

Chemical Analysis Report

SO-DIST-2023-08-29-02

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

Event Description: **2023 SMP : Whid's End**
Request ID: **RQ-2023-08-28-08**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
Attn: Monica Jaeger

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Certified by: Colin Wright, Program Administrator

Date Certified: 19-SEP-2023 13:34

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light blue rectangular 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: CORALCREEKEAST

Collection Date/Time: 08/28/2023 09:10

Field ID: G2SD0046

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434022	DEP SOP: NU-094-1	Color (true)	110	A	PCU	P434491	
	EPA 180.1 Rev. 2.0	Turbidity	5.2		NTU	P434495	
	EPA 300.0 Rev. 2.1	Chloride	1.8E+04		mg Cl/L	P434603	
		Sulfate	2.5E+03		mg SO4/L	P434606	
	SM 2320 B-2011	Total Alkalinity	135		mg CaCO3/L	P434550	
	SM 2540 C-2015	TDS	3.12E+04		mg/L	P434781	
	SM 2540 D-2015	TSS	5	I	mg/L	P434784	
	SM 4500-F- C-2011	Fluoride	1.1		mg F/L	P434552	
2434024	EPA 350.1 Rev. 2.0	Ammonia-N	0.008		mg N/L	P434575	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P434761	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P434757	
	EPA 365.1 Rev. 2.0	Total-P	0.042		mg P/L	P434847	
	SM 5310 B-2011	Organic Carbon	16		mg C/L	P434653	

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: WHIDDEN CREEK AT SOUTH POINT

Collection Date/Time: 08/28/2023 10:15

Field ID: G2SD0029

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2434023	DEP SOP: NU-094-1	Color (true)	16		PCU	P434491	
	EPA 180.1 Rev. 2.0	Turbidity	1.2		NTU	P434495	
	EPA 300.0 Rev. 2.1	Chloride	2.0E+04		mg Cl/L	P434603	
		Sulfate	2.8E+03		mg SO4/L	P434606	
	SM 2320 B-2011	Total Alkalinity	118		mg CaCO3/L	P434550	
	SM 2540 C-2015	TDS	3.33E+04		mg/L	P434781	
	SM 2540 D-2015	TSS	3	IA	mg/L	P434784	
	SM 4500-F- C-2011	Fluoride	1.2		mg F/L	P434552	
2434025	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P434575	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.79		mg N/L	P434764	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P434757	
	EPA 365.1 Rev. 2.0	Total-P	0.032		mg P/L	P434847	
	SM 5310 B-2011	Organic Carbon	7.9		mg C/L	P434972	

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: P434491

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434495

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434761

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434757

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434847

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P434550

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

Reference Method: SM 2540 C-2015
Batch ID: P434781

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P434784

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P434653

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

Reference Method: SM 5310 B-2011
Batch ID: P434972

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: P434491

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434495

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	99.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

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: P434761

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434757

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434847

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	107		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P434550

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.4		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P434781

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	97.6		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P434784

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	98.2		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.9		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P434653

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	93.8		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P434972

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.6		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433817	Chloride	99.4		P	90 - 110
2433896	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433817	Sulfate	97.0		P	90 - 110
2433896	Sulfate	98.7		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433934	Ammonia-N	101	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434761

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433936	Kjeldahl Nitrogen	102	96.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434152	Kjeldahl Nitrogen	102	98.1	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434757

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2433932	NO2NO3-N	97.4	98.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434847

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434025	Total-P	102	102	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2432583	Fluoride	102	102	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P434653

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2432493	Organic Carbon	94.3	94.2	P/P	85 - 115

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P434972

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2434155	Organic Carbon	94.2	94.3	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P434491

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434022	Color (true)	1.54	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P434495

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433788	Turbidity	0.341	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434603

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433817	Chloride	0.838	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P434606

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433817	Sulfate	0.118	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P434575

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433934	Ammonia-N	0.538	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434761

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433936	Kjeldahl Nitrogen	4.47	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P434764

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434152	Kjeldahl Nitrogen	3.82	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P434757

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433932	NO2NO3-N	0.995	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P434847

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434025	Total-P	0.391	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P434550

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2432583	Total Alkalinity	0.115	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P434781

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2433788	TDS	4.65	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P434552

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2432583	Fluoride	0.0	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P434653

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2432493	Organic Carbon	0.0808	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P434972

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2434155	Organic Carbon	0.0410	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: A121314

Included Lab Sample IDs: 2434022, 2434023

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

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A121317

Included Lab Sample IDs: 2434022, 2434023

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.0	97.5	P/P	95 - 105

Reference Method: SM 2320 B-2011

Run ID: A121345

Included Lab Sample IDs: 2434022, 2434023

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.3	98.7	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A121345

Included Lab Sample IDs: 2434022, 2434023

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	105	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A121357

Included Lab Sample IDs: 2434024, 2434025

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.8	101	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A121370

Included Lab Sample IDs: 2434022, 2434023

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.5	99.4	P/P	90 - 110
Sulfate	98.5	98.5	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A121391

Included Lab Sample IDs: 2434024

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.0	94.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A121435

Included Lab Sample IDs: 2434024, 2434025

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	98.5	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A121484

Included Lab Sample IDs: 2434025

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A121508

Included Lab Sample IDs: 2434024, 2434025

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.5	100	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A121525

Included Lab Sample IDs: 2434025

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	92.7	95.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A121547

Included Lab Sample IDs: 2434024

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.9	97.9	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)	101			1.54	
EPA 180.1 Rev. 2.0	Turbidity	97.5			0.341	
EPA 300.0 Rev. 2.1	Chloride	102	99.4	100	0.838	
	Sulfate	99.4	97.0	98.7	0.118	
EPA 350.1 Rev. 2.0	Ammonia-N	95.8	101	102		0.538
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	102	96.6		4.47
	Kjeldahl Nitrogen	103	102	98.1		3.82
EPA 353.2 Rev. 2.0	NO2NO3-N	99.0	97.4	98.4		0.995
EPA 365.1 Rev. 2.0	Total-P	107	102	102		0.391
SM 2320 B-2011	Total Alkalinity	96.4			0.115	
SM 2540 C-2015	TDS	97.6			4.65	
SM 2540 D-2015	TSS	98.2				
SM 4500-F- C-2011	Fluoride	98.9	102	102		0.0
SM 5310 B-2011	Organic Carbon	93.8	94.3	94.2		0.0808
	Organic Carbon	95.6	94.2	94.3		0.0410

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2434022, 2434023
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2434022, 2434023
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2434022, 2434023
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2434022, 2434023
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2434024, 2434025
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2434024, 2434025
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2434024, 2434025
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2434024, 2434025
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2434022, 2434023
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2434022, 2434023
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2434022, 2434023
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2434022, 2434023
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2434024, 2434025

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	08/29/2023			08/29/2023 14:35	Alexis Price	2434022, 2434023
EPA 180.1 Rev. 2.0	08/29/2023			08/29/2023 14:20	Anna M. Plaviak	2434022, 2434023
EPA 300.0 Rev. 2.1	08/29/2023			09/06/2023 04:49	James L Waggeberby	2434022
	08/29/2023			09/06/2023 05:05	James L Waggeberby	2434023
EPA 350.1 Rev. 2.0	08/29/2023			09/05/2023 13:31	Khloe J Berg	2434024
	08/29/2023			09/05/2023 13:32	Khloe J Berg	2434025
EPA 351.2 Rev. 2.0	08/29/2023	09/11/2023 13:57	Simonne.V. Calhoun	09/14/2023 15:53	Samantha L Bates	2434024
	08/29/2023	09/11/2023 14:51	Simonne.V. Calhoun	09/12/2023 14:12	Samantha L Bates	2434025
EPA 353.2 Rev. 2.0	08/29/2023			09/08/2023 12:42	Anna M. Plaviak	2434024
	08/29/2023			09/08/2023 12:43	Anna M. Plaviak	2434025
EPA 365.1 Rev. 2.0	08/29/2023	09/12/2023 17:58	Adam P Silver	09/13/2023 14:03	Simonne.V. Calhoun	2434025
	08/29/2023	09/12/2023 17:58	Adam P Silver	09/13/2023 14:05	Simonne.V. Calhoun	2434024
SM 2320 B-2011	08/29/2023			09/02/2023 06:58	Dale L. Simmons	2434022
	08/29/2023			09/02/2023 07:12	Dale L. Simmons	2434023
SM 2540 C-2015	08/29/2023			09/01/2023 14:12	Yijie Li	2434022, 2434023
SM 2540 D-2015	08/29/2023			09/01/2023 14:12	Yijie Li	2434022, 2434023
SM 4500-F- C-2011	08/29/2023			09/02/2023 02:43	Dale L. Simmons	2434022
	08/29/2023			09/02/2023 02:49	Dale L. Simmons	2434023
SM 5310 B-2011	08/29/2023			09/06/2023 17:23	Elise M. Gillis	2434024
	08/29/2023			09/14/2023 03:07	Elise M. Gillis	2434025