

Chemical Analysis Report

TLH-ROC-2021-07-22-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Run 6**
Request ID: **RQ-2021-05-24-23**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
Attn: Michael Eckles

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Certified by: Colin Wright, Program Administrator

Date Certified: 18-AUG-2021 12:44

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light gray 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 groups are included in this report: Nutrients and Pesticides.

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: Moore Branch @ Cody Church Rd

Collection Date/Time: 07/22/2021 10:00

Field ID: G1TLHR0041

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2264570	EPA 180.1 Rev. 2.0	Turbidity	2.3		NTU	P401434	
	EPA 300.0 Rev. 2.1	Chloride	4.9		mg Cl/L	P401813	
		Sulfate	0.74		mg SO4/L	P402023	
		Color (true)	130		PCU	P401433	
	SM 2120 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P401516	
	SM 2540 C-2011	TDS	36		mg/L	P401970	
	SM 2540 D-2011	TSS	3	I	mg/L	P401963	
	SM 4500 F-C-2011	Fluoride	0.043	I	mg F/L	P401520	
2264571	EPA 350.1 Rev. 2.0	Ammonia-N	0.010		mg N/L	P401894	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.43	J	mg N/L	P402350	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.018		mg N/L	P401529	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P401697	
	SM 5310 B-2011	Organic Carbon	8.6		mg C/L	P402025	
2264572	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.073		mg P/L	P401407	
2264576	EPA 8276	Chlordane	10	I	ng/L	P401607	
		Toxaphene	36	U	ng/L	P401607	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
 EPA 351.2 Rev. 2.0: Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P401434

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P401813

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P402023

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P401894

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P402350

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P401529

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P401697

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P401407

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

Reference Method: EPA 8276
Batch ID: P401607

Component	Result	Code	Units
Chlordane	5.0	U	ng/L
Chlordane	5.0	U	ng/L
Toxaphene	30	U	ng/L
Toxaphene	30	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 2120 B-2011
Batch ID: P401433

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-2011
Batch ID: P401516

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

Reference Method: SM 2540 C-2011
Batch ID: P401970

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P401963

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P401520

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P402025

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P401813

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	96.6		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P402023

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P401894

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	94.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P402350

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

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P401529

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: P401697

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P401407

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

Reference Method: EPA 8276
 Batch ID: P401607

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	90.2	88.2	P/P	56 - 117
Toxaphene	90.6	90.8	P/P	45 - 116

Reference Method: SM 2120 B-2011
 Batch ID: P401433

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.5		P	85 - 115

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P401516

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	94 - 106

Reference Method: SM 4500 F-C-2011
Batch ID: P401520

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P402025

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P401813

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264570	Chloride	99.6		P	90 - 110
2264691	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P402023

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2263988	Sulfate	97.1		P	90 - 110
2264579	Sulfate	97.3		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P401894

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264209	Ammonia-N	96.0	94.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P402350

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264571	Kjeldahl Nitrogen	113	111	F/F	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P401529

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264204	NO2NO3-N	95.5		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P401697

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264238	Total-P	107	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P401407

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264180	O-Phosphate-P	100	100	P/P	90 - 110

Reference Method: EPA 8276
Batch ID: P401607

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264476	Chlordane	86.3	80.7	P/P	47 - 128
2264476	Toxaphene	101	100	P/P	11 - 163

Reference Method: SM 4500 F-C-2011
Batch ID: P401520

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2263991	Fluoride	101	101	P/P	92 - 107

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P402025

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2264582	Organic Carbon	95.3	96.6	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P401434

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264187	Turbidity	2.39	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P401813

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264691	Chloride	0.392	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P402023

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2263988	Sulfate	0.672	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P401894

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264209	Ammonia-N	0.954	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P402350

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264571	Kjeldahl Nitrogen	1.21	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P401529

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264204	NO2NO3-N	0.361	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P401697

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264238	Total-P	0.846	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P401407

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264180	O-Phosphate-P	0.181	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P401607

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264476	Chlordane	6.76	Spike	P	0 - 30
2264476	Toxaphene	0.998	Spike	P	0 - 30
LFB	Chlordane	2.17	LCS	P	0 - 30
LFB	Toxaphene	0.245	LCS	P	0 - 30

Reference Method: SM 2120 B-2011
Batch ID: P401433

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264580	Color (true)	0.458	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P401516

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2263991	Total Alkalinity	2.31	Sample	P	0 - 5.2

Reference Method: SM 2540 C-2011
Batch ID: P401970

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264769	TDS	0.797	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P401520

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2263991	Fluoride	0.0	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P402025

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2264582	Organic Carbon	0.800	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2264576
Field Sample ID: G1TLHR0041

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	78.6	P	29 - 92.0
EPA 8276	PCNB	76.4	P	43 - 134

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A106770

Included Lab Sample IDs: 2264572

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	97.7	98.3	P/P	90 - 110

Reference Method: SM 2120 B-2011

Run ID: A106777

Included Lab Sample IDs: 2264570

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	99.1	P/P	90 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A106778

Included Lab Sample IDs: 2264570

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	102	P/P	95 - 105

Reference Method: SM 2320 B-2011

Run ID: A106814

Included Lab Sample IDs: 2264570

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	104	99.9	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A106814

Included Lab Sample IDs: 2264570

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A106821

Included Lab Sample IDs: 2264571

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	99.5	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A106905

Included Lab Sample IDs: 2264570

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

Reference Method: EPA 8276

Run ID: A106960

Included Lab Sample IDs: 2264576

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	98.8		P	80 - 120
Toxaphene	94.5		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A107003

Included Lab Sample IDs: 2264571

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	93.8	94.2	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A107025

Included Lab Sample IDs: 2264570

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sulfate	99.3	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A107028

Included Lab Sample IDs: 2264571

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

Reference Method: SM 5310 B-2011

Run ID: A107056

Included Lab Sample IDs: 2264571

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.4	95.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A107223

Included Lab Sample IDs: 2264571

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.7	98.4	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	
EPA 180.1 Rev. 2.0	Turbidity						2.39	
EPA 300.0 Rev. 2.1	Chloride	96.6		100	99.6		0.392	
	Sulfate	98.4		97.1	97.3		0.672	
EPA 350.1 Rev. 2.0	Ammonia-N	94.2		96.0	94.8			0.954
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	107		113	111			1.21
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	100		95.5				0.361
EPA 365.1 Rev. 2.0	Total-P	104		107	108			0.846
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	101		100	100			0.181
EPA 8276	Chlordane	90.2	88.2	86.3	80.7	2.17		6.76
	Toxaphene	90.6	90.8	101	100	0.245		0.998
SM 2120 B-2011	Color (true)	98.5					0.458	
SM 2320 B-2011	Total Alkalinity	102					2.31	
SM 2540 C-2011	TDS						0.797	
SM 4500 F-C-2011	Fluoride	100		101	101			0.0
SM 5310 B-2011	Organic Carbon	95.4		95.3	96.6			0.800

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2264570
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2264570
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2264570
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2264571
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2264571
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2264571
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2264571
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2264572
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2264576
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2264570
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2264570
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2264570
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2264570
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2264570
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2264571

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	07/22/2021			07/22/2021 15:14	Sarah A Nixon	2264570
EPA 300.0 Rev. 2.1	07/22/2021			07/30/2021 21:20	Lipi Saha	2264570
	07/22/2021			08/04/2021 19:17	Lipi Saha	2264570
EPA 350.1 Rev. 2.0	07/22/2021			08/03/2021 13:58	Roberta Tatti	2264571
EPA 351.2 Rev. 2.0	07/22/2021	08/11/2021 18:38	Madeline Gruver	08/12/2021 12:38	Virginia P. Brown	2264571
EPA 353.2 Rev. 2.0	07/22/2021			07/26/2021 10:39	Beverly Y. Sanders	2264571
EPA 365.1 Rev. 2.0	07/22/2021	07/30/2021 15:31	Simonne.V. Calhoun	08/02/2021 09:28	Shengyu Ding	2264571
EPA 365.1 Rev. 2.0 dissolved	07/22/2021			07/22/2021 13:35	Blanca Fach	2264572
EPA 8276	07/22/2021	07/27/2021 08:00	Rasheda Ghaffari	07/31/2021 13:31	Julie Wi	2264576
SM 2120 B-2011	07/22/2021			07/22/2021 16:15	Sarah A Nixon	2264570
SM 2320 B-2011	07/22/2021			07/24/2021 03:34	Dale L. Simmons	2264570
SM 2540 C-2011	07/22/2021			07/27/2021 14:56	Yijie Li	2264570
SM 2540 D-2011	07/22/2021			07/27/2021 14:56	Yijie Li	2264570
SM 4500 F-C-2011	07/22/2021			07/24/2021 03:34	Dale L. Simmons	2264570
SM 5310 B-2011	07/22/2021			08/05/2021 01:37	Madeline Gruver	2264571