

Chemical Analysis Report

SE-DIST-2022-06-10-01

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

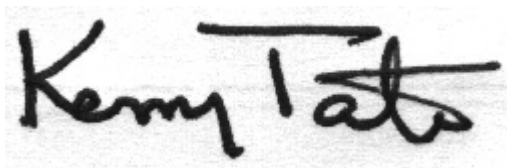
Event Description: **Micco Valkaria**
Request ID: **RQ-2022-06-06-54**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
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Fort Pierce, FL 34945
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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 01-JUL-2022 13:04

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 few letters.

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: C-40 Six Mile Marsh

Collection Date/Time: 06/09/2022 09:00

Field ID: G3SE0055

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2333684	DEP SOP: NU-094-1	Color (true)**	160		PCU	P415060	
	EPA 180.1 Rev. 2.0	Turbidity	6.8		NTU	P415059	
	EPA 300.0 Rev. 2.1	Chloride	47		mg Cl/L	P415412	
		Sulfate	1.9		mg SO4/L	P415417	
	SM 2320 B-2011	Total Alkalinity	52		mg CaCO3/L	P415496	
	SM 2540 C-2011	TDS	206	A	mg/L	P415491	
	SM 2540 D-2011	TSS	9	IA	mg/L	P415430	
	SM 4500-F- C-2011	Fluoride	0.10		mg F/L	P415752	
2333685	EPA 350.1 Rev. 2.0	Ammonia-N	0.15		mg N/L	P415585	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	2.1		mg N/L	P415163	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.13		mg N/L	P415855	
	EPA 365.1 Rev. 2.0	Total-P	0.25		mg P/L	P415186	
	SM 5310 B-2011	Organic Carbon	31		mg C/L	P415144	

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: Goat Creek @ Gradick

Collection Date/Time: 06/09/2022 10:15

Field ID: G5SE0080

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2333686	DEP SOP: NU-094-1	Color (true)**	130	A	PCU	P415060	
	EPA 180.1 Rev. 2.0	Turbidity	11		NTU	P415059	
	EPA 300.0 Rev. 2.1	Chloride	150		mg Cl/L	P415412	
		Sulfate	40		mg SO4/L	P415417	
	SM 2320 B-2011	Total Alkalinity	67		mg CaCO3/L	P415496	
	SM 2540 C-2011	TDS	433		mg/L	P415491	
	SM 2540 D-2011	TSS	11		mg/L	P415430	
	SM 4500-F- C-2011	Fluoride	0.14		mg F/L	P415752	
2333687	EPA 350.1 Rev. 2.0	Ammonia-N	0.054		mg N/L	P415585	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P415163	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.072		mg N/L	P415855	
	EPA 365.1 Rev. 2.0	Total-P	0.12		mg P/L	P415186	
	SM 5310 B-2011	Organic Carbon	19		mg C/L	P415144	
2333688	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.042		mg P/L	P415057	

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: DEP SOP: NU-094-1
Batch ID: P415060

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P415059

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415412

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415417

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P415585

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P415163

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415855

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P415186

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P415057

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P415496

Component	Result	Code	Units
Total Alkalinity	1.0	U	mg CaCO ₃ /L

Reference Method: SM 2540 C-2011
Batch ID: P415491

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P415430

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P415752

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P415144

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P415060

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	102		P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P415059

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	96.4		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415412

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415417

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P415585

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: P415163

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	93.0		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415855

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P415186

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: P415057

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P415496

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	105		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P415752

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	96.9		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P415144

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	92.7		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415412

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333401	Chloride	98.2		P	90 - 110
2333589	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415417

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333401	Sulfate	96.1		P	90 - 110
2333589	Sulfate	100		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P415585

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333672	Ammonia-N	101	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P415163

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333643	Kjeldahl Nitrogen	104	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415855

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333641	NO2NO3-N	94.5	95.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P415186

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333803	Total-P	104	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P415057

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333675	O-Phosphate-P	95.3	97.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P415752

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2334354	Fluoride	98.1	98.1	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P415144

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2333482	Organic Carbon	86.0	93.1	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P415060

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333686	Color (true)	2.97	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P415059

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333656	Turbidity	7.48	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415412

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333401	Chloride	0.316	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P415417

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333401	Sulfate	0.236	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P415585

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333672	Ammonia-N	0.478	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P415163

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333643	Kjeldahl Nitrogen	0.189	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415855

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333641	NO2NO3-N	0.692	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P415186

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333803	Total-P	0.858	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P415057

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333675	O-Phosphate-P	1.97	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P415496

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333516	Total Alkalinity	0.627	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011
Batch ID: P415491

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333684	TDS	6.80	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P415752

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2334354	Fluoride	0.0	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P415144

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2333482	Organic Carbon	6.07	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A112747

Included Lab Sample IDs: 2333688

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	99.3	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A112748

Included Lab Sample IDs: 2333684, 2333686

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

Reference Method: DEP SOP: NU-094-1

Run ID: A112750

Included Lab Sample IDs: 2333684, 2333686

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	103	P/P	85 - 115
Color (true)	101	101	P/P	85 - 115

Reference Method: SM 5310 B-2011

Run ID: A112800

Included Lab Sample IDs: 2333685, 2333687

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.0	96.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112889

Included Lab Sample IDs: 2333685, 2333687

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	100	93.1	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A112925

Included Lab Sample IDs: 2333684, 2333686

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A112934

Included Lab Sample IDs: 2333685, 2333687

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	98.4	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A112951

Included Lab Sample IDs: 2333684, 2333686

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

Reference Method: SM 2320 B-2011

Run ID: A112951

Included Lab Sample IDs: 2333684, 2333686

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	104	101	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A112990

Included Lab Sample IDs: 2333685, 2333687

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.7	98.1	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A113064

Included Lab Sample IDs: 2333684, 2333686

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A113128

Included Lab Sample IDs: 2333685, 2333687

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	99.0	96.5	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	
					LCS	MS
DEP SOP: NU-094-1	Color (true)	102			2.97	
EPA 180.1 Rev. 2.0	Turbidity	96.4			7.48	
EPA 300.0 Rev. 2.1	Chloride	102	98.2	101	0.316	
	Sulfate	101	96.1	100	0.236	
EPA 350.1 Rev. 2.0	Ammonia-N	97.6	101	100		0.478
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	93.0	104	105		0.189
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	97.5	94.5	95.5		0.692
EPA 365.1 Rev. 2.0	Total-P	103	104	103		0.858
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.9	95.3	97.2		1.97
SM 2320 B-2011	Total Alkalinity	105			0.627	
SM 2540 C-2011	TDS				6.80	
SM 4500-F- C-2011	Fluoride	96.9	98.1	98.1		0.0
SM 5310 B-2011	Organic Carbon	92.7	86.0	93.1		6.07

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2333684, 2333686
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2333684, 2333686
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2333684, 2333686
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2333684, 2333686
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2333685, 2333687
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2333685, 2333687
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2333685, 2333687
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2333685, 2333687
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2333688
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2333684, 2333686
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2333684, 2333686
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2333684, 2333686
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2333684, 2333686
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2333685, 2333687

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	06/10/2022			06/10/2022 14:17	Blanca Fach	2333686
	06/10/2022			06/10/2022 14:39	Blanca Fach	2333684
EPA 180.1 Rev. 2.0	06/10/2022			06/10/2022 13:54	Anna M. Plaviak	2333684
	06/10/2022			06/10/2022 13:56	Anna M. Plaviak	2333686
EPA 300.0 Rev. 2.1	06/10/2022			06/16/2022 10:38	Anna M. Plaviak	2333684
	06/10/2022			06/16/2022 10:50	Anna M. Plaviak	2333686
EPA 350.1 Rev. 2.0	06/10/2022			06/22/2022 14:55	Judith K. Clark	2333685
	06/10/2022			06/22/2022 14:56	Judith K. Clark	2333687
EPA 351.2 Rev. 2.0	06/10/2022	06/16/2022 09:51	Samantha L Bates	06/16/2022 17:24	Alexandra J Mattheus	2333685
	06/10/2022	06/16/2022 09:51	Samantha L Bates	06/16/2022 17:25	Alexandra J Mattheus	2333687
EPA 353.2 Rev. 2.0	06/10/2022			06/28/2022 08:58	Beverly Y. Sanders	2333685
	06/10/2022			06/28/2022 08:59	Beverly Y. Sanders	2333687
EPA 365.1 Rev. 2.0	06/10/2022	06/15/2022 11:23	Simonne.V. Calhoun	06/20/2022 11:49	James L Waggeberby	2333685
	06/10/2022	06/15/2022 11:23	Simonne.V. Calhoun	06/20/2022 11:50	James L Waggeberby	2333687
EPA 365.1 Rev. 2.0 dissolved	06/10/2022			06/10/2022 14:21	James L Waggeberby	2333688
SM 2320 B-2011	06/10/2022			06/18/2022 22:14	Dale L. Simmons	2333684
	06/10/2022			06/18/2022 22:26	Dale L. Simmons	2333686
SM 2540 C-2011	06/10/2022			06/14/2022 14:14	Yijie Li	2333684, 2333686
SM 2540 D-2011	06/10/2022			06/14/2022 14:14	Yijie Li	2333684, 2333686
SM 4500-F- C-2011	06/10/2022			06/23/2022 00:18	Dale L. Simmons	2333684
	06/10/2022			06/23/2022 00:32	Dale L. Simmons	2333686
SM 5310 B-2011	06/10/2022			06/14/2022 06:27	Judith K. Clark	2333685
	06/10/2022			06/14/2022 06:42	Judith K. Clark	2333687