

Chemical Analysis Report

SW-DIST-2023-06-07-01

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

Event Description: **Run 18**
Request ID: **RQ-2023-06-05-18**
Customer: **SW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
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Date Certified: 26-JUN-2023 12:03



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: ITCHEPACKESASSA CREEK IN PARK

Collection Date/Time: 06/06/2023 08:45

Field ID: G2SW0145

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2415591	DEP SOP: NU-094-1	Color (true)	150		PCU	P430941	
	EPA 180.1 Rev. 2.0	Turbidity	6.9		NTU	P430946	
	EPA 300.0 Rev. 2.1	Chloride	18		mg Cl/L	P431032	
		Sulfate	18		mg SO4/L	P431034	
	SM 2320 B-2011	Total Alkalinity	57		mg CaCO3/L	P431145	
	SM 2540 C-2015	TDS	153		mg/L	P431306	
	SM 2540 D-2015	TSS	10		mg/L	P431089	
	SM 4500-F- C-2011	Fluoride	0.32		mg F/L	P431629	
2415593	EPA 350.1 Rev. 2.0	Ammonia-N	0.062		mg N/L	P430999	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P431058	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.062		mg N/L	P431251	
	EPA 365.1 Rev. 2.0	Total-P	0.74		mg P/L	P431052	
	SM 5310 B-2011	Organic Carbon	18		mg C/L	P431164	

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: LAKE WIMAUMA DRAIN IN LIL MANATEE PRESERVE

Collection Date/Time: 06/06/2023 14:10

Field ID: G2SW0166

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2415592	DEP SOP: NU-094-1	Color (true)	36		PCU	P430941	
	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P430946	
	EPA 300.0 Rev. 2.1	Chloride	23		mg Cl/L	P431032	
		Sulfate	150		mg SO4/L	P431229	
	SM 2320 B-2011	Total Alkalinity	7.4		mg CaCO3/L	P431145	
	SM 2540 C-2015	TDS	320		mg/L	P431306	
	SM 2540 D-2015	TSS	2	I	mg/L	P431089	
	SM 4500-F- C-2011	Fluoride	0.26		mg F/L	P431629	
2415594	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P431185	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.39		mg N/L	P431058	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P431251	
	EPA 365.1 Rev. 2.0	Total-P	0.090		mg P/L	P431052	
	SM 5310 B-2011	Organic Carbon	8.7		mg C/L	P431164	

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: P430941

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430946

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431032

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431034

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431229

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430999

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431185

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431058

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431251

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431052

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

Reference Method: SM 2320 B-2011
Batch ID: P431145

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

Reference Method: SM 2540 C-2015
Batch ID: P431306

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P431089

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P431629

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P431164

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: P430941

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.8		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430946

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431032

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431034

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431229

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430999

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431185

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431058

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431251

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	94.5		P	90 - 110

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431052

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

Reference Method: SM 2320 B-2011
Batch ID: P431145

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.8		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P431306

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.5		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P431089

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	95.9		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P431629

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.4		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P431164

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.4		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431032

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415188	Chloride	105		P	90 - 110
2415432	Chloride	103		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431034

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415188	Sulfate	94.5		P	90 - 110
2415432	Sulfate	96.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431229

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415731	Sulfate	94.3		P	90 - 110
2415980	Sulfate	97.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430999

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415361	Ammonia-N	98.0	96.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431185

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416260	Ammonia-N	97.8	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431058

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415364	Kjeldahl Nitrogen	104	103	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431251

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415594	NO2NO3-N	94.3	94.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431052

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415433	Total-P	103	104	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P431629

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415722	Fluoride	99.1	99.7	P/P	94 - 106

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P431164

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415594	Organic Carbon	95.4	96.5	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P430941

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415434	Color (true)	8.14	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430946

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415356	Turbidity	2.06	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431032

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415188	Chloride	0.692	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431034

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415188	Sulfate	1.03	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431229

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415731	Sulfate	1.30	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430999

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415361	Ammonia-N	1.04	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431185

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416260	Ammonia-N	1.96	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431058

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415364	Kjeldahl Nitrogen	0.372	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431251

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415594	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431052

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415433	Total-P	1.25	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P431145

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416069	Total Alkalinity	2.39	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P431306

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2414566	TDS	5.76	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P431629

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415722	Fluoride	0.500	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P431164

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415594	Organic Carbon	0.789	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A119605

Included Lab Sample IDs: 2415591, 2415592

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	95.8	95.9	P/P	90 - 110
Sulfate	97.7	98.4	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A119640

Included Lab Sample IDs: 2415591, 2415592

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A119642

Included Lab Sample IDs: 2415591, 2415592

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.5	97.0	P/P	95 - 105

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A119665

Included Lab Sample IDs: 2415593

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.3	99.0	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A119730

Included Lab Sample IDs: 2415591, 2415592

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.9	94.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A119736

Included Lab Sample IDs: 2415593, 2415594

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

Reference Method: SM 5310 B-2011

Run ID: A119749

Included Lab Sample IDs: 2415593, 2415594

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.8	98.8	P/P	90 - 110
Organic Carbon	98.8	98.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A119760

Included Lab Sample IDs: 2415594

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A119760

Included Lab Sample IDs: 2415594

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.2	98.7	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A119778

Included Lab Sample IDs: 2415592

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sulfate	99.1	97.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A119789

Included Lab Sample IDs: 2415593, 2415594

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	96.5	95.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A119801

Included Lab Sample IDs: 2415593, 2415594

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

Reference Method: SM 4500-F- C-2011

Run ID: A119960

Included Lab Sample IDs: 2415591, 2415592

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	102	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		Precision	
					LCS	MS
DEP SOP: NU-094-1	Color (true)	99.8			8.14	
EPA 180.1 Rev. 2.0	Turbidity	97.3			2.06	
EPA 300.0 Rev. 2.1	Chloride	99.8	105	103	0.692	
	Sulfate	98.8	94.5	96.9	1.03	
	Sulfate	98.7	94.3	97.1	1.30	
EPA 350.1 Rev. 2.0	Ammonia-N	95.6	98.0	96.2		1.04
	Ammonia-N	97.6	97.8	101		1.96
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	96.0	104	103		0.372
EPA 353.2 Rev. 2.0	NO2NO3-N	94.5	94.3	94.3		0.0
EPA 365.1 Rev. 2.0	Total-P	103	103	104		1.25
SM 2320 B-2011	Total Alkalinity	97.8			2.39	
SM 2540 C-2015	TDS	94.5			5.76	
SM 2540 D-2015	TSS	95.9				
SM 4500-F- C-2011	Fluoride	98.4	99.1	99.7		0.500
SM 5310 B-2011	Organic Carbon	96.4	95.4	96.5		0.789

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2415591, 2415592
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2415591, 2415592
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2415591, 2415592
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2415591, 2415592
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2415593, 2415594
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2415593, 2415594
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2415593, 2415594
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2415593, 2415594
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2415591, 2415592
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2415591, 2415592
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2415591, 2415592
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2415591, 2415592
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2415593, 2415594

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	06/07/2023			06/07/2023 15:03	Chandler E Cox	2415591
	06/07/2023			06/07/2023 15:04	Chandler E Cox	2415592
EPA 180.1 Rev. 2.0	06/07/2023			06/07/2023 13:45	Alexis Price	2415591
	06/07/2023			06/07/2023 13:46	Alexis Price	2415592
EPA 300.0 Rev. 2.1	06/07/2023			06/08/2023 22:01	James L Waggeberby	2415591
	06/07/2023			06/08/2023 22:16	James L Waggeberby	2415592
	06/07/2023			06/13/2023 12:15	James L Waggeberby	2415592
EPA 350.1 Rev. 2.0	06/07/2023			06/08/2023 13:10	Khloe J Berg	2415593
	06/07/2023			06/13/2023 11:16	Khloe J Berg	2415594
	06/07/2023	06/09/2023 12:42	Simonne.V. Calhoun	06/14/2023 12:15	Samantha L Bates	2415593
EPA 351.2 Rev. 2.0	06/07/2023	06/09/2023 12:42	Simonne.V. Calhoun	06/14/2023 12:16	Samantha L Bates	2415594
EPA 353.2 Rev. 2.0	06/07/2023			06/14/2023 10:01	Beverly Y. Sanders	2415594
	06/07/2023			06/14/2023 10:13	Beverly Y. Sanders	2415593
EPA 365.1 Rev. 2.0	06/07/2023	06/09/2023 16:53	Adam P Silver	06/12/2023 14:25	James L Waggeberby	2415593
	06/07/2023	06/09/2023 16:53	Adam P Silver	06/12/2023 14:26	James L Waggeberby	2415594
SM 2320 B-2011	06/07/2023			06/11/2023 04:25	Dale L. Simmons	2415591
	06/07/2023			06/11/2023 04:34	Dale L. Simmons	2415592
SM 2540 C-2015	06/07/2023			06/08/2023 15:07	Yijie Li	2415591, 2415592
SM 2540 D-2015	06/07/2023			06/08/2023 15:07	Yijie Li	2415591, 2415592
SM 4500-F- C-2011	06/07/2023			06/21/2023 19:51	Dale L. Simmons	2415591
	06/07/2023			06/21/2023 19:56	Dale L. Simmons	2415592
SM 5310 B-2011	06/07/2023			06/12/2023 14:17	Elise M. Gillis	2415594
	06/07/2023			06/12/2023 18:25	Elise M. Gillis	2415593