

Chemical Analysis Report

NE-DIST-2022-03-15-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **LSJR West Boat 2022**

Request ID: **RQ-2022-03-07-23**

Customer: **NE-DIST**

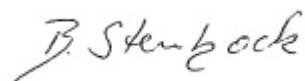
Project ID: **SMP**

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Date Certified: 30-MAR-2022 13:12



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: Black CR South Fork @ CR218

Collection Date/Time: 03/14/2022 14:00

Field ID: 20030244

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2312203	DEP SOP: NU-094-1	Color (true)**	340		PCU	P411177	
	EPA 180.1 Rev. 2.0	Turbidity	4.6		NTU	P411130	
	EPA 300.0 Rev. 2.1	Chloride	7.3		mg Cl/L	P411423	
		Sulfate	2.8		mg SO4/L	P411426	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P411201	
	SM 2540 C-2011	TDS	88		mg/L	P411580	
	SM 2540 D-2011	TSS	3	I	mg/L	P411534	
	SM 4500 F-C-2011	Fluoride	0.042	I	mg F/L	P411204	
2312204	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P411183	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.85		mg N/L	P411277	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.009	I	mg N/L	P411224	
	EPA 365.1 Rev. 2.0	Total-P	0.089		mg P/L	P411389	
	SM 5310 B-2011	Organic Carbon	36		mg C/L	P411294	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Wills BR at Watergate Rd

Collection Date/Time: 03/14/2022 10:35

Field ID: G2NE1183

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2312205	DEP SOP: NU-094-1	Color (true)**	110		PCU	P411177	
	EPA 180.1 Rev. 2.0	Turbidity	4.9		NTU	P411130	
	EPA 300.0 Rev. 2.1	Chloride	15		mg Cl/L	P411423	
		Sulfate	15		mg SO4/L	P411426	
	SM 2320 B-2011	Total Alkalinity	53		mg CaCO3/L	P411201	
	SM 2540 C-2011	TDS	137	A	mg/L	P411580	
	SM 2540 D-2011	TSS	3	IA	mg/L	P411534	
	SM 4500 F-C-2011	Fluoride	0.056	I	mg F/L	P411204	
2312206	EPA 350.1 Rev. 2.0	Ammonia-N	0.16		mg N/L	P411183	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.87		mg N/L	P411221	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.29		mg N/L	P411224	
	EPA 365.1 Rev. 2.0	Total-P	0.059		mg P/L	P411389	
	SM 5310 B-2011	Organic Carbon	14		mg C/L	P411217	

Ref. Method and Comment:

SM 2540 D-2011: 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: P411177

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P411130

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411423

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411426

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P411183

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411221

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411277

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P411224

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P411389

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: P411201

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

Reference Method: SM 2540 C-2011
Batch ID: P411580

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P411534

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P411204

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P411217

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

Reference Method: SM 5310 B-2011
Batch ID: P411294

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: P411177

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.4		P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P411130

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	97.1		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411423

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411426

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P411183

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: P411221

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411277

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	93.4		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P411224

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P411389

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P411201

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.4		P	94 - 106

Reference Method: SM 4500 F-C-2011
Batch ID: P411204

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.9		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P411217

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

Reference Method: SM 5310 B-2011
Batch ID: P411294

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.5		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411423

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312145	Chloride	101		P	90 - 110
2312160	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411426

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312145	Sulfate	99.4		P	90 - 110
2312160	Sulfate	99.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P411183

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312197	Ammonia-N	98.2	97.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411221

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312197	Kjeldahl Nitrogen	104	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411277

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312161	Kjeldahl Nitrogen	98.8	89.1	P/F	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P411224

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312165	NO2NO3-N	94.8	95.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P411389

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312277	Total-P	104	106	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P411204

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312293	Fluoride	99.7	99.1	P/P	92 - 107

Reference Method: SM 5310 B-2011
Batch ID: P411217

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2311943	Organic Carbon	106		P	85 - 115

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P411294

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312295	Organic Carbon	105	90.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P411177

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312195	Color (true)	1.14	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P411130

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312335	Turbidity	11.0	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411423

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312145	Chloride	1.45	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P411426

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312145	Sulfate	1.69	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P411183

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312197	Ammonia-N	1.17	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411221

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312197	Kjeldahl Nitrogen	0.952	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P411277

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312161	Kjeldahl Nitrogen	5.96	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P411224

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312165	NO2NO3-N	1.02	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P411389

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312277	Total-P	1.45	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P411201

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312293	Total Alkalinity	2.56	Sample	P	0 - 5.2

Reference Method: SM 2540 C-2011
Batch ID: P411580

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312205	TDS	4.38	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P411204

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312293	Fluoride	0.500	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P411217

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2311943	Organic Carbon	0.730	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P411294

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312295	Organic Carbon	7.85	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A110947

Included Lab Sample IDs: 2312203, 2312205

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	99.5	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1

Run ID: A110969

Included Lab Sample IDs: 2312203, 2312205

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.2	99.3	P/P	85 - 115
Color (true)	99.7	99.3	P/P	85 - 115

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A110971

Included Lab Sample IDs: 2312204, 2312206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.3	97.8	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A110979

Included Lab Sample IDs: 2312203, 2312205

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.4	96.2	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A110979

Included Lab Sample IDs: 2312203, 2312205

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

Reference Method: SM 5310 B-2011

Run ID: A110989

Included Lab Sample IDs: 2312206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.4	97.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A110993

Included Lab Sample IDs: 2312204, 2312206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	99.5	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A110994

Included Lab Sample IDs: 2312203, 2312205

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A110994

Included Lab Sample IDs: 2312203, 2312205

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sulfate	100	99.9	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A111024

Included Lab Sample IDs: 2312204

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	101	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A111063

Included Lab Sample IDs: 2312206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	97.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A111110

Included Lab Sample IDs: 2312204, 2312206

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A111130

Included Lab Sample IDs: 2312204

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.2	96.3	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)	98.4			1.14	
EPA 180.1 Rev. 2.0	Turbidity	97.1			11.0	
EPA 300.0 Rev. 2.1	Chloride	103	101	101	1.45	
	Sulfate	100	99.4	99.5	1.69	
EPA 350.1 Rev. 2.0	Ammonia-N	99.8	98.2	97.0		1.17
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	100	104	103		0.952
	Kjeldahl Nitrogen	93.4	98.8	89.1		5.96
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	98.5	94.8	95.8		1.02
EPA 365.1 Rev. 2.0	Total-P	103	104	106		1.45
SM 2320 B-2011	Total Alkalinity	97.4			2.56	
SM 2540 C-2011	TDS				4.38	
SM 4500 F-C-2011	Fluoride	98.9	99.7	99.1		0.500
SM 5310 B-2011	Organic Carbon	94.4	106			0.730
	Organic Carbon	96.5	105	90.8		7.85

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2312203, 2312205
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2312203, 2312205
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2312203, 2312205
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2312203, 2312205
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2312204, 2312206
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2312204, 2312206
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2312204, 2312206
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2312204, 2312206
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2312203, 2312205
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2312203, 2312205
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2312203, 2312205
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2312203, 2312205
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2312204, 2312206

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	03/15/2022			03/15/2022 16:15	Anna M. Plaviak	2312205
	03/15/2022			03/15/2022 16:37	Anna M. Plaviak	2312203
EPA 180.1 Rev. 2.0	03/15/2022			03/15/2022 14:19	Khloe J Berg	2312203
	03/15/2022			03/15/2022 14:21	Khloe J Berg	2312205
EPA 300.0 Rev. 2.1	03/15/2022			03/18/2022 21:32	Anna M. Plaviak	2312203
	03/15/2022			03/18/2022 21:44	Anna M. Plaviak	2312205
EPA 350.1 Rev. 2.0	03/15/2022			03/16/2022 11:32	Ping Hua	2312204
	03/15/2022			03/16/2022 11:34	Ping Hua	2312206
EPA 351.2 Rev. 2.0	03/15/2022	03/18/2022 09:50	Samantha L Bates	03/21/2022 13:41	Alexandra J Mattheus	2312206
	03/15/2022	03/22/2022 11:30	Samantha L Bates	03/24/2022 12:40	Alexandra J Mattheus	2312204
EPA 353.2 Rev. 2.0	03/15/2022			03/17/2022 10:02	Beverly Y. Sanders	2312204
	03/15/2022			03/17/2022 10:03	Beverly Y. Sanders	2312206
EPA 365.1 Rev. 2.0	03/15/2022	03/22/2022 17:15	Simonne.V. Calhoun	03/23/2022 12:19	Sarah A Nixon	2312204
	03/15/2022	03/22/2022 17:15	Simonne.V. Calhoun	03/23/2022 12:20	Sarah A Nixon	2312206
SM 2320 B-2011	03/15/2022			03/16/2022 19:24	Dale L. Simmons	2312203
	03/15/2022			03/16/2022 19:38	Dale L. Simmons	2312205
SM 2540 C-2011	03/15/2022			03/18/2022 15:46	Yijie Li	2312203, 2312205
SM 2540 D-2011	03/15/2022			03/18/2022 15:46	Yijie Li	2312203, 2312205
SM 4500 F-C-2011	03/15/2022			03/16/2022 19:24	Dale L. Simmons	2312203
	03/15/2022			03/16/2022 19:38	Dale L. Simmons	2312205
SM 5310 B-2011	03/15/2022			03/16/2022 19:14	Khloe J Berg	2312206
	03/15/2022			03/17/2022 22:36	Khloe J Berg	2312204