

Chemical Analysis Report

CEN-DIST-2017-06-20-01

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

Event Description: **Jackson / Amoret**
Request ID: **RQ-2017-06-19-43**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
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3319 Maguire Blvd., Suite 232
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Certified by: Thekkekalathil Chandrasekhar, Chemist Administrator Date Certified: 11-JUL-2017 11:11



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 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: JACKSON CANAL 1100M DOWNSTREAM OF CONTROL **Collection Date/Time: 06/19/2017 12:15**

Field ID: G4CE0060

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1907259	EPA 180.1 Rev. 2.0	Turbidity	2.7		NTU	P327193	
	EPA 300.0 Rev. 2.1	Chloride	22		mg Cl/L	P327405	
		Sulfate	2.8		mg SO4/L	P327408	
	SM 2120 B	Color (true)	85		PCU	P327145	
	SM 2320 B-97	Total Alkalinity	39	A	mg CaCO3/L	P327451	
	SM 2540 C-97	TDS	126		mg/L	P327489	
	SM 2540 D-97	TSS	3	I	mg/L	P327527	
	SM 4500 F-C-97	Fluoride	0.13		mg F/L	P327455	
1907261	EPA 350.1 Rev. 2.0	Ammonia-N	0.017		mg N/L	P327285	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.96		mg N/L	P327187	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P327300	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P327210	
	SM 5310 B-00	Organic Carbon	15		mg C/L	P327457	
1907263	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.053		mg P/L	P327170	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: LAKE AMORET 85M SOUTHWEST OF CENTER **Collection Date/Time: 06/19/2017 11:00**

Field ID: G4CE0042

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1907260	EPA 180.1 Rev. 2.0	Turbidity	0.90		NTU	P327193	
	EPA 300.0 Rev. 2.1	Chloride	14	A	mg Cl/L	P327405	
		Sulfate	19	A	mg SO4/L	P327408	
	SM 2120 B	Color (true)	22		PCU	P327145	
	SM 2320 B-97	Total Alkalinity	31		mg CaCO3/L	P327451	
	SM 2540 C-97	TDS	122	A	mg/L	P327489	
	SM 2540 D-97	TSS	3	IA	mg/L	P327527	
	SM 4500 F-C-97	Fluoride	0.042	I	mg F/L	P327455	
1907262	EPA 350.1 Rev. 2.0	Ammonia-N	0.082		mg N/L	P327285	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.85		mg N/L	P327187	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.009	I	mg N/L	P327300	
	EPA 365.1 Rev. 2.0	Total-P	0.045		mg P/L	P327210	
	SM 5310 B-00	Organic Carbon	6.9		mg C/L	P327457	
1907264	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.008	I	mg P/L	P327170	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Quality Assurance Report

Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P327193

Component	Result	Code	Units
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Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P327193

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P327405

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P327408

Component	Result	Code	Units
Sulfate	0.20	U	mg SO ₄ /L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P327285

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P327187

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P327300

Component	Result	Code	Units
NO ₂ NO ₃ -N	0.004	U	mg N/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P327210

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P327170

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

Reference Method: SM 2120 B
Batch ID: P327145

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Quality Assurance Report Method Blank Results

Reference Method: SM 2320 B-97
Batch ID: P327451

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

Reference Method: SM 2540 C-97
Batch ID: P327489

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P327527

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P327455

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P327457

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: P327405

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	96.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P327408

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P327285

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: P327187

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P327187

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

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P327300

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: P327210

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P327170

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

Reference Method: SM 2320 B-97
 Batch ID: P327451

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	104		P	95 - 108

Reference Method: SM 4500 F-C-97
 Batch ID: P327455

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	96.1		P	92 - 103

Reference Method: SM 5310 B-00
 Batch ID: P327457

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P327405

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907154	Chloride	97.0		P	90 - 110
1907260	Chloride	101		P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P327408

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907154	Sulfate	95.3		P	90 - 110
1907260	Sulfate	98.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P327285

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907160	Ammonia-N	101	99.7	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P327187

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907262	Kjeldahl Nitrogen	108	95.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P327300

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907162	NO2NO3-N	100	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P327210

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907261	Total-P	99.2	99.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P327170

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907163	O-Phosphate-P	97.3	97.4	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P327455

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907259	Fluoride	98.4	98.4	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P327457

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1907162	Organic Carbon	93.1	93.2	P/P	85 - 115

Quality Assurance Report Precision

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P327193

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907229	Turbidity	0.881	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P327405

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907260	Chloride	0.755	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P327408

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907260	Sulfate	1.20	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P327285

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907160	Ammonia-N	0.841	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P327187

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907262	Kjeldahl Nitrogen	7.26	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P327300

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907162	NO2NO3-N	0.475	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P327210

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907261	Total-P	0.418	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P327170

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907163	O-Phosphate-P	0.0761	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2120 B
 Batch ID: P327145

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907358	Color (true)	2.09	Sample	P	0 - 20

Reference Method: SM 2320 B-97
 Batch ID: P327451

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907259	Total Alkalinity	0.698	Sample	P	0 - 4.8

Reference Method: SM 2540 C-97
 Batch ID: P327489

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907260	TDS	9.05	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
 Batch ID: P327455

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907259	Fluoride	0.0	Spike	P	0 - 3.0

Reference Method: SM 5310 B-00
 Batch ID: P327457

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1907162	Organic Carbon	0.0290	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
 Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
 Run ID: A77183
 Included Lab Sample IDs: 1907259, 1907260

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	99.0	P/P	90 - 110
Chloride	99.0	99.4	P/P	90 - 110
Sulfate	104	99.6	P/P	90 - 110
Sulfate	104	104	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B

Run ID: A77207

Included Lab Sample IDs: 1907259, 1907260

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A77215

Included Lab Sample IDs: 1907263, 1907264

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.8	100	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A77223

Included Lab Sample IDs: 1907259, 1907260

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.0	99.0	P/P	95 - 105

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A77259

Included Lab Sample IDs: 1907261, 1907262

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.9	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A77260

Included Lab Sample IDs: 1907261

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A77262

Included Lab Sample IDs: 1907261, 1907262

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A77267

Included Lab Sample IDs: 1907262

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	99.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A77287

Included Lab Sample IDs: 1907261, 1907262

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.5	93.7	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 2320 B-97

Run ID: A77329

Included Lab Sample IDs: 1907259, 1907260

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	100	103	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A77329

Included Lab Sample IDs: 1907259, 1907260

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	97.0	97.6	P/P	90 - 110
Fluoride	97.6	99.0	P/P	90 - 110

Reference Method: SM 5310 B-00

Run ID: A77331

Included Lab Sample IDs: 1907261, 1907262

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	94.6	93.6	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 SMP	MS
EPA 180.1 Rev. 2.0	Turbidity				0.881	
EPA 300.0 Rev. 2.1	Chloride	96.8	101 97.0		0.755	
	Sulfate	95.2	98.5 95.3		1.20	
EPA 350.1 Rev. 2.0	Ammonia-N	101	101 99.7			0.841
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.3	108 95.6			7.26
EPA 353.2 Rev. 2.0	NO2NO3-N	102	100 100			0.475
EPA 365.1 Rev. 2.0	Total-P	101	99.2 99.8			0.418
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.3	97.3 97.4			0.0761
SM 2120 B	Color (true)				2.09	
SM 2320 B-97	Total Alkalinity	104			0.698	
SM 2540 C-97	TDS				9.05	
SM 4500 F-C-97	Fluoride	96.1	98.4 98.4			0.0
SM 5310 B-00	Organic Carbon	96.8	93.1 93.2			0.0290

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1907259, 1907260
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	1907259, 1907260
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	1907259, 1907260

Reference Method Descriptions

Method / DoH Cert #	Description	<u>Associated Samples</u>
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1907261, 1907262
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1907261, 1907262
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1907261, 1907262
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1907261, 1907262
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	1907263, 1907264
SM 2120 B / E31780	True Color measured at 450 nm	1907259, 1907260
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	1907259, 1907260
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	1907259, 1907260
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1907259, 1907260
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1907259, 1907260
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1907261, 1907262

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	06/20/2017			06/20/2017 16:32	DeAsia Armster	1907259, 1907260
EPA 300.0 Rev. 2.1	06/20/2017			06/22/2017	Julia Storbeck	1907259, 1907260
EPA 350.1 Rev. 2.0	06/20/2017			06/21/2017	Sofia Elnemr	1907261, 1907262
EPA 351.2 Rev. 2.0	06/20/2017	06/21/2017	Adrian Shelby	06/22/2017	Tanya Welborn	1907261, 1907262
EPA 353.2 Rev. 2.0	06/20/2017			06/22/2017	Beverly Y. Sanders	1907261, 1907262
EPA 365.1 Rev. 2.0	06/20/2017	06/21/2017	Vijayalakshmi Reddy	06/22/2017	Lipi Saha	1907261, 1907262
EPA 365.1 Rev. 2.0 dissolved	06/20/2017			06/20/2017 15:25	Anthony C. Onicha	1907263
	06/20/2017			06/20/2017 15:26	Anthony C. Onicha	1907264
SM 2120 B	06/20/2017			06/20/2017 15:02	Tanya Welborn	1907259
	06/20/2017			06/20/2017 15:03	Tanya Welborn	1907260
SM 2320 B-97	06/20/2017			06/24/2017	Dale L. Simmons	1907259, 1907260
SM 2540 C-97	06/20/2017			06/21/2017	Yijie Li	1907259, 1907260
SM 2540 D-97	06/20/2017			06/21/2017	Yijie Li	1907259, 1907260
SM 4500 F-C-97	06/20/2017			06/24/2017	Dale L. Simmons	1907259, 1907260
SM 5310 B-00	06/20/2017			06/24/2017	Sofia Elnemr	1907261, 1907262