

Chemical Analysis Report

NW-DIST-2023-02-23-02

Florida DEP Laboratory
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Tallahassee, FL 32399-2400
DOH Accreditation E31780

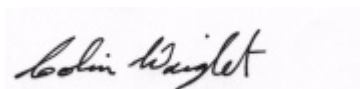
Event Description: **Dune Lakes Run**
Request ID: **RQ-2023-02-20-23**
Customer: **NW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
160 W Government Street
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Pensacola, FL 32502-5794
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Certified by: Colin Wright, Program Administrator

Date Certified: 16-MAR-2023 11:25

A handwritten signature in black ink, reading "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: Alligator Lake

Collection Date/Time: 02/22/2023 12:30

Field ID: G3NW0219

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2389733	DEP SOP: NU-094-1	Color (true)	150		PCU	P426304	
	EPA 180.1 Rev. 2.0	Turbidity	0.60	I	NTU	P426310	
	EPA 300.0 Rev. 2.1	Chloride	3.1E+03		mg Cl/L	P426868	
		Sulfate	420		mg SO4/L	P426872	
	SM 2320 B-2011	Total Alkalinity	27		mg CaCO3/L	P426643	
	SM 2540 C-2015	TDS	5.23E+03		mg/L	P426803	
	SM 2540 D-2015	TSS	2	U	mg/L	P426741	
2389735	SM 4500-F- C-2011	Fluoride	0.20	I	mg F/L	P426644	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P426601	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.49		mg N/L	P426458	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P426362	
	EPA 365.1 Rev. 2.0	Total-P	0.007	I	mg P/L	P426837	
	SM 5310 B-2011	Organic Carbon	12		mg C/L	P426788	

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: Western Lake

Collection Date/Time: 02/22/2023 11:50

Field ID: G3NW0007

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2389734	DEP SOP: NU-094-1	Color (true)	72		PCU	P426304	
	EPA 180.1 Rev. 2.0	Turbidity	0.75	I	NTU	P426310	
	EPA 300.0 Rev. 2.1	Chloride	3.1E+03		mg Cl/L	P427039	
		Sulfate	440		mg SO4/L	P426872	
	SM 2320 B-2011	Total Alkalinity	37		mg CaCO3/L	P426643	
	SM 2540 C-2015	TDS	5.37E+03		mg/L	P426803	
	SM 2540 D-2015	TSS	2	I	mg/L	P426741	
	SM 4500-F- C-2011	Fluoride	0.21		mg F/L	P426644	
2389736	EPA 350.1 Rev. 2.0	Ammonia-N	0.005	I	mg N/L	P426601	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.32	I	mg N/L	P426458	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P426362	
	EPA 365.1 Rev. 2.0	Total-P	0.007	I	mg P/L	P426837	
	SM 5310 B-2011	Organic Carbon	8.7		mg C/L	P426788	

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: P426304

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P426310

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426868

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426872

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427039

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426601

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P426458

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P426362

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P426837

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: P426643

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

Reference Method: SM 2540 C-2015
Batch ID: P426803

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P426741

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P426644

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P426788

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: P426304

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: P426310

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426868

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426872

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427039

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426601

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P426458

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	96.2		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P426362

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	97.0		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P426837

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P426643

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.1		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P426803

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	96.0		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P426741

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.9		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P426644

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.4		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P426788

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	94.1		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426868

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389770	Chloride	96.7		P	90 - 110
2389919	Chloride	97.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426872

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389770	Sulfate	100		P	90 - 110
2389919	Sulfate	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427039

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2391337	Chloride	97.0		P	90 - 110
2391346	Chloride	95.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426601

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389735	Ammonia-N	106	104	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P426458

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389736	Kjeldahl Nitrogen	102	95.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P426362

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389385	NO2NO3-N	95.5	95.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P426837

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389763	Total-P	94.7	92.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P426644

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389384	Fluoride	97.6	97.6	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P426788

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2389629	Organic Carbon	94.5	95.9	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P426304

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389691	Color (true)	2.09	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P426310

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389694	Turbidity	2.37	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426868

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389770	Chloride	0.255	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426872

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389770	Sulfate	1.12	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427039

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2391337	Chloride	0.715	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426601

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389735	Ammonia-N	1.95	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P426458

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389736	Kjeldahl Nitrogen	6.19	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P426362

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389385	NO2NO3-N	0.0	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P426837

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389763	Total-P	1.80	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P426643

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389384	Total Alkalinity	0.633	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P426803

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389842	TDS	5.79	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P426644

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389384	Fluoride	0.0	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P426788

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2389629	Organic Carbon	0.996	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: A117629

Included Lab Sample IDs: 2389733, 2389734

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	102	102	P/P	90 - 110
Color (true)	102	102	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A117632

Included Lab Sample IDs: 2389733, 2389734

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A117643

Included Lab Sample IDs: 2389735, 2389736

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	96.0	96.0	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A117760

Included Lab Sample IDs: 2389735, 2389736

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.3	99.2	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A117776

Included Lab Sample IDs: 2389733, 2389734

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.1	98.4	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A117776

Included Lab Sample IDs: 2389733, 2389734

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A117803

Included Lab Sample IDs: 2389735, 2389736

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	106	104	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A117833

Included Lab Sample IDs: 2389733, 2389734

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.3	97.9	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A117833

Included Lab Sample IDs: 2389733, 2389734

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.4	95.5	P/P	90 - 110
Sulfate	100	101	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A117844

Included Lab Sample IDs: 2389735, 2389736

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.4	96.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A117936

Included Lab Sample IDs: 2389735, 2389736

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	99.5	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)	101			2.09	
EPA 180.1 Rev. 2.0	Turbidity	101			2.37	
EPA 300.0 Rev. 2.1	Chloride	101	96.7	97.2	0.255	
	Chloride	97.2	97.0	95.8	0.715	
	Sulfate	104	100	100	1.12	
	Ammonia-N	99.8	106	104		1.95
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	96.2	102	95.4		6.19
EPA 353.2 Rev. 2.0	NO2NO3-N	97.0	95.5	95.5		0.0
EPA 365.1 Rev. 2.0	Total-P	101	94.7	92.8		1.80
SM 2320 B-2011	Total Alkalinity	97.1			0.633	
SM 2540 C-2015	TDS	96.0			5.79	
SM 2540 D-2015	TSS	96.9				
SM 4500-F- C-2011	Fluoride	99.4	97.6	97.6		0.0
SM 5310 B-2011	Organic Carbon	94.1	94.5	95.9		0.996

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2389733, 2389734
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2389733, 2389734
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2389733, 2389734
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2389733, 2389734
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2389735, 2389736
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2389735, 2389736
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2389735, 2389736
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2389735, 2389736
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2389733, 2389734
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2389733, 2389734
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2389733, 2389734
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2389733, 2389734
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2389735, 2389736

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	02/23/2023			02/23/2023 14:25	Alexis Price	2389734
	02/23/2023			02/23/2023 14:31	Alexis Price	2389733
EPA 180.1 Rev. 2.0	02/23/2023			02/23/2023 15:02	Khloe J Berg	2389733
	02/23/2023			02/23/2023 15:03	Khloe J Berg	2389734
EPA 300.0 Rev. 2.1	02/23/2023			03/07/2023 14:31	Judith K. Clark	2389733
	02/23/2023			03/07/2023 14:46	Judith K. Clark	2389734
	02/23/2023			03/10/2023 13:46	Judith K. Clark	2389734
EPA 350.1 Rev. 2.0	02/23/2023			03/02/2023 11:20	Khloe J Berg	2389735
	02/23/2023			03/02/2023 11:21	Khloe J Berg	2389736
	02/23/2023			03/03/2023 19:27	Judith K. Clark	2389735
EPA 351.2 Rev. 2.0	02/23/2023	02/28/2023 12:20	Simonne.V. Calhoun	03/03/2023 19:28	Judith K. Clark	2389736
	02/23/2023	02/28/2023 12:20	Simonne.V. Calhoun	02/24/2023 09:24	Beverly Y. Sanders	2389735
EPA 353.2 Rev. 2.0	02/23/2023			02/24/2023 09:25	Beverly Y. Sanders	2389736
	02/23/2023			03/10/2023 12:34	James L Waggeberby	2389735
EPA 365.1 Rev. 2.0	02/23/2023	03/08/2023 02:00	Alexis Price	03/10/2023 12:35	James L Waggeberby	2389736
	02/23/2023	03/08/2023 02:00	Alexis Price	03/02/2023 19:35	Chandler E Cox	2389733
SM 2320 B-2011	02/23/2023			03/02/2023 19:46	Chandler E Cox	2389734
	02/23/2023			02/27/2023 16:17	Yijie Li	2389733, 2389734
SM 2540 C-2015	02/23/2023			02/27/2023 16:17	Yijie Li	2389733, 2389734
SM 2540 D-2015	02/23/2023			03/02/2023 15:54	Chandler E Cox	2389734
SM 4500-F- C-2011	02/23/2023			03/02/2023 15:59	Chandler E Cox	2389733
	02/23/2023			03/06/2023 20:15	Elise M. Gillis	2389735
SM 5310 B-2011	02/23/2023			03/06/2023 20:31	Elise M. Gillis	2389736
	02/23/2023					