

Chemical Analysis Report

SO-DIST-2022-02-23-01

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

Event Description: **2022 SMP : Myakka Cricks**

Request ID: **RQ-2022-02-21-45**

Customer: **SO-DIST**

Project ID: **SMP**

Send Reports to:

FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: William Mullen

For additional information please contact

Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 18-MAR-2022 09:05

A handwritten signature in black ink, appearing to read "Colin Wright", is shown on a light-colored rectangular background.

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: Little Alligator Creek @ Midway Blvd

Collection Date/Time: 02/22/2022 09:00

Field ID: G3SD0071

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307585	EPA 180.1 Rev. 2.0	Turbidity	1.5	A	NTU	P410270	
	SM 2320 B-2011	Total Alkalinity	127		mg CaCO3/L	P410711	
	SM 2540 D-2011	TSS	8	I	mg/L	P410807	
	SM 4500 F-C-2011	Fluoride	0.97		mg F/L	P410715	
2307588	EPA 350.1 Rev. 2.0	Ammonia-N	0.011		mg N/L	P410579	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.50		mg N/L	P410283	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P410772	
	EPA 365.1 Rev. 2.0	Total-P	0.088		mg P/L	P410483	
	SM 5310 B-2011	Organic Carbon	6.5		mg C/L	P410891	
2307591	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.059		mg P/L	P410264	
2307617	EPA 200.7 Rev. 4.4	Calcium	333		mg/L	P410650	
		Iron	90	U	ug/L	P410650	
		Magnesium	943		mg/L	P410650	
		Strontium	6.55E+03		ug/L	P410650	
		Tin	150	U	ug/L	P410650	
		Titanium	3.4	I	ug/L	P410650	
		Vanadium	6.0	U	ug/L	P410650	
		Zinc	15	U	ug/L	P410650	
	EPA 200.8 Rev. 5.4	Aluminum	59	I	ug/L	P410650	
		Antimony	0.31	I	ug/L	P410650	
		Arsenic	2.16		ug/L	P410650	
		Beryllium	0.040	U	ug/L	P410650	
		Cadmium	0.080	U	ug/L	P410650	
		Chromium	1.6	U	ug/L	P410650	
		Cobalt	0.13	I	ug/L	P410650	
		Copper	1.6	U	ug/L	P410650	
		Lead	0.80	U	ug/L	P410650	
		Manganese	8.5		ug/L	P410650	
		Molybdenum	21.2		ug/L	P410650	
		Nickel	2.0	U	ug/L	P410650	
		Selenium	0.80	U	ug/L	P410650	
		Silver	0.040	U	ug/L	P410650	
		Thallium	0.40	U	ug/L	P410650	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for calcium, magnesium and strontium are unavailable because of high analyte concentration in the QC sample. Precision data and spike recoveries for tin are unavailable because sample matrix interference necessitated a high dilution.

Sample Location: FlopbuckNearPearlSt

Collection Date/Time: 02/22/2022 09:35

Field ID: G3SD0185

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307586	EPA 180.1 Rev. 2.0	Turbidity	1.8		NTU	P410270	
	SM 2320 B-2011	Total Alkalinity	207		mg CaCO3/L	P410711	
	SM 2540 D-2011	TSS	8	I	mg/L	P410807	
	SM 4500 F-C-2011	Fluoride	0.73		mg F/L	P410715	
2307589	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P410579	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.82		mg N/L	P410283	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P410772	
	EPA 365.1 Rev. 2.0	Total-P	0.077		mg P/L	P410483	
	SM 5310 B-2011	Organic Carbon	8.5		mg C/L	P410891	
2307592	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.031		mg P/L	P410264	
2307618	EPA 200.7 Rev. 4.4	Calcium	263		mg/L	P410650	
		Iron	90	U	ug/L	P410650	
		Magnesium	524		mg/L	P410650	
		Strontium	4.22E+03		ug/L	P410650	
		Tin	60	U	ug/L	P410650	
		Titanium	2.6	I	ug/L	P410650	
		Vanadium	6.0	U	ug/L	P410650	
		Zinc	15	U	ug/L	P410650	
	EPA 200.8 Rev. 5.4	Aluminum	27	I	ug/L	P410650	
		Antimony	0.39	I	ug/L	P410650	
		Arsenic	1.93		ug/L	P410650	
		Beryllium	0.040	U	ug/L	P410650	
		Cadmium	0.080	U	ug/L	P410650	
		Chromium	1.6	U	ug/L	P410650	
		Cobalt	0.14	I	ug/L	P410650	
		Copper	1.6	U	ug/L	P410650	
		Lead	0.80	U	ug/L	P410650	
		Manganese	17.0		ug/L	P410650	
		Molybdenum	10.2		ug/L	P410650	
		Nickel	2.0	U	ug/L	P410650	
		Selenium	0.80	U	ug/L	P410650	
		Silver	0.040	U	ug/L	P410650	
		Thallium	0.40	U	ug/L	P410650	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for calcium, magnesium and strontium are unavailable because of high analyte concentration in the QC sample. Precision data and spike recoveries for tin are unavailable because sample matrix interference necessitated a high dilution.

Sample Location: Apollo Waterway EBranch

Collection Date/Time: 02/22/2022 10:10

Field ID: G3SD0208

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307594	EPA 180.1 Rev. 2.0	Turbidity	5.2		NTU	P410270	
	SM 2320 B-2011	Total Alkalinity	148		mg CaCO3/L	P410711	
	SM 2540 D-2011	TSS	12		mg/L	P410807	
	SM 4500 F-C-2011	Fluoride	0.78		mg F/L	P410715	
2307596	EPA 350.1 Rev. 2.0	Ammonia-N	0.038		mg N/L	P410579	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.78		mg N/L	P410283	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.01	I	mg N/L	P410772	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P410484	
	SM 5310 B-2011	Organic Carbon	8.5		mg C/L	P410891	
2307598	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.047		mg P/L	P410264	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Apollo Waterway WBranch

Collection Date/Time: 02/22/2022 10:30

Field ID: G3SD0195

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307595	EPA 180.1 Rev. 2.0	Turbidity	2.0		NTU	P410270	
	SM 2320 B-2011	Total Alkalinity	127		mg CaCO3/L	P410711	
	SM 2540 D-2011	TSS	10	I	mg/L	P410807	
	SM 4500 F-C-2011	Fluoride	0.83		mg F/L	P410715	
2307597	EPA 350.1 Rev. 2.0	Ammonia-N	0.020		mg N/L	P410630	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.65		mg N/L	P410336	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P410772	
	EPA 365.1 Rev. 2.0	Total-P	0.092		mg P/L	P410484	
	SM 5310 B-2011	Organic Carbon	8.4		mg C/L	P410891	
2307599	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.056		mg P/L	P410264	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Rock Creek @ Eisenhower Dr

Collection Date/Time: 02/22/2022 10:55

Field ID: G3SD0070

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307587	EPA 180.1 Rev. 2.0	Turbidity	3.7		NTU	P410270	
	SM 2320 B-2011	Total Alkalinity	108		mg CaCO3/L	P410711	
	SM 2540 D-2011	TSS	11		mg/L	P410807	
	SM 4500 F-C-2011	Fluoride	0.83		mg F/L	P410715	
2307590	EPA 350.1 Rev. 2.0	Ammonia-N	0.010		mg N/L	P410579	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.72		mg N/L	P410283	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P410772	
	EPA 365.1 Rev. 2.0	Total-P	0.13		mg P/L	P410483	
	SM 5310 B-2011	Organic Carbon	9.0		mg C/L	P410891	
2307593	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.081		mg P/L	P410264	
2307619	EPA 200.7 Rev. 4.4	Calcium	276		mg/L	P410650	
		Iron	130	I	ug/L	P410650	
		Magnesium	697		mg/L	P410650	
		Strontium	6.83E+03		ug/L	P410650	
		Tin	60	U	ug/L	P410650	
		Titanium	4.4	I	ug/L	P410650	
		Vanadium	6.0	U	ug/L	P410650	
		Zinc	15	U	ug/L	P410650	
	EPA 200.8 Rev. 5.4	Aluminum	127		ug/L	P410650	
		Antimony	0.20	U	ug/L	P410650	
		Arsenic	1.49		ug/L	P410650	
		Beryllium	0.040	U	ug/L	P410650	
		Cadmium	0.080	U	ug/L	P410650	
		Chromium	1.6	U	ug/L	P410650	
		Cobalt	0.17	I	ug/L	P410650	
		Copper	1.6	U	ug/L	P410650	
		Lead	0.80	U	ug/L	P410650	
		Manganese	10.5		ug/L	P410650	
		Molybdenum	7.4		ug/L	P410650	
		Nickel	2.0	U	ug/L	P410650	
		Selenium	0.80	U	ug/L	P410650	
		Silver	0.040	U	ug/L	P410650	
		Thallium	0.40	U	ug/L	P410650	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for calcium, magnesium and strontium are unavailable because of high analyte concentration in the QC sample. Precision data and spike recoveries for tin are unavailable because sample matrix interference necessitated a high dilution.

Sample Location: Myakka River (Tidal) @ US 41

Collection Date/Time: 02/22/2022 11:40

Field ID: G3SD0068

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307600	EPA 180.1 Rev. 2.0	Turbidity	4.4		NTU	P410270	
	SM 2320 B-2011	Total Alkalinity	106		mg CaCO3/L	P410711	
	SM 2540 D-2011	TSS	12		mg/L	P410807	
	SM 4500 F-C-2011	Fluoride	0.69		mg F/L	P410715	
2307601	EPA 350.1 Rev. 2.0	Ammonia-N	0.017		mg N/L	P410630	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.74		mg N/L	P410336	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P410827	
	EPA 365.1 Rev. 2.0	Total-P	0.15		mg P/L	P410484	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P410861	
2307602	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.10		mg P/L	P410264	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Alligator @ Jacaranda

Collection Date/Time: 02/22/2022 12:45

Field ID: G2SD0026

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307614	EPA 8270E	Aldrin	0.67	U	ng/L	P410111	
		Alpha-BHC	0.12	I	ng/L	P410111	
		Alpha-Chlordane	0.21	U	ng/L	P410111	
		Beta-BHC	0.10	U	ng/L	P410111	MS
		Beta-Cyfluthrin**	1.3	U	ng/L	P410111	
		Bifenthrin**	0.51	U	ng/L	P410111	
		Carbophenothion	0.92	U	ng/L	P410111	
		Chlorothalonil	1.3	U	ng/L	P410111	MS, RPD
		Cis-Nonachlor**	0.21	U	ng/L	P410111	
		Cypermethrin	1.5	U	ng/L	P410111	
		Dacthal**	0.15	U	ng/L	P410111	
		DDD-p,p'	0.26	U	ng/L	P410111	
		DDE-p,p'	0.21	U	ng/L	P410111	
		DDT-p,p'	0.30	IJ	ng/L	P410111	LCS, MS
		Delta-BHC	0.41	U	ng/L	P410111	
		Deltamethrin**	1.3	U	ng/L	P410111	
		Dichlobenil**	0.26	U	ng/L	P410111	
		Dicofol	1.3	UJ	ng/L	P410111	LCS, MS, RPD
		Dieldrin	0.41	U	ng/L	P410111	
		Endosulfan I	0.41	U	ng/L	P410111	
		Endosulfan II	0.41	U	ng/L	P410111	
		Endosulfan Sulfate	0.31	U	ng/L	P410111	
		Endrin	0.41	U	ng/L	P410111	
		Endrin Aldehyde	0.77	U	ng/L	P410111	
		Endrin Ketone	0.41	U	ng/L	P410111	
		Esfenvalerate**	0.77	U	ng/L	P410111	
		Ethalfuralin**	0.15	U	ng/L	P410111	
		Fenpropathrin**	0.26	U	ng/L	P410111	
		Gamma-BHC	0.13	U	ng/L	P410111	
		Gamma-Chlordane	0.21	U	ng/L	P410111	
		Heptachlor	0.21	U	ng/L	P410111	
		Heptachlor Epoxide	0.26	U	ng/L	P410111	
		Hexachlorobenzene	1.0	U	ng/L	P410111	
		Kepone**	5.1	U	ng/L	P410111	
		Lambda-Cyhalothrin**	0.77	U	ng/L	P410111	
		Methoprene**	0.77	U	ng/L	P410111	
		Methoxychlor	0.31	U	ng/L	P410111	
		MGK-264**	0.21	U	ng/L	P410111	
		Mirex	0.72	U	ng/L	P410111	
		Oxychlordane**	0.31	U	ng/L	P410111	
		Permethrin	2.2	I	ng/L	P410111	
		Phenothrin**	0.92	U	ng/L	P410111	
		Piperonyl Butoxide**	0.15	U	ng/L	P410111	

Field ID: G2SD0026

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2307614	EPA 8270E	Prallethrin**	2.1	U	ng/L	P410111	
		Tau-Fluvalinate**	0.26	U	ng/L	P410111	
		Tetramethrin**	0.77	U	ng/L	P410111	
		Trans-Nonachlor**	0.21	U	ng/L	P410111	
		Triclosan Methyl**	0.15	U	ng/L	P410111	
		Trifluralin	0.21	U	ng/L	P410111	
2307615	EPA 8321B	Chlordane	2.6	U	ng/L	P410111	
		Toxaphene	15	U	ng/L	P410111	
		2,4-D	0.0020	U	ug/L	P410241	
		Acesulfame K	0.10	U	ug/L	P410177	
		2,4,5-T	0.0040	U	ug/L	P410241	
		AMPA	1.0	U	ug/L	P410177	
		Acetaminophen	0.0080	U	ug/L	P410241	
		Acetamiprid	0.0020	U	ug/L	P410241	
		Endothall	0.25	U	ug/L	P410177	
		Glufosinate	1.0	U	ug/L	P410177	
		Glyphosate	1.1	I	ug/L	P410177	
		Afidopyrophen	0.0020	U	ug/L	P410241	
		Bentazon	0.025		ug/L	P410241	
		Sucralose	0.42		ug/L	P410177	
		Benzovindiflupyr	0.0020	U	ug/L	P410241	
		Carbamazepine	0.0032		ug/L	P410241	
		Clothianidin	0.0020	U	ug/L	P410241	
		Dinotefuran	0.0020	U	ug/L	P410241	
		Diuron	0.0020	U	ug/L	P410241	
		Fenuron	0.020	I	ug/L	P410241	
		Fluridone	0.019		ug/L	P410241	
		Imazapyr	0.24		ug/L	P410241	
		Hydrocodone	0.0020	U	ug/L	P410241	
		Ibuprofen	0.020	U	ug/L	P410241	
		Imidacloprid	0.0044	I	ug/L	P410241	MS
		Linuron	0.0040	U	ug/L	P410241	
		Mandestrobin	0.0020	U	ug/L	P410241	
		MCPP	0.0020	U	ug/L	P410241	
		Naproxen	0.0080	U	ug/L	P410241	
		Primidone	0.0092	I	ug/L	P410241	
		Pyraclostrobin	0.0020	U	ug/L	P410241	
		Silvex	0.0040	U	ug/L	P410241	
		Thiamethoxam	0.0020	U	ug/L	P410241	MS
		Tolfenpyrad	0.0020	U	ug/L	P410241	
		Triclopyr	0.0040	U	ug/L	P410241	

Ref. Method and Comment:

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

EPA 8321B: MS accuracy for bentazon could not be assessed due to high concentration of parameter in the spiked sample.

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P410270

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P410650

Component	Result	Code	Units
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P410650

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
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 350.1 Rev. 2.0
Batch ID: P410579

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P410630

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P410283

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P410336

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410772

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410827

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410483

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410484

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P410264

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

Reference Method: EPA 8270E
Batch ID: P410111

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Carbophenothion	0.90	U	ng/L
Carbophenothion	0.90	U	ng/L
Chlorothalonil	1.2	U	ng/L
Chlorothalonil	1.2	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P410111

Component	Result	Code	Units
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.25	U	ng/L
DDT-p,p'	0.25	U	ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P410111

Component	Result	Code	Units
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.70	U	ng/L
Mirex	0.70	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276

Batch ID: P410111

Component	Result	Code	Units
Chlordane	2.5	U	ng/L
Chlordane	2.5	U	ng/L
Toxaphene	15	U	ng/L
Toxaphene	15	U	ng/L

Reference Method: EPA 8321B

Batch ID: P410177

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B

Batch ID: P410241

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	0.016	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.020	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: SM 2320 B-2011

Batch ID: P410711

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

Reference Method: SM 2540 D-2011

Batch ID: P410807

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-2011

Batch ID: P410715

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011

Batch ID: P410861

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 5310 B-2011
Batch ID: P410891

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P410270

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

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P410650

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	106		P	85 - 115
Iron	107		P	85 - 115
Magnesium	103		P	85 - 115
Strontium	103		P	85 - 115
Tin	104		P	85 - 115
Titanium	102		P	85 - 115
Vanadium	96.3		P	85 - 115
Zinc	104		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P410650

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	93.1		P	85 - 115
Antimony	92.2		P	85 - 115
Arsenic	93.2		P	85 - 115
Beryllium	86.7		P	85 - 115
Cadmium	91.7		P	85 - 115
Chromium	88.3		P	85 - 115
Cobalt	92.3		P	85 - 115
Copper	90.2		P	85 - 115
Lead	88.6		P	85 - 115
Manganese	90.1		P	85 - 115
Molybdenum	92.2		P	85 - 115
Nickel	91.8		P	85 - 115
Selenium	91.9		P	85 - 115
Silver	96.9		P	85 - 115
Thallium	92.3		P	85 - 115

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P410579

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

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P410630

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

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P410283

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P410336

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410772

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410827

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410483

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: P410484

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P410264

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

Reference Method: EPA 8270E
Batch ID: P410111

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	61.4		P	10 - 93.0
Alpha-BHC	92.2		P	75 - 106
Alpha-Chlordane	83.3		P	50 - 109
Beta-BHC	106		P	65 - 135
Beta-Cyfluthrin	94.2		P	23 - 167
Bifenthrin	73.8		P	11 - 123
Carbophenothion	51.9		P	18 - 96.0
Chlorothalonil	106		P	26 - 182
Cis-Nonachlor	72.2		P	40 - 111
Cypermethrin	102		P	25 - 155
Dacthal	89.3		P	73 - 112
DDD-p,p'	60.3		P	47 - 108
DDE-p,p'	87.7		P	48 - 107
DDT-p,p'	120		F	49 - 111
Delta-BHC	104		P	68 - 143
Deltamethrin	83.9		P	16 - 176

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P410111

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dichlobenil	91.2		P	32 - 113
Dicofol	34.0		F	50 - 108
Dieldrin	85.0		P	56 - 110
Endosulfan I	87.3		P	60 - 105
Endosulfan II	73.4		P	50 - 120
Endosulfan Sulfate	79.8		P	55 - 121
Endrin	71.0		P	31 - 119
Endrin Aldehyde	61.2		P	36 - 116
Endrin Ketone	88.4		P	56 - 130
Esfenvalerate	84.2		P	10 - 179
Ethalfuralin	85.5		P	49 - 99.0
Fenpropathrin	81.3		P	35 - 119
Gamma-BHC	99.2		P	72 - 115
Gamma-Chlordane	84.4		P	45 - 107
Heptachlor	75.7		P	41 - 100
Heptachlor Epoxide	94.3		P	58 - 106
Hexachlorobenzene	69.1		P	39 - 100
Kepone	74.2		P	10 - 191
Lambda-Cyhalothrin	88.2		P	10 - 186
Methoprene	80.3		P	10 - 129
Methoxychlor	86.1		P	61 - 111
MGK-264	87.3		P	20 - 123
Mirex	65.0		P	10 - 182
Oxychlordane	79.8		P	39 - 110
Permethrin	100		P	26 - 152
Phenothrin	73.8		P	10 - 109
Piperonyl Butoxide	97.4		P	27 - 142
Prallethrin	82.7		P	14 - 109
Tau-Fluvalinate	73.3		P	16 - 134
Tetramethrin	85.7		P	10 - 125
Trans-Nonachlor	91.0		P	45 - 107
Triclosan Methyl	86.8		P	60 - 110
Trifluralin	80.2		P	49 - 98.0

Reference Method: EPA 8276

Batch ID: P410111

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	88.8		P	61 - 118
Toxaphene	75.2		P	51 - 122

Reference Method: EPA 8321B

Batch ID: P410177

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	106		P	40 - 150
AMPA	88.0		P	40 - 150
Endothall	95.0		P	40 - 150
Glufosinate	99.4		P	40 - 150
Glyphosate	87.9		P	40 - 150
Sucralose	71.8		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P410241

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	108		P	30 - 160
2,4,5-T	76.9		P	30 - 160
Acetaminophen	77.4		P	30 - 150
Acetamiprid	92.8		P	30 - 160
Afidopyropen	69.4		P	30 - 160
Bentazon	38.8		P	30 - 150
Benzovindiflupyr	91.3		P	30 - 160
Carbamazepine	100		P	30 - 160
Clothianidin	102		P	30 - 160
Dinotefuran	106		P	30 - 160
Diuron	88.0		P	30 - 160
Fenuron	125		P	30 - 160
Fluridone	108		P	30 - 160
Hydrocodone	102		P	30 - 160
Ibuprofen	90.5		P	30 - 160
Imazapyr	105		P	30 - 160
Imidacloprid	108		P	30 - 160
Linuron	95.0		P	30 - 160
Mandestrobin	99.6		P	30 - 160
MCPP	122		P	30 - 160
Naproxen	83.1		P	30 - 160
Primidone	77.4		P	30 - 160
Pyraclostrobin	87.4		P	30 - 160
Silvex	77.6		P	30 - 160
Thiamethoxam	102		P	30 - 160
Tolfenpyrad	46.5		P	30 - 160
Triclopyr	79.0		P	30 - 160

Reference Method: SM 2320 B-2011

Batch ID: P410711

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

Reference Method: SM 4500 F-C-2011

Batch ID: P410715

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.7		P	93 - 104

Reference Method: SM 5310 B-2011

Batch ID: P410861

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.2		P	85 - 115

Reference Method: SM 5310 B-2011

Batch ID: P410891

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.0		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P410650

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307617	Iron	100	105	P/P	70 - 130
2307617	Titanium	97.6	105	P/P	70 - 130
2307617	Vanadium	97.6	101	P/P	70 - 130
2307617	Zinc	97.0	101	P/P	70 - 130

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P410650

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307617	Aluminum	103	103	P/P	70 - 130
2307617	Antimony	100	99.9	P/P	70 - 130
2307617	Arsenic	105	105	P/P	70 - 130
2307617	Beryllium	96.3	99.9	P/P	70 - 130
2307617	Cadmium	90.5	89.5	P/P	70 - 130
2307617	Chromium	95.2	95.9	P/P	70 - 130
2307617	Cobalt	111	111	P/P	70 - 130
2307617	Copper	97.9	97.5	P/P	70 - 130
2307617	Lead	104	104	P/P	70 - 130
2307617	Manganese	94.6	94.3	P/P	70 - 130
2307617	Molybdenum	78.5	71.3	P/P	70 - 130
2307617	Nickel	108	108	P/P	70 - 130
2307617	Selenium	92.4	92.6	P/P	70 - 130
2307617	Silver	89.4	89.3	P/P	70 - 130
2307617	Thallium	109	110	P/P	70 - 130

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P410579

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2308302	Ammonia-N	98.0	99.0	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P410630

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307561	Ammonia-N	98.4	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P410283

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2306947	Kjeldahl Nitrogen	94.9	95.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P410336

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307597	Kjeldahl Nitrogen	100	96.7	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410772

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307505	NO2NO3-N	99.9	100	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410827

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307601	NO2NO3-N	100	99.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410483

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307588	Total-P	96.0	95.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410484

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307601	Total-P	99.7	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P410264

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307591	O-Phosphate-P	99.6	102	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P410111

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2306916	Aldrin	61.3	57.8	P/P	10 - 89.0
2306916	Alpha-BHC	98.9	97.2	P/P	71 - 105
2306916	Alpha-Chlordane	75.2	86.7	P/P	43 - 107
2306916	Beta-BHC	136	158	P/F	57 - 152
2306916	Beta-Cyfluthrin	126	112	P/P	29 - 186
2306916	Bifenthrin	91.7	83.0	P/P	19 - 119
2306916	Carbophenothion	86.3	79.9	P/P	19 - 107
2306916	Chlorothalonil	21.0	9.97	P/F	10 - 245
2306916	Cis-Nonachlor	72.8	69.6	P/P	36 - 110
2306916	Cypermethrin	116	115	P/P	24 - 169
2306916	Dacthal	100	104	P/P	62 - 115
2306916	DDD-p,p'	57.3	55.4	P/P	36 - 109
2306916	DDE-p,p'	80.9	91.8	P/P	30 - 114
2306916	DDT-p,p'	122	141	F/F	42 - 108
2306916	Delta-BHC	142	158	P/P	60 - 164
2306916	Deltamethrin	118	110	P/P	10 - 210
2306916	Dichlobenil	48.7	56.3	P/P	23 - 108
2306916	Dicofol	38.2	27.8	F/F	44 - 109
2306916	Dieldrin	87.6	90.9	P/P	37 - 119
2306916	Endosulfan I	93.3	97.0	P/P	52 - 105
2306916	Endosulfan II	74.0	69.3	P/P	35 - 127
2306916	Endosulfan Sulfate	85.5	82.8	P/P	39 - 130

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P410111

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2306916	Endrin	74.2	67.2	P/P	30 - 116
2306916	Endrin Aldehyde	51.8	37.6	P/P	20 - 110
2306916	Endrin Ketone	109	103	P/P	48 - 134
2306916	Esfenvalerate	118	109	P/P	10 - 199
2306916	Ethalfuralin	80.5	80.6	P/P	48 - 95.0
2306916	Fenpropathrin	95.5	82.3	P/P	37 - 121
2306916	Gamma-BHC	120	124	P/P	61 - 126
2306916	Gamma-Chlordane	73.6	84.4	P/P	39 - 105
2306916	Heptachlor	74.6	70.1	P/P	38 - 96.0
2306916	Heptachlor Epoxide	92.7	97.1	P/P	42 - 114
2306916	Hexachlorobenzene	69.8	60.7	P/P	39 - 93.0
2306916	Kepone	90.7	99.0	P/P	10 - 215
2306916	Lambda-Cyhalothrin	142	120	P/P	10 - 204
2306916	Methoprene	69.1	75.2	P/P	17 - 108
2306916	Methoxychlor	86.7	83.7	P/P	56 - 115
2306916	MGK-264	74.8	66.3	P/P	35 - 120
2306916	Mirex	64.9	58.9	P/P	10 - 178
2306916	Oxychlordane	82.4	79.3	P/P	47 - 91.0
2306916	Permethrin	120	105	P/P	27 - 170
2306916	Phenothrin	131	131	P/P	10 - 133
2306916	Piperonyl Butoxide	111	104	P/P	23 - 150
2306916	Prallethrin	85.2	95.9	P/P	21 - 113
2306916	Tau-Fluvalinate	114	96.2	P/P	16 - 158
2306916	Tetramethrin	125	109	P/P	22 - 132
2306916	Trans-Nonachlor	85.0	92.0	P/P	43 - 102
2306916	Triclosan Methyl	78.5	89.7	P/P	49 - 109
2306916	Trifluralin	75.6	80.4	P/P	48 - 93.0

Reference Method: EPA 8276

Batch ID: P410111

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307285	Chlordane	75.1	81.5	P/P	55 - 128
2307285	Toxaphene	75.4	77.6	P/P	57 - 211

Reference Method: EPA 8321B

Batch ID: P410177

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2306763	Acesulfame K	66.1	66.0	P/P	40 - 150
2306763	AMPA	60.9	63.6	P/P	40 - 150
2306763	Endothall	140	108	P/P	40 - 150
2306763	Glufosinate	83.7	89.1	P/P	40 - 150
2306763	Glyphosate	68.6	75.6	P/P	40 - 150
2306763	Sucralose	72.2	64.3	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P410241

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2306763	2,4-D	129	125	P/P	30 - 160
2306763	2,4,5-T	97.4	114	P/P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P410241

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2306763	Acetaminophen	89.8	77.2	P/P	30 - 150
2306763	Acetamiprid	97.5	87.0	P/P	30 - 160
2306763	Afidopyropen	77.6	65.6	P/P	30 - 160
2306763	Benzovindiflupyr	107	86.3	P/P	30 - 160
2306763	Carbamazepine	108	95.8	P/P	30 - 160
2306763	Clothianidin	109	92.0	P/P	30 - 160
2306763	Dinotefuran	143	117	P/P	30 - 160
2306763	Diuron	87.0	77.6	P/P	30 - 160
2306763	Fenuron	125	104	P/P	30 - 160
2306763	Fluridone	121	108	P/P	30 - 160
2306763	Hydrocodone	108	97.4	P/P	30 - 160
2306763	Ibuprofen	87.3	73.7	P/P	30 - 160
2306763	Imazapyr	119	91.5	P/P	30 - 160
2306763	Imidacloprid	222	195	F/F	30 - 160
2306763	Linuron	97.1	97.4	P/P	30 - 160
2306763	Mandestrobin	112	100	P/P	30 - 160
2306763	MCPP	135	135	P/P	30 - 160
2306763	Naproxen	82.2	73.1	P/P	30 - 160
2306763	Primidone	114	84.6	P/P	30 - 160
2306763	Pyraclostrobin	108	90.9	P/P	30 - 160
2306763	Silvex	106	116	P/P	30 - 160
2306763	Thiamethoxam	166	152	F/P	30 - 160
2306763	Tolfenpyrad	65.7	55.4	P/P	30 - 160
2306763	Triclopyr	104	100	P/P	30 - 160

Reference Method: SM 4500 F-C-2011

Batch ID: P410715

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307282	Fluoride	98.9	99.7	P/P	92 - 107

Reference Method: SM 5310 B-2011

Batch ID: P410861

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2308465	Organic Carbon	97.2	99.4	P/P	85 - 115

Reference Method: SM 5310 B-2011

Batch ID: P410891

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2307596	Organic Carbon	93.7	91.3	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P410270

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307585	Turbidity	7.31	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P410650

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307617	Calcium	2.18	Spike	P	0 - 20
2307617	Iron	4.34	Spike	P	0 - 20
2307617	Magnesium	0.173	Spike	P	0 - 20
2307617	Strontium	3.06	Spike	P	0 - 20
2307617	Titanium	6.81	Spike	P	0 - 20
2307617	Vanadium	3.33	Spike	P	0 - 20
2307617	Zinc	4.41	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P410650

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307617	Aluminum	0.400	Spike	P	0 - 20
2307617	Antimony	0.306	Spike	P	0 - 20
2307617	Arsenic	0.526	Spike	P	0 - 20
2307617	Beryllium	3.65	Spike	P	0 - 20
2307617	Cadmium	1.11	Spike	P	0 - 20
2307617	Chromium	0.771	Spike	P	0 - 20
2307617	Cobalt	0.308	Spike	P	0 - 20
2307617	Copper	0.378	Spike	P	0 - 20
2307617	Lead	0.227	Spike	P	0 - 20
2307617	Manganese	0.283	Spike	P	0 - 20
2307617	Molybdenum	3.97	Spike	P	0 - 20
2307617	Nickel	0.289	Spike	P	0 - 20
2307617	Selenium	0.228	Spike	P	0 - 20
2307617	Silver	0.105	Spike	P	0 - 20
2307617	Thallium	0.273	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P410579

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2308302	Ammonia-N	0.898	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P410630

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307561	Ammonia-N	1.49	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P410283

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2306947	Kjeldahl Nitrogen	0.468	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P410336

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307597	Kjeldahl Nitrogen	2.98	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410772

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307505	NO2NO3-N	0.438	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P410827

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307601	NO2NO3-N	0.490	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410483

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307588	Total-P	0.661	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P410484

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307601	Total-P	1.35	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P410264

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307591	O-Phosphate-P	1.19	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P410111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2306916	Aldrin	5.94	Spike	P	0 - 37
2306916	Alpha-BHC	1.61	Spike	P	0 - 16

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P410111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2306916	Alpha-Chlordane	14.2	Spike	P	0 - 28
2306916	Beta-BHC	14.5	Spike	P	0 - 32
2306916	Beta-Cyfluthrin	11.9	Spike	P	0 - 41
2306916	Bifenthrin	10.0	Spike	P	0 - 36
2306916	Carbophenothion	7.75	Spike	P	0 - 30
2306916	Chlorothalonil	71.4	Spike	F	0 - 54
2306916	Cis-Nonachlor	4.39	Spike	P	0 - 33
2306916	Cypermethrin	1.05	Spike	P	0 - 38
2306916	Dacthal	4.08	Spike	P	0 - 23
2306916	DDD-p,p'	3.43	Spike	P	0 - 35
2306916	DDE-p,p'	12.6	Spike	P	0 - 27
2306916	DDT-p,p'	14.4	Spike	P	0 - 31
2306916	Delta-BHC	10.6	Spike	P	0 - 30
2306916	Deltamethrin	7.66	Spike	P	0 - 76
2306916	Dichlobenil	14.6	Spike	P	0 - 33
2306916	Dicofol	31.3	Spike	F	0 - 24
2306916	Dieldrin	3.71	Spike	P	0 - 35
2306916	Endosulfan I	3.89	Spike	P	0 - 25
2306916	Endosulfan II	6.58	Spike	P	0 - 31
2306916	Endosulfan Sulfate	3.20	Spike	P	0 - 38
2306916	Endrin	9.81	Spike	P	0 - 53
2306916	Endrin Aldehyde	31.8	Spike	P	0 - 81
2306916	Endrin Ketone	4.80	Spike	P	0 - 33
2306916	Esfenvalerate	7.45	Spike	P	0 - 46
2306916	Ethalfuralin	0.0776	Spike	P	0 - 22
2306916	Fenpropathrin	14.8	Spike	P	0 - 29
2306916	Gamma-BHC	3.43	Spike	P	0 - 17
2306916	Gamma-Chlordane	13.7	Spike	P	0 - 28
2306916	Heptachlor	6.13	Spike	P	0 - 28
2306916	Heptachlor Epoxide	4.61	Spike	P	0 - 23
2306916	Hexachlorobenzene	13.9	Spike	P	0 - 22
2306916	Kepone	8.73	Spike	P	0 - 61
2306916	Lambda-Cyhalothrin	16.5	Spike	P	0 - 52
2306916	Methoprene	8.39	Spike	P	0 - 38
2306916	Methoxychlor	3.46	Spike	P	0 - 29
2306916	MGK-264	12.0	Spike	P	0 - 41
2306916	Mirex	9.59	Spike	P	0 - 39
2306916	Oxychlordane	3.91	Spike	P	0 - 33
2306916	Permethrin	12.5	Spike	P	0 - 39
2306916	Phenothrin	0.369	Spike	P	0 - 52
2306916	Piperonyl Butoxide	6.76	Spike	P	0 - 91
2306916	Prallethrin	11.8	Spike	P	0 - 34
2306916	Tau-Fluvalinate	17.3	Spike	P	0 - 41
2306916	Tetramethrin	13.3	Spike	P	0 - 43
2306916	Trans-Nonachlor	7.95	Spike	P	0 - 31
2306916	Triclosan Methyl	13.3	Spike	P	0 - 24
2306916	Trifluralin	6.10	Spike	P	0 - 23

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P410111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307285	Chlordane	8.14	Spike	P	0 - 25
2307285	Toxaphene	2.90	Spike	P	0 - 24

Reference Method: EPA 8321B
Batch ID: P410177

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2306763	Acesulfame K	0.166	Spike	P	0 - 30
2306763	AMPA	4.10	Spike	P	0 - 30
2306763	Endothall	25.5	Spike	P	0 - 30
2306763	Glufosinate	6.29	Spike	P	0 - 30
2306763	Glyphosate	8.08	Spike	P	0 - 30
2306763	Sucralose	11.1	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P410241

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2306763	2,4-D	2.47	Spike	P	0 - 30
2306763	2,4,5-T	15.4	Spike	P	0 - 30
2306763	Acetaminophen	15.1	Spike	P	0 - 30
2306763	Acetamiprid	11.4	Spike	P	0 - 30
2306763	Afidopyropen	16.8	Spike	P	0 - 30
2306763	Bentazon	1.31	Spike	P	0 - 30
2306763	Benzovindiflupyr	21.5	Spike	P	0 - 30
2306763	Carbamazepine	12.0	Spike	P	0 - 30
2306763	Clothianidin	17.2	Spike	P	0 - 30
2306763	Dinotefuran	20.0	Spike	P	0 - 30
2306763	Diuron	11.4	Spike	P	0 - 30
2306763	Fenuron	19.0	Spike	P	0 - 30
2306763	Fluridone	11.0	Spike	P	0 - 30
2306763	Hydrocodone	10.0	Spike	P	0 - 30
2306763	Ibuprofen	16.9	Spike	P	0 - 30
2306763	Imazapyr	13.8	Spike	P	0 - 30
2306763	Imidacloprid	13.1	Spike	P	0 - 30
2306763	Linuron	0.248	Spike	P	0 - 30
2306763	Mandestrobin	11.3	Spike	P	0 - 30
2306763	MCPP	0.504	Spike	P	0 - 30
2306763	Naproxen	11.7	Spike	P	0 - 30
2306763	Primidone	29.4	Spike	P	0 - 30
2306763	Pyraclostrobin	17.4	Spike	P	0 - 30
2306763	Silvex	9.36	Spike	P	0 - 30
2306763	Thiamethoxam	9.07	Spike	P	0 - 30
2306763	Tolfenpyrad	17.1	Spike	P	0 - 30
2306763	Triclopyr	3.32	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P410711

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307282	Total Alkalinity	1.50	Sample	P	0 - 5.2

Reference Method: SM 4500 F-C-2011
Batch ID: P410715

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307282	Fluoride	0.516	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P410861

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2308465	Organic Carbon	1.80	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P410891

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2307596	Organic Carbon	2.11	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2307614
Field Sample ID: G2SD0026

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	105	P	31 - 118
EPA 8270E	Tetrachloro-m-xylene	65.6	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	91.0	P	30 - 97.0
EPA 8276	PCNB	93.0	P	45 - 119

Lab Sample ID: 2307615
Field Sample ID: G2SD0026

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	115	P	30 - 160
EPA 8321B	Acetaminophen-d4	92.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	111	P	30 - 160
EPA 8321B	Diuron-d6	74.6	P	30 - 160
EPA 8321B	Endothall-d6	95.5	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.8	P	30 - 160
EPA 8321B	Ibuprofen-d3	64.3	P	30 - 160
EPA 8321B	Primidone-d5	119	P	30 - 160
EPA 8321B	Sucralose-d6	65.1	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A110574

Included Lab Sample IDs: 2307591, 2307592, 2307593, 2307598, 2307599, 2307602

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.3	99.6	P/P	90 - 110
O-Phosphate-P	99.6	98.5	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A110576

Included Lab Sample IDs: 2307585, 2307586, 2307587, 2307594, 2307595, 2307600

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

Reference Method: EPA 8321B

Run ID: A110616

Included Lab Sample IDs: 2307615

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	91.3	95.8	P/P	60 - 160
Glufosinate	114	113	P/P	60 - 160
Glyphosate	101	98.9	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A110643

Included Lab Sample IDs: 2307615

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	89.1	112	P/P	50 - 150
2,4,5-T	125	127	P/P	50 - 150
Acetaminophen	117	110	P/P	60 - 160
Acetamiprid	109	110	P/P	50 - 150
Afidopyropen	114	103	P/P	50 - 150
Bentazon	105	106	P/P	50 - 160
Benzovindiflupyr	103	109	P/P	50 - 160
Carbamazepine	111	105	P/P	60 - 150
Clothianidin	108	99.4	P/P	60 - 150
Dinotefuran	110	109	P/P	50 - 150
Diuron	101	110	P/P	60 - 160
Fenuron	109	113	P/P	60 - 150
Fluridone	114	122	P/P	60 - 160
Hydrocodone	109	114	P/P	60 - 150
Ibuprofen	98.6	95.5	P/P	50 - 160
Imazapyr	111	111	P/P	50 - 150
Imidacloprid	96.1	103	P/P	60 - 150
Linuron	122	127	P/P	60 - 150
Mandestrobin	107	113	P/P	50 - 150
MCPP	117	115	P/P	50 - 150
Naproxen	77.6	147	P/P	50 - 160
Primidone	94.7	88.0	P/P	60 - 150
Pyraclostrobin	120	114	P/P	60 - 150
Silvex	98.2	106	P/P	50 - 150
Thiamethoxam	115	106	P/P	50 - 150
Tolfenpyrad	127	121	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A110643
Included Lab Sample IDs: 2307615

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Triclopyr	104	128	P/P	50 - 150

Reference Method: EPA 8276
Run ID: A110651
Included Lab Sample IDs: 2307614

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	91.6		P	80 - 120
Toxaphene	88.9		P	80 - 120

Reference Method: EPA 8321B
Run ID: A110657
Included Lab Sample IDs: 2307615

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	112	111	P/P	60 - 160
Endothall	142	135	P/P	60 - 160
Sucralose	86.9	91.3	P/P	60 - 160

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A110688
Included Lab Sample IDs: 2307588, 2307589, 2307590, 2307596

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A110711
Included Lab Sample IDs: 2307588, 2307589, 2307590, 2307596

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.7	97.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A110726
Included Lab Sample IDs: 2307597, 2307601

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.4	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A110729
Included Lab Sample IDs: 2307590, 2307596, 2307601

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A110734

Included Lab Sample IDs: 2307597, 2307601

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	100	98.8	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A110752

Included Lab Sample IDs: 2307614

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	101		P	80 - 120
Alpha-BHC	98.1		P	80 - 120
Alpha-Chlordane	95.9		P	80 - 120
Beta-BHC	101		P	80 - 120
Beta-Cyfluthrin	85.1		P	80 - 120
Bifenthrin	104		P	80 - 120
Carbophenothion	101		P	80 - 120
Chlorothalonil	88.9		P	80 - 120
Cis-Nonachlor	101		P	80 - 120
Cypermethrin	104		P	80 - 120
Dacthal	96.0		P	80 - 120
DDD-p,p'	105		P	80 - 120
DDE-p,p'	98.6		P	80 - 120
DDT-p,p'	87.1		P	80 - 120
Delta-BHC	94.1		P	80 - 120
Deltamethrin	80.9		P	80 - 120
Dichlobenil	102		P	80 - 120
Dieldrin	96.5		P	80 - 120
Endosulfan I	97.1		P	80 - 120
Endosulfan II	106		P	80 - 120
Endosulfan Sulfate	103		P	80 - 120
Endrin	106		P	80 - 120
Endrin Aldehyde	105		P	80 - 120
Endrin Ketone	102		P	80 - 120
Esfenvalerate	91.4		P	80 - 120
Ethalfuralin	101		P	80 - 120
Fenpropathrin	101		P	80 - 120
Gamma-BHC	99.2		P	80 - 120
Gamma-Chlordane	95.4		P	80 - 120
Heptachlor	98.3		P	80 - 120
Heptachlor Epoxide	98.8		P	80 - 120
Hexachlorobenzene	99.8		P	80 - 120
Kepone	117		P	80 - 120
Lambda-Cyhalothrin	94.1		P	80 - 120
Methoprene	90.8		P	80 - 120
Methoxychlor	96.0		P	80 - 120
MGK-264	95.3		P	80 - 120
Mirex	100		P	80 - 120
Oxychlordane	91.6		P	80 - 120
Permethrin	96.2		P	80 - 120
Phenothrin	94.3		P	80 - 120
Piperonyl Butoxide	102		P	80 - 120
Prallethrin	97.9		P	80 - 120
Tau-Fluvalinate	92.4		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A110752

Included Lab Sample IDs: 2307614

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tetramethrin	105		P	80 - 120
Trans-Nonachlor	98.4		P	80 - 120
Triclosan Methyl	91.2		P	80 - 120
Trifluralin	98.4		P	80 - 120

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A110768

Included Lab Sample IDs: 2307588, 2307589, 2307597

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	101	100	P/P	90 - 110
Total-P	102	101	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A110777

Included Lab Sample IDs: 2307585, 2307586, 2307587, 2307594, 2307595, 2307600

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	97.2	96.3	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A110777

Included Lab Sample IDs: 2307585, 2307586, 2307587, 2307594, 2307595, 2307600

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

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A110791

Included Lab Sample IDs: 2307617, 2307618, 2307619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	101	99.7	P/P	90 - 110
Aluminum	99.7	100	P/P	90 - 110
Antimony	95.4	97.0	P/P	90 - 110
Antimony	97.0	98.4	P/P	90 - 110
Arsenic	99.5	99.9	P/P	90 - 110
Arsenic	99.9	99.3	P/P	90 - 110
Beryllium	97.2	96.6	P/P	90 - 110
Beryllium	99.4	97.2	P/P	90 - 110
Cadmium	97.2	97.5	P/P	90 - 110
Cadmium	97.5	98.3	P/P	90 - 110
Chromium	96.1	97.5	P/P	90 - 110
Chromium	97.5	96.8	P/P	90 - 110
Cobalt	101	99.8	P/P	90 - 110
Cobalt	99.8	97.7	P/P	90 - 110
Copper	100	97.7	P/P	90 - 110
Copper	101	100	P/P	90 - 110
Lead	93.2	92.2	P/P	90 - 110
Lead	93.5	93.2	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A110791

Included Lab Sample IDs: 2307617, 2307618, 2307619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Manganese	97.6	98.0	P/P	90 - 110
Manganese	98.0	97.2	P/P	90 - 110
Molybdenum	97.5	98.4	P/P	90 - 110
Molybdenum	98.4	98.8	P/P	90 - 110
Nickel	100	98.0	P/P	90 - 110
Nickel	102	100	P/P	90 - 110
Selenium	98.4	98.9	P/P	90 - 110
Selenium	98.9	99.5	P/P	90 - 110
Silver	94.6	94.9	P/P	90 - 110
Silver	94.9	94.9	P/P	90 - 110
Thallium	97.6	96.4	P/P	90 - 110
Thallium	98.0	97.6	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A110800

Included Lab Sample IDs: 2307617, 2307618, 2307619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	101	101	P/P	90 - 110
Calcium	101	101	P/P	90 - 110
Iron	100	101	P/P	90 - 110
Iron	101	101	P/P	90 - 110
Magnesium	101	101	P/P	90 - 110
Strontium	95.4	95.1	P/P	90 - 110
Strontium	95.7	95.4	P/P	90 - 110
Tin	94.2	96.1	P/P	90 - 110
Titanium	94.0	94.5	P/P	90 - 110
Titanium	94.4	94.0	P/P	90 - 110
Vanadium	94.8	95.5	P/P	90 - 110
Vanadium	95.1	94.8	P/P	90 - 110
Zinc	97.3	98.7	P/P	90 - 110
Zinc	97.6	97.3	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A110805

Included Lab Sample IDs: 2307588, 2307589, 2307590, 2307596, 2307597

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A110817

Included Lab Sample IDs: 2307601

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	102	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A110827
Included Lab Sample IDs: 2307614

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Dicofol	102		P	80 - 120

Reference Method: SM 5310 B-2011
Run ID: A110833
Included Lab Sample IDs: 2307601

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	101	99.0	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A110845
Included Lab Sample IDs: 2307588, 2307589, 2307590, 2307596, 2307597

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	94.2	92.4	P/P	90 - 110
Organic Carbon	95.5	96.6	P/P	90 - 110
Organic Carbon	96.6	94.2	P/P	90 - 110

* 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
EPA 180.1 Rev. 2.0	Turbidity	97.8				7.31	
EPA 200.7 Rev. 4.4	Calcium	106					2.18
	Iron	107	100	105			4.34
	Magnesium	103					0.173
	Strontium	103					3.06
	Tin	104					
	Titanium	102	97.6	105			6.81
	Vanadium	96.3	97.6	101			3.33
	Zinc	104	97.0	101			4.41
EPA 200.8 Rev. 5.4	Aluminum	93.1	103	103			0.400
	Antimony	92.2	100	99.9			0.306
	Arsenic	93.2	105	105			0.526
	Beryllium	86.7	96.3	99.9			3.65
	Cadmium	91.7	90.5	89.5			1.11
	Chromium	88.3	95.2	95.9			0.771
	Cobalt	92.3	111	111			0.308
	Copper	90.2	97.9	97.5			0.378
	Lead	88.6	104	104			0.227
	Manganese	90.1	94.6	94.3			0.283
	Molybdenum	92.2	78.5	71.3			3.97
	Nickel	91.8	108	108			0.289
	Selenium	91.9	92.4	92.6			0.228
	Silver	96.9	89.4	89.3			0.105
	Thallium	92.3	109	110			0.273
EPA 350.1 Rev. 2.0	Ammonia-N	98.8	98.0	99.0			0.898
	Ammonia-N	99.8	98.4	100			1.49
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	108	94.9	95.4			0.468
	Kjeldahl Nitrogen	95.2	100	96.7			2.98
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	102	99.9	100			0.438
	NO ₂ NO ₃ -N	102	100	99.6			0.490
EPA 365.1 Rev. 2.0	Total-P	102	96.0	95.3			0.661
	Total-P	102	99.7	101			1.35
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.9	99.6	102			1.19
EPA 8270E	Aldrin	61.4	61.3	57.8			5.94
	Alpha-BHC	92.2	98.9	97.2			1.61
	Alpha-Chlordane	83.3	75.2	86.7			14.2
	Beta-BHC	106	136	158			14.5
	Beta-Cyfluthrin	94.2	126	112			11.9
	Bifenthrin	73.8	91.7	83.0			10.0
	Carbophenothion	51.9	86.3	79.9			7.75
	Chlorothalonil	106	21.0	9.97			71.4
	Cis-Nonachlor	72.2	72.8	69.6			4.39
	Cypermethrin	102	116	115			1.05
	Dacthal	89.3	100	104			4.08
	DDD-p,p'	60.3	57.3	55.4			3.43
	DDE-p,p'	87.7	80.9	91.8			12.6
	DDT-p,p'	120	122	141			14.4
	Delta-BHC	104	142	158			10.6
	Deltamethrin	83.9	118	110			7.66
	Dichlobenil	91.2	48.7	56.3			14.6
	Dicofol	34.0	38.2	27.8			31.3
	Dieldrin	85.0	87.6	90.9			3.71
	Endosulfan I	87.3	93.3	97.0			3.89
	Endosulfan II	73.4	74.0	69.3			6.58

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Endosulfan Sulfate	79.8	85.5	82.8		3.20
	Endrin	71.0	74.2	67.2		9.81
	Endrin Aldehyde	61.2	51.8	37.6		31.8
	Endrin Ketone	88.4	109	103		4.80
	Esfenvalerate	84.2	118	109		7.45
	Ethalfuralin	85.5	80.5	80.6		0.0776
	Fenpropathrin	81.3	95.5	82.3		14.8
	Gamma-BHC	99.2	120	124		3.43
	Gamma-Chlordane	84.4	73.6	84.4		13.7
	Heptachlor	75.7	74.6	70.1		6.13
	Heptachlor Epoxide	94.3	92.7	97.1		4.61
	Hexachlorobenzene	69.1	69.8	60.7		13.9
	Kepone	74.2	90.7	99.0		8.73
	Lambda-Cyhalothrin	88.2	142	120		16.5
	Methoprene	80.3	69.1	75.2		8.39
	Methoxychlor	86.1	86.7	83.7		3.46
	MGK-264	87.3	74.8	66.3		12.0
	Mirex	65.0	64.9	58.9		9.59
	Oxychlordane	79.8	82.4	79.3		3.91
	Permethrin	100	120	105		12.5
	Phenothrin	73.8	131	131		0.369
	Piperonyl Butoxide	97.4	111	104		6.76
	Prallethrin	82.7	85.2	95.9		11.8
	Tau-Fluvalinate	73.3	114	96.2		17.3
	Tetramethrin	85.7	125	109		13.3
	Trans-Nonachlor	91.0	85.0	92.0		7.95
	Triclosan Methyl	86.8	78.5	89.7		13.3
	Trifluralin	80.2	75.6	80.4		6.10
EPA 8276	Chlordane	88.8	75.1	81.5		8.14
	Toxaphene	75.2	75.4	77.6		2.90
	2,4-D	108	129	125		2.47
EPA 8321B	2,4,5-T	76.9	97.4	114		15.4
	Acesulfame K	106	66.1	66.0		0.166
	Acetaminophen	77.4	89.8	77.2		15.1
	Acetamiprid	92.8	97.5	87.0		11.4
	Afidopyropen	69.4	77.6	65.6		16.8
	AMPA	88.0	60.9	63.6		4.10
	Bentazon	38.8				1.31
	Benzovindiflupyr	91.3	107	86.3		21.5
	Carbamazepine	100	108	95.8		12.0
	Clothianidin	102	109	92.0		17.2
	Dinotefuran	106	143	117		20.0
	Diuron	88.0	87.0	77.6		11.4
	Endothall	95.0	140	108		25.5
	Fenuron	125	125	104		19.0
	Fluridone	108	121	108		11.0
	Glufosinate	99.4	83.7	89.1		6.29
	Glyphosate	87.9	68.6	75.6		8.08
	Hydrocodone	102	108	97.4		10.0
	Ibuprofen	90.5	87.3	73.7		16.9
	Imazapyr	105	119	91.5		13.8
	Imidacloprid	108	222	195		13.1
	Linuron	95.0	97.1	97.4		0.248
	Mandestrobin	99.6	112	100		11.3

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	MS
EPA 8321B	MCCP	122	135	135		0.504
	Naproxen	83.1	82.2	73.1		11.7
	Primidone	77.4	114	84.6		29.4
	Pyraclostrobin	87.4	108	90.9		17.4
	Silvex	77.6	106	116		9.36
	Sucralose	71.8	72.2	64.3		11.1
	Thiamethoxam	102	166	152		9.07
	Tolfenpyrad	46.5	65.7	55.4		17.1
	Triclopyr	79.0	104	100		3.32
SM 2320 B-2011	Total Alkalinity	94.8			1.50	
SM 4500 F-C-2011	Fluoride	98.7	98.9	99.7		0.516
SM 5310 B-2011	Organic Carbon	97.2	97.2	99.4		1.80
	Organic Carbon	98.0	93.7	91.3		2.11

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2307585, 2307586, 2307587, 2307594, 2307595, 2307600
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2307617, 2307618, 2307619
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2307617, 2307618, 2307619
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2307588, 2307589, 2307590, 2307596, 2307597, 2307601
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2307588, 2307589, 2307590, 2307596, 2307597, 2307601
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2307588, 2307589, 2307590, 2307596, 2307597, 2307601
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2307588, 2307589, 2307590, 2307596, 2307597, 2307601
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2307591, 2307592, 2307593, 2307598, 2307599, 2307602
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2307614
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2307614
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2307615
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2307585, 2307586, 2307587, 2307594, 2307595, 2307600
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2307585, 2307586, 2307587, 2307594, 2307595, 2307600
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2307585, 2307586, 2307587, 2307594, 2307595, 2307600
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2307588, 2307589, 2307590, 2307596, 2307597, 2307601

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	02/23/2022			02/23/2022 15:14	Khloe J Berg	2307585
	02/23/2022			02/23/2022 15:24	Khloe J Berg	2307586
	02/23/2022			02/23/2022 15:25	Khloe J Berg	2307587
	02/23/2022			02/23/2022 15:27	Khloe J Berg	2307594
	02/23/2022			02/23/2022 15:30	Khloe J Berg	2307595
	02/23/2022			02/23/2022 15:31	Khloe J Berg	2307600
EPA 200.7 Rev. 4.4	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 18:39	Josef B Mick	2307617
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 19:43	Josef B Mick	2307617
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 20:15	Josef B Mick	2307618
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 20:23	Josef B Mick	2307618
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 20:31	Josef B Mick	2307619
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 20:39	Josef B Mick	2307619
EPA 200.8 Rev. 5.4	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 19:40	Alexander Thompson	2307617
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 20:47	Alexander Thompson	2307618
	02/23/2022	03/04/2022 10:00	Megan Whitefoot	03/07/2022 20:56	Alexander Thompson	2307619
EPA 350.1 Rev. 2.0	02/23/2022			03/02/2022 13:28	Ping Hua	2307588
	02/23/2022			03/02/2022 13:29	Ping Hua	2307589
	02/23/2022			03/02/2022 13:30	Ping Hua	2307590
	02/23/2022			03/02/2022 13:32	Ping Hua	2307596
	02/23/2022			03/03/2022 11:08	Judith K. Clark	2307597
	02/23/2022			03/03/2022 11:10	Judith K. Clark	2307601
EPA 351.2 Rev. 2.0	02/23/2022	02/25/2022 10:06	Samantha L Bates	03/01/2022 12:48	Alexandra J Mattheus	2307588
	02/23/2022	02/25/2022 10:06	Samantha L Bates	03/01/2022 12:50	Alexandra J Mattheus	2307589
	02/23/2022	02/25/2022 10:06	Samantha L Bates	03/01/2022 12:51	Alexandra J Mattheus	2307590
	02/23/2022	02/25/2022 10:06	Samantha L Bates	03/01/2022 12:53	Alexandra J Mattheus	2307596
	02/23/2022	02/28/2022 11:43	Samantha L Bates	03/02/2022 14:24	Alexandra J Mattheus	2307597
	02/23/2022	02/28/2022 11:43	Samantha L Bates	03/02/2022 14:29	Alexandra J Mattheus	2307601
EPA 353.2 Rev. 2.0	02/23/2022			03/04/2022 18:05	Nathaniel J Jones	2307588
	02/23/2022			03/04/2022 18:06	Nathaniel J Jones	2307589
	02/23/2022			03/04/2022 18:07	Nathaniel J Jones	2307590
	02/23/2022			03/04/2022 18:08	Nathaniel J Jones	2307596
	02/23/2022			03/04/2022 18:09	Nathaniel J Jones	2307597
	02/23/2022			03/08/2022 14:47	Nathaniel J Jones	2307601
EPA 365.1 Rev. 2.0	02/23/2022	03/02/2022 15:00	Simonne.V. Calhoun	03/03/2022 11:38	Shengyu Ding	2307590
	02/23/2022	03/02/2022 15:00	Simonne.V. Calhoun	03/03/2022 11:41	Shengyu Ding	2307601
	02/23/2022	03/02/2022 15:00	Simonne.V. Calhoun	03/03/2022 11:47	Shengyu Ding	2307596
	02/23/2022	03/02/2022 15:00	Simonne.V. Calhoun	03/04/2022 15:03	Sarah A Nixon	2307588
	02/23/2022	03/02/2022 15:00	Simonne.V. Calhoun	03/04/2022 15:10	Sarah A Nixon	2307589
	02/23/2022	03/02/2022 15:00	Simonne.V. Calhoun	03/04/2022 15:18	Sarah A Nixon	2307597
EPA 365.1 Rev. 2.0 dissolved	02/23/2022			02/23/2022 17:33	James L Waggeberby	2307591

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 365.1 Rev. 2.0 dissolved	02/23/2022			02/23/2022 17:37	James L Waggeberby	2307592
	02/23/2022			02/23/2022 17:38	James L Waggeberby	2307593
	02/23/2022			02/23/2022 17:39	James L Waggeberby	2307598
	02/23/2022			02/23/2022 17:44	James L Waggeberby	2307599
	02/23/2022			02/23/2022 17:45	James L Waggeberby	2307602
EPA 8270E	02/23/2022	02/24/2022 08:00	Fe-Val Siddell	03/03/2022 02:05	Vandana T. Nagar	2307614
	02/23/2022	02/24/2022 08:00	Fe-Val Siddell	03/09/2022 01:01	Vandana T. Nagar	2307614
EPA 8276	02/23/2022	02/24/2022 08:00	Fe-Val Siddell	02/26/2022 12:43	Arthur Maknenko	2307614
EPA 8321B	02/23/2022	02/23/2022 12:30	Umesh Chiluwal	02/23/2022 13:39	Manjita Shrestha	2307615
	02/23/2022	02/23/2022 12:30	Umesh Chiluwal	02/26/2022 09:04	Umesh Chiluwal	2307615
	02/23/2022	02/24/2022 09:00	June Rhew	02/26/2022 14:14	Juyoung Kim	2307615
SM 2320 B-2011	02/23/2022			03/04/2022 07:38	Dale L. Simmons	2307600
	02/23/2022			03/04/2022 08:19	Dale L. Simmons	2307585
	02/23/2022			03/04/2022 08:33	Dale L. Simmons	2307586
	02/23/2022			03/04/2022 08:46	Dale L. Simmons	2307587
	02/23/2022			03/04/2022 09:00	Dale L. Simmons	2307594
	02/23/2022			03/04/2022 09:14	Dale L. Simmons	2307595
SM 2540 D-2011	02/23/2022			02/28/2022 15:12	Yijie Li	2307585, 2307586, 2307587, 2307594, 2307595, 2307600
SM 4500 F-C-2011	02/23/2022			03/04/2022 03:48	Dale L. Simmons	2307600
	02/23/2022			03/04/2022 04:37	Dale L. Simmons	2307585
	02/23/2022			03/04/2022 04:43	Dale L. Simmons	2307586
	02/23/2022			03/04/2022 04:48	Dale L. Simmons	2307587
	02/23/2022			03/04/2022 04:53	Dale L. Simmons	2307594
	02/23/2022			03/04/2022 04:58	Dale L. Simmons	2307595
SM 5310 B-2011	02/23/2022			03/08/2022 17:26	Khloe J Berg	2307601
	02/23/2022			03/09/2022 07:47	Touraj Touran	2307596
	02/23/2022			03/09/2022 11:25	Touraj Touran	2307588
	02/23/2022			03/09/2022 12:34	Touraj Touran	2307589
	02/23/2022			03/09/2022 13:29	Touraj Touran	2307597
	02/23/2022			03/09/2022 13:45	Touraj Touran	2307590