

Chemical Analysis Report

CEN-DIST-2023-10-04-03

Florida DEP Laboratory
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DOH Accreditation E31780

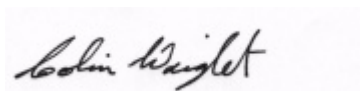
Event Description: **BMAP - Sweetwater and Salt**
Request ID: **RQ-2023-10-02-27**
Customer: **CEN-DIST**
Project ID: **BMAP**

Send Reports to:
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3319 Maguire Blvd., Suite 232
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Certified by: Colin Wright, Program Administrator

Date Certified: 19-OCT-2023 09:59

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light blue rectangular background.

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: SALT CREEK AT PACKARD AVE

Collection Date/Time: 10/03/2023 10:10

Field ID: G2CE0088

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442525	DEP SOP: NU-094-1	Color (true)	570		PCU	P435960	
	EPA 180.1 Rev. 2.0	Turbidity	8.7		NTU	P435958	
	EPA 300.0 Rev. 2.1	Chloride	550		mg Cl/L	P436173	
		Sulfate	75		mg SO4/L	P436176	
	SM 2320 B-2011	Total Alkalinity	65		mg CaCO3/L	P436090	
	SM 2540 C-2015	TDS	1.21E+03		mg/L	P436670	
	SM 2540 D-2015	TSS	7	I	mg/L	P436493	
	SM 4500-F- C-2011	Fluoride	0.13		mg F/L	P436092	
2442527	EPA 350.1 Rev. 2.0	Ammonia-N	0.070		mg N/L	P436133	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	2.2		mg N/L	P436226	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.031		mg N/L	P436376	
	EPA 365.1 Rev. 2.0	Total-P	0.24		mg P/L	P436210	
	SM 5310 B-2011	Organic Carbon	51		mg C/L	P436111	
2442529	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.17		mg P/L	P435972	

Ref. Method and Comment:

DEP SOP: NU-094-1: 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: SWEETWATER CREEK AT FLORIDA AVENUE Collection Date/Time: 10/03/2023 09:50

Field ID: G2CE0123

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2442526	DEP SOP: NU-094-1	Color (true)	200		PCU	P435960	
	EPA 180.1 Rev. 2.0	Turbidity	2.7		NTU	P435958	
	EPA 300.0 Rev. 2.1	Chloride	240		mg Cl/L	P436173	
		Sulfate	39		mg SO4/L	P436176	
	SM 2320 B-2011	Total Alkalinity	108		mg CaCO3/L	P436090	
	SM 2540 C-2015	TDS	592		mg/L	P436670	
	SM 2540 D-2015	TSS	4	I	mg/L	P436493	
2442528	SM 4500-F- C-2011	Fluoride	0.19		mg F/L	P436092	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.11		mg N/L	P436133	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.3		mg N/L	P436226	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.44		mg N/L	P436376	
	EPA 365.1 Rev. 2.0	Total-P	0.35		mg P/L	P436210	
2442530	SM 5310 B-2011	Organic Carbon	28		mg C/L	P436111	
	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.29		mg P/L	P435972	

Ref. Method and Comment:

DEP SOP: NU-094-1: 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: P435960

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P435958

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436173

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436176

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436133

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436226

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436376

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436210

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P435972

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P436090

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

Reference Method: SM 2540 C-2015
Batch ID: P436670

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P436493

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P436092

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P436111

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: P435960

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: P435958

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436173

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	97.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436176

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	93.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436133

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436226

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436376

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436210

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: P435972

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	97.2		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P436090

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.8		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P436670

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.8		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P436493

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	102		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P436092

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P436111

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.4		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436173

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442501	Chloride	104		P	90 - 110
2442658	Chloride	105		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436176

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442501	Sulfate	95.9		P	90 - 110
2442658	Sulfate	99.7		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436133

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442500	Ammonia-N	101	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436226

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442551	Kjeldahl Nitrogen	103	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436376

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442427	NO2NO3-N	95.0	98.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436210

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442551	Total-P	105	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P435972

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442430	O-Phosphate-P	96.4	96.6	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P436092

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442786	Fluoride	100	99.6	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P436111

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2442303	Organic Carbon	92.9	95.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P435958

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442425	Turbidity	14.4	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436173

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442501	Chloride	0.782	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P436176

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442501	Sulfate	0.485	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P436133

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442500	Ammonia-N	0.325	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P436226

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442551	Kjeldahl Nitrogen	2.31	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P436376

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442427	NO2NO3-N	3.11	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P436210

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442551	Total-P	1.97	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P435972

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442430	O-Phosphate-P	0.207	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P436090

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442786	Total Alkalinity	1.02	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P436670

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442426	TDS	7.73	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P436092

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442786	Fluoride	0.525	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P436111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2442303	Organic Carbon	1.83	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A121948

Included Lab Sample IDs: 2442525, 2442526

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	98.7	98.8	P/P	90 - 110
Sulfate	100	99.8	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A121951

Included Lab Sample IDs: 2442525, 2442526

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	101	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1

Run ID: A121953

Included Lab Sample IDs: 2442525, 2442526

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A121955

Included Lab Sample IDs: 2442529, 2442530

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	97.2	97.0	P/P	90 - 110
O-Phosphate-P	97.9	97.2	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A121987

Included Lab Sample IDs: 2442525, 2442526

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.7	96.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A121987

Included Lab Sample IDs: 2442525, 2442526

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

Reference Method: SM 5310 B-2011

Run ID: A121999

Included Lab Sample IDs: 2442527, 2442528

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.4	96.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A122010

Included Lab Sample IDs: 2442527, 2442528

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A122010

Included Lab Sample IDs: 2442527, 2442528

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A122046

Included Lab Sample IDs: 2442527, 2442528

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	101	99.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A122091

Included Lab Sample IDs: 2442527, 2442528

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A122092

Included Lab Sample IDs: 2442527, 2442528

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.9	94.1	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				
EPA 180.1 Rev. 2.0	Turbidity	105			14.4	
EPA 300.0 Rev. 2.1	Chloride	97.3	104	105	0.782	
	Sulfate	93.1	95.9	99.7	0.485	
EPA 350.1 Rev. 2.0	Ammonia-N	101	101	102		0.325
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.2	103	101		2.31
EPA 353.2 Rev. 2.0	NO2NO3-N	100	95.0	98.0		3.11
EPA 365.1 Rev. 2.0	Total-P	102	105	103		1.97
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.2	96.4	96.6		0.207
SM 2320 B-2011	Total Alkalinity	96.8			1.02	
SM 2540 C-2015	TDS	94.8			7.73	
SM 2540 D-2015	TSS	102				
SM 4500-F- C-2011	Fluoride	100	100	99.6		0.525
SM 5310 B-2011	Organic Carbon	97.4	92.9	95.8		1.83

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2442525, 2442526
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2442525, 2442526
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2442525, 2442526
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2442525, 2442526
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2442527, 2442528
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2442527, 2442528
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2442527, 2442528
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2442527, 2442528
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2442529, 2442530
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2442525, 2442526
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2442525, 2442526
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2442525, 2442526
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2442525, 2442526
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2442527, 2442528

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	10/04/2023			10/04/2023 16:25	Samantha L Bates	2442525, 2442526
EPA 180.1 Rev. 2.0	10/04/2023			10/04/2023 12:05	Alexis Price	2442525
	10/04/2023			10/04/2023 12:06	Alexis Price	2442526
EPA 300.0 Rev. 2.1	10/04/2023			10/06/2023 18:57	James L Waggeberby	2442525
	10/04/2023			10/06/2023 19:12	James L Waggeberby	2442526
EPA 350.1 Rev. 2.0	10/04/2023			10/06/2023 13:04	Ping Hua	2442527
	10/04/2023			10/06/2023 13:05	Ping Hua	2442528
EPA 351.2 Rev. 2.0	10/04/2023	10/10/2023 11:24	Simonne.V. Calhoun	10/11/2023 15:01	Samantha L Bates	2442527
	10/04/2023	10/10/2023 11:24	Simonne.V. Calhoun	10/11/2023 15:03	Samantha L Bates	2442528
EPA 353.2 Rev. 2.0	10/04/2023			10/11/2023 13:23	Anna M. Plaviak	2442527
	10/04/2023			10/11/2023 13:24	Anna M. Plaviak	2442528
EPA 365.1 Rev. 2.0	10/04/2023	10/09/2023 17:34	Adam P Silver	10/10/2023 11:17	James L Waggeberby	2442527
	10/04/2023	10/09/2023 17:34	Adam P Silver	10/10/2023 11:18	James L Waggeberby	2442528
EPA 365.1 Rev. 2.0 dissolved	10/04/2023			10/04/2023 16:46	Elise M. Gillis	2442529
	10/04/2023			10/04/2023 16:54	Elise M. Gillis	2442530
SM 2320 B-2011	10/04/2023			10/06/2023 03:47	Adam P Silver	2442526
	10/04/2023			10/06/2023 04:01	Adam P Silver	2442525
SM 2540 C-2015	10/04/2023			10/09/2023 15:48	Yijie Li	2442525, 2442526
SM 2540 D-2015	10/04/2023			10/09/2023 15:48	Yijie Li	2442525, 2442526
SM 4500-F- C-2011	10/04/2023			10/06/2023 03:47	Adam P Silver	2442526
	10/04/2023			10/06/2023 04:01	Adam P Silver	2442525
SM 5310 B-2011	10/04/2023			10/05/2023 21:01	Elise M. Gillis	2442527
	10/04/2023			10/05/2023 21:14	Elise M. Gillis	2442528