

Chemical Analysis Report

TLH-ROC-2020-10-26-01

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

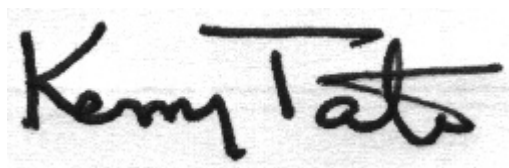
Event Description: **Run 5**
Request ID: **RQ-2020-08-24-40**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
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Tallahassee, FL 32399
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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 17-NOV-2020 13:01

A handwritten signature in black ink that reads "Kerry Tate". The signature is written in a cursive, flowing style with a horizontal line above the first name.

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 group are included in this report: Nutrients.

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: Marshall Creek @ Sr2

Collection Date/Time: 10/26/2020 12:00

Field ID: G2TLHR0007

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2204724	EPA 180.1 Rev. 2.0	Turbidity	8.7	A	NTU	P389349	
	EPA 300.0 Rev. 2.1	Chloride	6.1		mg Cl/L	P389803	
		Sulfate	0.68		mg SO4/L	P389806	
	SM 2120 B-2011	Color (true)	76	A	PCU	P389354	
	SM 2320 B-2011	Total Alkalinity	69		mg CaCO3/L	P389619	
	SM 2540 C-2011	TDS	92		mg/L	P389854	
	SM 2540 D-2011	TSS	4	I	mg/L	P389869	
	SM 4500 F-C-2011	Fluoride	0.040	I	mg F/L	P389623	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.023		mg N/L	P389577	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.48		mg N/L	P389630	
2204726	EPA 353.2 Rev. 2.0	NO2NO3-N	0.12		mg N/L	P389368	
	EPA 365.1 Rev. 2.0	Total-P	0.055		mg P/L	P389509	
	SM 5310 B-2011	Organic Carbon	7.1		mg C/L	P389443	
	EPA 365.1 Rev. 2.0	O-Phosphate-P	0.021		mg P/L	P389358	
	dissolved						

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: Little Creek @ Ezell Rd

Collection Date/Time: 10/26/2020 11:10

Field ID: G3TLHR0003

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2204725	EPA 180.1 Rev. 2.0	Turbidity	3.2		NTU	P389349	
	EPA 300.0 Rev. 2.1	Chloride	6.7		mg Cl/L	P389803	
		Sulfate	0.64		mg SO4/L	P389806	
	SM 2120 B-2011	Color (true)	16		PCU	P389354	
	SM 2320 B-2011	Total Alkalinity	141		mg CaCO3/L	P389619	
	SM 2540 C-2011	TDS	150		mg/L	P389854	
	SM 2540 D-2011	TSS	2	I	mg/L	P389869	
2204727	SM 4500 F-C-2011	Fluoride	0.038	I	mg F/L	P389623	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.035		mg N/L	P389579	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.21		mg N/L	P389631	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.21		mg N/L	P389368	
	EPA 365.1 Rev. 2.0	Total-P	0.060		mg P/L	P389509	
	SM 5310 B-2011	Organic Carbon	2.0		mg C/L	P389443	
2204729	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.030		mg P/L	P389358	

Ref. Method and Comment:

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

EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P389349

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389803

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389806

Component	Result	Code	Units
Sulfate	0.20	U	mg SO ₄ /L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389577

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389579

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389630

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389631

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389368

Component	Result	Code	Units
NO ₂ NO ₃ -N	0.004	U	mg N/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389509

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389358

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

Reference Method: SM 2120 B-2011
Batch ID: P389354

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-2011
Batch ID: P389619

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

Reference Method: SM 2540 C-2011
Batch ID: P389854

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P389869

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P389623

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P389443

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: P389803

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	99.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389806

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	99.3		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389577

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389579

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389630

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389631

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389368

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389509

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	109		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389358

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2120 B-2011
Batch ID: P389354

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.8		P	85 - 115

Reference Method: SM 2320 B-2011
Batch ID: P389619

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.2		P	93 - 104

Reference Method: SM 4500 F-C-2011
Batch ID: P389623

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.5		P	90 - 106

Reference Method: SM 5310 B-2011
Batch ID: P389443

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389803

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204621	Chloride	98.8		P	90 - 110
2204770	Chloride	98.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389806

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204621	Sulfate	98.5		P	90 - 110
2204770	Sulfate	98.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389577

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204726	Ammonia-N	103	103	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389579

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204727	Ammonia-N	104	104	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389630

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204630	Kjeldahl Nitrogen	109	110	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389368

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204719	NO2NO3-N	99.0	97.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389509

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204399	Total-P	106	107	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389358

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204728	O-Phosphate-P	99.9	98.8	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P389623

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204776	Fluoride	102	102	P/P	94 - 107

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P389443

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204622	Organic Carbon	98.6	99.4	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P389349

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204724	Turbidity	0.346	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389803

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204621	Chloride	0.759	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389806

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204621	Sulfate	0.782	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389577

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204726	Ammonia-N	0.310	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389579

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204727	Ammonia-N	0.212	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389630

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204630	Kjeldahl Nitrogen	0.643	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389631

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204835	Kjeldahl Nitrogen	3.55	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389368

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204719	NO2NO3-N	1.53	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389509

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204399	Total-P	0.278	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389358

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204728	O-Phosphate-P	0.911	Spike	P	0 - 20

Reference Method: SM 2120 B-2011
Batch ID: P389354

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204724	Color (true)	2.24	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P389619

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204776	Total Alkalinity	1.12	Sample	P	0 - 8.1

Reference Method: SM 2540 C-2011
Batch ID: P389854

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204718	TDS	1.46	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P389623

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204776	Fluoride	0.477	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
Batch ID: P389443

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204622	Organic Carbon	0.728	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A101802

Included Lab Sample IDs: 2204724, 2204725

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	99.5	P/P	95 - 105

Reference Method: SM 2120 B-2011

Run ID: A101804

Included Lab Sample IDs: 2204724, 2204725

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	101	P/P	90 - 115

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A101806

Included Lab Sample IDs: 2204728, 2204729

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	99.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A101812

Included Lab Sample IDs: 2204726, 2204727

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	100	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A101846

Included Lab Sample IDs: 2204726, 2204727

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.4	98.0	P/P	90 - 110
Organic Carbon	98.8	97.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A101890

Included Lab Sample IDs: 2204726, 2204727

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	103	103	P/P	90 - 110
Ammonia-N	104	104	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A101910

Included Lab Sample IDs: 2204724, 2204725

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	97.6	97.7	P/P	90 - 110
Total Alkalinity	99.1	97.6	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 4500 F-C-2011

Run ID: A101910

Included Lab Sample IDs: 2204724, 2204725

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A101924

Included Lab Sample IDs: 2204726, 2204727

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A101932

Included Lab Sample IDs: 2204726

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	107	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A101941

Included Lab Sample IDs: 2204727

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	103	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A101949

Included Lab Sample IDs: 2204724, 2204725

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.4	99.2	P/P	90 - 110
Sulfate	98.3	98.2	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		Precision SMP	MS
					LCS	
EPA 180.1 Rev. 2.0	Turbidity				0.346	
EPA 300.0 Rev. 2.1	Chloride	99.7	98.8	98.9	0.759	
	Sulfate	99.3	98.5	98.9	0.782	
EPA 350.1 Rev. 2.0	Ammonia-N	103	103	103		0.310
	Ammonia-N	101	104	104		0.212
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	106	109	110		0.643
	Kjeldahl Nitrogen	106				3.55
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	99.0	99.0	97.5		1.53
EPA 365.1 Rev. 2.0	Total-P	109	106	107		0.278
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.1	99.9	98.8		0.911
SM 2120 B-2011	Color (true)	99.8			2.24	
SM 2320 B-2011	Total Alkalinity	99.2			1.12	
SM 2540 C-2011	TDS				1.46	
SM 4500 F-C-2011	Fluoride	97.5	102	102		0.477
SM 5310 B-2011	Organic Carbon	99.4	98.6	99.4		0.728

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2204724, 2204725
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2204724, 2204725
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2204724, 2204725
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2204726, 2204727
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2204726, 2204727
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2204726, 2204727
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2204726, 2204727
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2204728, 2204729
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2204724, 2204725
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2204724, 2204725
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2204724, 2204725
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2204724, 2204725
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2204724, 2204725
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2204726, 2204727

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	10/26/2020			10/27/2020 15:30	Yen Ta	2204724, 2204725
EPA 300.0 Rev. 2.1	10/26/2020			11/04/2020 18:01	Lipi Saha	2204724
	10/26/2020			11/04/2020 18:15	Lipi Saha	2204725
EPA 350.1 Rev. 2.0	10/26/2020			10/31/2020 13:57	Ping Hua	2204726
	10/26/2020			10/31/2020 14:57	Ping Hua	2204727
EPA 351.2 Rev. 2.0	10/26/2020	11/02/2020 13:30	David Boose	11/03/2020 14:37	Elliott Rodriguez	2204726
	10/26/2020	11/02/2020 13:30	David Boose	11/03/2020 16:12	Elliott Rodriguez	2204727
EPA 353.2 Rev. 2.0	10/26/2020			10/28/2020 09:25	Beverly Y. Sanders	2204726
	10/26/2020			10/28/2020 09:26	Beverly Y. Sanders	2204727
EPA 365.1 Rev. 2.0	10/26/2020	10/29/2020 15:54	Yen Ta	11/02/2020 12:51	Benjamin T. Nordmann	2204726
	10/26/2020	10/29/2020 15:54	Yen Ta	11/02/2020 12:52	Benjamin T. Nordmann	2204727
EPA 365.1 Rev. 2.0 dissolved	10/26/2020			10/27/2020 15:58	Blanca Fach	2204728
	10/26/2020			10/27/2020 16:02	Blanca Fach	2204729
SM 2120 B-2011	10/26/2020			10/27/2020 16:24	Benjamin T. Nordmann	2204724, 2204725
SM 2320 B-2011	10/26/2020			10/31/2020 00:51	Samantha Davila	2204725
	10/26/2020			10/31/2020 02:29	Samantha Davila	2204724
SM 2540 C-2011	10/26/2020			10/29/2020 15:08	Yijie Li	2204724, 2204725
SM 2540 D-2011	10/26/2020			10/29/2020 15:08	Yijie Li	2204724, 2204725
SM 4500 F-C-2011	10/26/2020			10/31/2020 00:51	Samantha Davila	2204725
	10/26/2020			10/31/2020 02:29	Samantha Davila	2204724
SM 5310 B-2011	10/26/2020			10/28/2020 19:32	Touraj Touran	2204726
	10/26/2020			10/28/2020 20:09	Touraj Touran	2204727