

Chemical Analysis Report

SE-DIST-2023-04-21-02

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:
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Date Certified: 15-MAY-2023 12:36



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 FRANCIS NEAR CENTER

Collection Date/Time: 04/20/2023 11:30

Field ID: G4SE0165

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2402190	DEP SOP: NU-094-1	Color (true)	8.4		PCU	P428841	
	EPA 180.1 Rev. 2.0	Turbidity	1.8		NTU	P428852	
	EPA 300.0 Rev. 2.1	Chloride	21		mg Cl/L	P429143	
		Sulfate	26		mg SO4/L	P429146	
	SM 2320 B-2011	Total Alkalinity	24		mg CaCO3/L	P429189	
	SM 2540 C-2015	TDS	111		mg/L	P429500	
	SM 2540 D-2015	TSS	3	I	mg/L	P429317	
	SM 4500-F- C-2011	Fluoride	0.054	I	mg F/L	P429282	
2402191	EPA 350.1 Rev. 2.0	Ammonia-N	0.005	I	mg N/L	P429138	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.55		mg N/L	P428998	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P429245	
	EPA 365.1 Rev. 2.0	Total-P	0.012		mg P/L	P428902	
	SM 5310 B-2011	Organic Carbon	6.8		mg C/L	P429041	

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: LITTLE RED WATER LAKE NEAR NORTHERN LOBE **Collection Date/Time: 04/20/2023 12:45**

Field ID: G4SE0159

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2402187	DEP SOP: NU-094-1	Color (true)	91		PCU	P428841	
	EPA 180.1 Rev. 2.0	Turbidity	2.8		NTU	P428852	
	EPA 300.0 Rev. 2.1	Chloride	18	A	mg Cl/L	P429143	
		Sulfate	9.3	A	mg SO4/L	P429146	
	SM 2320 B-2011	Total Alkalinity	6.8		mg CaCO3/L	P429189	
	SM 2540 C-2015	TDS	71		mg/L	P429500	
	SM 2540 D-2015	TSS	3	I	mg/L	P429317	
	SM 4500-F- C-2011	Fluoride	0.049	I	mg F/L	P429282	
2402188	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P429138	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.71		mg N/L	P428998	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.008	I	mg N/L	P429245	
	EPA 365.1 Rev. 2.0	Total-P	0.053		mg P/L	P428902	
	SM 5310 B-2011	Organic Carbon	12		mg C/L	P429041	
2402189	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.007	I	mg P/L	P428844	

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: P428841

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428852

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429143

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429146

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P429138

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428998

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P429245

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428902

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P428844

Component	Result	Code	Units
O-Phosphate-P	0.004	U	mg P/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P429189

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

Reference Method: SM 2540 C-2015
Batch ID: P429500

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P429317

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P429282

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P429041

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: P428841

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.6		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428852

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: P429143

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429146

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P429138

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428998

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	93.0		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P429245

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	104		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428902

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P428844

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P429189

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.2		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P429500

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	95.4		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P429317

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

Reference Method: SM 4500-F- C-2011
Batch ID: P429282

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.8		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P429041

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.1		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429143

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402187	Chloride	101		P	90 - 110
2402529	Chloride	98.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429146

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402187	Sulfate	101		P	90 - 110
2402529	Sulfate	98.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P429138

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402161	Ammonia-N	99.0	97.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428998

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402262	Kjeldahl Nitrogen	97.8	95.3	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P429245

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402185	NO2NO3-N	105	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428902

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402161	Total-P	101	98.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P428844

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402165	O-Phosphate-P	92.0	92.1	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P429282

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402166	Fluoride	101	101	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P429041

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2402010	Organic Carbon	95.6	95.4	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P428841

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402166	Color (true)	0.139	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428852

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2401974	Turbidity	5.57	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429143

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402187	Chloride	0.683	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P429146

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402187	Sulfate	0.147	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P429138

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402161	Ammonia-N	1.12	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428998

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402262	Kjeldahl Nitrogen	1.82	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P429245

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402185	NO2NO3-N	0.935	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428902

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402161	Total-P	1.86	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P428844

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402165	O-Phosphate-P	0.109	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P429189

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2403072	Total Alkalinity	0.185	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P429500

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2401995	TDS	5.85	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P429282

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402166	Fluoride	0.0	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P429041

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2402010	Organic Carbon	0.136	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: A118714

Included Lab Sample IDs: 2402187, 2402190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	99.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A118715

Included Lab Sample IDs: 2402189

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.5	98.7	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A118720

Included Lab Sample IDs: 2402187, 2402190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.5	98.5	P/P	95 - 105

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A118755

Included Lab Sample IDs: 2402187, 2402190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	96.7	97.7	P/P	90 - 110
Sulfate	97.4	98.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118791

Included Lab Sample IDs: 2402188, 2402191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	104	101	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A118810

Included Lab Sample IDs: 2402188, 2402191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	98.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A118833

Included Lab Sample IDs: 2402188, 2402191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	96.1	93.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A118854

Included Lab Sample IDs: 2402188, 2402191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.3	99.4	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 2320 B-2011

Run ID: A118869

Included Lab Sample IDs: 2402187, 2402190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	93.2	95.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A118899

Included Lab Sample IDs: 2402188, 2402191

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

Reference Method: SM 4500-F- C-2011

Run ID: A118916

Included Lab Sample IDs: 2402187, 2402190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	100	101	P/P	90 - 110
Fluoride	101	101	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		LCS	Precision	MS
						SMP	
DEP SOP: NU-094-1	Color (true)	99.6				0.139	
EPA 180.1 Rev. 2.0	Turbidity	97.5				5.57	
EPA 300.0 Rev. 2.1	Chloride	99.2	101	98.3		0.683	
	Sulfate	100	101	98.1		0.147	
EPA 350.1 Rev. 2.0	Ammonia-N	98.4	99.0	97.8			1.12
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	93.0	97.8	95.3			1.82
EPA 353.2 Rev. 2.0	NO2NO3-N	104	105	104			0.935
EPA 365.1 Rev. 2.0	Total-P	101	101	98.6			1.86
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.6	92.0	92.1			0.109
SM 2320 B-2011	Total Alkalinity	96.2				0.185	
SM 2540 C-2015	TDS	95.4				5.85	
SM 2540 D-2015	TSS	95.3					
SM 4500-F- C-2011	Fluoride	98.8	101	101			0.0
SM 5310 B-2011	Organic Carbon	98.1	95.6	95.4			0.136

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2402187, 2402190
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2402187, 2402190
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2402187, 2402190
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2402187, 2402190
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2402188, 2402191
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2402188, 2402191
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2402188, 2402191
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2402188, 2402191
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2402189
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2402187, 2402190
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2402187, 2402190
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2402187, 2402190
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2402187, 2402190
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2402188, 2402191

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	04/21/2023			04/21/2023 14:40	Alexis Price	2402187
	04/21/2023			04/21/2023 14:41	Alexis Price	2402190
EPA 180.1 Rev. 2.0	04/21/2023			04/21/2023 13:46	Khloe J Berg	2402187
	04/21/2023			04/21/2023 13:48	Khloe J Berg	2402190
EPA 300.0 Rev. 2.1	04/21/2023			04/27/2023 14:17	James L Waggeberby	2402187
	04/21/2023			04/27/2023 17:03	James L Waggeberby	2402190
EPA 350.1 Rev. 2.0	04/21/2023			04/28/2023 12:49	Ping Hua	2402188
	04/21/2023			04/28/2023 12:51	Ping Hua	2402191
EPA 351.2 Rev. 2.0	04/21/2023	04/26/2023 12:25	Dana G. Hughes	04/27/2023 15:33	Ping Hua	2402188
	04/21/2023	04/26/2023 12:25	Dana G. Hughes	04/27/2023 15:34	Ping Hua	2402191
EPA 353.2 Rev. 2.0	04/21/2023			05/02/2023 11:02	Beverly Y. Sanders	2402188
	04/21/2023			05/02/2023 11:03	Beverly Y. Sanders	2402191
EPA 365.1 Rev. 2.0	04/21/2023	04/24/2023 14:38	Adam P Silver	04/26/2023 13:44	Simonne.V. Calhoun	2402188
	04/21/2023	04/24/2023 14:38	Adam P Silver	04/26/2023 13:45	Simonne.V. Calhoun	2402191
EPA 365.1 Rev. 2.0 dissolved SM 2320 B-2011	04/21/2023			04/21/2023 14:41	Elise M. Gillis	2402189
	04/21/2023			04/28/2023 04:35	Dale L. Simmons	2402187
	04/21/2023			04/28/2023 04:46	Dale L. Simmons	2402190
SM 2540 C-2015	04/21/2023			04/26/2023 15:12	Yijie Li	2402187, 2402190
SM 2540 D-2015	04/21/2023			04/26/2023 15:12	Yijie Li	2402187, 2402190
SM 4500-F- C-2011	04/21/2023			05/02/2023 16:10	Dale L. Simmons	2402187
	04/21/2023			05/02/2023 16:30	Dale L. Simmons	2402190
SM 5310 B-2011	04/21/2023			04/27/2023 02:42	Elise M. Gillis	2402188
	04/21/2023			04/27/2023 02:56	Elise M. Gillis	2402191