

Chemical Analysis Report

TLH-ROC-2021-02-23-01

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

Event Description: **Run 6**
Request ID: **RQ-2021-02-22-37**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
Attn: Michael Eckles

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Certified by: Colin Wright, Program Administrator

Date Certified: 16-MAR-2021 09:41

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a white 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: 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: Moore Branch @ Cody Church Rd.

Collection Date/Time: 02/23/2021 09:15

Field ID: G1TLHR0041

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2226618	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P394121	
	EPA 300.0 Rev. 2.1	Chloride	5.2		mg Cl/L	P394241	
		Sulfate	1.2		mg SO4/L	P394243	
		Color (true)	64		PCU	P394123	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P394419	
	SM 2540 C-2011	TDS	33		mg/L	P394603	
	SM 2540 D-2011	TSS	2	U	mg/L	P394530	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P394357	
2226619	EPA 350.1 Rev. 2.0	Ammonia-N	0.005		mg N/L	P394303	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.30		mg N/L	P394206	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P394137	
	EPA 365.1 Rev. 2.0	Total-P	0.032		mg P/L	P394156	
	SM 5310 B-2011	Organic Carbon	7.5		mg C/L	P394725	
2226620	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.018		mg P/L	P394105	
2226629	EPA 8276	Chlordane	6.1	U	ng/L	P394192	
		Toxaphene	37	U	ng/L	P394192	

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: Field Blank

Collection Date/Time: 02/23/2021 09:25

Field ID: FB_022321

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2226630	EPA 8276	Chlordane	5.6	U	ng/L	P394192	
		Toxaphene	33	U	ng/L	P394192	

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P394121

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394241

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394243

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394303

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P394206

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P394137

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P394156

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P394105

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

Reference Method: EPA 8276
Batch ID: P394192

Component	Result	Code	Units
Chlordane	5.0	U	ng/L
Toxaphene	30	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 2120 B-2011
Batch ID: P394123

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-2011
Batch ID: P394419

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2540 C-2011
Batch ID: P394603

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P394530

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P394357

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P394725

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394241

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394243

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394303

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P394206

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P394137

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P394156

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P394105

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

Reference Method: EPA 8276
Batch ID: P394192

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	73.4	86.0	P/P	56 - 117
Toxaphene	91.9	107	P/P	45 - 116

Reference Method: SM 2120 B-2011
Batch ID: P394123

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.6		P	85 - 115

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P394419

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.7		P	93 - 104

Reference Method: SM 4500 F-C-2011
Batch ID: P394357

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.6		P	90 - 106

Reference Method: SM 5310 B-2011
Batch ID: P394725

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	94.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394241

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226363	Chloride	102		P	90 - 110
2226434	Chloride	103		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394243

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226363	Sulfate	100		P	90 - 110
2226434	Sulfate	107		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394303

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226973	Ammonia-N	96.8	97.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P394206

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226516	Kjeldahl Nitrogen	105	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P394137

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226499	NO2NO3-N	99.0	98.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P394156

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226499	Total-P	103	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P394105

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226523	O-Phosphate-P	96.3	96.2	P/P	90 - 110

Reference Method: EPA 8276
Batch ID: P394192

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226629	Chlordane	111	125	P/P	47 - 128
2226629	Toxaphene	133	159	P/P	11 - 163

Reference Method: SM 4500 F-C-2011
Batch ID: P394357

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226434	Fluoride	101	102	P/P	94 - 107

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P394725

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2226984	Organic Carbon	94.5	93.2	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P394121

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226529	Turbidity	1.64	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394241

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226434	Chloride	2.07	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P394243

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226434	Sulfate	2.38	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394303

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226973	Ammonia-N	0.752	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P394206

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226516	Kjeldahl Nitrogen	1.89	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P394137

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226499	NO2NO3-N	0.506	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P394156

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226499	Total-P	1.38	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P394105

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226523	O-Phosphate-P	0.0823	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P394192

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226629	Chlordane	11.3	Spike	P	0 - 30
2226629	Toxaphene	17.8	Spike	P	0 - 30
LFB	Chlordane	15.8	LCS	P	0 - 30
LFB	Toxaphene	15.0	LCS	P	0 - 30

Reference Method: SM 2120 B-2011
Batch ID: P394123

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226434	Color (true)	0.720	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P394419

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226443	Total Alkalinity	2.25	Sample	P	0 - 8.1

Reference Method: SM 2540 C-2011
Batch ID: P394603

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226437	TDS	3.51	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P394357

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226434	Fluoride	0.953	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
Batch ID: P394725

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2226984	Organic Carbon	0.998	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2226629
Field Sample ID: G1TLHR0041

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	78.8	P	29 - 92.0
EPA 8276	PCNB	93.8	P	43 - 134

Lab Sample ID: 2226630
Field Sample ID: FB_022321

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	57.2	P	29 - 92.0
EPA 8276	PCNB	75.3	P	43 - 134

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A103726

Included Lab Sample IDs: 2226620

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.0	98.2	P/P	90 - 110

Reference Method: SM 2120 B-2011

Run ID: A103729

Included Lab Sample IDs: 2226618

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	101	P/P	90 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A103730

Included Lab Sample IDs: 2226618

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A103736

Included Lab Sample IDs: 2226619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	99.0	99.5	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A103737

Included Lab Sample IDs: 2226618

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	100	P/P	90 - 110
Sulfate	100	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A103767

Included Lab Sample IDs: 2226619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.2	98.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A103798

Included Lab Sample IDs: 2226619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.0	96.3	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A103810

Included Lab Sample IDs: 2226619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.9	98.8	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8276

Run ID: A103833

Included Lab Sample IDs: 2226629, 2226630

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	95.9		P	80 - 120
Toxaphene	96.2		P	80 - 120

Reference Method: SM 4500 F-C-2011

Run ID: A103840

Included Lab Sample IDs: 2226618

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

Reference Method: SM 2320 B-2011

Run ID: A103855

Included Lab Sample IDs: 2226618

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	90.7	93.3	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A103983

Included Lab Sample IDs: 2226619

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.2	95.6	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	MS
							SMP	
EPA 180.1 Rev. 2.0	Turbidity						1.64	
EPA 300.0 Rev. 2.1	Chloride	102		103	102		2.07	
	Sulfate	101		107	100		2.38	
EPA 350.1 Rev. 2.0	Ammonia-N	97.6		96.8	97.8			0.752
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104		105	101			1.89
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	99.5		99.0	98.5			0.506
EPA 365.1 Rev. 2.0	Total-P	103		103	102			1.38
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	100		96.3	96.2			0.0823
EPA 8276	Chlordane	73.4	86.0	111	125	15.8		11.3
	Toxaphene	91.9	107	133	159	15.0		17.8
SM 2120 B-2011	Color (true)	98.6					0.720	
SM 2320 B-2011	Total Alkalinity	94.7					2.25	
SM 2540 C-2011	TDS						3.51	
SM 4500 F-C-2011	Fluoride	98.6		101	102			0.953
SM 5310 B-2011	Organic Carbon	94.8		94.5	93.2			0.998

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2226618
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2226618
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2226618
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2226619
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2226619
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2226619
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2226619
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2226620
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2226629, 2226630
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2226618
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2226618
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2226618
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2226618
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2226618
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2226619

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	02/23/2021			02/23/2021 15:14	Yen Ta	2226618
EPA 300.0 Rev. 2.1	02/23/2021			02/25/2021 01:09	Lipi Saha	2226618
EPA 350.1 Rev. 2.0	02/23/2021			02/28/2021 12:28	Ping Hua	2226619
EPA 351.2 Rev. 2.0	02/23/2021	02/25/2021 12:02	Yen Ta	02/26/2021 12:57	Virginia P. Brown	2226619
EPA 353.2 Rev. 2.0	02/23/2021			02/24/2021 09:27	Beverly Y. Sanders	2226619
EPA 365.1 Rev. 2.0	02/23/2021	02/24/2021 11:30	Shengyu Wang	02/25/2021 12:50	Shengyu Wang	2226619
EPA 365.1 Rev. 2.0 dissolved	02/23/2021			02/23/2021 14:29	Lipi Saha	2226620
EPA 8276	02/23/2021	02/24/2021 11:00	Fe-Val Siddell	03/02/2021 05:58	Arthur Maknenko	2226629
	02/23/2021	02/24/2021 11:00	Fe-Val Siddell	03/02/2021 08:44	Arthur Maknenko	2226630
SM 2120 B-2011	02/23/2021			02/23/2021 16:28	Benjamin T. Nordmann	2226618
SM 2320 B-2011	02/23/2021			03/02/2021 14:42	Dale L. Simmons	2226618
SM 2540 C-2011	02/23/2021			02/26/2021 14:36	Yijie Li	2226618
SM 2540 D-2011	02/23/2021			02/26/2021 14:36	Yijie Li	2226618
SM 4500 F-C-2011	02/23/2021			02/25/2021 04:44	Dale L. Simmons	2226618
SM 5310 B-2011	02/23/2021			03/10/2021 00:29	Madeline Gruver	2226619