

Chemical Analysis Report

SO-DIST-2022-10-21-01

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

Event Description: **2022SMP: Caloosa**
Request ID: **RQ-2022-10-03-28**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
Attn: William Mullen

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Certified by: Liang Lin, Environmental Administrator

Date Certified: 15-NOV-2022 15:11

A handwritten signature in black ink, appearing to read "Liang Lin", is shown on a light-colored 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: ChaparralSloughAtSR29

Collection Date/Time: 10/20/2022 08:35

Field ID: G3SD0224

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364210	DEP SOP: NU-094-1	Color (true)	700		PCU	P421265	
	EPA 180.1 Rev. 2.0	Turbidity	3.1		NTU	P421273	
	EPA 300.0 Rev. 2.1	Chloride	16		mg Cl/L	P422011	
		Sulfate	0.21	I	mg SO4/L	P421824	
	SM 2320 B-2011	Total Alkalinity	11		mg CaCO3/L	P421457	
	SM 2540 C-2015	TDS	155		mg/L	P421907	
	SM 2540 D-2015	TSS	6	I	mg/L	P421850	
	SM 4500-F- C-2011	Fluoride	0.050	I	mg F/L	P421906	
2364213	EPA 350.1 Rev. 2.0	Ammonia-N	0.40		mg N/L	P421860	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	2.9		mg N/L	P421574	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P421530	
	EPA 365.1 Rev. 2.0	Total-P	0.13		mg P/L	P421428	
	SM 5310 B-2011	Organic Carbon	51		mg C/L	P421544	

Ref. Method and Comment:

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

EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: PadgettRanchCanalAtSR78

Collection Date/Time: 10/20/2022 09:05

Field ID: G3SD0222

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364211	DEP SOP: NU-094-1	Color (true)	320		PCU	P421265	
	EPA 180.1 Rev. 2.0	Turbidity	7.2		NTU	P421273	
	EPA 300.0 Rev. 2.1	Chloride	15		mg Cl/L	P422011	
		Sulfate	0.60		mg SO4/L	P421824	
	SM 2320 B-2011	Total Alkalinity	23		mg CaCO3/L	P421457	
	SM 2540 C-2015	TDS	130		mg/L	P421907	
	SM 2540 D-2015	TSS	4	I	mg/L	P421850	
	SM 4500-F- C-2011	Fluoride	0.14		mg F/L	P421906	
2364214	EPA 350.1 Rev. 2.0	Ammonia-N	0.041		mg N/L	P421860	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.5		mg N/L	P421574	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P421530	
	EPA 365.1 Rev. 2.0	Total-P	0.57		mg P/L	P421428	
	SM 5310 B-2011	Organic Carbon	32		mg C/L	P421544	

Ref. Method and Comment:

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

EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: CaloosaRivDwnstrmOrtona

Collection Date/Time: 10/20/2022 09:50

Field ID: G3SD0225

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364212	DEP SOP: NU-094-1	Color (true)	140		PCU	P421265	
	EPA 180.1 Rev. 2.0	Turbidity	2.2		NTU	P421273	
	EPA 300.0 Rev. 2.1	Chloride	34		mg Cl/L	P422011	
		Sulfate	24		mg SO4/L	P421824	
	SM 2320 B-2011	Total Alkalinity	158		mg CaCO3/L	P421457	
	SM 2540 C-2015	TDS	288		mg/L	P421907	
	SM 2540 D-2015	TSS	4	I	mg/L	P421850	
	SM 4500-F- C-2011	Fluoride	0.29		mg F/L	P421906	
2364215	EPA 350.1 Rev. 2.0	Ammonia-N	0.078		mg N/L	P421860	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.4		mg N/L	P421574	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.36		mg N/L	P421530	
	EPA 365.1 Rev. 2.0	Total-P	0.20		mg P/L	P421428	
	SM 5310 B-2011	Organic Carbon	20		mg C/L	P421544	

Ref. Method and Comment:

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

EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P421265

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421273

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P421824

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422011

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421860

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421574

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421530

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421428

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

Reference Method: SM 2320 B-2011
Batch ID: P421457

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P421907

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P421850

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P421906

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P421544

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: P421265

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	95.2		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421273

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P421824

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422011

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421860

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421574

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421530

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421428

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

Reference Method: SM 2320 B-2011
Batch ID: P421457

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.0		P	94 - 106

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P421907

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

Reference Method: SM 2540 D-2015
Batch ID: P421850

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	94.0		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P421906

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P421544

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: P421824

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364196	Sulfate	109		P	90 - 110
2364229	Sulfate	108		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422011

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364196	Chloride	105		P	90 - 110
2364229	Chloride	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421860

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364197	Ammonia-N	100	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421574

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364215	Kjeldahl Nitrogen	101	99.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364143	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P421906

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363953	Fluoride	99.3	100	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P421544

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364275	Organic Carbon	99.6		P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P421265

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364140	Color (true)	12.3	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421273

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364140	Turbidity	4.33	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P421824

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364196	Sulfate	0.512	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P422011

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364196	Chloride	0.0389	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421860

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364197	Ammonia-N	0.869	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421574

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364215	Kjeldahl Nitrogen	0.689	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364143	NO2NO3-N	0.489	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421428

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364314	Total-P	2.70	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P421457

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363953	Total Alkalinity	1.76	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P421907

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364122	TDS	7.28	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P421906

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363953	Fluoride	0.470	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P421544

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364275	Organic Carbon	0.645	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: A115455

Included Lab Sample IDs: 2364210, 2364211, 2364212

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	97.7	95.6	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A115458

Included Lab Sample IDs: 2364210, 2364211, 2364212

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

Reference Method: SM 2320 B-2011

Run ID: A115538

Included Lab Sample IDs: 2364210, 2364211, 2364212

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.1	95.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A115562

Included Lab Sample IDs: 2364213, 2364214, 2364215

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	96.5	96.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A115564

Included Lab Sample IDs: 2364213, 2364214, 2364215

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

Reference Method: SM 5310 B-2011

Run ID: A115572

Included Lab Sample IDs: 2364213, 2364214, 2364215

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.6	98.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A115643

Included Lab Sample IDs: 2364213, 2364214, 2364215

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.4	97.1	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A115675

Included Lab Sample IDs: 2364210, 2364211, 2364212

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	98.7	103	P/P	90 - 110
Sulfate	101	102	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A115726

Included Lab Sample IDs: 2364213, 2364214, 2364215

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.5	99.1	P/P	90 - 110
Ammonia-N	99.5	99.3	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A115743

Included Lab Sample IDs: 2364210, 2364211, 2364212

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	102	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)	95.2			12.3	
EPA 180.1 Rev. 2.0	Turbidity	101			4.33	
EPA 300.0 Rev. 2.1	Chloride	106	105	101	0.0389	
	Sulfate	107	109	108	0.512	
EPA 350.1 Rev. 2.0	Ammonia-N	97.6	100	102		0.869
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104	101	99.9		0.689
EPA 353.2 Rev. 2.0	NO2NO3-N	103	102	102		0.489
EPA 365.1 Rev. 2.0	Total-P	106				2.70
SM 2320 B-2011	Total Alkalinity	99.0			1.76	
SM 2540 C-2015	TDS	97.4			7.28	
SM 2540 D-2015	TSS	94.0				
SM 4500-F- C-2011	Fluoride	100	99.3	100		0.470
SM 5310 B-2011	Organic Carbon	97.4	99.6			0.645

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2364210, 2364211, 2364212
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2364210, 2364211, 2364212
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2364210, 2364211, 2364212
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2364210, 2364211, 2364212
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2364213, 2364214, 2364215
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2364213, 2364214, 2364215
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2364213, 2364214, 2364215
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2364213, 2364214, 2364215
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2364210, 2364211, 2364212
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2364210, 2364211, 2364212
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2364210, 2364211, 2364212
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2364210, 2364211, 2364212
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2364213, 2364214, 2364215

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	10/21/2022			10/21/2022 14:59	Samantha L Bates	2364210
	10/21/2022			10/21/2022 15:00	Samantha L Bates	2364211
	10/21/2022			10/21/2022 15:01	Samantha L Bates	2364212
EPA 180.1 Rev. 2.0	10/21/2022			10/21/2022 14:45	Anna M. Plaviak	2364210
	10/21/2022			10/21/2022 14:47	Anna M. Plaviak	2364211
	10/21/2022			10/21/2022 14:50	Anna M. Plaviak	2364212
EPA 300.0 Rev. 2.1	10/21/2022			11/03/2022 03:04	Anna M. Plaviak	2364210
	10/21/2022			11/03/2022 03:19	Anna M. Plaviak	2364211
	10/21/2022			11/03/2022 03:34	Anna M. Plaviak	2364212
	10/21/2022			11/04/2022 23:26	Anna M. Plaviak	2364210
	10/21/2022			11/04/2022 23:41	Anna M. Plaviak	2364211
EPA 350.1 Rev. 2.0	10/21/2022			11/04/2022 23:57	Anna M. Plaviak	2364212
	10/21/2022			11/03/2022 14:03	Ping Hua	2364215
	10/21/2022			11/03/2022 15:39	Ping Hua	2364213
	10/21/2022			11/03/2022 15:40	Ping Hua	2364214
EPA 351.2 Rev. 2.0	10/21/2022	10/28/2022 11:30	Simonne.V. Calhoun	10/31/2022 13:16	Alexandra J Mattheus	2364213
	10/21/2022	10/28/2022 11:30	Simonne.V. Calhoun	10/31/2022 13:17	Alexandra J Mattheus	2364214
	10/21/2022	10/28/2022 11:30	Simonne.V. Calhoun	10/31/2022 13:19	Alexandra J Mattheus	2364215
EPA 353.2 Rev. 2.0	10/21/2022			10/27/2022 10:57	Beverly Y. Sanders	2364213
	10/21/2022			10/27/2022 10:58	Beverly Y. Sanders	2364214
	10/21/2022			10/27/2022 11:00	Beverly Y. Sanders	2364215
EPA 365.1 Rev. 2.0	10/21/2022	10/26/2022 15:16	Adam P Silver	10/27/2022 10:02	James L Waggeberby	2364213
	10/21/2022	10/26/2022 15:16	Adam P Silver	10/27/2022 10:03	James L Waggeberby	2364214
	10/21/2022	10/26/2022 15:16	Adam P Silver	10/27/2022 10:04	James L Waggeberby	2364215
SM 2320 B-2011	10/21/2022			10/26/2022 01:26	Adam P Silver	2364210
	10/21/2022			10/26/2022 01:39	Adam P Silver	2364211
	10/21/2022			10/26/2022 01:52	Adam P Silver	2364212
SM 2540 C-2015	10/21/2022			10/26/2022 15:26	Yijie Li	2364210, 2364211, 2364212
SM 2540 D-2015	10/21/2022			10/26/2022 15:26	Yijie Li	2364210, 2364211, 2364212
SM 4500-F- C-2011	10/21/2022			11/04/2022 08:17	Dale L. Simmons	2364210
	10/21/2022			11/04/2022 08:23	Dale L. Simmons	2364211
	10/21/2022			11/04/2022 08:28	Dale L. Simmons	2364212
SM 5310 B-2011	10/21/2022			10/27/2022 03:04	Khloe J Berg	2364213
	10/21/2022			10/27/2022 03:19	Khloe J Berg	2364214
	10/21/2022			10/27/2022 03:33	Khloe J Berg	2364215