

Chemical Analysis Report

NE-DIST-2024-04-19-01

Florida DEP Laboratory
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DOH Accreditation E31780

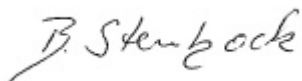
Event Description: **Suwannee South**
Request ID: **RQ-2024-04-15-13**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
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8800 Baymeadows Way West
Suite 100
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Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator

Date Certified: 17-MAY-2024 16:55



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 MARION LEVY CO

Collection Date/Time: 04/18/2024 10:35

Field ID: G1NE0959 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2483674	DEP SOP: NU-094-1	Color (true)	36	A	PCU	P444573	
	EPA 180.1 Rev. 2.0	Turbidity	0.95	I	NTU	P444582	
	EPA 300.0 Rev. 2.1	Chloride	2.6		mg Cl/L	P445294	
		Sulfate	0.20	U	mg SO4/L	P445298	
	SM 2320 B-2011	Total Alkalinity	1.8	I	mg CaCO3/L	P444691	
	SM 2540 C-2015	TDS	35		mg/L	P445039	
	SM 2540 D-2015	TSS	3	I	mg/L	P444960	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P445377	
2483675	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P444623	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.56		mg N/L	P445006	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P445305	
	EPA 365.1 Rev. 2.0	Total-P	0.015		mg P/L	P444674	
	SM 5310 B-2014	Organic Carbon	9.1		mg C/L	P444901	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: LITTLE WACCASASSA RIVER 05 MILE DOWN FROM BLUE SPRINGS Collection Date/Time: 04/18/2024 11:25

Field ID: 23020032 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2483676	DEP SOP: NU-094-1	Color (true)	11		PCU	P444573	
	EPA 180.1 Rev. 2.0	Turbidity	0.65	I	NTU	P444582	
	EPA 300.0 Rev. 2.1	Chloride	5.8	A	mg Cl/L	P445294	
		Sulfate	2.0	A	mg SO4/L	P445298	
	SM 2320 B-2011	Total Alkalinity	103		mg CaCO3/L	P444691	
	SM 2540 C-2015	TDS	138		mg/L	P445039	
	SM 2540 D-2015	TSS	2	I	mg/L	P444960	
	SM 4500-F- C-2011	Fluoride	0.053	I	mg F/L	P445377	
2483677	EPA 350.1 Rev. 2.0	Ammonia-N	0.010		mg N/L	P444623	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.27		mg N/L	P445006	
	EPA 353.2 Rev. 2.0	NO2NO3-N	1.4		mg N/L	P445199	
	EPA 365.1 Rev. 2.0	Total-P	0.036		mg P/L	P444674	
	SM 5310 B-2014	Organic Carbon	1.5		mg C/L	P444901	

Ref. Method and Comment:
SM 2540 D-2015: 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: P444573

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444582

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445294

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445298

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444623

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445006

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445199

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445305

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444674

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P444691

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

Reference Method: SM 2540 C-2015
Batch ID: P445039

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P444960

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P445377

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P444901

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: P444573

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444582

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445294

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445298

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444623

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445006

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445199

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	104		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445305

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444674

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P444691

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.1		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P445039

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	96.8		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P444960

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	113		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P445377

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.4		P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P444901

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445294

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483676	Chloride	102		P	90 - 110
2483768	Chloride	103		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445298

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483676	Sulfate	104		P	90 - 110
2483768	Sulfate	103		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444623

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483654	Ammonia-N	96.8	98.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445006

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483514	Kjeldahl Nitrogen	106	104	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445199

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481811	NO2NO3-N	102		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445305

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483675	NO2NO3-N	108	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444674

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483584	Total-P	104	104	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P445377

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483678	Fluoride	103	103	P/P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P444901

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483675	Organic Carbon	98.1	98.9	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P444573

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483674	Color (true)	1.89	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444582

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483593	Turbidity	0.563	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445294

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483676	Chloride	0.810	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445298

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483676	Sulfate	0.304	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444623

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483654	Ammonia-N	0.774	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445006

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483514	Kjeldahl Nitrogen	1.49	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445199

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481811	NO2NO3-N	0.406	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445305

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483675	NO2NO3-N	0.462	Spike	P	0 - 20

Quality Assurance Report

Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444674

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483584	Total-P	0.589	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P444691

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483771	Total Alkalinity	0.343	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P445039

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483513	TDS	5.62	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P445377

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483678	Fluoride	0.470	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P444901

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483675	Organic Carbon	0.660	Spike	P	0 - 15

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

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A125434
Included Lab Sample IDs: 2483674, 2483676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	99.2	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125437
Included Lab Sample IDs: 2483674, 2483676

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125453
Included Lab Sample IDs: 2483675, 2483677

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.4	99.5	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A125479
Included Lab Sample IDs: 2483674, 2483676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	97.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125493
Included Lab Sample IDs: 2483675, 2483677

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.5	97.8	P/P	90 - 110
Total-P	98.0	97.5	P/P	90 - 110

Reference Method: SM 5310 B-2014
Run ID: A125569
Included Lab Sample IDs: 2483675, 2483677

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.0	101	P/P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A125640
Included Lab Sample IDs: 2483674, 2483676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	101	P/P	90 - 110
Sulfate	104	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125655
Included Lab Sample IDs: 2483675, 2483677

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125655
Included Lab Sample IDs: 2483675, 2483677

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	103	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125660
Included Lab Sample IDs: 2483677

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	106	104	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125706
Included Lab Sample IDs: 2483675

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	103	103	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A125734
Included Lab Sample IDs: 2483674, 2483676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	99.5	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)	100			1.89	
EPA 180.1 Rev. 2.0	Turbidity	101			0.563	
EPA 300.0 Rev. 2.1	Chloride	105	102	103	0.810	
	Sulfate	106	104	103	0.304	
EPA 350.1 Rev. 2.0	Ammonia-N	96.0	96.8	98.0		0.774
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	105	106	104		1.49
EPA 353.2 Rev. 2.0	NO2NO3-N	104	102			0.406
	NO2NO3-N	102	108	108		0.462
EPA 365.1 Rev. 2.0	Total-P	103	104	104		0.589
SM 2320 B-2011	Total Alkalinity	99.1			0.343	
SM 2540 C-2015	TDS	96.8			5.62	
SM 2540 D-2015	TSS	113				
SM 4500-F- C-2011	Fluoride	98.4	103	103		0.470
SM 5310 B-2014	Organic Carbon	98.8	98.1	98.9		0.660

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2483674, 2483676
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2483674, 2483676
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2483674, 2483676
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2483674, 2483676
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2483675, 2483677
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2483675, 2483677
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2483675, 2483677
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2483675, 2483677
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2483674, 2483676
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2483674, 2483676
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2483674, 2483676
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2483674, 2483676
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2483675, 2483677

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	04/19/2024			04/19/2024 14:30	Jessica K Wilks	2483674, 2483676
EPA 180.1 Rev. 2.0	04/19/2024			04/19/2024 13:21	Jessica K Wilks	2483674
	04/19/2024			04/19/2024 13:22	Jessica K Wilks	2483676
EPA 300.0 Rev. 2.1	04/19/2024			05/03/2024 11:24	James L Waggeberby	2483676
	04/19/2024			05/03/2024 14:10	James L Waggeberby	2483674
EPA 350.1 Rev. 2.0	04/19/2024			04/22/2024 12:18	Khloe J Berg	2483675
	04/19/2024			04/22/2024 12:20	Khloe J Berg	2483677
EPA 351.2 Rev. 2.0	04/19/2024	05/01/2024 15:48	Simonne.V. Calhoun	05/02/2024 15:50	Ping Hua	2483675
	04/19/2024	05/01/2024 15:48	Simonne.V. Calhoun	05/02/2024 15:52	Ping Hua	2483677
EPA 353.2 Rev. 2.0	04/19/2024			05/01/2024 17:01	Fadila Guebre	2483677
	04/19/2024			05/06/2024 16:45	Fadila Guebre	2483675
EPA 365.1 Rev. 2.0	04/19/2024	04/23/2024 13:12	Adam P Silver	04/24/2024 13:11	Simonne.V. Calhoun	2483675
	04/19/2024	04/23/2024 13:12	Adam P Silver	04/24/2024 13:19	Simonne.V. Calhoun	2483677
SM 2320 B-2011	04/19/2024			04/24/2024 01:33	Dale L. Simmons	2483674
	04/19/2024			04/24/2024 01:45	Dale L. Simmons	2483676
SM 2540 C-2015	04/19/2024			04/23/2024 15:01	Yijie Li	2483674, 2483676
SM 2540 D-2015	04/19/2024			04/23/2024 15:01	Yijie Li	2483674, 2483676
SM 4500-F- C-2011	04/19/2024			05/07/2024 19:28	Dale L. Simmons	2483674
	04/19/2024			05/07/2024 19:33	Dale L. Simmons	2483676
SM 5310 B-2014	04/19/2024			04/25/2024 20:59	Khloe J Berg	2483675
	04/19/2024			04/25/2024 21:44	Khloe J Berg	2483677