Chemical Analysis Report

CEN-DIST-2022-10-25-02

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

Event Description: **Coon Lake + Blank**
Request ID: **RQ-2022-10-24-20**
Customer: **CEN-DIST**
Project ID: **SMP**

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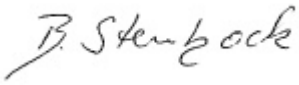
Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 15-NOV-2022 18:11



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: Coon Lake @ Center **Collection Date/Time: 10/24/2022 11:35**

Field ID: G4CE0162 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364768	DEP SOP: NU-094-1	Color (true)	420		PCU	P421385	
	EPA 180.1 Rev. 2.0	Turbidity	2.8		NTU	P421381	
	EPA 300.0 Rev. 2.1	Chloride	11		mg Cl/L	P422013	
		Sulfate	1.9		mg SO4/L	P422017	
	SM 2320 B-2011	Total Alkalinity	1.3	I	mg CaCO3/L	P421652	
	SM 2540 C-2015	TDS	91		mg/L	P421908	
	SM 2540 D-2015	TSS	2	U	mg/L	P421851	
	SM 4500-F- C-2011	Fluoride	0.035	U	mg F/L	P421662	
2364769	EPA 350.1 Rev. 2.0	Ammonia-N	0.041		mg N/L	P421955	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.5		mg N/L	P421638	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.015		mg N/L	P421676	
	EPA 365.1 Rev. 2.0	Total-P	0.024		mg P/L	P421508	
	SM 5310 B-2011	Organic Carbon	30		mg C/L	P421635	

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

Sample Location: FB **Collection Date/Time: 10/24/2022 11:45**

Field ID: FB_10242022 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364770	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P421420	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P421382	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P422013	
		Sulfate	0.20	U	mg SO4/L	P422017	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P421652	
	SM 2540 C-2015	TDS	15	U	mg/L	P421908	
	SM 2540 D-2015	TSS	2	U	mg/L	P421851	
	SM 4500-F- C-2011	Fluoride	0.035	U	mg F/L	P421662	
2364771	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P421955	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P421638	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P421776	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P421508	
	SM 5310 B-2011	Organic Carbon	0.50	U	mg C/L	P421635	

Ref. Method and Comment:
DEP SOP: NU-094-1: 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.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P421385

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: DEP SOP: NU-094-1
Batch ID: P421420

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421381

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421382

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422013

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422017

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421955

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421638

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421676

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421776

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421508

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

Reference Method: SM 2320 B-2011
Batch ID: P421652

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2540 C-2015
Batch ID: P421908

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P421851

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P421662

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P421635

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: P421385

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	91.9		P	90 - 110

Reference Method: DEP SOP: NU-094-1
Batch ID: P421420

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	94.5		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421381

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421382

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	99.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422013

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422017

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	108		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421955

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	99.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421638

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: P421676

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421776

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: P421508

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

Reference Method: SM 2320 B-2011
Batch ID: P421652

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P421908

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

Reference Method: SM 2540 D-2015
Batch ID: P421851

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	91.9		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P421662

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.3		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P421635

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.4		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422013

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364857	Chloride	105		P	90 - 110
2365272	Chloride	107		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422017

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364857	Sulfate	107		P	90 - 110
2365272	Sulfate	109		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421955

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364757	Ammonia-N	100	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421638

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364726	Kjeldahl Nitrogen	99.3	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421676

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364757	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421776

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2365274	NO2NO3-N	98.9	98.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421508

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364858	Total-P	109	108	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P421662

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364864	Fluoride	97.7	97.2	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P421635

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364648	Organic Carbon	96.8	95.1	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P421385

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364700	Color (true)	0.685	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421381

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364430	Turbidity	3.49	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421382

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364555	Turbidity	3.06	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422013

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364857	Chloride	3.78	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422017

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364857	Sulfate	3.95	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421955

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364757	Ammonia-N	1.28	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421638

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364726	Kjeldahl Nitrogen	3.75	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421676

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364757	NO2NO3-N	0.489	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421776

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2365274	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421508

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364858	Total-P	1.01	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P421652

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364864	Total Alkalinity	0.233	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P421908

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364756	TDS	5.88	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P421662

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364864	Fluoride	0.482	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P421635

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364648	Organic Carbon	1.06	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: A115505
Included Lab Sample IDs: 2364768, 2364770

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.0	98.0	P/P	95 - 105
Turbidity	98.0	98.5	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A115506
Included Lab Sample IDs: 2364768

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	94.5	94.3	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1
Run ID: A115522
Included Lab Sample IDs: 2364770

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	92.8	94.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A115603
Included Lab Sample IDs: 2364769, 2364771

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.8	99.8	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A115617
Included Lab Sample IDs: 2364769, 2364771

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.6	99.4	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A115624
Included Lab Sample IDs: 2364768, 2364770

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.0	98.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A115624
Included Lab Sample IDs: 2364768, 2364770

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A115630
Included Lab Sample IDs: 2364769

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	102	100	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A115675
Included Lab Sample IDs: 2364768, 2364770

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	100	105	P/P	90 - 110
Sulfate	102	108	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A115682
Included Lab Sample IDs: 2364771

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A115698
Included Lab Sample IDs: 2364769, 2364771

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	107	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A115748
Included Lab Sample IDs: 2364769, 2364771

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.1	99.2	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		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	91.9				0.685	
	Color (true)	94.5					
EPA 180.1 Rev. 2.0	Turbidity	99.5				3.49	
	Turbidity	99.2				3.06	
EPA 300.0 Rev. 2.1	Chloride	105	105	107		3.78	
	Sulfate	108	107	109		3.95	
EPA 350.1 Rev. 2.0	Ammonia-N	99.2	100	102			1.28
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	99.3	107			3.75
EPA 353.2 Rev. 2.0	NO2NO3-N	102	102	102			0.489
	NO2NO3-N	99.5	98.9	98.9			0.0
EPA 365.1 Rev. 2.0	Total-P	106	109	108			1.01
SM 2320 B-2011	Total Alkalinity	102				0.233	
SM 2540 C-2015	TDS	97.2				5.88	
SM 2540 D-2015	TSS	91.9					
SM 4500-F- C-2011	Fluoride	98.3	97.7	97.2			0.482
SM 5310 B-2011	Organic Carbon	97.4	96.8	95.1			1.06

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2364768, 2364770
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2364768, 2364770
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2364768, 2364770
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2364768, 2364770
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2364769, 2364771
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2364769, 2364771
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2364769, 2364771
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2364769, 2364771
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2364768, 2364770
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2364768, 2364770
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2364768, 2364770
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2364768, 2364770
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2364769, 2364771

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	10/25/2022			10/25/2022 15:05	Chandler E Cox	2364768
	10/25/2022			10/25/2022 17:48	Chandler E Cox	2364770
EPA 180.1 Rev. 2.0	10/25/2022			10/25/2022 14:22	Anna M. Plaviak	2364768
	10/25/2022			10/25/2022 14:42	Anna M. Plaviak	2364770
EPA 300.0 Rev. 2.1	10/25/2022			11/05/2022 11:31	Anna M. Plaviak	2364768
	10/25/2022			11/05/2022 11:46	Anna M. Plaviak	2364770
EPA 350.1 Rev. 2.0	10/25/2022			11/04/2022 14:09	Ping Hua	2364769
	10/25/2022			11/04/2022 14:10	Ping Hua	2364771
EPA 351.2 Rev. 2.0	10/25/2022	10/31/2022 14:05	Samantha L Bates	11/02/2022 20:06	Samantha L Bates	2364769
	10/25/2022	10/31/2022 14:05	Samantha L Bates	11/02/2022 20:08	Samantha L Bates	2364771
EPA 353.2 Rev. 2.0	10/25/2022			10/31/2022 09:46	Beverly Y. Sanders	2364769
	10/25/2022			11/02/2022 10:23	Beverly Y. Sanders	2364771
EPA 365.1 Rev. 2.0	10/25/2022	10/26/2022 13:59	Adam P Silver	10/28/2022 14:26	James L Waggerby	2364771
	10/25/2022	10/26/2022 13:59	Adam P Silver	10/28/2022 14:30	James L Waggerby	2364769
SM 2320 B-2011	10/25/2022			10/27/2022 20:09	Dale L. Simmons	2364768
	10/25/2022			10/27/2022 20:18	Dale L. Simmons	2364770
SM 2540 C-2015	10/25/2022			10/26/2022 15:26	Yijie Li	2364768, 2364770
SM 2540 D-2015	10/25/2022			10/26/2022 15:26	Yijie Li	2364768, 2364770
SM 4500-F- C-2011	10/25/2022			10/27/2022 20:09	Dale L. Simmons	2364768
	10/25/2022			10/27/2022 20:18	Dale L. Simmons	2364770
SM 5310 B-2011	10/25/2022			10/27/2022 20:00	Khloe J Berg	2364769
	10/25/2022			10/27/2022 20:14	Khloe J Berg	2364771