 150
Dinotefuran	98.0		P	40 - 150
Diuron	83.7		P	40 - 150
Fenuron	92.2		P	40 - 150
Fluridone	80.2		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P427453

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Hydrocodone	98.8		P	40 - 150
Ibuprofen	84.0		P	40 - 150
Imazapyr	97.2		P	40 - 150
Imidacloprid	89.7		P	40 - 150
Linuron	78.7		P	40 - 150
Mandestrobin	82.4		P	40 - 150
MCPP	91.9		P	40 - 150
Naproxen	114		P	40 - 150
Primidone	92.7		P	40 - 150
Pyraclostrobin	71.2		P	40 - 150
Silvex	99.2		P	40 - 150
Thiamethoxam	96.1		P	40 - 150
Tolfenpyrad	47.4		P	30 - 150
Triclopyr	95.6		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P427558

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.8		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P428162

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	98.6		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P427911

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	95.9		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P427560

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	103		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P427749

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: P427491

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395064	Barium	95.8	95.5	P/P	80 - 120
2395064	Calcium	96.8		P	80 - 120
2395064	Iron	103	103	P/P	80 - 120
2395064	Magnesium	102	101	P/P	80 - 120
2395064	Potassium	99.6	99.8	P/P	80 - 120
2395064	Sodium	95.9	96.9	P/P	80 - 120
2395064	Zinc	94.8	94.5	P/P	80 - 120
2395069	Barium	94.8		P	80 - 120
2395069	Calcium	97.1		P	80 - 120
2395069	Iron	103		P	80 - 120
2395069	Magnesium	101		P	80 - 120
2395069	Potassium	100		P	80 - 120
2395069	Sodium	92.9		P	80 - 120
2395069	Zinc	95.4		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P427491

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395064	Aluminum	101	99.9	P/P	80 - 120
2395064	Antimony	105	105	P/P	80 - 120
2395064	Arsenic	103	103	P/P	80 - 120
2395064	Beryllium	96.7	95.7	P/P	80 - 120
2395064	Boron	101	102	P/P	80 - 120
2395064	Cadmium	105	105	P/P	80 - 120
2395064	Chromium	103	103	P/P	80 - 120
2395064	Cobalt	104	103	P/P	80 - 120
2395064	Copper	99.5	99.3	P/P	80 - 120
2395064	Lead	95.9	96.4	P/P	80 - 120
2395064	Manganese	103	102	P/P	80 - 120
2395064	Molybdenum	104	105	P/P	80 - 120
2395064	Nickel	104	102	P/P	80 - 120
2395064	Selenium	99.2	103	P/P	80 - 120
2395064	Silver	100	100	P/P	80 - 120
2395064	Thallium	102	104	P/P	80 - 120
2395069	Aluminum	101		P	80 - 120
2395069	Antimony	105		P	80 - 120
2395069	Arsenic	102		P	80 - 120
2395069	Beryllium	97.2		P	80 - 120
2395069	Boron	105		P	80 - 120
2395069	Cadmium	107		P	80 - 120
2395069	Chromium	105		P	80 - 120
2395069	Cobalt	102		P	80 - 120
2395069	Copper	98.5		P	80 - 120
2395069	Lead	96.5		P	80 - 120
2395069	Manganese	104		P	80 - 120
2395069	Molybdenum	103		P	80 - 120
2395069	Nickel	101		P	80 - 120
2395069	Selenium	101		P	80 - 120
2395069	Silver	102		P	80 - 120
2395069	Thallium	104		P	80 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427855

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2394997	Chloride	96.1		P	90 - 110
2395043	Chloride	97.5		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427940

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2396562	Sulfate	98.0		P	90 - 110
2396602	Sulfate	96.0		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427571

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395011	Ammonia-N	103	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427737

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2394988	Kjeldahl Nitrogen	91.6	98.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427547

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2394993	NO2NO3-N	98.0	97.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427532

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2394810	Total-P	102	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P427426

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395023	O-Phosphate-P	99.0	99.3	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P427449

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395032	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	85.8	90.2	P/P	26 - 165
2395032	Acetochlor	107	103	P/P	67 - 124
2395032	Alachlor	99.9	95.0	P/P	60 - 120
2395032	Ametryn	129	104	P/P	54 - 216
2395032	Atrazine Desethyl	117	97.0	P/P	15 - 122
2395032	Avobenzone	108	120	P/P	37 - 178
2395032	Azinphos Methyl	120	119	P/P	40 - 292
2395032	Azoxystrobin	104	114	P/P	35 - 220

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P427449

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395032	Butylate	70.5	67.1	P/P	20 - 83.0
2395032	Caffeine	117	111	P/P	10 - 194
2395032	Carbophenothion	89.3	79.3	P/P	57 - 127
2395032	Carfentrazone Ethyl	113	109	P/P	51 - 141
2395032	Chlorfenapyr	80.9	82.4	P/P	46 - 111
2395032	Chlorpyrifos Ethyl	96.0	101	P/P	52 - 120
2395032	Chlorpyrifos Methyl	106	104	P/P	63 - 119
2395032	Coumaphos	82.6	88.1	P/P	10 - 228
2395032	Cyanazine	187	210	P/P	59 - 241
2395032	Cyprodinil	113	94.2	P/P	47 - 146
2395032	Dechlorane 602	72.8	78.0	P/P	50 - 150
2395032	Dechlorane 603	81.0	89.9	P/P	50 - 150
2395032	Dechlorane Plus	52.5	82.7	P/P	50 - 150
2395032	Demeton	82.6	89.8	P/P	40 - 136
2395032	Diazinon	116	114	P/P	69 - 132
2395032	Difenoconazole	113	115	P/P	57 - 258
2395032	Dimethenamid	105	94.6	P/P	54 - 110
2395032	Dimethomorph	153	185	P/P	28 - 210
2395032	Disulfoton	97.8	108	P/P	43 - 133
2395032	Dithiopyr	105	98.2	P/P	39 - 116
2395032	EPTC	65.0	62.3	P/P	20 - 78.0
2395032	Ethion	65.4	67.2	P/P	17 - 119
2395032	Ethoprop	89.2	91.4	P/P	66 - 120
2395032	Etridiazole	73.6	70.3	P/P	28 - 96.0
2395032	Fenamiphos	72.1	68.2	P/P	41 - 126
2395032	Fenbuconazole	90.0	93.7	P/P	42 - 169
2395032	Fipronil	111	111	P/P	61 - 132
2395032	Fipronil Desulfanyl	100	92.9	P/P	56 - 132
2395032	Fipronil Sulfide	92.3	83.5	P/P	48 - 119
2395032	Fipronil Sulfone	81.6	71.3	P/P	42 - 131
2395032	Fluazifop-P-butyl	115	98.6	P/P	53 - 131
2395032	Fludioxonil	100	90.6	P/P	56 - 127
2395032	Flumioxazin	104	110	P/P	19 - 300
2395032	Flutolanil	108	89.0	P/P	41 - 127
2395032	Fluxapyroxad	91.6	85.0	P/P	42 - 172
2395032	Fonofos	95.2	95.8	P/P	59 - 113
2395032	Hexabromobenzene	95.2	101	P/P	50 - 150
2395032	Hexazinone	91.6	93.1	P/P	66 - 122
2395032	Imazalil	77.9	81.3	P/P	21 - 283
2395032	Iprodione	113	97.3	P/P	43 - 150
2395032	Loratadine	144	165	P/P	23 - 201
2395032	Malathion	90.0	37.6	P/F	58 - 136
2395032	Metribuzin	93.4	95.1	P/P	58 - 294
2395032	Mevinphos	89.2	88.5	P/P	50 - 126
2395032	Molinate	70.9	72.7	P/P	42 - 93.0
2395032	Myclobutanil	104	100	P/P	55 - 125
2395032	Naled	80.1	72.4	P/P	18 - 200
2395032	Napropamide	96.8	82.4	P/P	39 - 110
2395032	Octinoxate	81.8	83.4	P/P	21 - 159
2395032	Oxadiazon	89.5	87.5	P/P	43 - 112
2395032	Oxybenzone	104	111	P/P	41 - 142
2395032	Oxyfluorfen	119	115	P/P	64 - 153

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P427449

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395032	Parathion Ethyl	91.3	101	P/P	69 - 114
2395032	Parathion Methyl	96.0	105	P/P	79 - 139
2395032	PBB-153	95.9	99.0	P/P	50 - 150
2395032	PBDE-47	106	114	P/P	27 - 144
2395032	PBDE-99	109	118	P/P	18 - 150
2395032	Pendimethalin	115	112	P/P	50 - 139
2395032	Pentabromotoluene	81.1	82.9	P/P	50 - 150
2395032	Phenytoin	39.3	47.4	P/P	10 - 146
2395032	Phorate	85.5	86.8	P/P	54 - 161
2395032	Prodiamine	55.2	55.2	P/P	30 - 161
2395032	Prometon	95.6	116	P/P	45 - 134
2395032	Prometryn	120	111	P/P	45 - 137
2395032	Pronamide	110	110	P/P	65 - 133
2395032	Propanil	121	124	P/P	49 - 142
2395032	Propargite	79.1	65.7	P/P	10 - 203
2395032	Propiconazole	115	99.0	P/P	38 - 146
2395032	Pyraflufen Ethyl	96.6	82.6	P/P	34 - 153
2395032	Pyridaben	112	143	P/P	12 - 192
2395032	Pyriproxyfen	100	92.9	P/P	33 - 180
2395032	Simazine	95.2	82.1	P/P	51 - 157
2395032	Stirophos	77.7	22.1	P/P	10 - 128
2395032	Sulfentrazone	107	105	P/P	53 - 186
2395032	Tebuconazole	66.1	64.8	P/P	10 - 133
2395032	Terbufos	101	98.9	P/P	65 - 139
2395032	Terbutylazine	102	103	P/P	66 - 117
2395032	Tetradecachloro-m-terphenyl	96.8	155	P/P	70 - 200
2395032	Thiobencarb	94.5	57.3	P/P	51 - 119
2395032	Tri-o-cresyl Phosphate	106	107	P/P	31 - 144
2395032	Triadimefon	102	93.6	P/P	48 - 119
2395032	Tris(1-chloro-2-propyl) phosphate (TCPP)	109	116	P/P	50 - 150
2395032	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	95.2	104	P/P	50 - 150
2395032	Tris(2-chloroethyl) phosphate (TCEP)	104	113	P/P	70 - 180

Reference Method: EPA 8321B

Batch ID: P427368

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395030	Acesulfame K	31.0	31.0	F/F	40 - 150
2395030	AMPA	64.6	65.7	P/P	40 - 150
2395030	Endothall	101	103	P/P	40 - 150
2395030	Glufosinate	59.1	60.4	P/P	40 - 150
2395030	Glyphosate	109	86.4	P/P	40 - 150
2395030	Sucralose	116	124	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P427453

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2394681	2,4-D	104	102	P/P	40 - 150
2394681	2,4,5-T	120	113	P/P	40 - 150
2394681	Acetaminophen	91.5	93.1	P/P	30 - 150
2394681	Acetamiprid	70.9	67.0	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P427453

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2394681	Afidopyropen	83.6	75.2	P/P	30 - 150
2394681	Bentazon	52.1	56.6	P/P	30 - 150
2394681	Benzovindiflupyr	82.4	79.9	P/P	40 - 150
2394681	Carbamazepine	64.5	60.8	P/P	40 - 150
2394681	Clothianidin	94.6	92.4	P/P	40 - 150
2394681	Dinotefuran	75.3	74.1	P/P	40 - 150
2394681	Diuron	49.0	50.6	P/P	40 - 150
2394681	Fenuron	57.3	57.7	P/P	40 - 150
2394681	Fluridone	61.1	60.5	P/P	40 - 150
2394681	Hydrocodone	77.6	89.5	P/P	40 - 150
2394681	Ibuprofen	62.3	75.6	P/P	40 - 150
2394681	Imazapyr	99.6	127	P/P	40 - 150
2394681	Imidacloprid	123	123	P/P	40 - 150
2394681	Linuron	47.5	50.5	P/P	40 - 150
2394681	Mandestrobin	78.1	81.1	P/P	40 - 150
2394681	MCCP	112	116	P/P	40 - 150
2394681	Naproxen	84.1	83.5	P/P	40 - 150
2394681	Primidone	88.8	85.0	P/P	40 - 150
2394681	Pyraclostrobin	73.8	71.1	P/P	40 - 150
2394681	Silvex	123	119	P/P	40 - 150
2394681	Thiamethoxam	94.4	93.4	P/P	40 - 150
2394681	Tolfenpyrad	52.5	51.0	P/P	30 - 150
2394681	Triclopyr	110	112	P/P	40 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P427560

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395045	Fluoride	104	103	P/P	94 - 104

Reference Method: SM 5310 B-2011

Batch ID: P427749

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395049	Organic Carbon	94.9	97.3	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P427411

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395010	Color (true)	3.25	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P427423

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394997	Turbidity	0.772	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P427491

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395064	Barium	0.266	Spike	P	0 - 20
2395064	Calcium	0.388	Spike	P	0 - 20
2395064	Iron	0.0746	Spike	P	0 - 20
2395064	Magnesium	0.266	Spike	P	0 - 20
2395064	Potassium	0.164	Spike	P	0 - 20
2395064	Sodium	0.649	Spike	P	0 - 20
2395064	Zinc	0.320	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P427491

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395064	Aluminum	0.568	Spike	P	0 - 20
2395064	Antimony	0.279	Spike	P	0 - 20
2395064	Arsenic	0.0733	Spike	P	0 - 20
2395064	Beryllium	1.03	Spike	P	0 - 20
2395064	Boron	1.74	Spike	P	0 - 20
2395064	Cadmium	0.310	Spike	P	0 - 20
2395064	Chromium	0.755	Spike	P	0 - 20
2395064	Cobalt	1.15	Spike	P	0 - 20
2395064	Copper	0.197	Spike	P	0 - 20
2395064	Lead	0.545	Spike	P	0 - 20
2395064	Manganese	0.522	Spike	P	0 - 20
2395064	Molybdenum	1.03	Spike	P	0 - 20
2395064	Nickel	1.60	Spike	P	0 - 20
2395064	Selenium	3.28	Spike	P	0 - 20
2395064	Silver	0.434	Spike	P	0 - 20
2395064	Thallium	1.12	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427855

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394997	Chloride	0.514	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P427571

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395011	Ammonia-N	0.843	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P427737

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394988	Kjeldahl Nitrogen	6.18	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P427547

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394993	NO2NO3-N	0.512	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P427532

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394810	Total-P	1.09	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P427426

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395023	O-Phosphate-P	0.276	Spike	P	0 - 20

Reference Method: EPA 8270E

Batch ID: P427449

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395032	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	4.95	Spike	P	0 - 37
2395032	Acetochlor	4.37	Spike	P	0 - 28
2395032	Alachlor	4.95	Spike	P	0 - 30
2395032	Ametryn	14.4	Spike	P	0 - 32
2395032	Atrazine	4.09	Spike	P	0 - 41
2395032	Atrazine Desethyl	18.4	Spike	P	0 - 36
2395032	Avobenzone	10.8	Spike	P	0 - 36
2395032	Azinphos Methyl	0.795	Spike	P	0 - 75
2395032	Azoxystrobin	8.21	Spike	P	0 - 39
2395032	Bromacil	1.64	Spike	P	0 - 33
2395032	Butylate	4.88	Spike	P	0 - 44
2395032	Caffeine	5.08	Spike	P	0 - 74
2395032	Carbophenothion	11.8	Spike	P	0 - 25
2395032	Carfentrazone Ethyl	3.99	Spike	P	0 - 27
2395032	Chlorfenapyr	1.86	Spike	P	0 - 24
2395032	Chlorpyrifos Ethyl	5.43	Spike	P	0 - 26

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P427449

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395032	Chlorpyrifos Methyl	2.29	Spike	P	0 - 26
2395032	Coumaphos	6.39	Spike	P	0 - 28
2395032	Cyanazine	11.8	Spike	P	0 - 48
2395032	Cyprodinil	17.8	Spike	P	0 - 29
2395032	Dechlorane 602	6.80	Spike	P	0 - 30
2395032	Dechlorane 603	10.4	Spike	P	0 - 30
2395032	Dechlorane Plus	44.6	Spike	F	0 - 30
2395032	Demeton	8.36	Spike	P	0 - 33
2395032	Diazinon	1.28	Spike	P	0 - 29
2395032	Difenoconazole	1.45	Spike	P	0 - 34
2395032	Dimethenamid	10.6	Spike	P	0 - 39
2395032	Dimethomorph	19.1	Spike	P	0 - 51
2395032	Disulfoton	10.0	Spike	P	0 - 30
2395032	Dithiopyr	6.32	Spike	P	0 - 26
2395032	EPTC	4.10	Spike	P	0 - 43
2395032	Ethion	2.74	Spike	P	0 - 79
2395032	Ethoprop	2.46	Spike	P	0 - 29
2395032	Etridiazole	4.64	Spike	P	0 - 33
2395032	Fenamiphos	5.49	Spike	P	0 - 40
2395032	Fenbuconazole	4.05	Spike	P	0 - 74
2395032	Fipronil	0.186	Spike	P	0 - 29
2395032	Fipronil Desulfinyf	7.38	Spike	P	0 - 32
2395032	Fipronil Sulfide	9.96	Spike	P	0 - 30
2395032	Fipronil Sulfone	13.5	Spike	P	0 - 33
2395032	Fluazifop-P-butyl	15.1	Spike	P	0 - 38
2395032	Fludioxonil	10.3	Spike	P	0 - 29
2395032	Flumioxazin	5.42	Spike	P	0 - 51
2395032	Flutolanil	19.5	Spike	P	0 - 25
2395032	Fluxapyroxad	7.46	Spike	P	0 - 45
2395032	Fonofos	0.628	Spike	P	0 - 27
2395032	Hexabromobenzene	5.45	Spike	P	0 - 30
2395032	Hexazinone	1.12	Spike	P	0 - 30
2395032	Imazalil	4.21	Spike	P	0 - 100
2395032	Iprodione	15.3	Spike	P	0 - 33
2395032	Loratadine	13.8	Spike	P	0 - 56
2395032	Malathion	82.2	Spike	F	0 - 37
2395032	Metalaxyl	2.20	Spike	P	0 - 40
2395032	Metolachlor	8.04	Spike	P	0 - 29
2395032	Metribuzin	1.83	Spike	P	0 - 45
2395032	Mevinphos	0.776	Spike	P	0 - 29
2395032	Molinate	2.54	Spike	P	0 - 33
2395032	Myclobutanil	3.68	Spike	P	0 - 26
2395032	Naled	10.2	Spike	P	0 - 37
2395032	Napropamide	16.0	Spike	P	0 - 44
2395032	Norflurazon	15.3	Spike	P	0 - 30
2395032	Octinoxate	1.91	Spike	P	0 - 45
2395032	Oxadiazon	2.19	Spike	P	0 - 28
2395032	Oxybenzone	6.63	Spike	P	0 - 46
2395032	Oxyfluorfen	2.89	Spike	P	0 - 28
2395032	Parathion Ethyl	10.3	Spike	P	0 - 31
2395032	Parathion Methyl	9.12	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P427449

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395032	PBB-153	3.12	Spike	P	0 - 30
2395032	PBDE-47	7.20	Spike	P	0 - 36
2395032	PBDE-99	7.49	Spike	P	0 - 40
2395032	Pendimethalin	2.48	Spike	P	0 - 33
2395032	Pentabromotoluene	2.25	Spike	P	0 - 30
2395032	Phenytoin	18.6	Spike	P	0 - 100
2395032	Phorate	1.45	Spike	P	0 - 36
2395032	Prodiamine	0.122	Spike	P	0 - 71
2395032	Prometon	19.0	Spike	P	0 - 36
2395032	Prometryn	7.69	Spike	P	0 - 28
2395032	Pronamide	0.542	Spike	P	0 - 24
2395032	Propanil	2.98	Spike	P	0 - 28
2395032	Propargite	18.4	Spike	P	0 - 43
2395032	Propiconazole	15.2	Spike	P	0 - 33
2395032	Pyraflufen Ethyl	15.7	Spike	P	0 - 29
2395032	Pyridaben	24.3	Spike	P	0 - 30
2395032	Pyriproxyfen	7.61	Spike	P	0 - 79
2395032	Simazine	14.8	Spike	P	0 - 29
2395032	Stiropfos	111	Spike	F	0 - 61
2395032	Sulfentrazone	1.20	Spike	P	0 - 33
2395032	Tebuconazole	1.98	Spike	P	0 - 69
2395032	Terbufos	2.05	Spike	P	0 - 29
2395032	Terbuthylazine	1.11	Spike	P	0 - 32
2395032	Tetradecachloro-m-terphenyl	46.4	Spike	F	0 - 30
2395032	Thiobencarb	49.0	Spike	F	0 - 26
2395032	Tri-o-cresyl Phosphate	0.546	Spike	P	0 - 33
2395032	Triadimefon	8.44	Spike	P	0 - 28
2395032	Tris(1-chloro-2-propyl) phosphate (TCPP)	6.16	Spike	P	0 - 30
2395032	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	8.81	Spike	P	0 - 30
2395032	Tris(2-chloroethyl) phosphate (TCEP)	8.95	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P427368

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395030	Acesulfame K	0.0400	Spike	P	0 - 30
2395030	AMPA	1.61	Spike	P	0 - 30
2395030	Endothall	2.08	Spike	P	0 - 30
2395030	Glufosinate	2.18	Spike	P	0 - 30
2395030	Glyphosate	22.8	Spike	P	0 - 30
2395030	Sucralose	7.03	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P427453

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394681	2,4-D	1.09	Spike	P	0 - 30
2394681	2,4,5-T	6.40	Spike	P	0 - 30
2394681	Acetaminophen	1.71	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B

Batch ID: P427453

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2394681	Acetamiprid	5.78	Spike	P	0 - 30
2394681	Afidopyropen	10.6	Spike	P	0 - 30
2394681	Bentazon	8.34	Spike	P	0 - 30
2394681	Benzovindiflupyr	3.01	Spike	P	0 - 30
2394681	Carbamazepine	5.91	Spike	P	0 - 30
2394681	Clothianidin	2.37	Spike	P	0 - 30
2394681	Dinotefuran	1.52	Spike	P	0 - 30
2394681	Diuron	3.08	Spike	P	0 - 30
2394681	Fenuron	0.713	Spike	P	0 - 30
2394681	Fluridone	0.924	Spike	P	0 - 30
2394681	Hydrocodone	14.2	Spike	P	0 - 30
2394681	Ibuprofen	19.3	Spike	P	0 - 30
2394681	Imazapyr	14.3	Spike	P	0 - 30
2394681	Imidacloprid	0.163	Spike	P	0 - 30
2394681	Linuron	6.11	Spike	P	0 - 30
2394681	Mandestrobin	3.70	Spike	P	0 - 30
2394681	MCPP	3.87	Spike	P	0 - 30
2394681	Naproxen	0.799	Spike	P	0 - 30
2394681	Primidone	4.36	Spike	P	0 - 30
2394681	Pyraclostrobin	3.77	Spike	P	0 - 30
2394681	Silvex	3.23	Spike	P	0 - 30
2394681	Thiamethoxam	1.01	Spike	P	0 - 30
2394681	Tolfenpyrad	2.79	Spike	P	0 - 30
2394681	Triclopyr	1.98	Spike	P	0 - 30

Reference Method: SM 2320 B-2011

Batch ID: P427558

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395045	Total Alkalinity	1.45	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015

Batch ID: P428162

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395010	TDS	5.68	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011

Batch ID: P427560

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395045	Fluoride	0.996	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011

Batch ID: P427749

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

Reference Method: SM 5310 B-2011
Batch ID: P427749

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395049	Organic Carbon	2.38	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2395030
Field Sample ID: G3SD0157

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	108	P	30 - 160
EPA 8321B	Acetaminophen-d4	100	P	30 - 160
EPA 8321B	Carbamazepine-d10	80.1	P	30 - 160
EPA 8321B	Diuron-d6	62.0	P	30 - 160
EPA 8321B	Endothall-d6	99.3	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	107	P	30 - 160
EPA 8321B	Ibuprofen-d3	74.5	P	30 - 160
EPA 8321B	Primidone-d5	98.2	P	30 - 160
EPA 8321B	Sucralose-d6	129	P	30 - 160

Lab Sample ID: 2395032
Field Sample ID: G3SD0157

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	72.1	P	20 - 200
EPA 8270E	Simazine-d10	102	P	62 - 142
EPA 8270E	Terbufos-d10	99.4	P	58 - 132
EPA 8270E	Terphenyl-d14	98.6	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A118108

Included Lab Sample IDs: 2395010

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	95.5	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A118110

Included Lab Sample IDs: 2395010

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	101	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A118111

Included Lab Sample IDs: 2395012

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.3	99.8	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A118146

Included Lab Sample IDs: 2395030

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	95.1	98.6	P/P	60 - 160
Endothall	102	105	P/P	60 - 160
Glufosinate	86.4	83.4	P/P	60 - 160
Glyphosate	100	90.6	P/P	60 - 160

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A118155

Included Lab Sample IDs: 2395011

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	98.0	97.0	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A118161

Included Lab Sample IDs: 2395010

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	93.2	94.5	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A118161

Included Lab Sample IDs: 2395010

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A118162

Included Lab Sample IDs: 2395011

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.6	99.4	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A118172

Included Lab Sample IDs: 2395031

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	101	100	P/P	90 - 110
Antimony	101	100	P/P	90 - 110
Arsenic	99.9	98.3	P/P	90 - 110
Beryllium	98.1	96.5	P/P	90 - 110
Boron	102	103	P/P	90 - 110
Cadmium	100	101	P/P	90 - 110
Chromium	99.3	98.9	P/P	90 - 110
Cobalt	98.2	97.0	P/P	90 - 110
Copper	97.8	96.2	P/P	90 - 110
Lead	94.2	93.9	P/P	90 - 110
Manganese	99.2	99.8	P/P	90 - 110
Molybdenum	99.4	98.2	P/P	90 - 110
Nickel	97.9	96.6	P/P	90 - 110
Selenium	100	99.2	P/P	90 - 110
Silver	98.4	98.5	P/P	90 - 110
Thallium	100	99.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118180

Included Lab Sample IDs: 2395011

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

Reference Method: EPA 8270E

Run ID: A118219

Included Lab Sample IDs: 2395032

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	86.3		P	80 - 120
Avobenzone	91.7		P	80 - 120
Dechlorane 602	85.3		P	80 - 120
Dechlorane 603	86.8		P	80 - 120
Dechlorane Plus	91.7		P	80 - 120
Hexabromobenzene	87.0		P	80 - 120
Octinoxate	82.0		P	80 - 120
Oxybenzone	94.0		P	80 - 120
PBB-153	88.7		P	80 - 120
PBDE-47	92.6		P	80 - 120
PBDE-99	99.7		P	80 - 120
Pentabromotoluene	82.1		P	80 - 120
Tetradecachloro-m-terphenyl	103		P	80 - 120
Tri-o-cresyl Phosphate	93.6		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	91.2		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A118219
Included Lab Sample IDs: 2395032

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	93.9		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	94.1		P	80 - 120

Reference Method: SM 5310 B-2011
Run ID: A118229
Included Lab Sample IDs: 2395011

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

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A118247
Included Lab Sample IDs: 2395010

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.0	99.3	P/P	90 - 110
Sulfate	95.7	97.0	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A118253
Included Lab Sample IDs: 2395030

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	99.1	98.3	P/P	60 - 160
Sucralose	101	124	P/P	60 - 160

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A118273
Included Lab Sample IDs: 2395011

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	91.3	98.6	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A118288
Included Lab Sample IDs: 2395032

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	105		P	80 - 120
Alachlor	105		P	80 - 120
Ametryn	107		P	80 - 120
Atrazine	106		P	80 - 120
Atrazine Desethyl	107		P	80 - 120
Azinphos Methyl	95.5		P	80 - 120
Azoxystrobin	101		P	80 - 120
Bromacil	108		P	80 - 120
Butylate	99.8		P	80 - 120
Caffeine	100		P	80 - 120
Carbophenothion	95.3		P	80 - 120
Carfentrazone Ethyl	109		P	80 - 120
Chlorfenapyr	102		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A118288
Included Lab Sample IDs: 2395032

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlorpyrifos Ethyl	97.4		P	80 - 120
Chlorpyrifos Methyl	95.8		P	80 - 120
Coumaphos	96.6		P	80 - 120
Cyanazine	92.8		P	80 - 120
Cyprodinil	103		P	80 - 120
Demeton	99.9		P	80 - 120
Diazinon	104		P	80 - 120
Difenoconazole	108		P	80 - 120
Dimethenamid	106		P	80 - 120
Dimethomorph	103		P	80 - 120
Disulfoton	100		P	80 - 120
Dithiopyr	110		P	80 - 120
EPTC	102		P	80 - 120
Ethion	98.0		P	80 - 120
Ethoprop	97.6		P	80 - 120
Etridiazole	104		P	80 - 120
Fenamiphos	98.3		P	80 - 120
Fenbuconazole	108		P	80 - 120
Fipronil	102		P	80 - 120
Fipronil Desulfinyl	103		P	80 - 120
Fipronil Sulfide	100		P	80 - 120
Fipronil Sulfone	96.3		P	80 - 120
Fluazifop-P-butyl	112		P	80 - 120
Fludioxonil	106		P	80 - 120
Flumioxazin	101		P	80 - 120
Flutolanil	104		P	80 - 120
Fluxapyroxad	102		P	80 - 120
Fonofos	102		P	80 - 120
Hexazinone	106		P	80 - 120
Imazalil	107		P	80 - 120
Iprodione	97.5		P	80 - 120
Loratadine	102		P	80 - 120
Malathion	94.5		P	80 - 120
Metaxyl	101		P	80 - 120
Metolachlor	106		P	80 - 120
Metribuzin	102		P	80 - 120
Mevinphos	97.7		P	80 - 120
Molinate	101		P	80 - 120
Myclobutanil	102		P	80 - 120
Naled	115		P	80 - 120
Napropamide	104		P	80 - 120
Norflurazon	97.6		P	80 - 120
Oxadiazon	106		P	80 - 120
Oxyfluorfen	102		P	80 - 120
Parathion Ethyl	99.4		P	80 - 120
Parathion Methyl	99.2		P	80 - 120
Pendimethalin	99.9		P	80 - 120
Phenytoin	101		P	80 - 120
Phorate	101		P	80 - 120
Prodiamine	108		P	80 - 120
Prometon	107		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A118288
Included Lab Sample IDs: 2395032

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Prometryn	106		P	80 - 120
Pronamide	109		P	80 - 120
Propanil	104		P	80 - 120
Propargite	101		P	80 - 120
Propiconazole	110		P	80 - 120
Pyraflufen Ethyl	96.4		P	80 - 120
Pyridaben	108		P	80 - 120
Pyriproxyfen	109		P	80 - 120
Simazine	102		P	80 - 120
Stiophos	94.5		P	80 - 120
Sulfentrazone	85.6		P	80 - 120
Tebuconazole	103		P	80 - 120
Terbufos	103		P	80 - 120
Terbutylazine	104		P	80 - 120
Thiobencarb	108		P	80 - 120
Triadimefon	101		P	80 - 120

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A118291
Included Lab Sample IDs: 2395031

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Barium	97.1	96.2	P/P	90 - 110
Calcium	98.2	98.0	P/P	90 - 110
Iron	101	101	P/P	90 - 110
Magnesium	99.7	100	P/P	90 - 110
Potassium	98.7	99.2	P/P	90 - 110
Sodium	95.0	93.3	P/P	90 - 110
Zinc	96.7	95.5	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A118309
Included Lab Sample IDs: 2395030

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	83.3	86.0	P/P	50 - 150
2,4,5-T	106	96.3	P/P	50 - 150
Acetaminophen	98.0	97.0	P/P	60 - 160
Acetamiprid	115	116	P/P	50 - 150
Afidopyropen	95.8	109	P/P	50 - 150
Bentazon	121	125	P/P	50 - 160
Benzovindiflupyr	111	107	P/P	50 - 150
Carbamazepine	123	116	P/P	60 - 150
Clothianidin	111	119	P/P	60 - 150
Dinotefuran	111	119	P/P	50 - 150
Diuron	122	123	P/P	60 - 160
Fenuron	112	120	P/P	60 - 150
Fluridone	107	105	P/P	60 - 160
Hydrocodone	142	136	P/P	60 - 150
Ibuprofen	117	114	P/P	50 - 160
Imazapyr	123	134	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A118309
Included Lab Sample IDs: 2395030

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Imidacloprid	100	104	P/P	60 - 150
Linuron	93.1	107	P/P	60 - 150
Mandestrobin	108	111	P/P	50 - 150
MCPPP	108	108	P/P	50 - 150
Naproxen	62.5	104	P/P	50 - 160
Primidone	99.0	106	P/P	60 - 150
Pyraclostrobin	107	105	P/P	60 - 150
Silvex	115	109	P/P	50 - 150
Thiamethoxam	128	129	P/P	50 - 150
Tolfenpyrad	99.7	98.2	P/P	60 - 150
Triclopyr	108	114	P/P	50 - 150

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery			LCS	Precision SMP	MS
DEP SOP: NU-094-1	Color (true)	96.3					3.25	
EPA 180.1 Rev. 2.0	Turbidity	101					0.772	
EPA 200.7 Rev. 4.4	Barium	98.8	95.8	95.5	94.8			0.266
	Calcium	101	96.8	97.1				0.388
	Iron	105	103	103	103			0.0746
	Magnesium	105	102	101	101			0.266
	Potassium	102	99.6	99.8	100			0.164
	Sodium	99.4	95.9	96.9	92.9			0.649
	Zinc	98.5	94.8	94.5	95.4			0.320
EPA 200.8 Rev. 5.4	Aluminum	103	101	99.9	101			0.568
	Antimony	104	105	105	105			0.279
	Arsenic	104	103	103	102			0.0733
	Beryllium	96.7	96.7	95.7	97.2			1.03
	Boron	102	101	102	105			1.74
	Cadmium	102	105	105	107			0.310
	Chromium	103	103	103	105			0.755
	Cobalt	105	104	103	102			1.15
	Copper	103	99.5	99.3	98.5			0.197
	Lead	97.1	95.9	96.4	96.5			0.545
	Manganese	102	103	102	104			0.522
	Molybdenum	102	104	105	103			1.03
	Nickel	105	104	102	101			1.60
	Selenium	102	99.2	103	101			3.28
	Silver	101	100	100	102			0.434
	Thallium	102	102	104	104			1.12
EPA 300.0 Rev. 2.1	Chloride	99.0	96.1	97.5			0.514	
	Sulfate	98.4	98.0	96.0				
EPA 350.1 Rev. 2.0	Ammonia-N	97.8	103	102				0.843
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104	91.6	98.8				6.18
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	98.0	98.0	97.5				0.512
EPA 365.1 Rev. 2.0	Total-P	99.1	102	103				1.09
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	101	99.0	99.3				0.276
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.8	85.8	90.2				4.95
	Acetochlor	87.5	107	103				4.37
	Alachlor	82.9	99.9	95.0				4.95
	Ametryn	125	129	104				14.4
	Atrazine	95.7						4.09
	Atrazine Desethyl	111	117	97.0				18.4
	Avobenzone	106	108	120				10.8
	Azinphos Methyl	96.1	119	120				0.795
	Azoxystrobin	78.7	104	114				8.21
	Bromacil	92.0						1.64
	Butylate	69.6	70.5	67.1				4.88
	Caffeine	109	117	111				5.08
	Carbophenothion	81.9	89.3	79.3				11.8
	Carfentrazone Ethyl	93.2	113	109				3.99
	Chlorfenapyr	78.2	80.9	82.4				1.86
	Chlorpyrifos Ethyl	108	96.0	101				5.43
	Chlorpyrifos Methyl	96.2	106	104				2.29
	Coumaphos	70.8	82.6	88.1				6.39
	Cyanazine	195	210	187				11.8
	Cyprodinil	93.9	113	94.2				17.8

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Dechlorane 602	86.7	72.8	78.0			6.80
	Dechlorane 603	93.6	81.0	89.9			10.4
	Dechlorane Plus	79.5	52.5	82.7			44.6
	Demeton	83.6	82.6	89.8			8.36
	Diazinon	102	116	114			1.28
	Difenoconazole	147	113	115			1.45
	Dimethenamid	77.2	105	94.6			10.6
	Dimethomorph	93.9	153	185			19.1
	Disulfoton	101	97.8	108			10.0
	Dithiopyr	78.0	105	98.2			6.32
	EPTC	59.9	65.0	62.3			4.10
	Ethion	32.9	65.4	67.2			2.74
	Ethoprop	94.7	89.2	91.4			2.46
	Etridiazole	67.1	73.6	70.3			4.64
	Fenamiphos	79.2	72.1	68.2			5.49
	Fenbuconazole	123	90.0	93.7			4.05
	Fipronil	93.9	111	111			0.186
	Fipronil Desulfinyl	71.8	100	92.9			7.38
	Fipronil Sulfide	83.7	92.3	83.5			9.96
	Fipronil Sulfone	74.8	81.6	71.3			13.5
	Fluazifop-P-butyl	97.5	115	98.6			15.1
	Fludioxonil	74.6	100	90.6			10.3
	Flumioxazin	53.7	104	110			5.42
	Flutolanil	92.9	108	89.0			19.5
	Fluxapyroxad	60.4	91.6	85.0			7.46
	Fonofos	101	95.2	95.8			0.628
	Hexabromobenzene	102	95.2	101			5.45
	Hexazinone	93.6	91.6	93.1			1.12
	Imazalil	87.7	77.9	81.3			4.21
	Iprodione	75.8	113	97.3			15.3
	Loratadine	92.3	144	165			13.8
	Malathion	85.8	90.0	37.6			82.2
	Metalaxyl	79.3					2.20
	Metolachlor	90.8					8.04
	Metribuzin	116	93.4	95.1			1.83
	Mevinphos	98.1	89.2	88.5			0.776
	Molinate	74.5	70.9	72.7			2.54
	Myclobutanil	88.4	104	100			3.68
	Naled	77.3	80.1	72.4			10.2
	Napropamide	60.8	96.8	82.4			16.0
	Norflurazon	61.0					15.3
	Octinoxate	109	81.8	83.4			1.91
	Oxadiazon	71.0	89.5	87.5			2.19
	Oxybenzone	113	104	111			6.63
	Oxyfluorfen	92.0	119	115			2.89
	Parathion Ethyl	107	91.3	101			10.3
	Parathion Methyl	102	96.0	105			9.12
	PBB-153	93.7	95.9	99.0			3.12
	PBDE-47	108	106	114			7.20
	PBDE-99	95.7	109	118			7.49
	Pendimethalin	107	115	112			2.48
	Pentabromotoluene	99.0	81.1	82.9			2.25
	Phenytol	15.6	39.3	47.4			18.6
	Phorate	84.6	85.5	86.8			1.45

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Prodiamine	42.0	55.2	55.2		0.122
	Prometon	88.7	95.6	116		19.0
	Prometryn	95.5	120	111		7.69
	Pronamide	103	110	110		0.542
	Propanil	102	121	124		2.98
	Propargite	42.2	79.1	65.7		18.4
	Propiconazole	66.7	115	99.0		15.2
	Pyraflufen Ethyl	58.7	96.6	82.6		15.7
	Pyridaben	109	112	143		24.3
	Pyriproxyfen	159	100	92.9		7.61
	Simazine	92.4	95.2	82.1		14.8
	Stirophos	46.9	77.7	22.1		111
	Sulfentrazone	65.6	107	105		1.20
	Tebuconazole	38.1	66.1	64.8		1.98
	Terbufos	103	101	98.9		2.05
	Terbutylazine	93.3	102	103		1.11
	Tetradecachloro-m-terphenyl	107	96.8	155		46.4
	Thiobencarb	81.1	94.5	57.3		49.0
	Tri-o-cresyl Phosphate	116	106	107		0.546
	Triadimefon	84.1	102	93.6		8.44
	Tris(1-chloro-2-propyl) phosphate (TCPP)	118	109	116		6.16
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	102	95.2	104		8.81
	Tris(2-chloroethyl) phosphate (TCEP)	121	104	113		8.95
EPA 8321B	2,4-D	97.1	102	104		1.09
	2,4,5-T	101	113	120		6.40
	Acesulfame K	97.8	31.0	31.0		0.0400
	Acetaminophen	83.3	91.5	93.1		1.71
	Acetamiprid	86.4	67.0	70.9		5.78
	Afidopyropen	67.7	75.2	83.6		10.6
	AMPA	104	64.6	65.7		1.61
	Bentazon	89.4	56.6	52.1		8.34
	Benzovindiflupyr	85.4	79.9	82.4		3.01
	Carbamazepine	86.4	60.8	64.5		5.91
	Clothianidin	95.5	92.4	94.6		2.37
	Dinotefuran	98.0	75.3	74.1		1.52
	Diuron	83.7	50.6	49.0		3.08
	Endothall	101	101	103		2.08
	Fenuron	92.2	57.7	57.3		0.713
	Fluridone	80.2	60.5	61.1		0.924
	Glufosinate	99.5	59.1	60.4		2.18
	Glyphosate	105	109	86.4		22.8
	Hydrocodone	98.8	77.6	89.5		14.2
	Ibuprofen	84.0	75.6	62.3		19.3
	Imazapyr	97.2	127	99.6		14.3
	Imidacloprid	89.7	123	123		0.163
	Linuron	78.7	50.5	47.5		6.11
	Mandestrobin	82.4	81.1	78.1		3.70
	MCPP	91.9	116	112		3.87
	Naproxen	114	83.5	84.1		0.799
	Primidone	92.7	88.8	85.0		4.36
	Pyraclostrobin	71.2	71.1	73.8		3.77

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
					LCS	
EPA 8321B	Silvex	99.2	119	123		3.23
	Sucralose	112	116	124		7.03
	Thiamethoxam	96.1	93.4	94.4		1.01
	Tolfenpyrad	47.4	51.0	52.5		2.79
	Triclopyr	95.6	112	110		1.98
SM 2320 B-2011	Total Alkalinity	94.8			1.45	
SM 2540 C-2015	TDS	98.6			5.68	
SM 2540 D-2015	TSS	95.9				
SM 4500-F- C-2011	Fluoride	103	104	103		0.996
SM 5310 B-2011	Organic Carbon	96.8	94.9	97.3		2.38

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2395010
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2395010
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2395031
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2395031
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2395010
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2395010
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2395011
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2395011
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2395011
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2395011
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2395012
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2395032
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2395032
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2395030
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2395010
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2395010
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2395010
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2395010
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2395011

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	03/21/2023			03/21/2023 13:54	Alexis Price	2395010
EPA 180.1 Rev. 2.0	03/21/2023			03/21/2023 13:29	Chandler E Cox	2395010
EPA 200.7 Rev. 4.4	03/21/2023	03/22/2023 12:15	George D Taylor	03/29/2023 17:15	McKinley C Carter	2395031
EPA 200.8 Rev. 5.4	03/21/2023	03/22/2023 12:15	George D Taylor	03/23/2023 16:29	Emily M Philpot	2395031
EPA 300.0 Rev. 2.1	03/21/2023			03/29/2023 16:12	Anna M. Plaviak	2395010
	03/21/2023			03/31/2023 12:50	James L Waggeberby	2395010
EPA 350.1 Rev. 2.0	03/21/2023			03/23/2023 12:30	Khloe J Berg	2395011
EPA 351.2 Rev. 2.0	03/21/2023	03/28/2023 16:17	Simonne.V. Calhoun	03/29/2023 14:25	Judith K. Clark	2395011
EPA 353.2 Rev. 2.0	03/21/2023			03/23/2023 09:12	Beverly Y. Sanders	2395011
EPA 365.1 Rev. 2.0	03/21/2023	03/23/2023 14:00	Adam P Silver	03/24/2023 10:07	James L Waggeberby	2395011
EPA 365.1 Rev. 2.0 dissolved	03/21/2023			03/21/2023 15:56	Elise M. Gillis	2395012
EPA 8270E	03/21/2023	03/24/2023 08:00	Fe-Val Siddell	03/27/2023 17:27	Arthur Maknenko	2395032
	03/21/2023	03/24/2023 08:00	Fe-Val Siddell	03/29/2023 16:05	Michael Poppell	2395032
	03/21/2023	03/24/2023 08:00	Fe-Val Siddell	03/29/2023 17:24	Michael Poppell	2395032
EPA 8321B	03/21/2023	03/22/2023 14:00	Manjita Shrestha	03/22/2023 18:28	Manjita Shrestha	2395030
	03/21/2023	03/22/2023 14:00	Manjita Shrestha	03/24/2023 14:39	Manjita Shrestha	2395030
	03/21/2023	03/23/2023 09:00	Hoor Shaik	03/30/2023 09:14	Juyoung Kim	2395030
SM 2320 B-2011	03/21/2023			03/22/2023 22:05	Dale L. Simmons	2395010
SM 2540 C-2015	03/21/2023			03/24/2023 15:34	Yijie Li	2395010
SM 2540 D-2015	03/21/2023			03/24/2023 15:34	Yijie Li	2395010
SM 4500-F- C-2011	03/21/2023			03/22/2023 22:05	Dale L. Simmons	2395010
SM 5310 B-2011	03/21/2023			03/27/2023 21:55	Elise M. Gillis	2395011