

Chemical Analysis Report

TLH-ROC-2021-08-31-01

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-2021-08-09-36**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
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Tallahassee, FL 32399
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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 23-SEP-2021 10:58



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: 08/31/2021 09:25

Field ID: G1TLHR0041

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2272891	EPA 180.1 Rev. 2.0	Turbidity	1.8	A	NTU	P403272	
	EPA 300.0 Rev. 2.1	Chloride	6.1		mg Cl/L	P403407	
		Sulfate	1.3		mg SO4/L	P403409	
		Color (true)	110	A	PCU	P403274	
	SM 2320 B-2011	Total Alkalinity	0.87	I	mg CaCO3/L	P403382	
	SM 2540 C-2011	TDS	46		mg/L	P403469	
	SM 2540 D-2011	TSS	2	U	mg/L	P403470	
2272892	SM 4500 F-C-2011	Fluoride	0.038	I	mg F/L	P403385	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.010		mg N/L	P403359	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.39		mg N/L	P403410	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.013		mg N/L	P403296	
	EPA 365.1 Rev. 2.0	Total-P	0.067		mg P/L	P403323	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P403548	
2272893	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.044		mg P/L	P403275	
2272899	EPA 8276	Chlordane	5.3	U	ng/L	P403259	
		Toxaphene	32	U	ng/L	P403259	

Sample Location: Ichetucknee Spring Group

Collection Date/Time: 08/31/2021 11:45

Field ID: G1TLHR0150

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2272900	EPA 8276	Chlordane	5.2	U	ng/L	P403259	
		Toxaphene	31	U	ng/L	P403259	

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P403272

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403407

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403409

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403359

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403410

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403296

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P403323

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403275

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

Reference Method: EPA 8276
Batch ID: P403259

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: P403274

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-2011
Batch ID: P403382

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

Reference Method: SM 2540 C-2011
Batch ID: P403469

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P403470

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P403385

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P403548

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: P403407

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403409

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.3		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403359

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403410

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: P403296

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P403323

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403275

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

Reference Method: EPA 8276
Batch ID: P403259

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	96.4	89.1	P/P	56 - 117
Toxaphene	100	86.2	P/P	45 - 116

Reference Method: SM 2120 B-2011
Batch ID: P403274

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.8		P	85 - 115

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P403382

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	103		P	94 - 106

Reference Method: SM 4500 F-C-2011
Batch ID: P403385

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.2		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P403548

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403407

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2272421	Chloride	97.5		P	90 - 110
2272891	Chloride	97.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403409

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2272421	Sulfate	98.0		P	90 - 110
2272891	Sulfate	98.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403359

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2273027	Ammonia-N	97.6	98.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403410

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2272892	Kjeldahl Nitrogen	96.7	99.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403296

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2273003	NO2NO3-N	97.0	96.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P403323

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2273025	Total-P	107	107	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403275

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2273031	O-Phosphate-P	99.1	98.8	P/P	90 - 110

Reference Method: EPA 8276
Batch ID: P403259

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2272899	Chlordane	66.2	78.4	P/P	47 - 128
2272899	Toxaphene	74.5	77.1	P/P	11 - 163

Reference Method: SM 4500 F-C-2011
Batch ID: P403385

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2273021	Fluoride	99.6	99.6	P/P	92 - 107

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P403548

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2272182	Organic Carbon	99.8	97.5	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P403272

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272891	Turbidity	4.37	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403407

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272421	Chloride	0.345	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P403409

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272421	Sulfate	0.156	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403359

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2273027	Ammonia-N	0.726	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403410

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272892	Kjeldahl Nitrogen	2.12	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403296

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2273003	NO2NO3-N	0.277	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P403323

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2273025	Total-P	0.333	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403275

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2273031	O-Phosphate-P	0.303	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P403259

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272899	Chlordane	16.9	Spike	P	0 - 30
2272899	Toxaphene	3.45	Spike	P	0 - 30
LFB	Chlordane	7.84	LCS	P	0 - 30
LFB	Toxaphene	15.1	LCS	P	0 - 30

Reference Method: SM 2120 B-2011
Batch ID: P403274

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272891	Color (true)	0.735	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P403382

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2273021	Total Alkalinity	0.879	Sample	P	0 - 5.2

Reference Method: SM 2540 C-2011
Batch ID: P403469

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272780	TDS	0.639	Sample	P	0 - 10

Reference Method: SM 2540 D-2011
Batch ID: P403470

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272775	TSS	0.0	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P403385

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2273021	Fluoride	0.0	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P403548

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2272182	Organic Carbon	1.96	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2272899
Field Sample ID: G1TLHR0041

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	68.3	P	29 - 92.0
EPA 8276	PCNB	78.1	P	43 - 134

Lab Sample ID: 2272900
Field Sample ID: G1TLHR0150

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	66.1	P	29 - 92.0
EPA 8276	PCNB	82.9	P	43 - 134

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A107600

Included Lab Sample IDs: 2272891

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

Reference Method: SM 2120 B-2011

Run ID: A107601

Included Lab Sample IDs: 2272891

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	101	P/P	90 - 115

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A107602

Included Lab Sample IDs: 2272893

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	99.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A107613

Included Lab Sample IDs: 2272892

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	98.0	97.5	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A107634

Included Lab Sample IDs: 2272891

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.3	100	P/P	90 - 110
Sulfate	99.0	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A107638

Included Lab Sample IDs: 2272892

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A107641

Included Lab Sample IDs: 2272892

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.8	98.9	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A107650

Included Lab Sample IDs: 2272891

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	103	99.8	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 4500 F-C-2011

Run ID: A107650

Included Lab Sample IDs: 2272891

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A107674

Included Lab Sample IDs: 2272892

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.1	95.4	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A107704

Included Lab Sample IDs: 2272892

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.8	97.0	P/P	90 - 110

Reference Method: EPA 8276

Run ID: A107749

Included Lab Sample IDs: 2272899, 2272900

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	104		P	80 - 120
Chlordane	99.6		P	80 - 120
Toxaphene	109		P	80 - 120
Toxaphene	85.0		P	80 - 120

* 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						4.37	
EPA 300.0 Rev. 2.1	Chloride	99.3		97.5	97.3		0.345	
	Sulfate	98.3		98.0	98.4		0.156	
EPA 350.1 Rev. 2.0	Ammonia-N	99.4		97.6	98.4			0.726
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	107		96.7	99.4			2.12
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	97.5		97.0	96.5			0.277
EPA 365.1 Rev. 2.0	Total-P	106		107	107			0.333
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.9		99.1	98.8			0.303
EPA 8276	Chlordane	96.4	89.1	66.2	78.4	7.84		16.9
	Toxaphene	100	86.2	74.5	77.1	15.1		3.45
SM 2120 B-2011	Color (true)	99.8					0.735	
SM 2320 B-2011	Total Alkalinity	103					0.879	
SM 2540 C-2011	TDS						0.639	
SM 2540 D-2011	TSS						0.0	
SM 4500 F-C-2011	Fluoride	98.2		99.6	99.6			0.0
SM 5310 B-2011	Organic Carbon	94.4		99.8	97.5			1.96

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2272891
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2272891
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2272891
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2272892
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2272892
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2272892
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2272892
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2272893
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2272899, 2272900
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2272891
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2272891
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2272891
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2272891
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2272891
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2272892

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	08/31/2021			09/01/2021 14:45	Sarah A Nixon	2272891
EPA 300.0 Rev. 2.1	08/31/2021			09/03/2021 15:23	Roberta Tatti	2272891
EPA 350.1 Rev. 2.0	08/31/2021			09/03/2021 11:39	Ping Hua	2272892
EPA 351.2 Rev. 2.0	08/31/2021	09/07/2021 12:14	Benjamin T. Nordmann	09/08/2021 09:40	Alexandra J Mattheus	2272892
EPA 353.2 Rev. 2.0	08/31/2021			09/02/2021 10:10	Beverly Y. Sanders	2272892
EPA 365.1 Rev. 2.0	08/31/2021	09/02/2021 14:00	Simonne.V. Calhoun	09/03/2021 10:23	Shengyu Ding	2272892
EPA 365.1 Rev. 2.0 dissolved	08/31/2021			09/01/2021 16:10	James L Waggeberby	2272893
EPA 8276	08/31/2021	09/03/2021 08:00	Rasheda Ghaffari	09/10/2021 05:31	Julie Wi	2272899
	08/31/2021	09/03/2021 08:00	Rasheda Ghaffari	09/10/2021 13:49	Julie Wi	2272900
SM 2120 B-2011	08/31/2021			09/01/2021 15:30	Sarah A Nixon	2272891
SM 2320 B-2011	08/31/2021			09/02/2021 15:52	Dale L. Simmons	2272891
SM 2540 C-2011	08/31/2021			09/03/2021 11:43	Simonne.V. Calhoun	2272891
SM 2540 D-2011	08/31/2021			09/03/2021 16:00	Simonne.V. Calhoun	2272891
SM 4500 F-C-2011	08/31/2021			09/02/2021 15:52	Dale L. Simmons	2272891
SM 5310 B-2011	08/31/2021			09/08/2021 19:34	Madeline Gruver	2272892