

Chemical Analysis Report

NE-DIST-2021-10-21-01

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

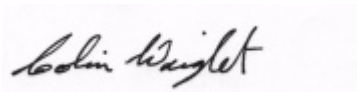
Event Description: **Unnamed Run Boat and Moses**
Request ID: **RQ-2021-10-18-16**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
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8800 Baymeadows Way West
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Certified by: Colin Wright, Program Administrator

Date Certified: 15-NOV-2021 08:24

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light gray rectangular 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: Unnamed Drain @ Eagles Nest Rd

Collection Date/Time: 10/20/2021 11:50

Field ID: 27010079

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2285314	EPA 180.1 Rev. 2.0	Turbidity	6.3		NTU	P405445	
	EPA 300.0 Rev. 2.1	Chloride	5.7E+03		mg Cl/L	P405510	
		Sulfate	4.0E+03		mg SO4/L	P405512	
	SM 2120 B-2011	Color (true)	89		PCU	P405425	
	SM 2320 B-2011	Total Alkalinity	143		mg CaCO3/L	P405522	
	SM 2540 C-2011	TDS	1.30E+04		mg/L	P406105	
	SM 2540 D-2011	TSS	6	I	mg/L	P406101	
	SM 4500 F-C-2011	Fluoride	0.50		mg F/L	P405525	
2285315	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L	P405856	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.73		mg N/L	P405660	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P405806	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P405508	
	SM 5310 B-2011	Organic Carbon	15		mg C/L	P405775	
2285316	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.050		mg P/L	P405417	

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: Unnamed Drain South Entrance

Collection Date/Time: 10/20/2021 10:30

Field ID: G5NE0591

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2285311	EPA 180.1 Rev. 2.0	Turbidity	2.0		NTU	P405444	
	SM 2320 B-2011	Total Alkalinity	113		mg CaCO3/L	P405522	
	SM 2540 D-2011	TSS	6	I	mg/L	P406101	
	SM 4500 F-C-2011	Fluoride	1.2		mg F/L	P405525	
2285312	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L	P405856	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.30	I	mg N/L	P405660	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P405806	
	EPA 365.1 Rev. 2.0	Total-P	0.028		mg P/L	P405508	
	SM 5310 B-2011	Organic Carbon	3.6		mg C/L	P405775	
2285313	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.005	I	mg P/L	P405417	

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: EPA 180.1 Rev. 2.0
Batch ID: P405444

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P405445

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405510

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405512

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P405856

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P405660

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P405806

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P405508

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P405417

Component	Result	Code	Units
O-Phosphate-P	0.004	U	mg P/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 2120 B-2011
Batch ID: P405425

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-2011
Batch ID: P405522

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

Reference Method: SM 2540 C-2011
Batch ID: P406105

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P406101

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P405525

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P405775

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405510

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405512

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P405856

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P405660

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P405806

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: P405508

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	105		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P405417

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.1		P	90 - 110

Reference Method: SM 2120 B-2011
Batch ID: P405425

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	97.9		P	85 - 115

Reference Method: SM 2320 B-2011
Batch ID: P405522

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	94 - 106

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-2011
Batch ID: P405525

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P405775

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405510

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285141	Chloride	101		P	90 - 110
2285227	Chloride	104		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405512

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285141	Sulfate	101		P	90 - 110
2285227	Sulfate	104		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P405856

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285312	Ammonia-N	104	106	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P405660

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2284951	Kjeldahl Nitrogen	106	97.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P405806

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285199	NO2NO3-N	97.6	97.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P405508

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285300	Total-P	101	98.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P405417

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285313	O-Phosphate-P	95.8	97.5	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P405525

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2284389	Fluoride	98.9	99.7	P/P	92 - 107

Reference Method: SM 5310 B-2011
Batch ID: P405775

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2285672	Organic Carbon	102	102	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P405444

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285203	Turbidity	12.7	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P405445

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285227	Turbidity	3.02	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405510

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285141	Chloride	0.764	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P405512

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285141	Sulfate	1.55	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P405856

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285312	Ammonia-N	1.42	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P405660

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2284951	Kjeldahl Nitrogen	6.55	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P405806

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285199	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P405508

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285300	Total-P	2.03	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P405417

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285313	O-Phosphate-P	1.67	Spike	P	0 - 20

Reference Method: SM 2120 B-2011
Batch ID: P405425

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285290	Color (true)	3.49	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P405522

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2284389	Total Alkalinity	1.02	Sample	P	0 - 5.2

Reference Method: SM 2540 C-2011
Batch ID: P406105

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285576	TDS	3.20	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P405525

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2284389	Fluoride	0.480	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P405775

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2285672	Organic Carbon	0.264	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: A108426

Included Lab Sample IDs: 2285314

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A108469

Included Lab Sample IDs: 2285313, 2285316

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.1	98.1	P/P	90 - 110

Reference Method: SM 2120 B-2011

Run ID: A108472

Included Lab Sample IDs: 2285314

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.6	101	P/P	90 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A108477

Included Lab Sample IDs: 2285311, 2285314

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.5	99.0	P/P	95 - 105
Turbidity	99.0	99.0	P/P	95 - 105

Reference Method: SM 2320 B-2011

Run ID: A108510

Included Lab Sample IDs: 2285311, 2285314

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	102	97.5	P/P	90 - 110
Total Alkalinity	98.8	102	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A108510

Included Lab Sample IDs: 2285311, 2285314

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A108525

Included Lab Sample IDs: 2285315

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A108531

Included Lab Sample IDs: 2285312

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A108584

Included Lab Sample IDs: 2285312, 2285315

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	94.5	95.5	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A108622

Included Lab Sample IDs: 2285312, 2285315

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	106	106	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A108647

Included Lab Sample IDs: 2285312, 2285315

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	100	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A108662

Included Lab Sample IDs: 2285312, 2285315

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.5	97.4	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		LCS	Precision	MS
						SMP	
EPA 180.1 Rev. 2.0	Turbidity					12.7	
	Turbidity					3.02	
EPA 300.0 Rev. 2.1	Chloride	101	101	104		0.764	
	Sulfate	102	101	104		1.55	
EPA 350.1 Rev. 2.0	Ammonia-N	98.0	104	106			1.42
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	102	106	97.0			6.55
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	98.5	97.6	97.6			0.0
EPA 365.1 Rev. 2.0	Total-P	105	101	98.8			2.03
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.1	95.8	97.5			1.67
SM 2120 B-2011	Color (true)	97.9				3.49	
SM 2320 B-2011	Total Alkalinity	102				1.02	
SM 2540 C-2011	TDS					3.20	
SM 4500 F-C-2011	Fluoride	100	98.9	99.7			0.480
SM 5310 B-2011	Organic Carbon	105	102	102			0.264

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2285311, 2285314
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2285314
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2285314
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2285312, 2285315
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2285312, 2285315
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2285312, 2285315
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2285312, 2285315
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2285313, 2285316
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2285314
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2285311, 2285314
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2285314
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2285311, 2285314
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2285311, 2285314
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2285312, 2285315

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	10/21/2021			10/21/2021 16:03	Khloe J Berg	2285311, 2285314
EPA 300.0 Rev. 2.1	10/21/2021			10/22/2021 21:56	Roberta Tatti	2285314
EPA 350.1 Rev. 2.0	10/21/2021			11/02/2021 11:05	Ping Hua	2285312
	10/21/2021			11/02/2021 11:10	Ping Hua	2285315
EPA 351.2 Rev. 2.0	10/21/2021	10/27/2021 12:05	Benjamin T. Nordmann	10/28/2021 10:38	Alexandra J Mattheus	2285312
	10/21/2021	10/27/2021 12:05	Benjamin T. Nordmann	10/28/2021 10:39	Alexandra J Mattheus	2285315
EPA 353.2 Rev. 2.0	10/21/2021			11/01/2021 10:20	Beverly Y. Sanders	2285312
	10/21/2021			11/01/2021 10:21	Beverly Y. Sanders	2285315
EPA 365.1 Rev. 2.0	10/21/2021	10/25/2021 13:13	Simonne.V. Calhoun	10/26/2021 10:17	Lipi Saha	2285315
	10/21/2021	10/25/2021 13:13	Simonne.V. Calhoun	10/26/2021 12:16	Lipi Saha	2285312
EPA 365.1 Rev. 2.0 dissolved	10/21/2021			10/21/2021 14:56	James L Waggeberby	2285313
	10/21/2021			10/21/2021 15:03	James L Waggeberby	2285316
SM 2120 B-2011	10/21/2021			10/21/2021 15:57	Benjamin T. Nordmann	2285314
SM 2320 B-2011	10/21/2021			10/23/2021 06:19	Dale L. Simmons	2285314
	10/21/2021			10/23/2021 08:35	Dale L. Simmons	2285311
SM 2540 C-2011	10/21/2021			10/26/2021 15:36	Yijie Li	2285314
SM 2540 D-2011	10/21/2021			10/26/2021 15:36	Yijie Li	2285311, 2285314
SM 4500 F-C-2011	10/21/2021			10/23/2021 04:01	Dale L. Simmons	2285314
	10/21/2021			10/23/2021 05:20	Dale L. Simmons	2285311
SM 5310 B-2011	10/21/2021			10/29/2021 04:50	Khloe J Berg	2285312
	10/21/2021			10/29/2021 05:03	Khloe J Berg	2285315