

Chemical Analysis Report

SE-DIST-2023-04-14-01

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

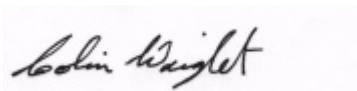
Event Description: **Lake Kenansville**
Request ID: **RQ-2023-04-17-17**
Customer: **SE-DIST**
Project ID: **SMP**

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

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Certified by: Colin Wright, Program Administrator

Date Certified: 08-MAY-2023 09:13

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light gray 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: LAKE CARRIE NEAR CENTER

Collection Date/Time: 04/13/2023 11:15

Field ID: G4SE0164

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400491	DEP SOP: NU-094-1	Color (true)	130		PCU	P428529	
	EPA 180.1 Rev. 2.0	Turbidity	5.2		NTU	P428532	
	EPA 300.0 Rev. 2.1	Chloride	19		mg Cl/L	P428892	
		Sulfate	6.1		mg SO4/L	P428896	
	SM 2320 B-2011	Total Alkalinity	17		mg CaCO3/L	P428657	
	SM 2540 C-2015	TDS	99		mg/L	P429116	
	SM 2540 D-2015	TSS	5	I	mg/L	P428907	
	SM 4500-F- C-2011	Fluoride	0.040	I	mg F/L	P428931	
2400493	EPA 350.1 Rev. 2.0	Ammonia-N	0.017		mg N/L	P428790	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.87		mg N/L	P428540	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.013		mg N/L	P428938	
	EPA 365.1 Rev. 2.0	Total-P	0.040		mg P/L	P428604	
	SM 5310 B-2011	Organic Carbon	20		mg C/L	P428701	

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: LAKE APTHORPE NEAR CENTER

Collection Date/Time: 04/13/2023 12:00

Field ID: G4SE0161

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400492	DEP SOP: NU-094-1	Color (true)	15		PCU	P428529	
	EPA 180.1 Rev. 2.0	Turbidity	3.4		NTU	P428532	
	EPA 300.0 Rev. 2.1	Chloride	23		mg Cl/L	P428892	
		Sulfate	37		mg SO4/L	P428896	
	SM 2320 B-2011	Total Alkalinity	25	A	mg CaCO3/L	P428657	
	SM 2540 C-2015	TDS	132		mg/L	P429116	
	SM 2540 D-2015	TSS	3	I	mg/L	P428907	
	SM 4500-F- C-2011	Fluoride	0.050	I	mg F/L	P428931	
2400494	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P428790	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.77		mg N/L	P428540	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.17		mg N/L	P428938	
	EPA 365.1 Rev. 2.0	Total-P	0.010		mg P/L	P428661	
	SM 5310 B-2011	Organic Carbon	7.8		mg C/L	P428701	

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: P428529

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428532

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428896

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428790

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428540

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428938

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428604

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428661

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: P428657

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

Reference Method: SM 2540 C-2015
Batch ID: P429116

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P428907

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P428701

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: P428529

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.0		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428532

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	98.4		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428896

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428790

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	98.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428540

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428938

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428604

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428661

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P428657

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.6		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P429116

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

Reference Method: SM 2540 D-2015
Batch ID: P428907

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

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P428701

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400329	Chloride	98.0		P	90 - 110
2400491	Chloride	99.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428896

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400329	Sulfate	98.5		P	90 - 110
2400491	Sulfate	99.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428790

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2399914	Ammonia-N	99.8	99.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428540

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400426	Kjeldahl Nitrogen	101	106	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428938

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400411	NO2NO3-N	101	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428604

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400428	Total-P	100	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428661

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400494	Total-P	100	100	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400492	Fluoride	100	101	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P428701

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400426	Organic Carbon	94.5	95.6	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P428529

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400560	Color (true)	4.23	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428532

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400353	Turbidity	7.18	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400329	Chloride	0.890	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428790

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2399914	Ammonia-N	0.150	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428540

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400426	Kjeldahl Nitrogen	3.60	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428938

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400411	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428604

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400428	Total-P	0.873	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428661

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400494	Total-P	0.0484	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P428657

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400492	Total Alkalinity	2.30	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P429116

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400353	TDS	3.08	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400492	Fluoride	0.503	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P428701

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400426	Organic Carbon	0.836	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: A118589

Included Lab Sample IDs: 2400491, 2400492

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	103	102	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A118591

Included Lab Sample IDs: 2400491, 2400492

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	99.0	P/P	95 - 105

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A118641

Included Lab Sample IDs: 2400491, 2400492

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.2	98.2	P/P	90 - 110
Chloride	97.3	97.2	P/P	90 - 110
Sulfate	98.3	99.7	P/P	90 - 110
Sulfate	98.4	98.3	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A118645

Included Lab Sample IDs: 2400491, 2400492

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	94.1	95.2	P/P	90 - 110
Total Alkalinity	96.4	94.1	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A118655

Included Lab Sample IDs: 2400493, 2400494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.3	98.7	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A118661

Included Lab Sample IDs: 2400493, 2400494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	99.8	99.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118678

Included Lab Sample IDs: 2400493

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A118690

Included Lab Sample IDs: 2400493, 2400494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.4	97.5	P/P	90 - 110
Ammonia-N	98.7	98.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118721

Included Lab Sample IDs: 2400494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.8	99.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A118753

Included Lab Sample IDs: 2400491, 2400492

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	100	101	P/P	90 - 110
Fluoride	101	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A118754

Included Lab Sample IDs: 2400493, 2400494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	103	102	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)	98.0			4.23	
EPA 180.1 Rev. 2.0	Turbidity	98.4			7.18	
EPA 300.0 Rev. 2.1	Chloride	101	98.0	99.7	0.890	
	Sulfate	102	98.5	99.5		
EPA 350.1 Rev. 2.0	Ammonia-N	98.2	99.8	99.6		0.150
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.2	101	106		3.60
EPA 353.2 Rev. 2.0	NO2NO3-N	100	101	101		0.0
EPA 365.1 Rev. 2.0	Total-P	99.6	100	101		0.873
	Total-P	100	100	100		0.0484
SM 2320 B-2011	Total Alkalinity	94.6			2.30	
SM 2540 C-2015	TDS	106			3.08	
SM 2540 D-2015	TSS	96.9				
SM 4500-F- C-2011	Fluoride	100	100	101		0.503
SM 5310 B-2011	Organic Carbon	95.5	94.5	95.6		0.836

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2400491, 2400492
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2400491, 2400492
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2400491, 2400492
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2400491, 2400492
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2400493, 2400494
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2400493, 2400494
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2400493, 2400494
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2400493, 2400494
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2400491, 2400492
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2400491, 2400492
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2400491, 2400492
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2400491, 2400492
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2400493, 2400494

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	04/14/2023			04/14/2023 14:32	Chandler E Cox	2400491, 2400492
EPA 180.1 Rev. 2.0	04/14/2023			04/14/2023 14:20	Khloe J Berg	2400491
	04/14/2023			04/14/2023 14:21	Khloe J Berg	2400492
EPA 300.0 Rev. 2.1	04/14/2023			04/20/2023 21:46	James L Waggeberby	2400491
	04/14/2023			04/21/2023 02:32	James L Waggeberby	2400492
EPA 350.1 Rev. 2.0	04/14/2023			04/20/2023 12:26	Khloe J Berg	2400493
	04/14/2023			04/20/2023 14:26	Khloe J Berg	2400494
EPA 351.2 Rev. 2.0	04/14/2023	04/17/2023 11:20	Simonne.V. Calhoun	04/19/2023 10:49	Samantha L Bates	2400493
	04/14/2023	04/17/2023 11:20	Simonne.V. Calhoun	04/19/2023 10:50	Samantha L Bates	2400494
EPA 353.2 Rev. 2.0	04/14/2023			04/25/2023 10:00	Beverly Y. Sanders	2400493
	04/14/2023			04/25/2023 10:01	Beverly Y. Sanders	2400494
EPA 365.1 Rev. 2.0	04/14/2023	04/18/2023 13:49	Adam P Silver	04/19/2023 13:41	Simonne.V. Calhoun	2400493
	04/14/2023	04/19/2023 13:15	Alexis Price	04/22/2023 14:34	James L Waggeberby	2400494
SM 2320 B-2011	04/14/2023			04/18/2023 22:47	Dale L. Simmons	2400492
	04/14/2023			04/19/2023 01:52	Dale L. Simmons	2400491
SM 2540 C-2015	04/14/2023			04/19/2023 15:28	Yijie Li	2400491, 2400492
SM 2540 D-2015	04/14/2023			04/19/2023 15:28	Yijie Li	2400491, 2400492
SM 4500-F- C-2011	04/14/2023			04/25/2023 09:01	Dale L. Simmons	2400492
	04/14/2023			04/25/2023 10:34	Dale L. Simmons	2400491
SM 5310 B-2011	04/14/2023			04/19/2023 06:41	Elise M. Gillis	2400493
	04/14/2023			04/19/2023 06:55	Elise M. Gillis	2400494