

Chemical Analysis Report

CEN-DIST-2019-05-16-01

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

Event Description: **Lk Center / Coon Lk + LVI Event**

Request ID: **RQ-2019-05-13-38**

Customer: **CEN-DIST**

Project ID: **SMP**

Send Reports to:

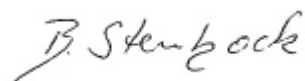
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Date Certified: 03-JUN-2019 18:16



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 Center @ Center

Collection Date/Time: 05/15/2019 13:25

Field ID: G4CE0163

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2086806	EPA 180.1 Rev. 2.0	Turbidity	6.2	A	NTU	P364093	
	EPA 300.0 Rev. 2.1	Chloride	25		mg Cl/L	P364201	
		Sulfate	10		mg SO4/L	P364203	
	SM 2120 B	Color (true)	330		PCU	P364098	
	SM 2320 B-97	Total Alkalinity	3.4		mg CaCO3/L	P364424	
	SM 2540 C-97	TDS	125		mg/L	P364441	
	SM 2540 D-97	TSS	2	I	mg/L	P364347	
	SM 4500 F-C-97	Fluoride	0.055	I	mg F/L	P364427	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.031		mg N/L	P364327	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.6		mg N/L	P364562	
2086808	EPA 353.2 Rev. 2.0	NO2NO3-N	0.039		mg N/L	P364302	
	EPA 365.1 Rev. 2.0	Total-P	0.054		mg P/L	P364474	
	SM 5310 B-00	Organic Carbon	25		mg C/L	P364198	
	EPA 365.1 Rev. 2.0	O-Phosphate-P	0.015		mg P/L	P364087	
	dissolved						

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Coon Lake @ Center

Collection Date/Time: 05/15/2019 14:42

Field ID: G4CE0162

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2086807	EPA 180.1 Rev. 2.0	Turbidity	2.9		NTU	P364093	
	EPA 300.0 Rev. 2.1	Chloride	27		mg Cl/L	P364201	
		Sulfate	7.7		mg SO4/L	P364203	
	SM 2120 B	Color (true)	190		PCU	P364098	
	SM 2320 B-97	Total Alkalinity	4.8		mg CaCO3/L	P364424	
	SM 2540 C-97	TDS	111		mg/L	P364441	
	SM 2540 D-97	TSS	2	U	mg/L	P364347	
	SM 4500 F-C-97	Fluoride	0.052	I	mg F/L	P364427	
2086809	EPA 350.1 Rev. 2.0	Ammonia-N	0.018		mg N/L	P364327	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P364562	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.012		mg N/L	P364302	
	EPA 365.1 Rev. 2.0	Total-P	0.032		mg P/L	P364474	
	SM 5310 B-00	Organic Carbon	20		mg C/L	P364198	
2086811	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.007	I	mg P/L	P364087	

Ref. Method and Comment:

SM 2540 D-97: 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: P364093

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P364201

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P364203

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P364327

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P364562

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P364302

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P364474

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P364087

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

Reference Method: SM 2120 B
Batch ID: P364098

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-97
Batch ID: P364424

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

Reference Method: SM 2540 C-97
Batch ID: P364441

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P364347

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P364427

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P364198

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: P364201

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	99.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P364203

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P364327

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

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P364562

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

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P364302

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	97.0		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P364474

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P364087

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.2		P	90 - 110

Reference Method: SM 2120 B
 Batch ID: P364098

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	101		P	85 - 115

Reference Method: SM 2320 B-97
 Batch ID: P364424

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	101		P	98 - 106

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-97
Batch ID: P364427

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.4		P	92 - 103

Reference Method: SM 5310 B-00
Batch ID: P364198

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.2		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P364201

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086669	Chloride	98.6		P	90 - 110
2086741	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P364203

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086669	Sulfate	99.5		P	90 - 110
2086741	Sulfate	100		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P364327

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086745	Ammonia-N	104	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P364562

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086832	Kjeldahl Nitrogen	109	106	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P364302

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086746	NO2NO3-N	98.0	98.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P364474

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086833	Total-P	97.0	98.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P364087

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086750	O-Phosphate-P	97.1	98.8	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P364427

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2087142	Fluoride	98.9	102	P/P	89 - 106

Reference Method: SM 5310 B-00
Batch ID: P364198

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2086670	Organic Carbon	94.6	94.7	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P364093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086806	Turbidity	0.320	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P364201

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086669	Chloride	0.454	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P364203

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086669	Sulfate	0.156	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P364327

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086745	Ammonia-N	0.946	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P364562

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086832	Kjeldahl Nitrogen	3.25	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P364302

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086746	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P364474

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086833	Total-P	1.68	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P364087

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086750	O-Phosphate-P	1.74	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2120 B
Batch ID: P364098

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086740	Color (true)	0.288	Sample	P	0 - 20

Reference Method: SM 2320 B-97
Batch ID: P364424

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2087142	Total Alkalinity	0.627	Sample	P	0 - 2.8

Reference Method: SM 2540 C-97
Batch ID: P364441

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086690	TDS	1.88	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
Batch ID: P364427

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2087142	Fluoride	1.90	Spike	P	0 - 2.5

Reference Method: SM 5310 B-00
Batch ID: P364198

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2086670	Organic Carbon	0.0771	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A91404

Included Lab Sample IDs: 2086806, 2086807

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A91479

Included Lab Sample IDs: 2086810, 2086811

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	96.6	96.1	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A91482

Included Lab Sample IDs: 2086806, 2086807

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

Reference Method: SM 2120 B

Run ID: A91486

Included Lab Sample IDs: 2086806, 2086807

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	102	103	P/P	85 - 115

Reference Method: SM 5310 B-00

Run ID: A91525

Included Lab Sample IDs: 2086808, 2086809

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.6	95.0	P/P	90 - 110
Organic Carbon	95.8	95.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A91563

Included Lab Sample IDs: 2086808, 2086809

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	98.0	98.0	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A91568

Included Lab Sample IDs: 2086808, 2086809

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

Reference Method: SM 2320 B-97

Run ID: A91614

Included Lab Sample IDs: 2086806, 2086807

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

Reference Method: SM 2320 B-97

Run ID: A91614

Included Lab Sample IDs: 2086806, 2086807

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	102	100	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A91614

Included Lab Sample IDs: 2086806, 2086807

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A91662

Included Lab Sample IDs: 2086808

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.2	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A91666

Included Lab Sample IDs: 2086809

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A91729

Included Lab Sample IDs: 2086808, 2086809

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	96.4	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					0.320	
EPA 300.0 Rev. 2.1	Chloride	99.7	98.6	101		0.454	
	Sulfate	98.9	99.5	100		0.156	
EPA 350.1 Rev. 2.0	Ammonia-N	103	104	105			0.946
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	103	109	106			3.25
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	97.0	98.0	98.0			0.0
EPA 365.1 Rev. 2.0	Total-P	102	97.0	98.8			1.68
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.2	97.1	98.8			1.74
SM 2120 B	Color (true)	101				0.288	
SM 2320 B-97	Total Alkalinity	101				0.627	
SM 2540 C-97	TDS					1.88	
SM 4500 F-C-97	Fluoride	99.4	98.9	102			1.90
SM 5310 B-00	Organic Carbon	95.2	94.6	94.7			0.0771

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	2086806, 2086807
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	2086806, 2086807
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	2086806, 2086807
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	2086808, 2086809
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	2086808, 2086809
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	2086808, 2086809
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	2086808, 2086809
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2086810, 2086811
SM 2120 B / E31780	True Color measured at 450 nm	2086806, 2086807
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2086806, 2086807
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	2086806, 2086807
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2086806, 2086807
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2086806, 2086807
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	2086808, 2086809

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	05/16/2019			05/16/2019 16:15	Sima Feizi	2086806, 2086807
EPA 300.0 Rev. 2.1	05/16/2019			05/18/2019 01:30	Lipi Saha	2086806
	05/16/2019			05/18/2019 01:42	Lipi Saha	2086807
EPA 350.1 Rev. 2.0	05/16/2019			05/20/2019 12:24	Ping Hua	2086808
	05/16/2019			05/20/2019 12:25	Ping Hua	2086809
EPA 351.2 Rev. 2.0	05/16/2019	05/24/2019 12:30	Adrian Shelby	05/29/2019 13:54	Joseph Suarez	2086808
	05/16/2019	05/24/2019 12:30	Adrian Shelby	05/29/2019 13:56	Joseph Suarez	2086809
EPA 353.2 Rev. 2.0	05/16/2019			05/21/2019 11:00	Beverly Y. Sanders	2086808
	05/16/2019			05/21/2019 11:02	Beverly Y. Sanders	2086809
EPA 365.1 Rev. 2.0	05/16/2019	05/23/2019 15:15	Adrian Shelby	05/24/2019 13:02	Rosalyn Ballman	2086808
	05/16/2019	05/23/2019 15:15	Adrian Shelby	05/24/2019 15:17	Rosalyn Ballman	2086809
EPA 365.1 Rev. 2.0 dissolved	05/16/2019			05/16/2019 15:28	Jhamieka S. Greenwood	2086810
	05/16/2019			05/16/2019 15:29	Jhamieka S. Greenwood	2086811
SM 2120 B	05/16/2019			05/16/2019 16:35	Madeline Funaro	2086806, 2086807
SM 2320 B-97	05/16/2019			05/22/2019 23:47	Dale L. Simmons	2086806
	05/16/2019			05/23/2019 00:00	Dale L. Simmons	2086807
SM 2540 C-97	05/16/2019			05/17/2019 16:30	Sima Feizi	2086806, 2086807
SM 2540 D-97	05/16/2019			05/17/2019 16:30	Sima Feizi	2086806, 2086807
SM 4500 F-C-97	05/16/2019			05/22/2019 23:47	Dale L. Simmons	2086806
	05/16/2019			05/23/2019 00:00	Dale L. Simmons	2086807
SM 5310 B-00	05/16/2019			05/18/2019 04:28	Julia Storbeck	2086808
	05/16/2019			05/18/2019 05:11	Julia Storbeck	2086809