

Chemical Analysis Report

NW-DIST-2023-06-01-02

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

Event Description: **Eastern Lakes Run**
Request ID: **RQ-2023-05-29-12**
Customer: **NW-DIST**
Project ID: **SMP**

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

Date Certified: 15-JUN-2023 14:55



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: HOLLY LAKE

Collection Date/Time: 05/31/2023 12:30

Field ID: G4NW0517

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2413884	DEP SOP: NU-094-1	Color (true)	14		PCU	P430697	
	EPA 180.1 Rev. 2.0	Turbidity	0.70	I	NTU	P430699	
	EPA 300.0 Rev. 2.1	Chloride	3.2		mg Cl/L	P430853	
		Sulfate	0.75		mg SO4/L	P430855	
	SM 2320 B-2011	Total Alkalinity	1.6	I	mg CaCO3/L	P430931	
	SM 2540 C-2015	TDS	15	I	mg/L	P431042	
	SM 2540 D-2015	TSS	2	I	mg/L	P431015	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P430934	MS
2413887	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P430817	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.40		mg N/L	P430768	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P430909	
	EPA 365.1 Rev. 2.0	Total-P	0.009		mg P/L	P430719	
	SM 5310 B-2011	Organic Carbon	4.3		mg C/L	P430953	

Ref. Method and Comment:

EPA 300.0 Rev. 2.1: Sulfate: 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: ROBERTS LAKE

Collection Date/Time: 05/31/2023 14:00

Field ID: G3NW0447

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2413885	DEP SOP: NU-094-1	Color (true)	11		PCU	P430697	
	EPA 180.1 Rev. 2.0	Turbidity	0.50	I	NTU	P430699	
	EPA 300.0 Rev. 2.1	Chloride	3.0		mg Cl/L	P430853	
		Sulfate	1.8		mg SO4/L	P430855	
	SM 2320 B-2011	Total Alkalinity	1.9	I	mg CaCO3/L	P430931	
	SM 2540 C-2015	TDS	23	I	mg/L	P431042	
	SM 2540 D-2015	TSS	2	U	mg/L	P431015	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P430934	MS
2413888	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P430817	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.15	I	mg N/L	P430768	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P430909	
	EPA 365.1 Rev. 2.0	Total-P	0.004	I	mg P/L	P430719	
	SM 5310 B-2011	Organic Carbon	1.9		mg C/L	P430953	

Ref. Method and Comment:

EPA 300.0 Rev. 2.1: Sulfate: 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: KINGS LAKE SOUTH LOBE

Collection Date/Time: 05/31/2023 11:50

Field ID: G4NW0050

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2413886	DEP SOP: NU-094-1	Color (true)	8.9		PCU	P430697	
	EPA 180.1 Rev. 2.0	Turbidity	1.1		NTU	P430699	
	EPA 300.0 Rev. 2.1	Chloride	3.3		mg Cl/L	P430853	
		Sulfate	1.1		mg SO4/L	P430855	
	SM 2320 B-2011	Total Alkalinity	0.93	I	mg CaCO3/L	P430931	
	SM 2540 C-2015	TDS	15	I	mg/L	P431042	
	SM 2540 D-2015	TSS	2	U	mg/L	P431015	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P430934	MS
2413889	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P430817	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.40		mg N/L	P430768	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P430909	
	EPA 365.1 Rev. 2.0	Total-P	0.008		mg P/L	P430719	
	SM 5310 B-2011	Organic Carbon	3.9		mg C/L	P430953	

Ref. Method and Comment:

EPA 300.0 Rev. 2.1: Sulfate: 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: P430697

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430699

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430853

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430855

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430817

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430768

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430909

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430719

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

Reference Method: SM 2320 B-2011
Batch ID: P430931

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P431042

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P431015

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P430934

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P430953

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: P430697

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.4		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430699

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	97.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430853

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430855

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430817

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430768

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: P430909

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430719

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

Reference Method: SM 2320 B-2011
Batch ID: P430931

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.3		P	92 - 105

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P431042

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	96.3		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P431015

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	95.3		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P430934

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

Reference Method: SM 5310 B-2011
Batch ID: P430953

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	94.4		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430853

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413750	Chloride	103		P	90 - 110
2413884	Chloride	103		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430855

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413750	Sulfate	99.9		P	90 - 110
2413884	Sulfate	99.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430817

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413823	Ammonia-N	101	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430768

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413856	Kjeldahl Nitrogen	105	110	P/F	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430909

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413855	NO2NO3-N	106	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430719

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413823	Total-P	103	102	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P430934

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2414185	Fluoride	107	105	F/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P430953

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2413803	Organic Carbon	95.5	93.5	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P430697

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413854	Color (true)	0.594	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430699

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413744	Turbidity	1.01	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430853

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413750	Chloride	2.24	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430817

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413823	Ammonia-N	1.95	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430768

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413856	Kjeldahl Nitrogen	3.07	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430909

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413855	NO2NO3-N	0.475	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430719

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413823	Total-P	1.29	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P430931

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2414185	Total Alkalinity	1.13	Sample	P	0 - 3.9

Quality Assurance Report Precision

Reference Method: SM 2540 C-2015
Batch ID: P431042

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413223	TDS	4.68	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P430934

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2414185	Fluoride	1.48	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P430953

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2413803	Organic Carbon	1.46	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A119524

Included Lab Sample IDs: 2413884, 2413885, 2413886

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.4	97.6	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A119525

Included Lab Sample IDs: 2413884, 2413885, 2413886

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A119578

Included Lab Sample IDs: 2413887, 2413888, 2413889

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.9	98.7	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A119605

Included Lab Sample IDs: 2413884, 2413885, 2413886

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.5	97.9	P/P	90 - 110
Chloride	97.9	97.6	P/P	90 - 110
Sulfate	99.0	99.0	P/P	90 - 110
Sulfate	99.0	99.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A119606

Included Lab Sample IDs: 2413887, 2413888, 2413889

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	99.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A119628

Included Lab Sample IDs: 2413887, 2413888, 2413889

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

Reference Method: SM 2320 B-2011

Run ID: A119632

Included Lab Sample IDs: 2413884, 2413885, 2413886

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	100	94.5	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 4500-F- C-2011

Run ID: A119632

Included Lab Sample IDs: 2413884, 2413885, 2413886

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A119636

Included Lab Sample IDs: 2413887, 2413888, 2413889

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.5	99.0	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A119648

Included Lab Sample IDs: 2413887, 2413888, 2413889

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.6	95.7	P/P	90 - 110
Organic Carbon	95.8	95.6	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)	99.4			0.594	
EPA 180.1 Rev. 2.0	Turbidity	97.7			1.01	
EPA 300.0 Rev. 2.1	Chloride	101	103	103	2.24	
	Sulfate	98.5	99.9	99.4		
EPA 350.1 Rev. 2.0	Ammonia-N	95.8	101	103		1.95
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	105	105	110		3.07
EPA 353.2 Rev. 2.0	NO2NO3-N	105	106	105		0.475
EPA 365.1 Rev. 2.0	Total-P	100	103	102		1.29
SM 2320 B-2011	Total Alkalinity	99.3			1.13	
SM 2540 C-2015	TDS	96.3			4.68	
SM 2540 D-2015	TSS	95.3				
SM 4500-F- C-2011	Fluoride	105	107	105		1.48
SM 5310 B-2011	Organic Carbon	94.4	95.5	93.5		1.46

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2413884, 2413885, 2413886
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2413884, 2413885, 2413886
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2413884, 2413885, 2413886
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2413884, 2413885, 2413886
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2413887, 2413888, 2413889
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2413887, 2413888, 2413889
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2413887, 2413888, 2413889
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2413887, 2413888, 2413889
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2413884, 2413885, 2413886
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2413884, 2413885, 2413886
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2413884, 2413885, 2413886
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2413884, 2413885, 2413886
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2413887, 2413888, 2413889

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	06/01/2023			06/01/2023 14:07	Anna M. Plaviak	2413884
	06/01/2023			06/01/2023 14:08	Anna M. Plaviak	2413885
	06/01/2023			06/01/2023 14:09	Anna M. Plaviak	2413886
EPA 180.1 Rev. 2.0	06/01/2023			06/01/2023 13:37	Chandler E Cox	2413884
	06/01/2023			06/01/2023 13:38	Chandler E Cox	2413885, 2413886
EPA 300.0 Rev. 2.1	06/01/2023			06/05/2023 21:24	James L Waggeberby	2413884
	06/01/2023			06/06/2023 01:10	James L Waggeberby	2413885
	06/01/2023			06/06/2023 01:25	James L Waggeberby	2413886
EPA 350.1 Rev. 2.0	06/01/2023			06/05/2023 13:22	Khloe J Berg	2413887
	06/01/2023			06/05/2023 13:23	Khloe J Berg	2413888
	06/01/2023			06/05/2023 13:24	Khloe J Berg	2413889
EPA 351.2 Rev. 2.0	06/01/2023	06/05/2023 10:55	Simonne.V. Calhoun	06/06/2023 14:15	Samantha L Bates	2413887
	06/01/2023	06/05/2023 10:55	Simonne.V. Calhoun	06/06/2023 14:16	Samantha L Bates	2413888
	06/01/2023	06/05/2023 10:55	Simonne.V. Calhoun	06/06/2023 14:18	Samantha L Bates	2413889
EPA 353.2 Rev. 2.0	06/01/2023			06/07/2023 10:51	Beverly Y. Sanders	2413887
	06/01/2023			06/07/2023 10:52	Beverly Y. Sanders	2413888
	06/01/2023			06/07/2023 10:53	Beverly Y. Sanders	2413889
EPA 365.1 Rev. 2.0	06/01/2023	06/02/2023 15:05	Adam P Silver	06/07/2023 13:11	James L Waggeberby	2413887
	06/01/2023	06/02/2023 15:05	Adam P Silver	06/07/2023 13:12	James L Waggeberby	2413888
	06/01/2023	06/02/2023 15:05	Adam P Silver	06/07/2023 13:13	James L Waggeberby	2413889
SM 2320 B-2011	06/01/2023			06/07/2023 04:08	Dale L. Simmons	2413884
	06/01/2023			06/07/2023 04:18	Dale L. Simmons	2413885
	06/01/2023			06/07/2023 04:28	Dale L. Simmons	2413886
SM 2540 C-2015	06/01/2023			06/02/2023 15:32	Yijie Li	2413884, 2413885, 2413886
SM 2540 D-2015	06/01/2023			06/02/2023 15:32	Yijie Li	2413884, 2413885, 2413886
SM 4500-F- C-2011	06/01/2023			06/07/2023 04:08	Dale L. Simmons	2413884
	06/01/2023			06/07/2023 04:18	Dale L. Simmons	2413885
	06/01/2023			06/07/2023 04:28	Dale L. Simmons	2413886
SM 5310 B-2011	06/01/2023			06/06/2023 16:49	Elise M. Gillis	2413887
	06/01/2023			06/06/2023 19:55	Elise M. Gillis	2413888
	06/01/2023			06/06/2023 20:10	Elise M. Gillis	2413889