

Chemical Analysis Report

NE-DIST-2023-10-03-01

Florida DEP Laboratory
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DOH Accreditation E31780

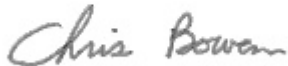
Event Description: **LSJR South West 2023**
Request ID: **RQ-2023-10-09-42**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
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8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 25-OCT-2023 11:05



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: BLACK CR SOUTH FORK AT CR218

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

Field ID: 20030244

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442189	DEP SOP: NU-094-1	Color (true)	150		PCU	P435889	
	EPA 180.1 Rev. 2.0	Turbidity	2.3		NTU	P435886	
	EPA 300.0 Rev. 2.1	Chloride	9.3		mg Cl/L	P436167	
		Sulfate	3.3		mg SO4/L	P436170	
	SM 2320 B-2011	Total Alkalinity	6.4		mg CaCO3/L	P436022	
	SM 2540 C-2015	TDS	66		mg/L	P436426	
	SM 2540 D-2015	TSS	3	I	mg/L	P436385	
2442190	SM 4500-F- C-2011	Fluoride	0.069	I	mg F/L	P436025	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.014		mg N/L	P436056	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.43		mg N/L	P436153	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.026		mg N/L	P436311	
	EPA 365.1 Rev. 2.0	Total-P	0.12		mg P/L	P435989	
2442200	SM 5310 B-2011	Organic Carbon	14		mg C/L	P436003	
	EPA 8321B	2,4-D	0.0020	U	ug/L	P435876	
		Acesulfame K	0.10	U	ug/L	P435922	
		2,4,5-T	0.0040	U	ug/L	P435876	
		AMPA	0.10	U	ug/L	P435922	
		Acetaminophen	0.0080	U	ug/L	P435876	
		Acetamiprid	0.0020	U	ug/L	P435876	
		Endothall	0.25	U	ug/L	P435922	
		Glufosinate	0.10	U	ug/L	P435922	
		Glyphosate	0.10	U	ug/L	P435922	
		Afidopyropen	0.0020	U	ug/L	P435876	
		Bentazon	8.0E-04	U	ug/L	P435876	
		Sucralose	0.26		ug/L	P435922	
		Benzovindiflupyr	0.0020	U	ug/L	P435876	
		Carbamazepine	8.0E-04	U	ug/L	P435876	
		Clothianidin	0.0020	U	ug/L	P435876	
		Dinotefuran	0.0020	U	ug/L	P435876	
		Diuron	0.0020	U	ug/L	P435876	
		Fenuron	0.032	U	ug/L	P435876	
		Fluridone	8.0E-04	U	ug/L	P435876	
		Imazapyr	0.018		ug/L	P435876	
		Hydrocodone	0.0020	U	ug/L	P435876	
		Ibuprofen	0.080	U	ug/L	P435876	
		Imidacloprid	0.0020	U	ug/L	P435876	
		Linuron	0.0040	U	ug/L	P435876	
		Mandestrobin	0.0020	U	ug/L	P435876	
		MCPP	0.0020	U	ug/L	P435876	
		Naproxen	0.0080	U	ug/L	P435876	
		Primidone	0.0040	U	ug/L	P435876	
		Pyraclostrobin	0.0020	U	ug/L	P435876	
		Silvex	0.0040	U	ug/L	P435876	
		Thiamethoxam	0.0020	U	ug/L	P435876	

RPD

Field ID: 20030244

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442200	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P435876	
		Triclopyr	0.0040	U	ug/L	P435876	

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: FB

Collection Date/Time: 10/02/2023 10:50

Field ID: FB_10022023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442191	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P435889	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P435886	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P436650	
		Sulfate	0.20	U	mg SO4/L	P436170	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P436023	
	SM 2540 C-2015	TDS	15	U	mg/L	P436426	
	SM 2540 D-2015	TSS	2	U	mg/L	P436385	
2442192	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P436026	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P436056	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P436504	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P436311	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P436350	
2442202	SM 5310 B-2011	Organic Carbon	1.3		mg C/L	P436181	
	EPA 8321B	2,4-D	0.0020	U	ug/L	P435876	
		Acesulfame K	0.10	U	ug/L	P435922	
		2,4,5-T	0.0040	U	ug/L	P435876	
		AMPA	0.10	U	ug/L	P435922	
		Acetaminophen	0.0080	U	ug/L	P435876	
		Acetamiprid	0.0020	U	ug/L	P435876	
		Endothall	0.25	U	ug/L	P435922	
		Glufosinate	0.10	U	ug/L	P435922	
		Glyphosate	0.10	U	ug/L	P435922	
		Afidopyropen	0.0020	U	ug/L	P435876	
		Bentazon	8.0E-04	U	ug/L	P435876	
		Sucralose	0.010	U	ug/L	P435922	
		Benzovindiflupyr	0.0020	U	ug/L	P435876	
		Carbamazepine	8.0E-04	U	ug/L	P435876	
		Clothianidin	0.0020	U	ug/L	P435876	
		Dinotefuran	0.0020	U	ug/L	P435876	
		Diuron	0.0020	U	ug/L	P435876	
		Fenuron	0.032	U	ug/L	P435876	
		Fluridone	8.0E-04	U	ug/L	P435876	
		Imazapyr	0.0040	U	ug/L	P435876	
		Hydrocodone	0.0020	U	ug/L	P435876	
		Ibuprofen	0.080	U	ug/L	P435876	
		Imidacloprid	0.0020	U	ug/L	P435876	
		Linuron	0.0040	U	ug/L	P435876	
		Mandestrobin	0.0020	U	ug/L	P435876	
		MCPP	0.0020	U	ug/L	P435876	
		Naproxen	0.0080	U	ug/L	P435876	
		Primidone	0.0040	U	ug/L	P435876	
		Pyraclostrobin	0.0020	U	ug/L	P435876	
		Silvex	0.0040	U	ug/L	P435876	
		Thiamethoxam	0.0020	U	ug/L	P435876	

RPD

Field ID: FB_10022023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442202	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P435876	
		Triclopyr	0.0040	U	ug/L	P435876	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 5310 B-2011: The result was confirmed on 10/06/2023.

Sample Location: LITTLE BLACK CREEK AT SR 220

Collection Date/Time: 10/02/2023 12:15

Field ID: 20030667

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442199	EPA 8270E	Aldrin	0.67	U	ng/L	P435920	
		Alpha-BHC	0.10	U	ng/L	P435920	
		Alpha-Chlordane	0.20	U	ng/L	P435920	
		PCB-1016	2.0	U	ng/L	P435920	
		Beta-BHC	0.10	U	ng/L	P435920	
		PCB-1221	2.0	U	ng/L	P435920	
		Beta-Cyfluthrin	1.3	U	ng/L	P435920	
		PCB-1232	2.0	U	ng/L	P435920	
		Bifenthrin	0.51	U	ng/L	P435920	
		PCB-1242	2.0	U	ng/L	P435920	
		PCB-1248	2.0	U	ng/L	P435920	
		Chlorothalonil	3.7	U	ng/L	P435920	
		PCB-1254	2.0	U	ng/L	P435920	
		Cis-Nonachlor	0.20	U	ng/L	P435920	
		PCB-1260	2.0	U	ng/L	P435920	
		Cypermethrin	1.5	U	ng/L	P435920	
		Dacthal	0.15	U	ng/L	P435920	
		DDD-p,p'	0.26	U	ng/L	P435920	
		DDE-p,p'	0.20	U	ng/L	P435920	
		DDT-p,p'	0.82	U	ng/L	P435920	
		Delta-BHC	0.59	I	ng/L	P435920	
		Deltamethrin	1.3	U	ng/L	P435920	
		Dichlobenil	0.26	U	ng/L	P435920	
		Dicofol	1.3	U	ng/L	P435920	
		Dieldrin	0.41	U	ng/L	P435920	
		Endosulfan I	0.41	U	ng/L	P435920	
		Endosulfan II	0.92	U	ng/L	P435920	
		Endosulfan Sulfate	0.31	U	ng/L	P435920	
		Endrin	0.92	U	ng/L	P435920	
		Endrin Aldehyde	0.77	U	ng/L	P435920	
		Endrin Ketone	0.41	U	ng/L	P435920	
		Esfenvalerate	0.77	U	ng/L	P435920	
		Ethalfuralin	0.15	U	ng/L	P435920	
		Fenpropathrin	0.26	U	ng/L	P435920	
		Gamma-BHC	0.13	U	ng/L	P435920	
		Gamma-Chlordane	0.20	U	ng/L	P435920	
		Heptachlor	0.20	U	ng/L	P435920	
		Heptachlor Epoxide	0.26	U	ng/L	P435920	
		Hexachlorobenzene**	1.0	U	ng/L	P435920	
		Kepone	14	U	ng/L	P435920	
		Lambda-Cyhalothrin	0.77	U	ng/L	P435920	
		Methoprene	0.77	U	ng/L	P435920	
		Methoxychlor	0.31	U	ng/L	P435920	
		MGK-264	0.20	U	ng/L	P435920	

Field ID: 20030667

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442199	EPA 8270E	Mirex	0.36	U	ng/L	P435920	
		Oxychlordane	0.31	U	ng/L	P435920	
		Permethrin	1.6	U	ng/L	P435920	
		Phenothrin	0.92	U	ng/L	P435920	
		Piperonyl Butoxide	0.15	U	ng/L	P435920	
		Prallethrin	2.0	U	ng/L	P435920	
		Tau-Fluvalinate	0.26	U	ng/L	P435920	
		Tetramethrin	0.77	U	ng/L	P435920	
		Trans-Nonachlor	0.20	U	ng/L	P435920	
		Triclosan Methyl	0.15	U	ng/L	P435920	
		Trifluralin	0.20	U	ng/L	P435920	
	EPA 8276	Chlordane	2.0	U	ng/L	P435920	
		Toxaphene	15	U	ng/L	P435920	

**Sample Location: SWIMMING PEN CREEK AT EAGLES CREEK
DR**

Collection Date/Time: 10/02/2023 12:40

Field ID: G2NE1188

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442201	EPA 8321B	2,4-D	0.097		ug/L	P435876	
		Acesulfame K	0.10	U	ug/L	P435922	
		2,4,5-T	0.0040	U	ug/L	P435876	
		AMPA	0.30	I	ug/L	P435922	
		Acetaminophen	0.0080	U	ug/L	P435876	
		Acetamiprid	0.0020	U	ug/L	P435876	
		Endothall	0.25	U	ug/L	P435922	
		Glufosinate	0.10	U	ug/L	P435922	
		Glyphosate	0.10	U	ug/L	P435922	
		Afidopyropen	0.0020	U	ug/L	P435876	
		Bentazon	0.027		ug/L	P435876	
		Sucralose	8.1		ug/L	P435922	
		Benzovindiflupyr	0.0020	U	ug/L	P435876	
		Carbamazepine	9.6E-04	I	ug/L	P435876	
		Clothianidin	0.018		ug/L	P435876	
		Dinotefuran	0.0020	U	ug/L	P435876	
		Diuron	0.0033	I	ug/L	P435876	RPD
		Fenuron	0.032	U	ug/L	P435876	
		Fluridone	0.0030	I	ug/L	P435876	
		Imazapyr	0.49		ug/L	P435876	
		Hydrocodone	0.0020	U	ug/L	P435876	
		Ibuprofen	0.080	U	ug/L	P435876	
		Imidacloprid	0.0058	I	ug/L	P435876	
		Linuron	0.0040	U	ug/L	P435876	
		Mandestrobin	0.0020	U	ug/L	P435876	
		MCPP	0.073		ug/L	P435876	
		Naproxen	0.0080	U	ug/L	P435876	
		Primidone	0.010	I	ug/L	P435876	
		Pyraclostrobin	0.0020	U	ug/L	P435876	
		Silvex	0.0040	U	ug/L	P435876	
		Thiamethoxam	0.0020	U	ug/L	P435876	
		Tolfenpyrad	0.0020	U	ug/L	P435876	
		Triclopyr	0.0040	U	ug/L	P435876	

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P435889

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P435886

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436167

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436170

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436650

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436056

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436153

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436504

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436311

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P435989

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436350

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

Reference Method: EPA 8270E
Batch ID: P435920

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.80	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P435920

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

Reference Method: EPA 8276

Batch ID: P435920

Component	Result	Code	Units
Chlordane	2.0	U	ng/L
Toxaphene	15	U	ng/L

Reference Method: EPA 8321B

Batch ID: P435876

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P435876

Component	Result	Code	Units
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B
Batch ID: P435922

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: SM 2320 B-2011
Batch ID: P436022

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

Reference Method: SM 2320 B-2011
Batch ID: P436023

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

Reference Method: SM 2540 C-2015
Batch ID: P436426

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P436385

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P436025

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 4500-F- C-2011
Batch ID: P436026

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 5310 B-2011
Batch ID: P436003

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

Reference Method: SM 5310 B-2011
Batch ID: P436181

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: P435889

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.9		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P435886

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436167

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436170

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436650

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436056

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: P436153

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436504

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436311

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	99.0		P	90 - 110

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P435989

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436350

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

Reference Method: EPA 8270E
Batch ID: P435920

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	50.4		P	24 - 81.0
Alpha-BHC	86.0		P	65 - 110
Alpha-Chlordane	92.1		P	43 - 119
Beta-BHC	109		P	54 - 165
Beta-Cyfluthrin	70.0		P	27 - 165
Bifenthrin	49.5		P	17 - 117
Chlorothalonil	124		P	10 - 255
Cis-Nonachlor	84.7		P	34 - 98.0
Cypermethrin	47.4		P	25 - 143
Dacthal	86.6		P	55 - 139
DDD-p,p'	59.0		P	30 - 109
DDE-p,p'	51.5		P	35 - 106
DDT-p,p'	63.3		P	41 - 101
Delta-BHC	142		P	58 - 165
Deltamethrin	81.7		P	10 - 194
Dichlobenil	78.7		P	22 - 114
Dicofol	77.0		P	17 - 133
Dieldrin	59.5		P	45 - 129
Endosulfan I	66.7		P	49 - 104
Endosulfan II	68.6		P	37 - 117
Endosulfan Sulfate	93.4		P	38 - 128
Endrin	55.5		P	35 - 116
Endrin Aldehyde	82.4		P	19 - 108
Endrin Ketone	91.6		P	44 - 134
Esfenvalerate	80.6		P	27 - 176
Ethalfuralin	76.2		P	49 - 100
Fenpropathrin	60.6		P	34 - 117
Gamma-BHC	109		P	59 - 129
Gamma-Chlordane	99.4		P	33 - 107
Heptachlor	57.3		P	37 - 94.0
Heptachlor Epoxide	75.7		P	38 - 118
Hexachlorobenzene	64.6		P	35 - 97.0
Kepone	88.8		P	10 - 221
Lambda-Cyhalothrin	37.2		P	23 - 190
Methoprene	45.0		P	21 - 109
Methoxychlor	78.7		P	46 - 118
MGK-264	99.0		P	39 - 122
Mirex	50.4		P	25 - 90.0
Oxychlordane	64.7		P	42 - 100
PCB-1016	69.2		P	45 - 107

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P435920

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PCB-1260	76.3		P	40 - 118
Permethrin	62.9		P	33 - 181
Phenothrin	53.3		P	12 - 125
Piperonyl Butoxide	91.1		P	10 - 178
Prallethrin	63.1		P	24 - 122
Tau-Fluvalinate	67.6		P	13 - 151
Tetramethrin	72.4		P	16 - 172
Trans-Nonachlor	64.1		P	39 - 100
Triclosan Methyl	67.1		P	43 - 110
Trifluralin	63.5		P	45 - 94.0

Reference Method: EPA 8276

Batch ID: P435920

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	90.2		P	52 - 117
Toxaphene	85.9		P	44 - 125

Reference Method: EPA 8321B

Batch ID: P435876

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	113		P	40 - 150
2,4,5-T	110		P	40 - 150
Acetaminophen	74.8		P	30 - 150
Acetamiprid	85.7		P	40 - 150
Afidopyropen	72.0		P	30 - 150
Bentazon	68.5		P	30 - 150
Benzovindiflupyr	104		P	40 - 150
Carbamazepine	74.1		P	40 - 150
Clothianidin	89.8		P	40 - 150
Dinotefuran	93.8		P	40 - 150
Diuron	60.3		P	40 - 150
Fenuron	87.5		P	40 - 150
Fluridone	79.8		P	40 - 150
Hydrocodone	79.6		P	40 - 150
Ibuprofen	75.8		P	40 - 150
Imazapyr	75.8		P	40 - 150
Imidacloprid	93.9		P	40 - 150
Linuron	63.5		P	40 - 150
Mandestrobin	92.2		P	40 - 150
MCPP	114		P	40 - 150
Naproxen	65.1		P	40 - 150
Primidone	85.6		P	40 - 150
Pyraclostrobin	79.3		P	40 - 150
Silvex	80.3		P	40 - 150
Thiamethoxam	91.2		P	40 - 150
Tolfenpyrad	45.2		P	30 - 150
Triclopyr	102		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P435922

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	85.1		P	40 - 150
AMPA	101		P	40 - 150
Endothall	87.7		P	40 - 150
Glufosinate	82.5		P	40 - 150
Glyphosate	92.4		P	40 - 150
Sucralose	120		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P436022

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.0		P	92 - 105

Reference Method: SM 2320 B-2011
Batch ID: P436023

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.9		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P436426

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	98.4		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P436385

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	106		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P436025

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.4		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P436026

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	101		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P436003

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P436181

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.9		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436167

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441657	Chloride	105		P	90 - 110
2442001	Chloride	106		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436170

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441657	Sulfate	99.3		P	90 - 110
2442001	Sulfate	104		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436650

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2443726	Chloride	102		P	90 - 110
2443854	Chloride	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436056

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442070	Ammonia-N	99.8	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436153

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442070	Kjeldahl Nitrogen	94.6	95.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436504

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2444197	Kjeldahl Nitrogen	95.7	95.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436311

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441960	NO2NO3-N	98.0	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P435989

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441970	Total-P	106	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436350

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442273	Total-P	103	104	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P435920

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442830	Aldrin	44.1	44.9	P/P	24 - 81.0
2442830	Alpha-BHC	85.7	73.0	P/P	65 - 110
2442830	Alpha-Chlordane	107	86.2	P/P	43 - 119
2442830	Beta-BHC	124	115	P/P	54 - 165
2442830	Beta-Cyfluthrin	69.6	67.8	P/P	27 - 165
2442830	Bifenthrin	43.4	42.7	P/P	17 - 117
2442830	Chlorothalonil	130	105	P/P	10 - 255
2442830	Cis-Nonachlor	90.2	75.4	P/P	34 - 98.0
2442830	Cypermethrin	47.6	44.8	P/P	25 - 143
2442830	Dacthal	93.1	78.5	P/P	55 - 139
2442830	DDD-p,p'	63.2	55.2	P/P	30 - 109
2442830	DDE-p,p'	61.3	50.3	P/P	35 - 106
2442830	DDT-p,p'	69.5	59.5	P/P	41 - 101
2442830	Delta-BHC	154	153	P/P	58 - 165
2442830	Deltamethrin	91.9	88.3	P/P	10 - 194
2442830	Dichlobenil	87.6	66.7	P/P	22 - 114
2442830	Dicofol	80.8	76.5	P/P	17 - 133
2442830	Dieldrin	62.9	55.9	P/P	45 - 129
2442830	Endosulfan I	69.3	59.3	P/P	49 - 104
2442830	Endosulfan II	79.2	76.5	P/P	37 - 117
2442830	Endosulfan Sulfate	103	82.9	P/P	38 - 128
2442830	Endrin	69.6	56.7	P/P	35 - 116
2442830	Endrin Aldehyde	86.8	71.1	P/P	19 - 108
2442830	Endrin Ketone	102	88.3	P/P	44 - 134
2442830	Esfenvalerate	81.4	79.3	P/P	27 - 176
2442830	Ethalfuralin	57.2	54.1	P/P	49 - 100
2442830	Fenpropathrin	66.8	54.9	P/P	34 - 117
2442830	Gamma-BHC	97.0	100	P/P	59 - 129
2442830	Gamma-Chlordane	99.0	94.3	P/P	33 - 107
2442830	Heptachlor	48.4	50.0	P/P	37 - 94.0
2442830	Heptachlor Epoxide	74.7	70.6	P/P	38 - 118
2442830	Hexachlorobenzene	70.8	60.9	P/P	35 - 97.0
2442830	Kepone	101	98.5	P/P	10 - 221
2442830	Lambda-Cyhalothrin	33.7	37.1	P/P	23 - 190
2442830	Methoprene	38.9	35.4	P/P	21 - 109
2442830	Methoxychlor	88.5	75.8	P/P	46 - 118
2442830	MGK-264	101	98.4	P/P	39 - 122
2442830	Mirex	52.5	55.7	P/P	25 - 90.0
2442830	Oxychlordane	63.2	51.5	P/P	42 - 100
2442830	Permethrin	63.6	57.9	P/P	33 - 181
2442830	Phenothrin	49.3	49.6	P/P	12 - 125
2442830	Piperonyl Butoxide	99.2	76.2	P/P	10 - 178
2442830	Prallethrin	66.2	72.1	P/P	24 - 122
2442830	Tau-Fluvalinate	72.7	69.4	P/P	13 - 151
2442830	Tetramethrin	71.7	69.4	P/P	16 - 172
2442830	Trans-Nonachlor	66.0	65.0	P/P	39 - 100
2442830	Triclosan Methyl	70.9	57.6	P/P	43 - 110
2442830	Trifluralin	62.4	50.4	P/P	45 - 94.0
2443209	PCB-1016	71.0	74.9	P/P	45 - 107
2443209	PCB-1260	71.2	72.2	P/P	40 - 112

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8276

Batch ID: P435920

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2443209	Chlordane	73.9	81.0	P/P	43 - 123
2443209	Toxaphene	71.7	85.1	P/P	27 - 156

Reference Method: EPA 8321B

Batch ID: P435876

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441109	2,4-D	132	136	P/P	40 - 150
2441109	2,4,5-T	131	109	P/P	40 - 150
2441109	Acetaminophen	88.0	88.8	P/P	30 - 150
2441109	Acetamiprid	75.7	74.3	P/P	40 - 150
2441109	Afidopyropen	58.2	44.2	P/P	30 - 150
2441109	Bentazon	70.7	67.6	P/P	30 - 150
2441109	Benzovindiflupyr	113	102	P/P	40 - 150
2441109	Carbamazepine	69.8	72.0	P/P	40 - 150
2441109	Clothianidin	106	95.6	P/P	40 - 150
2441109	Dinotefuran	108	111	P/P	40 - 150
2441109	Diuron	42.6	61.3	P/P	40 - 150
2441109	Fenuron	73.2	73.3	P/P	40 - 150
2441109	Fluridone	68.6	63.2	P/P	40 - 150
2441109	Hydrocodone	80.0	81.1	P/P	40 - 150
2441109	Ibuprofen	63.8	53.8	P/P	40 - 150
2441109	Imazapyr	91.3	86.7	P/P	40 - 150
2441109	Imidacloprid	144	142	P/P	40 - 150
2441109	Linuron	58.9	56.9	P/P	40 - 150
2441109	Mandestrobin	79.9	81.0	P/P	40 - 150
2441109	MCPP	104	118	P/P	40 - 150
2441109	Naproxen	79.9	97.6	P/P	40 - 150
2441109	Primidone	92.5	92.0	P/P	40 - 150
2441109	Pyraclostrobin	66.6	84.4	P/P	40 - 150
2441109	Silvex	59.6	69.9	P/P	40 - 150
2441109	Thiamethoxam	109	109	P/P	40 - 150
2441109	Tolfenpyrad	39.7	49.0	P/P	30 - 150
2441109	Triclopyr	103	108	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P435922

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441886	Acesulfame K	91.6	97.0	P/P	40 - 150
2441886	AMPA	77.9	80.9	P/P	40 - 150
2441886	Endothall	88.1	85.3	P/P	40 - 150
2441886	Glufosinate	100	99.7	P/P	40 - 150
2441886	Glyphosate	101	103	P/P	40 - 150
2441886	Sucralose	104	119	P/P	40 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P436025

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442069	Fluoride	101	102	P/P	94 - 106

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P436026

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442288	Fluoride	101	101	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P436003

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2441891	Organic Carbon	93.6	96.7	P/P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P436181

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442901	Organic Carbon	98.5		P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P435889

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442069	Color (true)	3.35	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P435886

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442150	Turbidity	4.28	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436167

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441657	Chloride	2.31	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436170

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441657	Sulfate	2.90	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436650

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2443726	Chloride	1.17	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436056

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442070	Ammonia-N	1.13	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436153

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442070	Kjeldahl Nitrogen	0.847	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436504

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2444197	Kjeldahl Nitrogen	0.0768	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436311

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441960	NO2NO3-N	1.97	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P435989

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441970	Total-P	2.06	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436350

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442273	Total-P	0.141	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P435920

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442830	Aldrin	1.80	Spike	P	0 - 41
2442830	Alpha-BHC	14.4	Spike	P	0 - 25
2442830	Alpha-Chlordane	21.8	Spike	P	0 - 32
2442830	Beta-BHC	7.46	Spike	P	0 - 33
2442830	Beta-Cyfluthrin	2.61	Spike	P	0 - 43
2442830	Bifenthrin	1.67	Spike	P	0 - 52
2442830	Chlorothalonil	21.3	Spike	P	0 - 82
2442830	Cis-Nonachlor	17.9	Spike	P	0 - 33
2442830	Cypermethrin	5.89	Spike	P	0 - 51
2442830	Dacthal	16.1	Spike	P	0 - 27
2442830	DDD-p,p'	13.6	Spike	P	0 - 39
2442830	DDE-p,p'	19.8	Spike	P	0 - 31
2442830	DDT-p,p'	15.5	Spike	P	0 - 29
2442830	Delta-BHC	0.730	Spike	P	0 - 35
2442830	Deltamethrin	4.09	Spike	P	0 - 100
2442830	Dichlobenil	27.1	Spike	P	0 - 40
2442830	Dicofol	5.52	Spike	P	0 - 37
2442830	Dieldrin	11.1	Spike	P	0 - 27
2442830	Endosulfan I	14.9	Spike	P	0 - 23
2442830	Endosulfan II	3.47	Spike	P	0 - 34
2442830	Endosulfan Sulfate	21.9	Spike	P	0 - 36
2442830	Endrin	20.5	Spike	P	0 - 45
2442830	Endrin Aldehyde	19.9	Spike	P	0 - 76
2442830	Endrin Ketone	14.3	Spike	P	0 - 43
2442830	Esfenvalerate	2.65	Spike	P	0 - 51
2442830	Ethalfuralin	4.73	Spike	P	0 - 22
2442830	Fenpropathrin	19.6	Spike	P	0 - 49
2442830	Gamma-BHC	2.98	Spike	P	0 - 28
2442830	Gamma-Chlordane	4.51	Spike	P	0 - 40
2442830	Heptachlor	3.32	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P435920

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442830	Heptachlor Epoxide	5.63	Spike	P	0 - 33
2442830	Hexachlorobenzene	15.0	Spike	P	0 - 36
2442830	Kepone	2.93	Spike	P	0 - 85
2442830	Lambda-Cyhalothrin	9.85	Spike	P	0 - 55
2442830	Methoprene	9.42	Spike	P	0 - 53
2442830	Methoxychlor	15.5	Spike	P	0 - 50
2442830	MGK-264	2.67	Spike	P	0 - 43
2442830	Mirex	5.91	Spike	P	0 - 40
2442830	Oxychlordane	20.5	Spike	P	0 - 31
2442830	Permethrin	9.32	Spike	P	0 - 50
2442830	Phenothrin	0.457	Spike	P	0 - 58
2442830	Piperonyl Butoxide	26.2	Spike	P	0 - 100
2442830	Prallethrin	8.44	Spike	P	0 - 39
2442830	Tau-Fluvalinate	4.62	Spike	P	0 - 54
2442830	Tetramethrin	3.20	Spike	P	0 - 51
2442830	Trans-Nonachlor	1.58	Spike	P	0 - 39
2442830	Triclosan Methyl	20.7	Spike	P	0 - 31
2442830	Trifluralin	18.6	Spike	P	0 - 22
2443209	PCB-1016	5.42	Spike	P	0 - 25
2443209	PCB-1260	1.43	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P435920

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2443209	Chlordane	9.22	Spike	P	0 - 28
2443209	Toxaphene	17.2	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P435876

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441109	2,4-D	3.14	Spike	P	0 - 30
2441109	2,4,5-T	17.7	Spike	P	0 - 30
2441109	Acetaminophen	0.884	Spike	P	0 - 30
2441109	Acetamiprid	1.97	Spike	P	0 - 30
2441109	Afidopyropen	27.2	Spike	P	0 - 30
2441109	Bentazon	2.77	Spike	P	0 - 30
2441109	Benzovindiflupyr	9.92	Spike	P	0 - 30
2441109	Carbamazepine	3.11	Spike	P	0 - 30
2441109	Clothianidin	10.1	Spike	P	0 - 30
2441109	Dinotefuran	1.67	Spike	P	0 - 30
2441109	Diuron	36.0	Spike	F	0 - 30
2441109	Fenuron	0.162	Spike	P	0 - 30
2441109	Fluridone	8.22	Spike	P	0 - 30
2441109	Hydrocodone	1.46	Spike	P	0 - 30
2441109	Ibuprofen	16.9	Spike	P	0 - 30
2441109	Imazapyr	5.18	Spike	P	0 - 30
2441109	Imidacloprid	0.920	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P435876

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441109	Linuron	3.45	Spike	P	0 - 30
2441109	Mandestrobin	1.44	Spike	P	0 - 30
2441109	MCCP	12.4	Spike	P	0 - 30
2441109	Naproxen	20.0	Spike	P	0 - 30
2441109	Primidone	0.589	Spike	P	0 - 30
2441109	Pyraclostrobin	23.6	Spike	P	0 - 30
2441109	Silvex	16.0	Spike	P	0 - 30
2441109	Thiamethoxam	0.298	Spike	P	0 - 30
2441109	Tolfenpyrad	21.0	Spike	P	0 - 30
2441109	Triclopyr	4.40	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P435922

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441886	Acesulfame K	5.55	Spike	P	0 - 30
2441886	AMPA	3.76	Spike	P	0 - 30
2441886	Endothall	3.20	Spike	P	0 - 30
2441886	Glufosinate	0.523	Spike	P	0 - 30
2441886	Glyphosate	2.17	Spike	P	0 - 30
2441886	Sucralose	12.6	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P436022

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442069	Total Alkalinity	1.46	Sample	P	0 - 3.9

Reference Method: SM 2320 B-2011
Batch ID: P436023

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442288	Total Alkalinity	1.11	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P436426

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441657	TDS	4.71	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P436025

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442069	Fluoride	0.490	Spike	P	0 - 1.9

Quality Assurance Report Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P436026

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442288	Fluoride	0.506	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P436003

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2441891	Organic Carbon	2.82	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P436181

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442901	Organic Carbon	0.324	Sample	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2442199
Field Sample ID: 20030667

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	81.5	P	37 - 129
EPA 8270E	Decachlorobiphenyl	85.6	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	57.0	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	59.3	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	67.8	P	28 - 102
EPA 8276	PCNB	114	P	49 - 115

Lab Sample ID: 2442200
Field Sample ID: 20030244

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	120	P	30 - 160
EPA 8321B	Acetaminophen-d4	86.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	62.6	P	30 - 160
EPA 8321B	Diuron-d6	83.6	P	30 - 160
EPA 8321B	Endothall-d6	103	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	98.0	P	30 - 160
EPA 8321B	Ibuprofen-d3	62.6	P	30 - 160
EPA 8321B	Primidone-d5	61.3	P	30 - 160
EPA 8321B	Sucralose-d6	112	P	30 - 160

Lab Sample ID: 2442201
Field Sample ID: G2NE1188

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	97.1	P	30 - 160
EPA 8321B	Acetaminophen-d4	61.0	P	30 - 160
EPA 8321B	Carbamazepine-d10	49.2	P	30 - 160
EPA 8321B	Diuron-d6	58.4	P	30 - 160
EPA 8321B	Endothall-d6	107	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	66.5	P	30 - 160
EPA 8321B	Ibuprofen-d3	55.3	P	30 - 160
EPA 8321B	Primidone-d5	55.2	P	30 - 160
EPA 8321B	Sucralose-d6	141	P	30 - 160

Lab Sample ID: 2442202
Field Sample ID: FB_10022023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	93.5	P	30 - 160
EPA 8321B	Acetaminophen-d4	72.4	P	30 - 160
EPA 8321B	Carbamazepine-d10	73.9	P	30 - 160
EPA 8321B	Diuron-d6	111	P	30 - 160
EPA 8321B	Endothall-d6	83.4	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	105	P	30 - 160
EPA 8321B	Ibuprofen-d3	55.1	P	30 - 160
EPA 8321B	Primidone-d5	86.5	P	30 - 160
EPA 8321B	Sucralose-d6	128	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A121920

Included Lab Sample IDs: 2442189, 2442191

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: A121921

Included Lab Sample IDs: 2442191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	102	101	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A121922

Included Lab Sample IDs: 2442189

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	101	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A121948

Included Lab Sample IDs: 2442189

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.5	102	P/P	90 - 110
Sulfate	101	103	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A121969

Included Lab Sample IDs: 2442190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	94.6	95.6	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A121975

Included Lab Sample IDs: 2442189, 2442191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.8	97.7	P/P	90 - 110
Total Alkalinity	96.4	95.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A121975

Included Lab Sample IDs: 2442189, 2442191

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A121980

Included Lab Sample IDs: 2442190, 2442192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.7	98.8	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A121992

Included Lab Sample IDs: 2442200, 2442201, 2442202

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	95.8	96.5	P/P	60 - 160
Endothall	85.4	89.4	P/P	60 - 160
Glufosinate	96.4	70.5	P/P	60 - 160
Glyphosate	83.1	90.5	P/P	60 - 160

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A122004

Included Lab Sample IDs: 2442190

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

Reference Method: EPA 8321B

Run ID: A122005

Included Lab Sample IDs: 2442200, 2442201, 2442202

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	115	89.1	P/P	50 - 150
2,4,5-T	104	105	P/P	50 - 150
Acetaminophen	111	110	P/P	60 - 160
Acetamiprid	110	111	P/P	50 - 150
Afidopyropen	102	116	P/P	50 - 150
Bentazon	99.1	136	P/P	50 - 160
Benzovindiflupyr	107	99.5	P/P	50 - 150
Carbamazepine	113	117	P/P	60 - 150
Clothianidin	119	127	P/P	60 - 150
Dinotefuran	110	113	P/P	50 - 150
Diuron	138	88.6	P/P	60 - 160
Fenuron	110	111	P/P	60 - 150
Fluridone	106	103	P/P	60 - 160
Hydrocodone	118	128	P/P	60 - 150
Ibuprofen	72.6	96.3	P/P	50 - 160
Imazapyr	98.2	82.5	P/P	50 - 150
Imidacloprid	104	104	P/P	60 - 150
Linuron	90.7	98.4	P/P	60 - 150
Mandestrobin	108	104	P/P	50 - 150
MCPP	87.5	95.9	P/P	50 - 150
Naproxen	72.4	101	P/P	50 - 160
Primidone	120	140	P/P	60 - 150
Pyraclostrobin	109	104	P/P	60 - 150
Silvex	90.7	97.2	P/P	50 - 150
Thiamethoxam	116	118	P/P	50 - 150
Tolfenpyrad	87.4	85.7	P/P	60 - 150
Triclopyr	88.5	97.8	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: SM 5310 B-2011

Run ID: A122023

Included Lab Sample IDs: 2442192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.4	95.1	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A122025

Included Lab Sample IDs: 2442200, 2442201, 2442202

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	86.3	102	P/P	60 - 160
Sucralose	113	107	P/P	60 - 160

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A122065

Included Lab Sample IDs: 2442190, 2442192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	98.5	99.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A122076

Included Lab Sample IDs: 2442190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	96.2	92.0	P/P	90 - 110

Reference Method: EPA 8276

Run ID: A122163

Included Lab Sample IDs: 2442199

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	100		P	80 - 120
Toxaphene	88.3		P	80 - 120

Reference Method: EPA 8270E

Run ID: A122187

Included Lab Sample IDs: 2442199

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	97.6		P	80 - 120
PCB-1260	95.2		P	80 - 120

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A122194

Included Lab Sample IDs: 2442192

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A122209

Included Lab Sample IDs: 2442191

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A122221

Included Lab Sample IDs: 2442192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	95.2	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A122254

Included Lab Sample IDs: 2442199

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	99.4		P	80 - 120
Alpha-BHC	94.9		P	80 - 120
Alpha-Chlordane	105		P	80 - 120
Beta-BHC	95.2		P	80 - 120
Beta-Cyfluthrin	90.0		P	80 - 120
Bifenthrin	88.6		P	80 - 120
Chlorothalonil	85.0		P	80 - 120
Cis-Nonachlor	104		P	80 - 120
Cypermethrin	92.4		P	80 - 120
Dacthal	97.4		P	80 - 120
DDD-p,p'	97.1		P	80 - 120
DDE-p,p'	102		P	80 - 120
DDT-p,p'	91.5		P	80 - 120
Delta-BHC	93.9		P	80 - 120
Deltamethrin	88.8		P	80 - 120
Dichlobenil	96.8		P	80 - 120
Dicofol	98.2		P	80 - 120
Dieldrin	95.9		P	80 - 120
Endosulfan I	88.4		P	80 - 120
Endosulfan II	98.7		P	80 - 120
Endosulfan Sulfate	110		P	80 - 120
Endrin	99.5		P	80 - 120
Endrin Aldehyde	109		P	80 - 120
Endrin Ketone	96.7		P	80 - 120
Esfenvalerate	82.4		P	80 - 120
Ethalfuralin	95.0		P	80 - 120
Fenpropathrin	92.3		P	80 - 120
Gamma-BHC	99.6		P	80 - 120
Gamma-Chlordane	106		P	80 - 120
Heptachlor	88.3		P	80 - 120
Heptachlor Epoxide	94.5		P	80 - 120
Hexachlorobenzene	85.7		P	80 - 120
Kepone	96.5		P	80 - 120
Lambda-Cyhalothrin	87.4		P	80 - 120
Methoprene	97.6		P	80 - 120
Methoxychlor	88.3		P	80 - 120
MGK-264	96.3		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A122254
Included Lab Sample IDs: 2442199

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Mirex	108		P	80 - 120
Oxychlordane	97.3		P	80 - 120
Permethrin	88.5		P	80 - 120
Phenothrin	88.6		P	80 - 120
Piperonyl Butoxide	80.0		P	80 - 120
Prallethrin	94.0		P	80 - 120
Tau-Fluvalinate	83.1		P	80 - 120
Tetramethrin	81.6		P	80 - 120
Trans-Nonachlor	98.5		P	80 - 120
Triclosan Methyl	92.6		P	80 - 120
Trifluralin	98.7		P	80 - 120

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	MS
DEP SOP: NU-094-1	Color (true)	99.9			3.35	
EPA 180.1 Rev. 2.0	Turbidity	105			4.28	
EPA 300.0 Rev. 2.1	Chloride	102	105	106	2.31	
	Chloride	99.8	102	101	1.17	
	Sulfate	104	99.3	104	2.90	
	Ammonia-N	97.8	99.8	101		1.13
EPA 350.1 Rev. 2.0	Kjeldahl Nitrogen	104	94.6	95.8		0.847
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	95.7	95.8		0.0768
	NO2NO3-N	99.0	98.0	100		1.97
EPA 353.2 Rev. 2.0	Total-P	102	106	108		2.06
EPA 365.1 Rev. 2.0	Total-P	106	103	104		0.141
	Aldrin	50.4	44.1	44.9		1.80
EPA 8270E	Alpha-BHC	86.0	85.7	73.0		14.4
	Alpha-Chlordane	92.1	107	86.2		21.8
	Beta-BHC	109	124	115		7.46
	Beta-Cyfluthrin	70.0	69.6	67.8		2.61
	Bifenthrin	49.5	42.7	43.4		1.67
	Chlorothalonil	124	105	130		21.3
	Cis-Nonachlor	84.7	75.4	90.2		17.9
	Cypermethrin	47.4	44.8	47.6		5.89
	Dacthal	86.6	78.5	93.1		16.1
	DDD-p,p'	59.0	55.2	63.2		13.6
	DDE-p,p'	51.5	50.3	61.3		19.8
	DDT-p,p'	63.3	59.5	69.5		15.5
	Delta-BHC	142	153	154		0.730
	Deltamethrin	81.7	88.3	91.9		4.09
	Dichlobenil	78.7	66.7	87.6		27.1
	Dicofol	77.0	76.5	80.8		5.52
	Dieldrin	59.5	55.9	62.9		11.1
	Endosulfan I	66.7	59.3	69.3		14.9
	Endosulfan II	68.6	76.5	79.2		3.47
	Endosulfan Sulfate	93.4	82.9	103		21.9
	Endrin	55.5	56.7	69.6		20.5
	Endrin Aldehyde	82.4	71.1	86.8		19.9
	Endrin Ketone	91.6	88.3	102		14.3
	Esfenvalerate	80.6	79.3	81.4		2.65
	Ethalfuralin	76.2	54.1	57.2		4.73
	Fenpropathrin	60.6	54.9	66.8		19.6
	Gamma-BHC	109	100	97.0		2.98
	Gamma-Chlordane	99.4	94.3	99.0		4.51
	Heptachlor	57.3	48.4	50.0		3.32
	Heptachlor Epoxide	75.7	70.6	74.7		5.63
	Hexachlorobenzene	64.6	60.9	70.8		15.0
	Kepone	88.8	98.5	101		2.93
	Lambda-Cyhalothrin	37.2	37.1	33.7		9.85
	Methoprene	45.0	35.4	38.9		9.42
	Methoxychlor	78.7	75.8	88.5		15.5
	MGK-264	99.0	98.4	101		2.67
	Mirex	50.4	55.7	52.5		5.91
	Oxychlordane	64.7	51.5	63.2		20.5
	PCB-1016	69.2	71.0	74.9		5.42
	PCB-1260	76.3	71.2	72.2		1.43
	Permethrin	62.9	57.9	63.6		9.32
	Phenothrin	53.3	49.6	49.3		0.457

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Piperonyl Butoxide	91.1	76.2	99.2		26.2
	Prallethrin	63.1	72.1	66.2		8.44
	Tau-Fluvalinate	67.6	69.4	72.7		4.62
	Tetramethrin	72.4	69.4	71.7		3.20
	Trans-Nonachlor	64.1	65.0	66.0		1.58
	Triclosan Methyl	67.1	57.6	70.9		20.7
	Trifluralin	63.5	50.4	62.4		18.6
EPA 8276	Chlordane	90.2	73.9	81.0		9.22
	Toxaphene	85.9	71.7	85.1		17.2
EPA 8321B	2,4-D	113	132	136		3.14
	2,4,5-T	110	131	109		17.7
	Acesulfame K	85.1	91.6	97.0		5.55
	Acetaminophen	74.8	88.0	88.8		0.884
	Acetamiprid	85.7	75.7	74.3		1.97
	Afidopyropen	72.0	58.2	44.2		27.2
	AMPA	101	77.9	80.9		3.76
	Bentazon	68.5	70.7	67.6		2.77
	Benzovindiflupyr	104	113	102		9.92
	Carbamazepine	74.1	69.8	72.0		3.11
	Clothianidin	89.8	106	95.6		10.1
	Dinotefuran	93.8	108	111		1.67
	Diuron	60.3	42.6	61.3		36.0
	Endothall	87.7	88.1	85.3		3.20
	Fenuron	87.5	73.2	73.3		0.162
	Fluridone	79.8	68.6	63.2		8.22
	Glufosinate	82.5	100	99.7		0.523
	Glyphosate	92.4	101	103		2.17
	Hydrocodone	79.6	80.0	81.1		1.46
	Ibuprofen	75.8	63.8	53.8		16.9
	Imazapyr	75.8	91.3	86.7		5.18
	Imidacloprid	93.9	144	142		0.920
	Linuron	63.5	58.9	56.9		3.45
	Mandestrobin	92.2	79.9	81.0		1.44
	MCPP	114	104	118		12.4
	Naproxen	65.1	79.9	97.6		20.0
	Primidone	85.6	92.5	92.0		0.589
	Pyraclostrobin	79.3	66.6	84.4		23.6
	Silvex	80.3	59.6	69.9		16.0
	Sucralose	120	104	119		12.6
	Thiamethoxam	91.2	109	109		0.298
	Tolfenpyrad	45.2	39.7	49.0		21.0
	Triclopyr	102	103	108		4.40
SM 2320 B-2011	Total Alkalinity	97.0			1.46	
	Total Alkalinity	94.9			1.11	
SM 2540 C-2015	TDS	98.4			4.71	
SM 2540 D-2015	TSS	106				
SM 4500-F- C-2011	Fluoride	99.4	101	102		0.490
	Fluoride	101	101	101		0.506
SM 5310 B-2011	Organic Carbon	95.4	93.6	96.7		2.82
	Organic Carbon	97.9	98.5		0.324	

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2442189, 2442191
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2442189, 2442191
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2442189, 2442191
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2442189, 2442191
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2442190, 2442192
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2442190, 2442192
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2442190, 2442192
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2442190, 2442192
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2442199
EPA 8270E	PCBs in water matrices by GC/MS/MS	2442199
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2442199
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2442200, 2442201, 2442202
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2442189, 2442191
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2442189, 2442191
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2442189, 2442191
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2442189, 2442191
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2442190, 2442192

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	10/03/2023			10/03/2023 15:02	Samantha L Bates	2442191
	10/03/2023			10/03/2023 15:29	Samantha L Bates	2442189
EPA 180.1 Rev. 2.0	10/03/2023			10/03/2023 13:53	Alexis Price	2442189
	10/03/2023			10/03/2023 13:54	Alexis Price	2442191
EPA 300.0 Rev. 2.1	10/03/2023			10/06/2023 04:09	James L Waggeberby	2442189
	10/03/2023			10/06/2023 04:24	James L Waggeberby	2442191
	10/03/2023			10/16/2023 20:34	James L Waggeberby	2442191
EPA 350.1 Rev. 2.0	10/03/2023			10/05/2023 13:38	Ping Hua	2442190
	10/03/2023			10/05/2023 13:39	Ping Hua	2442192
	10/03/2023			10/11/2023 11:58	Samantha L Bates	2442190
EPA 351.2 Rev. 2.0	10/03/2023	10/09/2023 12:23	Simonne.V. Calhoun	10/18/2023 11:07	Samantha L Bates	2442192
EPA 353.2 Rev. 2.0	10/03/2023			10/10/2023 15:26	Fadila Guebre	2442190
	10/03/2023			10/10/2023 15:28	Fadila Guebre	2442192
EPA 365.1 Rev. 2.0	10/03/2023	10/05/2023 13:10	Alexis Price	10/06/2023 12:24	Simonne.V. Calhoun	2442190
	10/03/2023	10/11/2023 13:38	Adam P Silver	10/17/2023 10:30	James L Waggeberby	2442192
EPA 8270E	10/03/2023	10/09/2023 08:00	Fe-Val Siddell	10/12/2023 02:07	Julie Wi	2442199
	10/03/2023	10/09/2023 08:00	Fe-Val Siddell	10/18/2023 01:21	Julie Wi	2442199
EPA 8276	10/03/2023	10/09/2023 08:00	Fe-Val Siddell	10/12/2023 07:04	Lipi Saha	2442199
EPA 8321B	10/03/2023	10/04/2023 11:00	Hoor Shaik	10/06/2023 09:01	Juyoung Kim	2442200
	10/03/2023	10/04/2023 11:00	Hoor Shaik	10/06/2023 09:19	Juyoung Kim	2442201
	10/03/2023	10/04/2023 11:00	Hoor Shaik	10/06/2023 09:37	Juyoung Kim	2442202
	10/03/2023	10/05/2023 08:00	Tae K Lee	10/05/2023 11:50	Hana Lee	2442200
	10/03/2023	10/05/2023 08:00	Tae K Lee	10/05/2023 12:03	Hana Lee	2442201
	10/03/2023	10/05/2023 08:00	Tae K Lee	10/05/2023 12:16	Hana Lee	2442202
	10/03/2023	10/05/2023 08:00	Tae K Lee	10/06/2023 11:28	Hana Lee	2442200
	10/03/2023	10/05/2023 08:00	Tae K Lee	10/06/2023 11:42	Hana Lee	2442201
	10/03/2023	10/05/2023 08:00	Tae K Lee	10/06/2023 11:56	Hana Lee	2442202
	10/03/2023			10/04/2023 19:05	Adam P Silver	2442189
	10/03/2023			10/04/2023 23:52	Adam P Silver	2442191
SM 2540 C-2015	10/03/2023			10/04/2023 15:07	Yijie Li	2442189, 2442191
SM 2540 D-2015	10/03/2023			10/04/2023 15:07	Yijie Li	2442189, 2442191
SM 4500-F- C-2011	10/03/2023			10/04/2023 19:05	Adam P Silver	2442189
	10/03/2023			10/04/2023 23:52	Adam P Silver	2442191
SM 5310 B-2011	10/03/2023			10/04/2023 19:52	Elise M. Gillis	2442190
	10/03/2023			10/07/2023 03:43	Khloe J Berg	2442192