

Chemical Analysis Report

NE-DIST-2019-04-26-02

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

Event Description: **Suwannee North**
Request ID: **RQ-2019-04-22-13**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
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8800 Baymeadows Way West
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Certified by: Liang Lin, Environmental Administrator

Date Certified: 13-MAY-2019 15:47

A handwritten signature in black ink, appearing to read "Liang Lin", is shown on a light-colored 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 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: LITTLE CREEK AT US 441

Collection Date/Time: 04/25/2019 10:15

Field ID: 21010033

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2081410	EPA 180.1 Rev. 2.0	Turbidity	2.0		NTU	P362941	
	EPA 300.0 Rev. 2.1	Chloride	7.4		mg Cl/L	P363392	
		Sulfate	0.45	I	mg SO4/L	P363394	
	SM 2120 B	Color (true)	370		PCU	P362956	
	SM 2320 B-97	Total Alkalinity	8.7		mg CaCO3/L	P363361	
	SM 2540 C-97	TDS	105		mg/L	P363475	
	SM 2540 D-97	TSS	2	I	mg/L	P363418	
	SM 4500 F-C-97	Fluoride	0.13		mg F/L	P363555	
2081411	EPA 350.1 Rev. 2.0	Ammonia-N	0.037		mg N/L	P363034	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.97		mg N/L	P363190	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.013		mg N/L	P363079	
	EPA 365.1 Rev. 2.0	Total-P	0.28		mg P/L	P363174	
	SM 5310 B-00	Organic Carbon	37		mg C/L	P363084	
2081412	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.23		mg P/L	P362932	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: PEACOCK LAKE CENTER

Collection Date/Time: 04/25/2019 11:35

Field ID: 21020097

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2081407	EPA 180.1 Rev. 2.0	Turbidity	1.6		NTU	P362941	
	EPA 300.0 Rev. 2.1	Chloride	6.8		mg Cl/L	P363392	
		Sulfate	3.3		mg SO4/L	P363394	
	SM 2120 B	Color (true)	69		PCU	P362955	
	SM 2320 B-97	Total Alkalinity	7.9		mg CaCO3/L	P363361	
	SM 2540 C-97	TDS	47		mg/L	P363475	
	SM 2540 D-97	TSS	2	I	mg/L	P363418	
	SM 4500 F-C-97	Fluoride	0.10		mg F/L	P363555	
2081408	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P363034	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.76		mg N/L	P363190	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P363079	
	EPA 365.1 Rev. 2.0	Total-P	0.15		mg P/L	P363174	
	SM 5310 B-00	Organic Carbon	9.7		mg C/L	P363084	
2081409	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.086		mg P/L	P362932	

Ref. Method and Comment:

SM 2540 D-97: 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: P362941

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P363392

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P363394

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P363034

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P363190

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P363079

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P363174

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P362932

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

Reference Method: SM 2120 B
Batch ID: P362955

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Quality Assurance Report Method Blank Results

Reference Method: SM 2120 B
Batch ID: P362956

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97
Batch ID: P363361

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

Reference Method: SM 2540 C-97
Batch ID: P363475

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P363418

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P363555

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P363084

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: P363392

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P363394

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P363034

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P363190

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: P363079

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P363174

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P362932

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	96.6		P	90 - 110

Reference Method: SM 2120 B
Batch ID: P362955

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.0		P	85 - 115

Reference Method: SM 2120 B
Batch ID: P362956

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	97.9		P	85 - 115

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-97
Batch ID: P363361

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	98 - 106

Reference Method: SM 4500 F-C-97
Batch ID: P363555

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	96.5		P	92 - 103

Reference Method: SM 5310 B-00
Batch ID: P363084

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	99.2		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P363392

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081350	Chloride	100		P	90 - 110
2081699	Chloride	95.6		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P363394

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081350	Sulfate	101		P	90 - 110
2081699	Sulfate	98.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P363034

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081415	Ammonia-N	101	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P363190

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081265	Kjeldahl Nitrogen	105	108	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P363079

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081351	NO2NO3-N	98.0	98.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P363174

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081415	Total-P	102	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P362932

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081267	O-Phosphate-P	93.7	95.6	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P363555

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081358	Fluoride	97.3	97.3	P/P	89 - 106

Reference Method: SM 5310 B-00
Batch ID: P363084

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2081062	Organic Carbon	101	101	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
 Batch ID: P362941

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081287	Turbidity	3.25	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P363392

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081699	Chloride	0.350	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P363394

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081699	Sulfate	0.344	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P363034

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081415	Ammonia-N	0.470	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P363190

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081265	Kjeldahl Nitrogen	1.77	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P363079

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081351	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P363174

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081415	Total-P	1.04	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P362932

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081267	O-Phosphate-P	1.60	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2120 B
 Batch ID: P362955

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2079086	Color (true)	0.563	Sample	P	0 - 20

Reference Method: SM 2120 B
 Batch ID: P362956

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081414	Color (true)	1.72	Sample	P	0 - 20

Reference Method: SM 2320 B-97
 Batch ID: P363361

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081358	Total Alkalinity	0.293	Sample	P	0 - 2.8

Reference Method: SM 2540 C-97
 Batch ID: P363475

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081358	TDS	0.522	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
 Batch ID: P363555

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081358	Fluoride	0.0	Spike	P	0 - 2.5

Reference Method: SM 5310 B-00
 Batch ID: P363084

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2081062	Organic Carbon	0.0826	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
 Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A91040

Included Lab Sample IDs: 2081409, 2081412

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.1	96.5	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A91042

Included Lab Sample IDs: 2081407, 2081410

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

Reference Method: SM 2120 B

Run ID: A91047

Included Lab Sample IDs: 2081407, 2081410

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.3	99.9	P/P	90 - 115
Color (true)	99.9	101	P/P	90 - 115

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A91070

Included Lab Sample IDs: 2081408, 2081411

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A91088

Included Lab Sample IDs: 2081408, 2081411

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	103	95.5	P/P	90 - 110

Reference Method: SM 5310 B-00

Run ID: A91089

Included Lab Sample IDs: 2081408, 2081411

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A91105

Included Lab Sample IDs: 2081407, 2081410

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A91155

Included Lab Sample IDs: 2081408, 2081411

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A91155

Included Lab Sample IDs: 2081408, 2081411

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	103	104	P/P	90 - 110
Total-P	104	100	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A91204

Included Lab Sample IDs: 2081407, 2081410

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A91251

Included Lab Sample IDs: 2081408, 2081411

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	104	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A91266

Included Lab Sample IDs: 2081407, 2081410

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	97.6	98.1	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					3.25	
EPA 300.0 Rev. 2.1	Chloride	99.5	95.6	100		0.350	
	Sulfate	101	98.6	101		0.344	
EPA 350.1 Rev. 2.0	Ammonia-N	102	101	101			0.470
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	105	108			1.77
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	104	98.0	98.0			0.0
EPA 365.1 Rev. 2.0	Total-P	99.9	102	101			1.04
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	96.6	93.7	95.6			1.60
SM 2120 B	Color (true)	98.0				0.563	
	Color (true)	97.9				1.72	
SM 2320 B-97	Total Alkalinity	102				0.293	
SM 2540 C-97	TDS					0.522	
SM 4500 F-C-97	Fluoride	96.5	97.3	97.3			0.0
SM 5310 B-00	Organic Carbon	99.2	101	101			0.0826

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	2081407, 2081410
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	2081407, 2081410
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	2081407, 2081410
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	2081408, 2081411
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	2081408, 2081411
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	2081408, 2081411
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	2081408, 2081411
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2081409, 2081412
SM 2120 B / E31780	True Color measured at 450 nm	2081407, 2081410
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2081407, 2081410
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	2081407, 2081410
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2081407, 2081410
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2081407, 2081410
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	2081408, 2081411

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	04/26/2019			04/26/2019 16:11	Adrian Shelby	2081407, 2081410
EPA 300.0 Rev. 2.1	04/26/2019			05/02/2019 16:11	Lipi Saha	2081407
	04/26/2019			05/02/2019 16:23	Lipi Saha	2081410
EPA 350.1 Rev. 2.0	04/26/2019			04/26/2019 14:14	Ping Hua	2081408
	04/26/2019			04/26/2019 14:15	Ping Hua	2081411
EPA 351.2 Rev. 2.0	04/26/2019	05/01/2019 11:45	Adrian Shelby	05/07/2019 09:30	Joseph Suarez	2081408
	04/26/2019	05/01/2019 11:45	Adrian Shelby	05/07/2019 09:31	Joseph Suarez	2081411
EPA 353.2 Rev. 2.0	04/26/2019			04/30/2019 11:06	Beverly Y. Sanders	2081408
	04/26/2019			04/30/2019 11:07	Beverly Y. Sanders	2081411
EPA 365.1 Rev. 2.0	04/26/2019	05/01/2019 14:25	Sima Feizi	05/02/2019 09:45	Rosalyn Ballman	2081408
	04/26/2019	05/01/2019 14:25	Sima Feizi	05/02/2019 09:48	Rosalyn Ballman	2081411
EPA 365.1 Rev. 2.0 dissolved	04/26/2019			04/26/2019 15:20	Jhamieka S. Greenwood	2081412
	04/26/2019			04/26/2019 15:21	Jhamieka S. Greenwood	2081409
SM 2120 B	04/26/2019			04/26/2019 15:59	Blanca Fach	2081407
	04/26/2019			04/26/2019 16:09	Blanca Fach	2081410
SM 2320 B-97	04/26/2019			05/04/2019 16:03	Samantha Davila	2081407
	04/26/2019			05/04/2019 16:14	Samantha Davila	2081410
SM 2540 C-97	04/26/2019			05/01/2019 14:56	Yijie Li	2081407, 2081410
SM 2540 D-97	04/26/2019			05/01/2019 14:56	Yijie Li	2081407, 2081410
SM 4500 F-C-97	04/26/2019			05/07/2019 18:46	Dale L. Simmons	2081407
	04/26/2019			05/07/2019 18:51	Dale L. Simmons	2081410
SM 5310 B-00	04/26/2019			04/30/2019 05:36	Julia Storbeck	2081408
	04/26/2019			04/30/2019 05:50	Julia Storbeck	2081411