

Chemical Analysis Report

TLH-ROC-2022-04-05-01

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

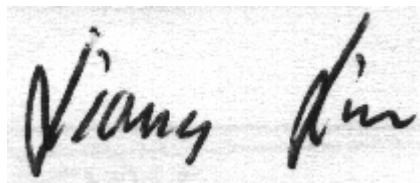
Event Description: **Run 5**
Request ID: **RQ-2022-01-03-55**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
Attn: Michael Eckles

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Certified by: Liang Lin, Environmental Administrator

Date Certified: 25-APR-2022 12:49

A handwritten signature in black ink, appearing to read "Liang Lin", is shown on a light-colored 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: Sally Ward Spring

Collection Date/Time: 04/05/2022 10:45

Field ID: G1TLHR0153

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2316736	DEP SOP: NU-094-1	Color (true)**	2.5	U	PCU	P411984	
	EPA 180.1 Rev. 2.0	Turbidity	0.30	I	NTU	P411991	
	EPA 300.0 Rev. 2.1	Chloride	8.7		mg Cl/L	P412226	
		Sulfate	9.7		mg SO4/L	P412235	
	SM 2320 B-2011	Total Alkalinity	155		mg CaCO3/L	P412137	
	SM 2540 C-2011	TDS	175		mg/L	P412257	
	SM 2540 D-2011	TSS	3	I	mg/L	P412128	
	SM 4500-F- C-2011	Fluoride	0.13		mg F/L	P412140	
2316738	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P412081	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.093	I	mg N/L	P412214	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.56		mg N/L	P412067	
	EPA 365.1 Rev. 2.0	Total-P	0.036		mg P/L	P412091	
	SM 5310 B-2011	Organic Carbon	0.68	I	mg C/L	P412108	
2316740	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.032		mg P/L	P411982	

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: INDIAN SPRINGS

Collection Date/Time: 04/05/2022 11:10

Field ID: G1TLHR0154

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2316737	DEP SOP: NU-094-1	Color (true)**	3.4	I	PCU	P411984	
	EPA 180.1 Rev. 2.0	Turbidity	0.45	I	NTU	P411991	
	EPA 300.0 Rev. 2.1	Chloride	6.6		mg Cl/L	P412226	
		Sulfate	7.2		mg SO4/L	P412235	
	SM 2320 B-2011	Total Alkalinity	141		mg CaCO3/L	P412137	
	SM 2540 C-2011	TDS	162		mg/L	P412257	
	SM 2540 D-2011	TSS	2	U	mg/L	P412128	
	SM 4500-F- C-2011	Fluoride	0.12		mg F/L	P412140	
2316739	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P412081	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.15	I	mg N/L	P412214	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.33		mg N/L	P412067	
	EPA 365.1 Rev. 2.0	Total-P	0.038		mg P/L	P412091	
	SM 5310 B-2011	Organic Carbon	1.1		mg C/L	P412108	
2316741	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.032		mg P/L	P411982	

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: P411984

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P411991

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412226

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412235

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P412081

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P412214

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P412067

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P412091

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P411982

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: P412137

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

Reference Method: SM 2540 C-2011
Batch ID: P412257

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P412128

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P412140

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P412108

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: P411984

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	101		P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P411991

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412226

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412235

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P412081

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	96.4		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P412214

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	97.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P412067

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	102		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P412091

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P411982

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.9		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P412137

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.5		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P412140

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.3		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P412108

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: P412226

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316179	Chloride	97.7		P	90 - 110
2316422	Chloride	97.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412235

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316179	Sulfate	99.0		P	90 - 110
2316422	Sulfate	97.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P412081

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316563	Ammonia-N	93.2	96.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P412214

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316738	Kjeldahl Nitrogen	102	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P412067

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316451	NO2NO3-N	98.2		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P412091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316427	Total-P	104	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P411982

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316740	O-Phosphate-P	97.6	98.3	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P412140

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316174	Fluoride	98.3	97.7	P/P	92 - 107

Reference Method: SM 5310 B-2011
Batch ID: P412108

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2316699	Organic Carbon	97.8	93.4	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P411984

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316562	Color (true)	2.60	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P411991

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316597	Turbidity	13.7	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412226

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316179	Chloride	0.281	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P412235

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316179	Sulfate	0.186	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P412081

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316563	Ammonia-N	3.53	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P412214

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316738	Kjeldahl Nitrogen	2.60	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P412067

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316451	NO2NO3-N	0.467	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P412091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316427	Total-P	1.33	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P411982

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316740	O-Phosphate-P	0.537	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P412137

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316174	Total Alkalinity	1.42	Sample	P	0 - 5.2

Reference Method: SM 2540 C-2011
Batch ID: P412257

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316698	TDS	1.04	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P412140

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316174	Fluoride	0.492	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P412108

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2316699	Organic Carbon	2.27	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A111312

Included Lab Sample IDs: 2316740, 2316741

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.5	99.3	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A111313

Included Lab Sample IDs: 2316736, 2316737

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	102	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A111318

Included Lab Sample IDs: 2316736, 2316737

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: A111361

Included Lab Sample IDs: 2316738, 2316739

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A111365

Included Lab Sample IDs: 2316738, 2316739

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.1	97.3	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A111368

Included Lab Sample IDs: 2316736, 2316737

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	98.7	96.8	P/P	90 - 110
Sulfate	99.1	99.1	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A111373

Included Lab Sample IDs: 2316738, 2316739

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.0	97.7	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A111388

Included Lab Sample IDs: 2316736, 2316737

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

Quality Assurance Report Calibration Verification

Reference Method: SM 4500-F- C-2011

Run ID: A111388

Included Lab Sample IDs: 2316736, 2316737

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A111436

Included Lab Sample IDs: 2316738, 2316739

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.5	99.0	P/P	90 - 110
Total-P	99.5	98.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A111545

Included Lab Sample IDs: 2316738, 2316739

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	96.0	P/P	90 - 110
Kjeldahl Nitrogen	98.6	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)	101			2.60	
EPA 180.1 Rev. 2.0	Turbidity	96.2			13.7	
EPA 300.0 Rev. 2.1	Chloride	99.5	97.7	97.2	0.281	
	Sulfate	99.5	99.0	97.8	0.186	
EPA 350.1 Rev. 2.0	Ammonia-N	96.4	93.2	96.8		3.53
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	97.9	102	105		2.60
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	102	98.2			0.467
EPA 365.1 Rev. 2.0	Total-P	99.0	104	102		1.33
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.9	97.6	98.3		0.537
SM 2320 B-2011	Total Alkalinity	98.5			1.42	
SM 2540 C-2011	TDS				1.04	
SM 4500-F- C-2011	Fluoride	98.3	98.3	97.7		0.492
SM 5310 B-2011	Organic Carbon	98.1	97.8	93.4		2.27

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2316736, 2316737
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2316736, 2316737
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2316736, 2316737
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2316736, 2316737
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2316738, 2316739
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2316738, 2316739
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2316738, 2316739
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2316738, 2316739
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2316740, 2316741
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2316736, 2316737
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2316736, 2316737
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2316736, 2316737
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2316736, 2316737
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2316738, 2316739

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	04/05/2022			04/05/2022 15:05	Anna M. Plaviak	2316736
	04/05/2022			04/05/2022 15:06	Anna M. Plaviak	2316737
EPA 180.1 Rev. 2.0	04/05/2022			04/05/2022 14:51	Khloe J Berg	2316736
	04/05/2022			04/05/2022 14:52	Khloe J Berg	2316737
EPA 300.0 Rev. 2.1	04/05/2022			04/08/2022 01:20	Anna M. Plaviak	2316736
	04/05/2022			04/08/2022 01:32	Anna M. Plaviak	2316737
EPA 350.1 Rev. 2.0	04/05/2022			04/07/2022 11:05	Ping Hua	2316738
	04/05/2022			04/07/2022 11:07	Ping Hua	2316739
EPA 351.2 Rev. 2.0	04/05/2022	04/12/2022 09:01	Samantha L Bates	04/18/2022 16:00	Alexandra J Mattheus	2316738
	04/05/2022	04/12/2022 09:01	Samantha L Bates	04/18/2022 16:08	Alexandra J Mattheus	2316739
EPA 353.2 Rev. 2.0	04/05/2022			04/07/2022 10:19	Beverly Y. Sanders	2316738
	04/05/2022			04/07/2022 10:20	Beverly Y. Sanders	2316739
EPA 365.1 Rev. 2.0	04/05/2022	04/11/2022 17:15	Simonne.V. Calhoun	04/12/2022 16:06	James L Waggeberby	2316738
	04/05/2022	04/11/2022 17:15	Simonne.V. Calhoun	04/12/2022 16:13	James L Waggeberby	2316739
EPA 365.1 Rev. 2.0 dissolved	04/05/2022			04/05/2022 14:51	Nathaniel J Jones	2316740
	04/05/2022			04/05/2022 14:56	Nathaniel J Jones	2316741
SM 2320 B-2011	04/05/2022			04/08/2022 07:48	Dale L. Simmons	2316736
	04/05/2022			04/08/2022 08:02	Dale L. Simmons	2316737
SM 2540 C-2011	04/05/2022			04/07/2022 13:30	Simonne.V. Calhoun	2316736, 2316737
SM 2540 D-2011	04/05/2022			04/07/2022 13:30	Simonne.V. Calhoun	2316736, 2316737
SM 4500-F- C-2011	04/05/2022			04/08/2022 07:48	Dale L. Simmons	2316736
	04/05/2022			04/08/2022 08:02	Dale L. Simmons	2316737
SM 5310 B-2011	04/05/2022			04/07/2022 19:39	Khloe J Berg	2316738
	04/05/2022			04/07/2022 19:54	Khloe J Berg	2316739