

Chemical Analysis Report

SE-DIST-2022-12-20-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Dry Site Run**
Request ID: **RQ-2022-12-19-19**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Jordan Skaggs

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator

Date Certified: 11-JAN-2023 11:51



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: Starvation Slough @ Public Use Trail

Collection Date/Time: 12/19/2022 09:45

Field ID: G4SE0144

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2376643	DEP SOP: NU-094-1	Color (true)	310		PCU	P423776	
	EPA 180.1 Rev. 2.0	Turbidity	1.1		NTU	P423791	
	EPA 300.0 Rev. 2.1	Chloride	23		mg Cl/L	P423940	
		Sulfate	2.3		mg SO4/L	P423943	
	SM 2320 B-2011	Total Alkalinity	21		mg CaCO3/L	P424044	
	SM 2540 C-2015	TDS	117		mg/L	P424114	
	SM 2540 D-2015	TSS	2	I	mg/L	P424051	
	SM 4500-F- C-2011	Fluoride	0.040	I	mg F/L	P424241	
2376644	EPA 350.1 Rev. 2.0	Ammonia-N	0.033		mg N/L	P424302	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.7		mg N/L	P423043	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P423975	
	EPA 365.1 Rev. 2.0	Total-P	0.044		mg P/L	P424108	
	SM 5310 B-2011	Organic Carbon	31		mg C/L	P423877	

Ref. Method and Comment:

EPA 180.1 Rev. 2.0: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Micco Ditch @ Micco Rd.

Collection Date/Time: 12/19/2022 11:40

Field ID: G5SE0048

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2376641	DEP SOP: NU-094-1	Color (true)	100	A	PCU	P423776	
	EPA 180.1 Rev. 2.0	Turbidity	6.1		NTU	P423790	
	EPA 300.0 Rev. 2.1	Chloride	120		mg Cl/L	P423940	
		Sulfate	30		mg SO4/L	P423943	
	SM 2320 B-2011	Total Alkalinity	204		mg CaCO3/L	P424044	
	SM 2540 C-2015	TDS	448		mg/L	P424114	
	SM 2540 D-2015	TSS	3	I	mg/L	P424051	
	SM 4500-F- C-2011	Fluoride	0.27		mg F/L	P424241	
2376642	EPA 350.1 Rev. 2.0	Ammonia-N	0.045		mg N/L	P424302	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.80		mg N/L	P423043	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.11		mg N/L	P423974	
	EPA 365.1 Rev. 2.0	Total-P	0.088		mg P/L	P424108	
	SM 5310 B-2011	Organic Carbon	17		mg C/L	P423877	

Ref. Method and Comment:

SM 2540 D-2015: 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: P423776

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423790

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423791

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423940

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423943

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424302

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P423043

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423974

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423975

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424108

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

Reference Method: SM 2320 B-2011
Batch ID: P424044

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

Reference Method: SM 2540 C-2015
Batch ID: P424114

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P424051

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P424241

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P423877

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: P423776

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.8		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423790

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423791

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423940

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423943

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424302

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P423043

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423974

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	105		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423975

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	106		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424108

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	105		P	90 - 110

Reference Method: SM 2320 B-2011
Batch ID: P424044

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.0		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P424114

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.8		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P424051

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.0		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P424241

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	101		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P423877

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.0		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423940

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376630	Chloride	103		P	90 - 110
2376772	Chloride	103		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423943

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376630	Sulfate	103		P	90 - 110
2376772	Sulfate	103		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424302

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376809	Ammonia-N	97.0	96.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P423043

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376631	Kjeldahl Nitrogen	95.6	94.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423974

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376504	NO2NO3-N	104	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423975

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376759	NO2NO3-N	101		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424108

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376773	Total-P	104	103	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P424241

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376802	Fluoride	102	102	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P423877

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2376539	Organic Carbon	99.7		P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P423776

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376641	Color (true)	0.429	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423790

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376297	Turbidity	2.67	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423940

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376630	Chloride	0.265	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P423943

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376630	Sulfate	0.930	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424302

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376809	Ammonia-N	0.592	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P423043

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376631	Kjeldahl Nitrogen	0.645	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423974

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376504	NO2NO3-N	1.52	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P423975

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376759	NO2NO3-N	0.444	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424108

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376773	Total-P	0.333	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P424044

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376295	Total Alkalinity	1.21	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P424114

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376535	TDS	2.78	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P424241

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376802	Fluoride	0.467	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P423877

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2376539	Organic Carbon	0.214	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A116559

Included Lab Sample IDs: 2376641, 2376643

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	104	100	P/P	90 - 110
Sulfate	104	101	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A116574

Included Lab Sample IDs: 2376641, 2376643

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	99.3	P/P	90 - 110
Color (true)	99.3	100	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A116579

Included Lab Sample IDs: 2376641, 2376643

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

Reference Method: SM 5310 B-2011

Run ID: A116614

Included Lab Sample IDs: 2376642, 2376644

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.3	99.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A116667

Included Lab Sample IDs: 2376642, 2376644

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	105	P/P	90 - 110
NO2NO3-N	105	104	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A116697

Included Lab Sample IDs: 2376641, 2376643

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.6	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A116719

Included Lab Sample IDs: 2376642, 2376644

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.6	97.5	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A116739

Included Lab Sample IDs: 2376642

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A116747

Included Lab Sample IDs: 2376644

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	96.2	99.0	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A116780

Included Lab Sample IDs: 2376641, 2376643

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A116809

Included Lab Sample IDs: 2376642, 2376644

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.9	98.4	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)	98.8			0.429	
EPA 180.1 Rev. 2.0	Turbidity	101			2.67	
	Turbidity	101				
EPA 300.0 Rev. 2.1	Chloride	103	103	103	0.265	
	Sulfate	103	103	103	0.930	
EPA 350.1 Rev. 2.0	Ammonia-N	97.2	97.0	96.4		0.592
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	105	95.6	94.6		0.645
EPA 353.2 Rev. 2.0	NO2NO3-N	105	104	102		1.52
	NO2NO3-N	106	101			0.444
EPA 365.1 Rev. 2.0	Total-P	105	104	103		0.333
SM 2320 B-2011	Total Alkalinity	99.0			1.21	
SM 2540 C-2015	TDS	94.8			2.78	
SM 2540 D-2015	TSS	96.0				
SM 4500-F- C-2011	Fluoride	101	102	102		0.467
SM 5310 B-2011	Organic Carbon	97.0	99.7			0.214

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2376641, 2376643
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2376641, 2376643
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2376641, 2376643
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2376641, 2376643
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2376642, 2376644
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2376642, 2376644
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2376642, 2376644
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2376642, 2376644
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2376641, 2376643
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2376641, 2376643
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2376641, 2376643
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2376641, 2376643
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2376642, 2376644

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	12/20/2022			12/20/2022 14:13	Alexis Price	2376641
	12/20/2022			12/20/2022 14:22	Alexis Price	2376643
EPA 180.1 Rev. 2.0	12/20/2022			12/20/2022 14:25	Chandler E Cox	2376641
	12/20/2022			12/20/2022 14:31	Chandler E Cox	2376643
EPA 300.0 Rev. 2.1	12/20/2022			12/23/2022 08:10	Anna M. Plaviak	2376641
	12/20/2022			12/23/2022 08:25	Anna M. Plaviak	2376643
EPA 350.1 Rev. 2.0	12/20/2022			01/09/2023 13:53	Ping Hua	2376642
	12/20/2022			01/09/2023 13:54	Ping Hua	2376644
EPA 351.2 Rev. 2.0	12/20/2022	01/03/2023 13:30	Simonne.V. Calhoun	01/04/2023 12:11	Samantha L Bates	2376642
	12/20/2022	01/03/2023 13:30	Simonne.V. Calhoun	01/04/2023 12:13	Samantha L Bates	2376644
EPA 353.2 Rev. 2.0	12/20/2022			12/28/2022 11:07	Beverly Y. Sanders	2376642
	12/20/2022			12/28/2022 11:21	Beverly Y. Sanders	2376644
EPA 365.1 Rev. 2.0	12/20/2022	01/03/2023 14:10	Adam P Silver	01/05/2023 09:58	James L Waggeberby	2376642
	12/20/2022	01/03/2023 14:10	Adam P Silver	01/05/2023 14:10	James L Waggeberby	2376644
SM 2320 B-2011	12/20/2022			12/29/2022 20:25	Dale L. Simmons	2376641
	12/20/2022			12/29/2022 20:35	Dale L. Simmons	2376643
SM 2540 C-2015	12/20/2022			12/21/2022 14:49	Yijie Li	2376641, 2376643
SM 2540 D-2015	12/20/2022			12/21/2022 14:49	Yijie Li	2376641, 2376643
SM 4500-F- C-2011	12/20/2022			01/06/2023 00:47	Dale L. Simmons	2376641
	12/20/2022			01/06/2023 00:52	Dale L. Simmons	2376643
SM 5310 B-2011	12/20/2022			12/22/2022 01:01	Khloe J Berg	2376642
	12/20/2022			12/22/2022 01:16	Khloe J Berg	2376644