Chemical Analysis Report

CEN-DIST-2022-08-25-01

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

Event Description: **Lake Dias + Blank**
Request ID: **RQ-2022-08-22-21**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
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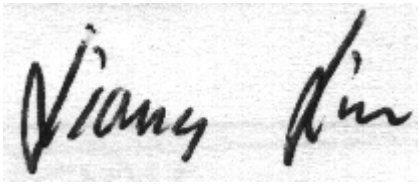
Date Certified: 14-SEP-2022 10:23



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 Dias @ Center **Collection Date/Time: 08/24/2022 12:00**

Field ID: G2CE0235 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2352280	DEP SOP: NU-094-1	Color (true)	50		PCU	P419355	
	EPA 180.1 Rev. 2.0	Turbidity	2.0		NTU	P418701	
	EPA 300.0 Rev. 2.1	Chloride	18		mg Cl/L	P419118	
		Sulfate	4.4		mg SO4/L	P419123	
	SM 2320 B-2011	Total Alkalinity	22		mg CaCO3/L	P419055	
	SM 2540 C-2011	TDS	76		mg/L	P419111	
	SM 2540 D-2011	TSS	3	I	mg/L	P419148	
	SM 4500-F- C-2011	Fluoride	0.045	I	mg F/L	P419391	
2352281	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L	P418876	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.83		mg N/L	P418822	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P418997	
	EPA 365.1 Rev. 2.0	Total-P	0.027		mg P/L	P419131	
	SM 5310 B-2011	Organic Carbon	13		mg C/L	P419028	

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: FB **Collection Date/Time: 08/24/2022 12:30**

Field ID: FB_08242022 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2352282	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P419355	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P418701	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P419118	
		Sulfate	0.20	U	mg SO4/L	P419123	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P419055	
	SM 2540 C-2011	TDS	15	U	mg/L	P419110	
	SM 2540 D-2011	TSS	2	U	mg/L	P419147	
	SM 4500-F- C-2011	Fluoride	0.035	U	mg F/L	P419391	
2352283	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P418886	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P418823	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P418997	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P419131	
	SM 5310 B-2011	Organic Carbon	0.50	U	mg C/L	P419028	

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: P419355

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418701

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419118

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419123

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418876

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418886

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418822

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418823

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P418997

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: P419131

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

Reference Method: SM 2320 B-2011
Batch ID: P419055

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2540 C-2011
Batch ID: P419110

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2011
Batch ID: P419111

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P419147

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P419148

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P419391

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P419028

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: P419355

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.8		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418701

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: P419118

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419123

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418876

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.2		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418886

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418822

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418823

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P418997

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419131

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

Reference Method: SM 2320 B-2011
Batch ID: P419055

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	101		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P419391

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	101		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P419028

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.9		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419118

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352251	Chloride	102		P	90 - 110
2352372	Chloride	102		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419123

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352251	Sulfate	98.9		P	90 - 110
2352372	Sulfate	96.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418876

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352276	Ammonia-N	97.8	99.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418886

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352296	Ammonia-N	95.2	95.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418822

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352206	Kjeldahl Nitrogen	106	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418823

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352296	Kjeldahl Nitrogen	100	96.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P418997

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352281	NO2NO3-N	103	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419131

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352281	Total-P	104	106	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P419391

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352507	Fluoride	97.9	98.7	P/P	94 - 104

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P419028

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352443	Organic Carbon	96.7	97.4	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P419355

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352330	Color (true)	2.20	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418701

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352330	Turbidity	1.91	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419118

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352251	Chloride	0.713	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419123

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352251	Sulfate	0.737	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418876

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352276	Ammonia-N	0.948	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418886

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352296	Ammonia-N	0.195	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418822

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352206	Kjeldahl Nitrogen	0.0426	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418823

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352296	Kjeldahl Nitrogen	1.70	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P418997

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352281	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419131

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352281	Total-P	1.83	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P419055

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352218	Total Alkalinity	0.138	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011
Batch ID: P419110

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2351834	TDS	0.418	Sample	P	0 - 10

Reference Method: SM 2540 C-2011
Batch ID: P419111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352222	TDS	3.13	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P419391

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352507	Fluoride	0.509	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P419028

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352443	Organic Carbon	0.657	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: A114350
Included Lab Sample IDs: 2352280, 2352282

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A114432
Included Lab Sample IDs: 2352281

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.6	99.3	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A114437
Included Lab Sample IDs: 2352283

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.5	96.1	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A114482
Included Lab Sample IDs: 2352281, 2352283

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	95.1	P/P	90 - 110
Kjeldahl Nitrogen	95.1	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A114485
Included Lab Sample IDs: 2352281, 2352283

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

Reference Method: SM 5310 B-2011
Run ID: A114499
Included Lab Sample IDs: 2352281, 2352283

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	97.7	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A114513
Included Lab Sample IDs: 2352280, 2352282

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	97.3	101	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A114542
Included Lab Sample IDs: 2352280, 2352282

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

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A114542
Included Lab Sample IDs: 2352280, 2352282

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	102	103	P/P	90 - 110
Sulfate	101	102	P/P	90 - 110
Sulfate	102	102	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1
Run ID: A114635
Included Lab Sample IDs: 2352280, 2352282

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.3	98.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A114650
Included Lab Sample IDs: 2352281, 2352283

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	101	99.0	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A114660
Included Lab Sample IDs: 2352280, 2352282

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	102	100	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	SMP	MS
DEP SOP: NU-094-1	Color (true)	98.8				2.20	
EPA 180.1 Rev. 2.0	Turbidity	96.2				1.91	
EPA 300.0 Rev. 2.1	Chloride	103	102	102		0.713	
	Sulfate	100	98.9	96.9		0.737	
EPA 350.1 Rev. 2.0	Ammonia-N	97.2	97.8	99.4			0.948
	Ammonia-N	96.8	95.2	95.4			0.195
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	97.8	106	105			0.0426
	Kjeldahl Nitrogen	104	100	96.9			1.70
EPA 353.2 Rev. 2.0	NO2NO3-N	102	103	103			0.0
EPA 365.1 Rev. 2.0	Total-P	104	104	106			1.83
SM 2320 B-2011	Total Alkalinity	101				0.138	
SM 2540 C-2011	TDS					0.418	
	TDS					3.13	
SM 4500-F- C-2011	Fluoride	101	97.9	98.7			0.509
SM 5310 B-2011	Organic Carbon	95.9	96.7	97.4			0.657

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2352280, 2352282
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2352280, 2352282
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2352280, 2352282
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2352280, 2352282
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2352281, 2352283
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2352281, 2352283
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2352281, 2352283
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2352281, 2352283
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2352280, 2352282
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2352280, 2352282
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2352280, 2352282
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2352280, 2352282
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2352281, 2352283

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	08/25/2022			08/25/2022 11:13	Anna M. Plaviak	2352280, 2352282
EPA 180.1 Rev. 2.0	08/25/2022			08/25/2022 11:04	Chandler E Cox	2352280
	08/25/2022			08/25/2022 11:05	Chandler E Cox	2352282
EPA 300.0 Rev. 2.1	08/25/2022			09/03/2022 10:41	Anna M. Plaviak	2352280
	08/25/2022			09/03/2022 11:26	Anna M. Plaviak	2352282
EPA 350.1 Rev. 2.0	08/25/2022			08/30/2022 13:08	Ping Hua	2352281
	08/25/2022			08/30/2022 14:46	Judith K. Clark	2352283
EPA 351.2 Rev. 2.0	08/25/2022	08/30/2022 14:31	Samantha L Bates	09/01/2022 11:05	Alexandra J Mattheus	2352281
	08/25/2022	08/30/2022 14:31	Samantha L Bates	09/01/2022 11:21	Alexandra J Mattheus	2352283
EPA 353.2 Rev. 2.0	08/25/2022			09/01/2022 11:47	Beverly Y. Sanders	2352281
	08/25/2022			09/01/2022 11:49	Beverly Y. Sanders	2352283
EPA 365.1 Rev. 2.0	08/25/2022	09/07/2022 16:10	Simonne.V. Calhoun	09/09/2022 13:02	James L Waggerby	2352283
	08/25/2022	09/07/2022 16:10	Simonne.V. Calhoun	09/09/2022 13:03	James L Waggerby	2352281
SM 2320 B-2011	08/25/2022			09/01/2022 01:37	Dale L. Simmons	2352280
	08/25/2022			09/01/2022 01:43	Dale L. Simmons	2352282
SM 2540 C-2011	08/25/2022			08/29/2022 16:08	Yijie Li	2352280, 2352282
SM 2540 D-2011	08/25/2022			08/29/2022 16:08	Yijie Li	2352280, 2352282
SM 4500-F- C-2011	08/25/2022			09/09/2022 19:38	Dale L. Simmons	2352280
	08/25/2022			09/09/2022 19:43	Dale L. Simmons	2352282
SM 5310 B-2011	08/25/2022			09/01/2022 19:42	Khloe J Berg	2352281
	08/25/2022			09/01/2022 19:56	Khloe J Berg	2352283