

Chemical Analysis Report

SO-DIST-2020-07-17-01

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

Event Description: **Lake Damon, Lake Veron LVI**
Request ID: **RQ-2020-07-13-56**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Nicole Reistad

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Certified by: Liang Lin, Environmental Administrator

Date Certified: 05-AUG-2020 12:23

A handwritten signature in black ink, appearing to read "Liang Lin", 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: Lake Damon @ Middle

Collection Date/Time: 07/16/2020 10:10

Field ID: G4SD0168

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2184037	EPA 180.1 Rev. 2.0	Turbidity	1.5		NTU	P384797	
	EPA 300.0 Rev. 2.1	Chloride	18	A	mg Cl/L	P385316	
		Sulfate	36	A	mg SO4/L	P385320	
	SM 2120 B-2011	Color (true)	9.4		PCU	P384810	
	SM 2320 B-2011	Total Alkalinity	21		mg CaCO3/L	P385002	
	SM 2540 C-2011	TDS	96		mg/L	P385457	
	SM 2540 D-2011	TSS	3	I	mg/L	P385463	
	SM 4500 F-C-2011	Fluoride	0.13		mg F/L	P385005	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L	P384828	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.39		mg N/L	P384936	
2184039	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P384917	
	EPA 365.1 Rev. 2.0	Total-P	0.015		mg P/L	P385035	
	SM 5310 B-2011	Organic Carbon	4.1		mg C/L	P385190	
	EPA 365.1 Rev. 2.0	O-Phosphate-P	0.004	U	mg P/L	P384832	
	dissolved						
2184041	EPA 365.1 Rev. 2.0	O-Phosphate-P	0.004	U	mg P/L	P384832	

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: Lake Verona @ Center

Collection Date/Time: 07/16/2020 10:45

Field ID: G4SD0178

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2184038	EPA 180.1 Rev. 2.0	Turbidity	0.75		NTU	P384797	
	EPA 300.0 Rev. 2.1	Chloride	6.6		mg Cl/L	P385316	
		Sulfate	13		mg SO4/L	P385320	
	SM 2120 B-2011	Color (true)	4.6	I	PCU	P384810	
	SM 2320 B-2011	Total Alkalinity	25		mg CaCO3/L	P385002	
	SM 2540 C-2011	TDS	47		mg/L	P385457	
	SM 2540 D-2011	TSS	2	I	mg/L	P385463	
	SM 4500 F-C-2011	Fluoride	0.047	I	mg F/L	P385005	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P384828	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.36		mg N/L	P384936	
2184040	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P384917	
	EPA 365.1 Rev. 2.0	Total-P	0.005		mg P/L	P385035	
	SM 5310 B-2011	Organic Carbon	3.1		mg C/L	P385190	
	EPA 365.1 Rev. 2.0	O-Phosphate-P	0.004	U	mg P/L	P384832	
	dissolved						

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: P384797

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385316

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385320

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P384828

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P384936

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P384917

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P385035

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P384832

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

Reference Method: SM 2120 B-2011
Batch ID: P384810

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P385002

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

Reference Method: SM 2540 C-2011
Batch ID: P385457

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P385463

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P385005

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P385190

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: P385316

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	98.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385320

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P384828

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P384936

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.4		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P384917

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	99.0		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P385035

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: P384832

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

Reference Method: SM 2120 B-2011
Batch ID: P384810

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	104		P	85 - 115

Reference Method: SM 2320 B-2011
Batch ID: P385002

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	103		P	93 - 104

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-2011
Batch ID: P385005

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	103		P	90 - 106

Reference Method: SM 5310 B-2011
Batch ID: P385190

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385316

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184037	Chloride	95.3		P	90 - 110
2184057	Chloride	97.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385320

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184037	Sulfate	92.5		P	90 - 110
2184057	Sulfate	96.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P384828

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184039	Ammonia-N	99.8	99.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P384936

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184039	Kjeldahl Nitrogen	101	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P384917

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184039	NO2NO3-N	100	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P385035

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2183925	Total-P	107	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P384832

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184009	O-Phosphate-P	97.9	98.1	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P385005

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2183933	Fluoride	98.1	100	P/P	94 - 107

Reference Method: SM 5310 B-2011
Batch ID: P385190

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2184059	Organic Carbon	96.0	97.4	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P384797

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184047	Turbidity	6.15	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385316

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184037	Chloride	0.472	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P385320

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184037	Sulfate	0.0571	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P384828

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184039	Ammonia-N	0.233	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P384936

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184039	Kjeldahl Nitrogen	3.01	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P384917

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184039	NO2NO3-N	0.499	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P385035

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2183925	Total-P	1.78	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P384832

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184009	O-Phosphate-P	0.144	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2120 B-2011
Batch ID: P384810

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184047	Color (true)	1.92	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P385002

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2183933	Total Alkalinity	1.47	Sample	P	0 - 8.1

Reference Method: SM 2540 C-2011
Batch ID: P385457

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2183929	TDS	6.29	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P385005

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2183933	Fluoride	1.38	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
Batch ID: P385190

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2184059	Organic Carbon	1.45	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: SM 2320 B-2011

Run ID: A100019

Included Lab Sample IDs: 2184037, 2184038

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

Reference Method: SM 4500 F-C-2011

Run ID: A100019

Included Lab Sample IDs: 2184037, 2184038

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A100083

Included Lab Sample IDs: 2184039, 2184040

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.5	97.0	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A100098

Included Lab Sample IDs: 2184039, 2184040

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.1	93.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A100109

Included Lab Sample IDs: 2184039, 2184040

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A100152

Included Lab Sample IDs: 2184037, 2184038

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	100	99.7	P/P	90 - 110
Chloride	99.7	99.7	P/P	90 - 110
Sulfate	99.4	98.9	P/P	90 - 110
Sulfate	99.9	99.4	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A99945

Included Lab Sample IDs: 2184037, 2184038

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

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B-2011

Run ID: A99949

Included Lab Sample IDs: 2184037, 2184038

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	105	105	P/P	90 - 115

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A99955

Included Lab Sample IDs: 2184039, 2184040

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A99958

Included Lab Sample IDs: 2184041, 2184042

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	96.9	96.1	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A99985

Included Lab Sample IDs: 2184039, 2184040

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	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		LCS	Precision	MS
						SMP	
EPA 180.1 Rev. 2.0	Turbidity					6.15	
EPA 300.0 Rev. 2.1	Chloride	98.3	95.3	97.9		0.472	
	Sulfate	96.4	92.5	96.1		0.0571	
EPA 350.1 Rev. 2.0	Ammonia-N	100	99.8	99.5			0.233
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.4	101	105			3.01
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	99.0	100	100			0.499
EPA 365.1 Rev. 2.0	Total-P	105	107	105			1.78
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	102	97.9	98.1			0.144
SM 2120 B-2011	Color (true)	104				1.92	
SM 2320 B-2011	Total Alkalinity	103				1.47	
SM 2540 C-2011	TDS					6.29	
SM 4500 F-C-2011	Fluoride	103	98.1	100			1.38
SM 5310 B-2011	Organic Carbon	97.4	96.0	97.4			1.45

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2184037, 2184038
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2184037, 2184038
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2184037, 2184038
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2184039, 2184040
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2184039, 2184040
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2184039, 2184040
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2184039, 2184040
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2184041, 2184042
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2184037, 2184038
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2184037, 2184038
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2184037, 2184038
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2184037, 2184038
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2184037, 2184038
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2184039, 2184040

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	07/17/2020			07/17/2020 15:49	Yen Ta	2184037, 2184038
EPA 300.0 Rev. 2.1	07/17/2020			07/28/2020 13:37	Julia Storbeck	2184037
	07/17/2020			07/28/2020 16:14	Julia Storbeck	2184038
EPA 350.1 Rev. 2.0	07/17/2020			07/19/2020 12:17	Ping Hua	2184039
	07/17/2020			07/19/2020 12:36	Ping Hua	2184040
EPA 351.2 Rev. 2.0	07/17/2020	07/21/2020 15:30	Sima Feizi	07/22/2020 14:03	Julia Storbeck	2184039
	07/17/2020	07/21/2020 15:30	Sima Feizi	07/22/2020 14:19	Julia Storbeck	2184040
EPA 353.2 Rev. 2.0	07/17/2020			07/21/2020 09:52	Beverly Y. Sanders	2184039
	07/17/2020			07/21/2020 09:58	Beverly Y. Sanders	2184040
EPA 365.1 Rev. 2.0	07/17/2020	07/23/2020 10:00	Lipi Saha	07/27/2020 08:36	Lipi Saha	2184039
	07/17/2020	07/23/2020 10:00	Lipi Saha	07/27/2020 08:37	Lipi Saha	2184040
EPA 365.1 Rev. 2.0 dissolved	07/17/2020			07/17/2020 18:38	Virginia P. Brown	2184041, 2184042
SM 2120 B-2011	07/17/2020			07/17/2020 16:44	Benjamin T. Nordmann	2184037
	07/17/2020			07/17/2020 16:45	Benjamin T. Nordmann	2184038
SM 2320 B-2011	07/17/2020			07/22/2020 04:32	Dale L. Simmons	2184037
	07/17/2020			07/22/2020 04:44	Dale L. Simmons	2184038
SM 2540 C-2011	07/17/2020			07/22/2020 14:56	Yijie Li	2184037, 2184038
SM 2540 D-2011	07/17/2020			07/22/2020 14:56	Yijie Li	2184037, 2184038
SM 4500 F-C-2011	07/17/2020			07/22/2020 04:32	Dale L. Simmons	2184037
	07/17/2020			07/22/2020 04:44	Dale L. Simmons	2184038
SM 5310 B-2011	07/17/2020			07/24/2020 17:40	David Boose	2184039
	07/17/2020			07/24/2020 17:52	David Boose	2184040