

Chemical Analysis Report

SO-DIST-2022-08-26-01

Florida DEP Laboratory
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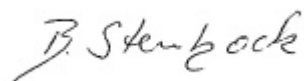
Event Description: **2022 SMP : Sebring Lakes**
Request ID: **RQ-2022-08-22-42**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
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FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
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Date Certified: 16-SEP-2022 16:34



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 Glenada

Collection Date/Time: 08/25/2022 09:40

Field ID: G4SD0179

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2352704	DEP SOP: NU-094-1	Color (true)	24		PCU	P418765	
	EPA 180.1 Rev. 2.0	Turbidity	4.1		NTU	P418764	
	EPA 300.0 Rev. 2.1	Chloride	25	A	mg Cl/L	P419468	
		Sulfate	17	A	mg SO4/L	P419471	
	SM 2320 B-2011	Total Alkalinity	31	J	mg CaCO3/L	P419033	LCS
	SM 2540 C-2011	TDS	111	A	mg/L	P419262	
	SM 2540 D-2011	TSS	5	IA	mg/L	P419201	
	SM 4500-F- C-2011	Fluoride	0.089	I	mg F/L	P419279	
2352706	EPA 350.1 Rev. 2.0	Ammonia-N	0.005		mg N/L	P418888	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.2		mg N/L	P418909	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P419057	
	EPA 365.1 Rev. 2.0	Total-P	0.033		mg P/L	P418986	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P419161	

Ref. Method and Comment:

SM 2320 B-2011: Refer to the Lab Analysis Report for an explanation of QC Codes.

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Little Lake Jackson

Collection Date/Time: 08/25/2022 10:40

Field ID: G4SD0183

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2352705	DEP SOP: NU-094-1	Color (true)	20		PCU	P418765	
	EPA 180.1 Rev. 2.0	Turbidity	1.5		NTU	P418764	
	EPA 300.0 Rev. 2.1	Chloride	17		mg Cl/L	P419468	
		Sulfate	14		mg SO4/L	P419471	
	SM 2320 B-2011	Total Alkalinity	3.7	J	mg CaCO3/L	P419033	LCS
	SM 2540 C-2011	TDS	66		mg/L	P419261	
	SM 2540 D-2011	TSS	2	I	mg/L	P419200	
	SM 4500-F- C-2011	Fluoride	0.081	I	mg F/L	P419622	
2352707	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	I	mg N/L	P418888	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.64		mg N/L	P418909	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P419057	
	EPA 365.1 Rev. 2.0	Total-P	0.033		mg P/L	P418986	
	SM 5310 B-2011	Organic Carbon	7.1		mg C/L	P419161	

Ref. Method and Comment:

SM 2320 B-2011: Refer to the Lab Analysis Report for an explanation of QC Codes.

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: P418765

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418764

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419468

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419471

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418888

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418909

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419057

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P418986

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

Reference Method: SM 2320 B-2011
Batch ID: P419033

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 C-2011
Batch ID: P419261

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2011
Batch ID: P419262

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P419200

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P419201

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P419279

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 4500-F- C-2011
Batch ID: P419622

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P419161

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: P418765

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.7		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418764

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	96.9		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419468

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419471

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418888

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	92.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418909

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	107		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419057

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	99.5		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P418986

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

Reference Method: SM 2320 B-2011
Batch ID: P419033

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P419279

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	101		P	94 - 104

Reference Method: SM 4500-F- C-2011
Batch ID: P419622

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.6		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P419161

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.0		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419468

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352704	Chloride	96.6		P	90 - 110
2352758	Chloride	97.6		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419471

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352704	Sulfate	93.3		P	90 - 110
2352758	Sulfate	95.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418888

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352679	Ammonia-N	102	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418909

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352225	Kjeldahl Nitrogen	100	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419057

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352706	NO2NO3-N	99.1	99.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P418986

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352721	Total-P	107	107	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P419279

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352597	Fluoride	102	101	P/P	94 - 104

Reference Method: SM 4500-F- C-2011
Batch ID: P419622

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2355112	Fluoride	99.7	98.5	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P419161

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2352547	Organic Carbon	95.2	95.6	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P418765

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352589	Color (true)	1.23	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418764

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352678	Turbidity	14.3	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419468

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352704	Chloride	0.0217	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419471

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352704	Sulfate	0.0618	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P418888

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352679	Ammonia-N	1.26	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P418909

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352225	Kjeldahl Nitrogen	1.82	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419057

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352706	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P418986

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352721	Total-P	0.467	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P419033

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352596	Total Alkalinity	0.0670	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011
Batch ID: P419261

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352507	TDS	3.15	Sample	P	0 - 10

Reference Method: SM 2540 C-2011
Batch ID: P419262

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352704	TDS	3.60	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P419279

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352597	Fluoride	0.487	Spike	P	0 - 1.6

Reference Method: SM 4500-F- C-2011
Batch ID: P419622

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2355112	Fluoride	0.953	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P419161

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2352547	Organic Carbon	0.285	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: A114382

Included Lab Sample IDs: 2352704, 2352705

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

Reference Method: DEP SOP: NU-094-1

Run ID: A114383

Included Lab Sample IDs: 2352704, 2352705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	100	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A114437

Included Lab Sample IDs: 2352706, 2352707

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	96.3	96.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A114500

Included Lab Sample IDs: 2352706, 2352707

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

Reference Method: SM 2320 B-2011

Run ID: A114506

Included Lab Sample IDs: 2352704, 2352705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	102	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A114514

Included Lab Sample IDs: 2352706, 2352707

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A114523

Included Lab Sample IDs: 2352706, 2352707

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.8	100	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A114555

Included Lab Sample IDs: 2352706, 2352707

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

Quality Assurance Report Calibration Verification

Reference Method: SM 4500-F- C-2011

Run ID: A114599

Included Lab Sample IDs: 2352704

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A114600

Included Lab Sample IDs: 2352704, 2352705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	100	101	P/P	90 - 110
Chloride	99.7	100	P/P	90 - 110
Sulfate	100	101	P/P	90 - 110
Sulfate	99.9	100	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A114739

Included Lab Sample IDs: 2352705

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	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		Precision	
					LCS	MS
DEP SOP: NU-094-1	Color (true)	99.7			1.23	
EPA 180.1 Rev. 2.0	Turbidity	96.9			14.3	
EPA 300.0 Rev. 2.1	Chloride	99.2	96.6	97.6	0.0217	
	Sulfate	97.8	93.3	95.6	0.0618	
EPA 350.1 Rev. 2.0	Ammonia-N	92.8	102	103		1.26
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	107	100	102		1.82
EPA 353.2 Rev. 2.0	NO2NO3-N	99.5	99.1	99.1		0.0
EPA 365.1 Rev. 2.0	Total-P	104	107	107		0.467
SM 2320 B-2011	Total Alkalinity	106			0.0670	
SM 2540 C-2011	TDS				3.15	
	TDS				3.60	
SM 4500-F- C-2011	Fluoride	101	102	101		0.487
	Fluoride	99.6	99.7	98.5		0.953
SM 5310 B-2011	Organic Carbon	97.0	95.2	95.6		0.285

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2352704, 2352705
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2352704, 2352705
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2352704, 2352705
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2352704, 2352705
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2352706, 2352707
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2352706, 2352707
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2352706, 2352707
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2352706, 2352707
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2352704, 2352705
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2352704, 2352705
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2352704, 2352705
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2352704, 2352705
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2352706, 2352707

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	08/26/2022			08/26/2022 14:56	Blanca Fach	2352704
	08/26/2022			08/26/2022 14:58	Blanca Fach	2352705
EPA 180.1 Rev. 2.0	08/26/2022			08/26/2022 13:40	Chandler E Cox	2352704
	08/26/2022			08/26/2022 13:41	Chandler E Cox	2352705
EPA 300.0 Rev. 2.1	08/26/2022			09/09/2022 16:23	Anna M. Plaviak	2352704
	08/26/2022			09/09/2022 20:55	Anna M. Plaviak	2352705
EPA 350.1 Rev. 2.0	08/26/2022			08/30/2022 15:44	Judith K. Clark	2352706
	08/26/2022			08/30/2022 15:45	Judith K. Clark	2352707
EPA 351.2 Rev. 2.0	08/26/2022	08/31/2022 14:32	Samantha L Bates	09/01/2022 14:10	Alexandra J Mattheus	2352706
	08/26/2022	08/31/2022 14:32	Samantha L Bates	09/01/2022 14:11	Alexandra J Mattheus	2352707
EPA 353.2 Rev. 2.0	08/26/2022			09/02/2022 10:10	Beverly Y. Sanders	2352706
	08/26/2022			09/02/2022 10:16	Beverly Y. Sanders	2352707
EPA 365.1 Rev. 2.0	08/26/2022	09/01/2022 15:55	Simonne.V. Calhoun	09/02/2022 14:28	James L Waggeberby	2352706
	08/26/2022	09/01/2022 15:55	Simonne.V. Calhoun	09/02/2022 14:29	James L Waggeberby	2352707
SM 2320 B-2011	08/26/2022			09/01/2022 22:09	Dale L. Simmons	2352704
	08/26/2022			09/01/2022 22:17	Dale L. Simmons	2352705
SM 2540 C-2011	08/26/2022			08/30/2022 14:29	Yijie Li	2352704, 2352705
SM 2540 D-2011	08/26/2022			08/30/2022 14:29	Yijie Li	2352704, 2352705
SM 4500-F- C-2011	08/26/2022			09/07/2022 22:05	Adam P Silver	2352704
	08/26/2022			09/15/2022 02:15	Dale L. Simmons	2352705
SM 5310 B-2011	08/26/2022			09/02/2022 23:40	Khloe J Berg	2352706
	08/26/2022			09/02/2022 23:54	Khloe J Berg	2352707