

Chemical Analysis Report

NW-DIST-2023-07-20-03

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Escambia River Run**
Request ID: **RQ-2023-07-17-48**
Customer: **NW-DIST**
Project ID: **SMP**

Send Reports to:
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Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator

Date Certified: 04-AUG-2023 15:20



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: ESCAMBIA RIVER UPSTREAM OF MITCHELL CREEK **Collection Date/Time: 07/19/2023 10:05**

Field ID: G4NW0404

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2425732	DEP SOP: NU-094-1	Color (true)	40		PCU	P432792	
	EPA 180.1 Rev. 2.0	Turbidity	22		NTU	P432798	
	EPA 300.0 Rev. 2.1	Chloride	4.1		mg Cl/L	P433122	
		Sulfate	6.2		mg SO4/L	P433125	
	SM 2320 B-2011	Total Alkalinity	22		mg CaCO3/L	P432942	
	SM 2540 C-2015	TDS	72		mg/L	P433337	
	SM 2540 D-2015	TSS	18		mg/L	P433187	
	SM 4500-F- C-2011	Fluoride	0.037	I	mg F/L	P432944	
2425734	EPA 350.1 Rev. 2.0	Ammonia-N	0.033		mg N/L	P432999	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.48		mg N/L	P433268	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.19		mg N/L	P432951	
	EPA 365.1 Rev. 2.0	Total-P	0.051		mg P/L	P432889	
	SM 5310 B-2011	Organic Carbon	7.1		mg C/L	P432967	

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: ESCAMBIA RIVER DOWNSTREAM OF COTTON LAKE **Collection Date/Time: 07/19/2023 11:15**

Field ID: G4NW0403

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2425733	DEP SOP: NU-094-1	Color (true)	43		PCU	P432792	
	EPA 180.1 Rev. 2.0	Turbidity	18		NTU	P432798	
	EPA 300.0 Rev. 2.1	Chloride	3.9		mg Cl/L	P433122	
		Sulfate	5.7		mg SO4/L	P433125	
	SM 2320 B-2011	Total Alkalinity	21		mg CaCO3/L	P432943	
	SM 2540 C-2015	TDS	72		mg/L	P433337	
	SM 2540 D-2015	TSS	14		mg/L	P433187	
	SM 4500-F- C-2011	Fluoride	0.036	I	mg F/L	P432945	
2425735	EPA 350.1 Rev. 2.0	Ammonia-N	0.021		mg N/L	P432999	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.44		mg N/L	P433268	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.18		mg N/L	P432951	
	EPA 365.1 Rev. 2.0	Total-P	0.052		mg P/L	P432889	
	SM 5310 B-2011	Organic Carbon	7.3		mg C/L	P432967	

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: P432792

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P432798

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433122

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433125

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P432999

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433268

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P432951

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P432889

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

Reference Method: SM 2320 B-2011
Batch ID: P432942

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P432943

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

Reference Method: SM 2540 C-2015
Batch ID: P433337

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P433187

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P432944

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 4500-F- C-2011
Batch ID: P432945

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P432967

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: P432792

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	97.8		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P432798

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433122

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433125

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P432999

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.4		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433268

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P432951

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: P432889

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

Reference Method: SM 2320 B-2011
Batch ID: P432942

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	95.7		P	92 - 105

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P432943

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	93.6		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P433337

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

Reference Method: SM 2540 D-2015
Batch ID: P433187

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	94.1		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P432944

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.0		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P432945

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.5		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P432967

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.0		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433122

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425743	Chloride	102		P	90 - 110
2425805	Chloride	97.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433125

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425743	Sulfate	97.8		P	90 - 110
2425805	Sulfate	100		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P432999

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425630	Ammonia-N	94.8	96.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433268

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426225	Kjeldahl Nitrogen	103	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P432951

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425510	NO2NO3-N	97.5	97.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P432889

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425735	Total-P	105	105	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P432944

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426008	Fluoride	96.4	97.2	P/P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P432945

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425984	Fluoride	99.1	98.6	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P432967

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2425464	Organic Carbon	94.4	95.1	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P432792

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425433	Color (true)	1.47	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P432798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425505	Turbidity	8.07	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433122

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425743	Chloride	0.246	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433125

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425743	Sulfate	0.0255	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P432999

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425630	Ammonia-N	1.77	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433268

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426225	Kjeldahl Nitrogen	0.902	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P432951

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425510	NO2NO3-N	0.514	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P432889

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425735	Total-P	0.0212	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P432942

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426008	Total Alkalinity	0.850	Sample	P	0 - 3.9

Reference Method: SM 2320 B-2011
Batch ID: P432943

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425984	Total Alkalinity	0.713	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P433337

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425293	TDS	5.13	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P432944

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426008	Fluoride	0.524	Spike	P	0 - 1.9

Reference Method: SM 4500-F- C-2011
Batch ID: P432945

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425984	Fluoride	0.498	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P432967

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2425464	Organic Carbon	0.425	Spike	P	0 - 20

* 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: A120528

Included Lab Sample IDs: 2425732, 2425733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	102	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A120531

Included Lab Sample IDs: 2425732, 2425733

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A120590

Included Lab Sample IDs: 2425735

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A120592

Included Lab Sample IDs: 2425734

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.5	99.8	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A120602

Included Lab Sample IDs: 2425732, 2425733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	92.9	96.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A120602

Included Lab Sample IDs: 2425732, 2425733

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A120608

Included Lab Sample IDs: 2425734, 2425735

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	102	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A120614

Included Lab Sample IDs: 2425734, 2425735

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	98.2	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A120627

Included Lab Sample IDs: 2425734, 2425735

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	101	94.3	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A120686

Included Lab Sample IDs: 2425732, 2425733

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A120795

Included Lab Sample IDs: 2425734, 2425735

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.1	96.5	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)	97.8			1.47	
EPA 180.1 Rev. 2.0	Turbidity	99.2			8.07	
EPA 300.0 Rev. 2.1	Chloride	103	102	97.8	0.246	
	Sulfate	101	97.8	100	0.0255	
EPA 350.1 Rev. 2.0	Ammonia-N	97.4	94.8	96.6		1.77
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.9	103	102		0.902
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	102	97.5	97.0		0.514
EPA 365.1 Rev. 2.0	Total-P	101	105	105		0.0212
SM 2320 B-2011	Total Alkalinity	95.7			0.850	
	Total Alkalinity	93.6			0.713	
SM 2540 C-2015	TDS	104			5.13	
SM 2540 D-2015	TSS	94.1				
SM 4500-F- C-2011	Fluoride	98.0	96.4	97.2		0.524
	Fluoride	97.5	99.1	98.6		0.498
SM 5310 B-2011	Organic Carbon	95.0	94.4	95.1		0.425

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2425732, 2425733
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2425732, 2425733
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2425732, 2425733
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2425732, 2425733
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2425734, 2425735
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2425734, 2425735
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2425734, 2425735
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2425734, 2425735
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2425732, 2425733
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2425732, 2425733
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2425732, 2425733
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2425732, 2425733
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2425734, 2425735

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	07/20/2023			07/20/2023 15:16	Alexis Price	2425732
	07/20/2023			07/20/2023 15:17	Alexis Price	2425733
EPA 180.1 Rev. 2.0	07/20/2023			07/20/2023 15:04	Khloe J Berg	2425732
	07/20/2023			07/20/2023 15:06	Khloe J Berg	2425733
EPA 300.0 Rev. 2.1	07/20/2023			07/26/2023 08:03	James L Waggeberby	2425732
	07/20/2023			07/26/2023 08:18	James L Waggeberby	2425733
EPA 350.1 Rev. 2.0	07/20/2023			07/25/2023 15:26	Ping Hua	2425734
	07/20/2023			07/25/2023 15:28	Ping Hua	2425735
EPA 351.2 Rev. 2.0	07/20/2023	08/01/2023 10:22	Dana G. Hughes	08/02/2023 12:42	Samantha L Bates	2425734
	07/20/2023	08/01/2023 10:22	Dana G. Hughes	08/02/2023 12:44	Samantha L Bates	2425735
EPA 353.2 Rev. 2.0	07/20/2023			07/24/2023 13:46	Judith K. Clark	2425734
	07/20/2023			07/24/2023 13:47	Judith K. Clark	2425735
EPA 365.1 Rev. 2.0	07/20/2023	07/24/2023 11:56	Alexis Price	07/24/2023 15:20	Simonne.V. Calhoun	2425735
	07/20/2023	07/24/2023 11:56	Alexis Price	07/24/2023 16:33	Simonne.V. Calhoun	2425734
SM 2320 B-2011	07/20/2023			07/25/2023 00:13	Dale L. Simmons	2425732
	07/20/2023			07/25/2023 01:33	Dale L. Simmons	2425733
SM 2540 C-2015	07/20/2023			07/25/2023 15:46	Yijie Li	2425732, 2425733
SM 2540 D-2015	07/20/2023			07/25/2023 15:46	Yijie Li	2425732, 2425733
SM 4500-F- C-2011	07/20/2023			07/25/2023 00:13	Dale L. Simmons	2425732
	07/20/2023			07/25/2023 01:33	Dale L. Simmons	2425733
SM 5310 B-2011	07/20/2023			07/24/2023 23:34	Khloe J Berg	2425734
	07/20/2023			07/24/2023 23:48	Khloe J Berg	2425735