

Chemical Analysis Report

SE-DIST-2023-04-06-01

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

Event Description: **Jupiter / Jupiter Deployment**
Request ID: **RQ-2023-04-03-34**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
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2199 South Rock Road
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Date Certified: 25-APR-2023 10:50



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: SIMS CREEK NEAR SIMS CREEK DR

Collection Date/Time: 04/05/2023 10:30

Field ID: G2SE0073

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2398765	DEP SOP: NU-094-1	Color (true)	13		PCU	P428142	
	EPA 180.1 Rev. 2.0	Turbidity	3.0		NTU	P428153	
	EPA 300.0 Rev. 2.1	Chloride	1.7E+04		mg Cl/L	P428563	
		Sulfate	2.5E+03		mg SO4/L	P428566	
	SM 2320 B-2011	Total Alkalinity	130		mg CaCO3/L	P428508	
	SM 2540 C-2015	TDS	3.12E+04		mg/L	P428500	
	SM 2540 D-2015	TSS	6	IA	mg/L	P428674	
	SM 4500-F- C-2011	Fluoride	1.2		mg F/L	P428419	
2398767	EPA 350.1 Rev. 2.0	Ammonia-N	0.049		mg N/L	P428185	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.50		mg N/L	P428473	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.012		mg N/L	P428431	
	EPA 365.1 Rev. 2.0	Total-P	0.045		mg P/L	P428242	
	SM 5310 B-2011	Organic Carbon	4.9		mg C/L	P428240	

Ref. Method and Comment:

EPA 180.1 Rev. 2.0: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

Sample Location: JONES CREEK AT SR 706

Collection Date/Time: 04/05/2023 10:45

Field ID: G2SE0074

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2398766	DEP SOP: NU-094-1	Color (true)	12		PCU	P428142	
	EPA 180.1 Rev. 2.0	Turbidity	5.6		NTU	P428153	
	EPA 300.0 Rev. 2.1	Chloride	1.7E+04		mg Cl/L	P428563	
		Sulfate	2.5E+03		mg SO4/L	P428566	
	SM 2320 B-2011	Total Alkalinity	125		mg CaCO3/L	P428508	
	SM 2540 C-2015	TDS	3.12E+04		mg/L	P428500	
	SM 2540 D-2015	TSS	7	I	mg/L	P428674	
	SM 4500-F- C-2011	Fluoride	1.2		mg F/L	P428419	
2398768	EPA 350.1 Rev. 2.0	Ammonia-N	0.055		mg N/L	P428185	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.42		mg N/L	P428408	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.018		mg N/L	P428431	
	EPA 365.1 Rev. 2.0	Total-P	0.051		mg P/L	P428242	
	SM 5310 B-2011	Organic Carbon	4.1		mg C/L	P428349	

Ref. Method and Comment:

EPA 180.1 Rev. 2.0: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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: P428142

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428153

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428563

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428566

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428185

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428408

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428473

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428431

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428242

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: P428508

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

Reference Method: SM 2540 C-2015
Batch ID: P428500

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P428674

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P428419

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P428240

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Reference Method: SM 5310 B-2011
Batch ID: P428349

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: P428142

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.7		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428153

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428563

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428566

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428185

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428408

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428473

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: P428431

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: P428242

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	99.4		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P428508

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.6		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P428500

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	97.7		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P428674

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	97.9		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P428419

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.8		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P428240

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	99.4		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P428349

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.6		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428563

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398781	Chloride	101		P	90 - 110
2398782	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428566

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398781	Sulfate	97.4		P	90 - 110
2398782	Sulfate	96.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428185

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398270	Ammonia-N	95.4	96.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428408

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398768	Kjeldahl Nitrogen	101	94.1	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428473

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398767	Kjeldahl Nitrogen	102	100	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428431

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398767	NO2NO3-N	103	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428242

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398710	Total-P	92.7	92.6	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P428419

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398269	Fluoride	100	99.4	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P428240

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398097	Organic Carbon	90.5	92.6	P/P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P428349

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2398713	Organic Carbon	95.4	93.7	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P428142

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398585	Color (true)	0.749	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428563

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398781	Chloride	1.33	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428566

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398781	Sulfate	1.52	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428185

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398270	Ammonia-N	0.927	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428408

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398768	Kjeldahl Nitrogen	5.75	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428473

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398767	Kjeldahl Nitrogen	1.80	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428431

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398767	NO2NO3-N	0.460	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428242

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398710	Total-P	0.108	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P428508

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2399501	Total Alkalinity	1.02	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P428500

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398646	TDS	2.74	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P428419

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398269	Fluoride	0.464	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P428240

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398097	Organic Carbon	2.16	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P428349

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2398713	Organic Carbon	1.48	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: A118419

Included Lab Sample IDs: 2398765, 2398766

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.7	99.4	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A118422

Included Lab Sample IDs: 2398765, 2398766

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A118446

Included Lab Sample IDs: 2398767, 2398768

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.6	98.1	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A118467

Included Lab Sample IDs: 2398767

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.4	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118506

Included Lab Sample IDs: 2398767, 2398768

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

Reference Method: SM 5310 B-2011

Run ID: A118517

Included Lab Sample IDs: 2398768

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	93.7	97.6	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A118544

Included Lab Sample IDs: 2398765, 2398766

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A118550

Included Lab Sample IDs: 2398767, 2398768

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

Quality Assurance Report Calibration Verification

Reference Method: SM 2320 B-2011

Run ID: A118577

Included Lab Sample IDs: 2398765, 2398766

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	94.6	97.4	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A118603

Included Lab Sample IDs: 2398765, 2398766

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.3	99.4	P/P	90 - 110
Sulfate	98.9	99.1	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A118612

Included Lab Sample IDs: 2398768

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.7	99.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A118632

Included Lab Sample IDs: 2398767

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	106	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	
DEP SOP: NU-094-1	Color (true)	98.7				0.749	
EPA 180.1 Rev. 2.0	Turbidity	100					
EPA 300.0 Rev. 2.1	Chloride	101	101	101		1.33	
	Sulfate	98.1	97.4	96.6		1.52	
EPA 350.1 Rev. 2.0	Ammonia-N	95.2	95.4	96.6			0.927
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.0	101	94.1			5.75
	Kjeldahl Nitrogen	105	102	100			1.80
EPA 353.2 Rev. 2.0	NO2NO3-N	102	103	103			0.460
EPA 365.1 Rev. 2.0	Total-P	99.4	92.7	92.6			0.108
SM 2320 B-2011	Total Alkalinity	94.6				1.02	
SM 2540 C-2015	TDS	97.7				2.74	
SM 2540 D-2015	TSS	97.9					
SM 4500-F- C-2011	Fluoride	98.8	100	99.4			0.464
SM 5310 B-2011	Organic Carbon	99.4	90.5	92.6			2.16
	Organic Carbon	97.6	95.4	93.7			1.48

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2398765, 2398766
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2398765, 2398766
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2398765, 2398766
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2398765, 2398766
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2398767, 2398768
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2398767, 2398768
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2398767, 2398768
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2398767, 2398768
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2398765, 2398766
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2398765, 2398766
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2398765, 2398766
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2398765, 2398766
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2398767, 2398768

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	04/06/2023			04/06/2023 14:40	Alexis Price	2398765, 2398766
EPA 180.1 Rev. 2.0	04/06/2023			04/06/2023 14:07	Anna M. Plaviak	2398765, 2398766
EPA 300.0 Rev. 2.1	04/06/2023			04/13/2023 10:02	Anna M. Plaviak	2398765
	04/06/2023			04/13/2023 10:17	Anna M. Plaviak	2398766
EPA 350.1 Rev. 2.0	04/06/2023			04/07/2023 11:16	Khloe J Berg	2398767
	04/06/2023			04/07/2023 11:17	Khloe J Berg	2398768
EPA 351.2 Rev. 2.0	04/06/2023	04/13/2023 12:30	Simonne.V. Calhoun	04/17/2023 14:21	Samantha L Bates	2398768
	04/06/2023	04/14/2023 11:34	Simonne.V. Calhoun	04/18/2023 10:06	Samantha L Bates	2398767
EPA 353.2 Rev. 2.0	04/06/2023			04/13/2023 10:25	Beverly Y. Sanders	2398767
	04/06/2023			04/13/2023 10:32	Beverly Y. Sanders	2398768
EPA 365.1 Rev. 2.0	04/06/2023	04/10/2023 17:45	Alexis Price	04/11/2023 12:39	Simonne.V. Calhoun	2398767
	04/06/2023	04/10/2023 17:45	Alexis Price	04/11/2023 12:40	Simonne.V. Calhoun	2398768
SM 2320 B-2011	04/06/2023			04/13/2023 23:23	Dale L. Simmons	2398765
	04/06/2023			04/13/2023 23:35	Dale L. Simmons	2398766
SM 2540 C-2015	04/06/2023			04/11/2023 14:15	Blanca Fach	2398765, 2398766
SM 2540 D-2015	04/06/2023			04/07/2023 14:45	Dana G. Hughes	2398765, 2398766
SM 4500-F- C-2011	04/06/2023			04/12/2023 20:40	Dale L. Simmons	2398765
	04/06/2023			04/12/2023 20:46	Dale L. Simmons	2398766
SM 5310 B-2011	04/06/2023			04/08/2023 06:03	Elise M. Gillis	2398767
	04/06/2023			04/12/2023 05:10	Elise M. Gillis	2398768