

Chemical Analysis Report

CEN-DIST-2022-05-17-01

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

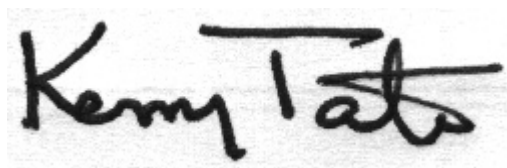
Event Description: **BMAP - Sweetwater and Salt**
Request ID: **RQ-2022-05-16-37**
Customer: **CEN-DIST**
Project ID: **BMAP**

Send Reports to:
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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 09-JUN-2022 12:51

A handwritten signature in black ink that reads "Kerry Tate". The signature is written in a cursive, flowing style with a horizontal line above the first name.

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: Sweetwater Creek at Florida Avenue

Collection Date/Time: 05/16/2022 10:52

Field ID: G2CE0123

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2327373	DEP SOP: NU-094-1	Color (true)**	60		PCU	P413973	
	EPA 180.1 Rev. 2.0	Turbidity	2.5		NTU	P413978	
	EPA 300.0 Rev. 2.1	Chloride	270		mg Cl/L	P414106	
		Sulfate	36		mg SO4/L	P414110	
	SM 2320 B-2011	Total Alkalinity	143		mg CaCO3/L	P414067	
	SM 2540 C-2011	TDS	668		mg/L	P414398	
	SM 2540 D-2011	TSS	3	I	mg/L	P414313	
	SM 4500-F- C-2011	Fluoride	0.28		mg F/L	P414070	
2327375	EPA 350.1 Rev. 2.0	Ammonia-N	0.047		mg N/L	P414363	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.88		mg N/L	P414239	
	EPA 353.2 Rev. 2.0	NO2NO3-N	1.2		mg N/L	P414276	
	EPA 365.1 Rev. 2.0	Total-P	0.47		mg P/L	P414058	
	SM 5310 B-2011	Organic Carbon	9.9		mg C/L	P414079	
2327377	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.42		mg P/L	P414002	

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: Salt Creek @ Packard Ave

Collection Date/Time: 05/16/2022 11:15

Field ID: G2CE0088

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2327374	DEP SOP: NU-094-1	Color (true)**	73		PCU	P413973	
	EPA 180.1 Rev. 2.0	Turbidity	1.8		NTU	P413978	
	EPA 300.0 Rev. 2.1	Chloride	1.2E+03		mg Cl/L	P414106	
		Sulfate	170		mg SO4/L	P414110	
	SM 2320 B-2011	Total Alkalinity	131		mg CaCO3/L	P414067	
	SM 2540 C-2011	TDS	2.27E+03		mg/L	P414398	
	SM 2540 D-2011	TSS	2	I	mg/L	P414313	
	SM 4500-F- C-2011	Fluoride	0.13		mg F/L	P414070	
2327376	EPA 350.1 Rev. 2.0	Ammonia-N	0.089		mg N/L	P414363	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.68		mg N/L	P414239	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.18		mg N/L	P414276	
	EPA 365.1 Rev. 2.0	Total-P	0.26		mg P/L	P414058	
	SM 5310 B-2011	Organic Carbon	9.5		mg C/L	P414079	
2327378	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.23		mg P/L	P414002	

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: P413973

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P413978

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414106

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414110

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414363

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414239

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P414276

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P414058

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P414002

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: P414067

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

Reference Method: SM 2540 C-2011
Batch ID: P414398

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P414313

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P414070

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P414079

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: P413973

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.5		P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P413978

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	97.4		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414106

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414110

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: P414363

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: P414239

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P414276

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: P414058

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P414002

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P414067

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.7		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P414070

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.9		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P414079

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: P414106

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2326976	Chloride	102		P	90 - 110
2327287	Chloride	102		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414110

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2326976	Sulfate	99.0		P	90 - 110
2327287	Sulfate	97.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414363

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327259	Ammonia-N	95.0	93.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414239

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327116	Kjeldahl Nitrogen	94.9	106	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P414276

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327325	NO2NO3-N	97.4	95.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P414058

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327392	Total-P	109	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P414002

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327245	O-Phosphate-P	95.9	96.5	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P414070

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327257	Fluoride	97.5	96.7	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P414079

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2327376	Organic Carbon	94.9	95.5	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P413973

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327320	Color (true)	0.914	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P413978

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327385	Turbidity	0.966	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414106

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2326976	Chloride	2.95	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P414110

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2326976	Sulfate	1.71	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414363

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327259	Ammonia-N	0.856	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414239

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327116	Kjeldahl Nitrogen	7.67	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P414276

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327325	NO2NO3-N	1.61	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P414058

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327392	Total-P	0.807	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P414002

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327245	O-Phosphate-P	0.577	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P414067

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327257	Total Alkalinity	1.61	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011
Batch ID: P414398

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327324	TDS	5.13	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P414070

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327257	Fluoride	0.473	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P414079

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2327376	Organic Carbon	0.455	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: A112198

Included Lab Sample IDs: 2327373, 2327374

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

Reference Method: DEP SOP: NU-094-1

Run ID: A112208

Included Lab Sample IDs: 2327373, 2327374

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: A112209

Included Lab Sample IDs: 2327373, 2327374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	101	100	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A112219

Included Lab Sample IDs: 2327377, 2327378

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.4	99.8	P/P	90 - 110
O-Phosphate-P	99.8	98.9	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A112245

Included Lab Sample IDs: 2327373, 2327374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.2	96.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A112245

Included Lab Sample IDs: 2327373, 2327374

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

Reference Method: SM 5310 B-2011

Run ID: A112250

Included Lab Sample IDs: 2327375, 2327376

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.4	95.8	P/P	90 - 110
Organic Carbon	96.8	96.4	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A112335

Included Lab Sample IDs: 2327375, 2327376

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A112355

Included Lab Sample IDs: 2327375, 2327376

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	96.0	96.5	P/P	90 - 110
NO2NO3-N	96.5	96.0	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A112397

Included Lab Sample IDs: 2327375, 2327376

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.1	97.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112417

Included Lab Sample IDs: 2327375, 2327376

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	99.6	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)	99.5			0.914	
EPA 180.1 Rev. 2.0	Turbidity	97.4			0.966	
EPA 300.0 Rev. 2.1	Chloride	101	102	102	2.95	
	Sulfate	99.5	99.0	97.8	1.71	
EPA 350.1 Rev. 2.0	Ammonia-N	96.4	95.0	93.6		0.856
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	106	94.9	106		7.67
EPA 353.2 Rev. 2.0	NO2NO3-N	98.5	97.4	95.4		1.61
EPA 365.1 Rev. 2.0	Total-P	104	109	108		0.807
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.2	95.9	96.5		0.577
SM 2320 B-2011	Total Alkalinity	98.7			1.61	
SM 2540 C-2011	TDS				5.13	
SM 4500-F- C-2011	Fluoride	99.9	97.5	96.7		0.473
SM 5310 B-2011	Organic Carbon	96.4	94.9	95.5		0.455

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2327373, 2327374
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2327373, 2327374
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2327373, 2327374
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2327373, 2327374
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2327375, 2327376
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2327375, 2327376
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2327375, 2327376
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2327375, 2327376
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2327377, 2327378
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2327373, 2327374
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2327373, 2327374
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2327373, 2327374
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2327373, 2327374
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2327375, 2327376

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	05/17/2022			05/17/2022 15:33	Anna M. Plaviak	2327373
	05/17/2022			05/17/2022 15:34	Anna M. Plaviak	2327374
EPA 180.1 Rev. 2.0	05/17/2022			05/17/2022 14:07	Khloe J Berg	2327374
	05/17/2022			05/17/2022 14:17	Khloe J Berg	2327373
EPA 300.0 Rev. 2.1	05/17/2022			05/19/2022 10:10	Anna M. Plaviak	2327373
	05/17/2022			05/19/2022 10:22	Anna M. Plaviak	2327374
EPA 350.1 Rev. 2.0	05/17/2022			05/25/2022 12:25	Ping Hua	2327375
	05/17/2022			05/25/2022 12:27	Ping Hua	2327376
EPA 351.2 Rev. 2.0	05/17/2022	05/24/2022 15:12	Samantha L Bates	05/25/2022 19:03	Alexandra J Mattheus	2327375
	05/17/2022	05/24/2022 15:12	Samantha L Bates	05/25/2022 19:05	Alexandra J Mattheus	2327376
EPA 353.2 Rev. 2.0	05/17/2022			05/24/2022 11:01	Beverly Y. Sanders	2327375
	05/17/2022			05/24/2022 11:06	Beverly Y. Sanders	2327376
EPA 365.1 Rev. 2.0	05/17/2022	05/20/2022 15:00	Simonne.V. Calhoun	05/23/2022 12:14	Sarah A Nixon	2327375
	05/17/2022	05/20/2022 15:00	Simonne.V. Calhoun	05/23/2022 12:15	Sarah A Nixon	2327376
EPA 365.1 Rev. 2.0 dissolved	05/17/2022			05/17/2022 17:59	Nathaniel J Jones	2327377
	05/17/2022			05/17/2022 18:10	Nathaniel J Jones	2327378
SM 2320 B-2011	05/17/2022			05/19/2022 02:01	Dale L. Simmons	2327373
	05/17/2022			05/19/2022 02:30	Dale L. Simmons	2327374
SM 2540 C-2011	05/17/2022			05/18/2022 14:36	Yijie Li	2327373, 2327374
SM 2540 D-2011	05/17/2022			05/18/2022 14:36	Yijie Li	2327373, 2327374
SM 4500-F- C-2011	05/17/2022			05/19/2022 02:01	Dale L. Simmons	2327373
	05/17/2022			05/19/2022 02:30	Dale L. Simmons	2327374
SM 5310 B-2011	05/17/2022			05/19/2022 02:49	Judith K. Clark	2327376
	05/17/2022			05/19/2022 06:36	Judith K. Clark	2327375