

Chemical Analysis Report

NE-DIST-2020-10-22-01

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

Event Description: **Nassau West 1**
Request ID: **RQ-2020-10-19-34**
Customer: **NE-DIST**
Project ID: **SMP**

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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 13-NOV-2020 15:41

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: Deep Creek at Cr 121

Collection Date/Time: 10/21/2020 10:30

Field ID: 19010048

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2204140	EPA 180.1 Rev. 2.0	Turbidity	5.6	A	NTU	P389132	
	EPA 300.0 Rev. 2.1	Chloride	8.6		mg Cl/L	P389473	
		Sulfate	0.27	I	mg SO4/L	P389476	
	SM 2120 B-2011	Color (true)	590		PCU	P389101	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P389230	
	SM 2540 C-2011	TDS	96		mg/L	P389605	
	SM 2540 D-2011	TSS	2	U	mg/L	P389602	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P389236	
2204142	EPA 350.1 Rev. 2.0	Ammonia-N	0.054		mg N/L	P389212	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P389731	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P389249	
	EPA 365.1 Rev. 2.0	Total-P	0.036		mg P/L	P389507	
	SM 5310 B-2011	Organic Carbon	37		mg C/L	P389222	
2204144	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.013		mg P/L	P389120	

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: Unnamed Stream @ Cr 121

Collection Date/Time: 10/21/2020 10:45

Field ID: 19010127

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2204141	EPA 180.1 Rev. 2.0	Turbidity	1.8		NTU	P389132	
	EPA 300.0 Rev. 2.1	Chloride	9.2		mg Cl/L	P389473	
		Sulfate	0.35	I	mg SO4/L	P389476	
	SM 2120 B-2011	Color (true)	340		PCU	P389101	
	SM 2320 B-2011	Total Alkalinity	0.87	I	mg CaCO3/L	P389230	
	SM 2540 C-2011	TDS	102		mg/L	P389605	
	SM 2540 D-2011	TSS	3	I	mg/L	P389602	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P389236	
2204143	EPA 350.1 Rev. 2.0	Ammonia-N	0.028		mg N/L	P389212	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.93		mg N/L	P389731	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P389249	
	EPA 365.1 Rev. 2.0	Total-P	0.033		mg P/L	P389507	
	SM 5310 B-2011	Organic Carbon	30		mg C/L	P389296	
2204145	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	I	mg P/L	P389120	

Ref. Method and Comment:

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P389132

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389473

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389476

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389212

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389731

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389249

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389507

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389120

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

Reference Method: SM 2120 B-2011
Batch ID: P389101

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Quality Assurance Report Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P389230

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

Reference Method: SM 2540 C-2011
Batch ID: P389605

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P389602

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P389236

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P389222

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

Reference Method: SM 5310 B-2011
Batch ID: P389296

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: P389473

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389476

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389212

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.1		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389731

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389249

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: P389507

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389120

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	97.4		P	90 - 110

Reference Method: SM 2120 B-2011
Batch ID: P389101

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	101		P	85 - 115

Reference Method: SM 2320 B-2011
Batch ID: P389230

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	93 - 104

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-2011
Batch ID: P389236

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.6		P	90 - 106

Reference Method: SM 5310 B-2011
Batch ID: P389222

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	102		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P389296

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	100		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389473

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204000	Chloride	101		P	90 - 110
2204104	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389476

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204000	Sulfate	102		P	90 - 110
2204104	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389212

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204244	Ammonia-N	98.7	97.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389731

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2205513	Kjeldahl Nitrogen	100	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389249

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204010	NO2NO3-N	97.8		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389507

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204124	Total-P	104	107	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389120

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204107	O-Phosphate-P	94.8	94.8	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P389236

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204041	Fluoride	99.7	98.0	P/P	94 - 107

Reference Method: SM 5310 B-2011
Batch ID: P389222

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2203987	Organic Carbon	101	101	P/P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P389296

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2204495	Organic Carbon	106		P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P389132

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204140	Turbidity	3.22	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389473

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204104	Chloride	0.0268	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P389476

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204104	Sulfate	0.388	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389212

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204244	Ammonia-N	0.705	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389731

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2205513	Kjeldahl Nitrogen	2.60	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389249

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204010	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389507

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204124	Total-P	2.63	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389120

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204107	O-Phosphate-P	0.0	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2120 B-2011
 Batch ID: P389101

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204103	Color (true)	0.462	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
 Batch ID: P389230

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204041	Total Alkalinity	5.18	Sample	P	0 - 8.1

Reference Method: SM 2540 C-2011
 Batch ID: P389605

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204242	TDS	1.04	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
 Batch ID: P389236

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204041	Fluoride	1.50	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
 Batch ID: P389222

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2203987	Organic Carbon	0.222	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
 Batch ID: P389296

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2204495	Organic Carbon	1.42	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B-2011

Run ID: A101692

Included Lab Sample IDs: 2204140, 2204141

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	103	104	P/P	90 - 115

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A101695

Included Lab Sample IDs: 2204144, 2204145

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.3	99.4	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A101705

Included Lab Sample IDs: 2204140, 2204141

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.0	99.5	P/P	95 - 105

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A101740

Included Lab Sample IDs: 2204142, 2204143

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.0	98.2	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A101747

Included Lab Sample IDs: 2204142

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	101	99.6	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A101749

Included Lab Sample IDs: 2204140, 2204141

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.3	102	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A101749

Included Lab Sample IDs: 2204140, 2204141

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A101763

Included Lab Sample IDs: 2204142, 2204143

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

Quality Assurance Report Calibration Verification

Reference Method: SM 5310 B-2011

Run ID: A101781

Included Lab Sample IDs: 2204143

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A101798

Included Lab Sample IDs: 2204140, 2204141

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A101926

Included Lab Sample IDs: 2204142, 2204143

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	96.0	96.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A102025

Included Lab Sample IDs: 2204142, 2204143

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.3	102	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					3.22	
EPA 300.0 Rev. 2.1	Chloride	101	100	101		0.0268	
	Sulfate	101	101	102		0.388	
EPA 350.1 Rev. 2.0	Ammonia-N	97.1	98.7	97.8			0.705
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	100	105			2.60
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	99.5	97.8				0.0
EPA 365.1 Rev. 2.0	Total-P	107	104	107			2.63
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.4	94.8	94.8			0.0
SM 2120 B-2011	Color (true)	101				0.462	
SM 2320 B-2011	Total Alkalinity	102				5.18	
SM 2540 C-2011	TDS					1.04	
SM 4500 F-C-2011	Fluoride	97.6	99.7	98.0			1.50
SM 5310 B-2011	Organic Carbon	102	101	101			0.222
	Organic Carbon	100	106				1.42

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2204140, 2204141
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2204140, 2204141
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2204140, 2204141
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2204142, 2204143
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2204142, 2204143
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2204142, 2204143
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2204142, 2204143
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2204144, 2204145
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2204140, 2204141
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2204140, 2204141
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2204140, 2204141
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2204140, 2204141
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2204140, 2204141
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2204142, 2204143

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	10/22/2020			10/22/2020 13:37	Blanca Fach	2204140, 2204141
EPA 300.0 Rev. 2.1	10/22/2020			10/28/2020 18:58	Lipi Saha	2204140
	10/22/2020			10/28/2020 19:11	Lipi Saha	2204141
EPA 350.1 Rev. 2.0	10/22/2020			10/25/2020 12:43	Ping Hua	2204142
	10/22/2020			10/25/2020 12:45	Ping Hua	2204143
EPA 351.2 Rev. 2.0	10/22/2020	11/04/2020 15:00	David Boose	11/05/2020 12:15	Elliott Rodriguez	2204142
	10/22/2020	11/04/2020 15:00	David Boose	11/05/2020 12:17	Elliott Rodriguez	2204143
EPA 353.2 Rev. 2.0	10/22/2020			10/26/2020 11:15	Beverly Y. Sanders	2204142
	10/22/2020			10/26/2020 11:17	Beverly Y. Sanders	2204143
EPA 365.1 Rev. 2.0	10/22/2020	10/29/2020 15:54	Yen Ta	11/03/2020 13:19	Shengyu Wang	2204142
	10/22/2020	10/29/2020 15:54	Yen Ta	11/03/2020 13:20	Shengyu Wang	2204143
EPA 365.1 Rev. 2.0 dissolved	10/22/2020			10/22/2020 15:44	Virginia P. Brown	2204144
	10/22/2020			10/22/2020 15:45	Virginia P. Brown	2204145
SM 2120 B-2011	10/22/2020			10/22/2020 15:14	Benjamin T. Nordmann	2204140
	10/22/2020			10/22/2020 15:15	Benjamin T. Nordmann	2204141
SM 2320 B-2011	10/22/2020			10/24/2020 05:17	Samantha Davila	2204140
	10/22/2020			10/24/2020 05:27	Samantha Davila	2204141
SM 2540 C-2011	10/22/2020			10/23/2020 17:40	Madeline Gruver	2204140, 2204141
SM 2540 D-2011	10/22/2020			10/27/2020 19:45	Madeline Gruver	2204140, 2204141
SM 4500 F-C-2011	10/22/2020			10/24/2020 05:17	Samantha Davila	2204140
	10/22/2020			10/24/2020 05:27	Samantha Davila	2204141
SM 5310 B-2011	10/22/2020			10/24/2020 03:46	Lauren Lees	2204142
	10/22/2020			10/26/2020 16:52	Lauren Lees	2204143