

Chemical Analysis Report

TLH-ROC-2017-08-29-02

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

Event Description: **SMP 2016 Freshwater Kit A**
Request ID: **RQ-2017-07-17-36**
Customer: **TLH-ROC**
Project ID: **SMP**

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

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Certified by: Colin Wright, Program Administrator

Date Certified: 20-SEP-2017 10:09

A handwritten signature in black ink, appearing to read "Colin Wright", is written over 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 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: Gully Branch 80m North of Gully Branch Rd

Collection Date/Time: 08/29/2017 13:30

Field ID: G2TLHR00006-2017-01

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1926161	EPA 180.1 Rev. 2.0	Turbidity	10		NTU	P331026	
	EPA 300.0 Rev. 2.1	Chloride	3.5		mg Cl/L	P331239	
	SM 2120 B	Color (true)	490		PCU	P331083	
	SM 2320 B-97	Total Alkalinity	0.65	U	mg CaCO3/L	P331521	
	SM 2540 C-97	TDS	68		mg/L	P331341	
	SM 2540 D-97	TSS	8	I	mg/L	P331530	
	SM 4500 F-C-97	Fluoride	0.035	U	mg F/L	P331743	
1926163	EPA 350.1 Rev. 2.0	Ammonia-N	0.12		mg N/L	P331168	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.3		mg N/L	P331101	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P331116	
	EPA 365.1 Rev. 2.0	Total-P	0.027		mg P/L	P331063	
	SM 5310 B-00	Organic Carbon	38		mg C/L	P331245	
1926165	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P331073	

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: New River in Tate's Hell

Collection Date/Time: 08/29/2017 11:45

Field ID: G1TLHR00003-2017-01

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1926162	EPA 180.1 Rev. 2.0	Turbidity	7.2		NTU	P331026	
	EPA 300.0 Rev. 2.1	Chloride	3.1		mg Cl/L	P331239	
	SM 2120 B	Color (true)	720		PCU	P331083	
	SM 2320 B-97	Total Alkalinity	0.65	U	mg CaCO3/L	P331521	
	SM 2540 C-97	TDS	88		mg/L	P331341	
	SM 2540 D-97	TSS	4	I	mg/L	P331530	
	SM 4500 F-C-97	Fluoride	0.035	U	mg F/L	P331743	
1926164	EPA 350.1 Rev. 2.0	Ammonia-N	0.18		mg N/L	P331168	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.4		mg N/L	P331101	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P331117	
	EPA 365.1 Rev. 2.0	Total-P	0.021		mg P/L	P331063	
	SM 5310 B-00	Organic Carbon	44		mg C/L	P331245	
1926166	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P331073	

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: P331026

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Quality Assurance Report

Method Blank Results

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P331239

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P331168

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P331101

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331116

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331117

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: P331063

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P331073

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

Reference Method: SM 2120 B
Batch ID: P331083

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97
Batch ID: P331521

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

Quality Assurance Report Method Blank Results

Reference Method: SM 2540 C-97
Batch ID: P331341

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P331530

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P331743

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P331245

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: P331239

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P331168

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P331101

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331116

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331117

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331117

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	104		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P331063

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	98.7		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P331073

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

Reference Method: SM 2320 B-97
Batch ID: P331521

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	95 - 108

Reference Method: SM 4500 F-C-97
Batch ID: P331743

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.8		P	92 - 103

Reference Method: SM 5310 B-00
Batch ID: P331245

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	103		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P331239

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926235	Chloride	96.1		P	90 - 110
1926283	Chloride	92.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P331168

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926155	Ammonia-N	97.4	96.1	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P331101

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926155	Kjeldahl Nitrogen	104	97.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331116

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926163	NO2NO3-N	98.5	98.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331117

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926208	NO2NO3-N	101	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P331063

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926111	Total-P	103	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P331073

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926156	O-Phosphate-P	95.7	98.1	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P331743

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926212	Fluoride	96.5	96.5	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P331245

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1926155	Organic Carbon	107	99.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P331026

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926154	Turbidity	1.13	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P331239

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926283	Chloride	5.96	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P331168

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926155	Ammonia-N	0.823	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P331101

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926155	Kjeldahl Nitrogen	4.85	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331116

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926163	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P331117

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926208	NO2NO3-N	0.494	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P331063

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926111	Total-P	1.48	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P331073

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926156	O-Phosphate-P	2.29	Spike	P	0 - 20

Reference Method: SM 2120 B
Batch ID: P331083

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926154	Color (true)	2.63	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-97
Batch ID: P331521

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926212	Total Alkalinity	0.492	Sample	P	0 - 4.8

Reference Method: SM 2540 C-97
Batch ID: P331341

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926203	TDS	4.58	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
Batch ID: P331743

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926212	Fluoride	0.0	Spike	P	0 - 3.0

Reference Method: SM 5310 B-00
Batch ID: P331245

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1926155	Organic Carbon	5.72	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 180.1 Rev. 2.0
Run ID: A78690
Included Lab Sample IDs: 1926161, 1926162

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	100	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A78712
Included Lab Sample IDs: 1926165, 1926166

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

Reference Method: SM 2120 B
Run ID: A78715
Included Lab Sample IDs: 1926161, 1926162

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	102	P/P	85 - 115

Quality Assurance Report Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A78723

Included Lab Sample IDs: 1926163, 1926164

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A78733

Included Lab Sample IDs: 1926163, 1926164

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A78741

Included Lab Sample IDs: 1926163, 1926164

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A78762

Included Lab Sample IDs: 1926163, 1926164

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	106	100	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A78767

Included Lab Sample IDs: 1926161, 1926162

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	107	P/P	90 - 110
Chloride	106	101	P/P	90 - 110

Reference Method: SM 5310 B-00

Run ID: A78769

Included Lab Sample IDs: 1926163, 1926164

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	102	108	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A78870

Included Lab Sample IDs: 1926161, 1926162

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	102	99.9	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A78959

Included Lab Sample IDs: 1926161, 1926162

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	100	P/P	90 - 110

Quality Assurance Report Calibration Verification

* 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		MS
					LCS	SMP	
EPA 180.1 Rev. 2.0	Turbidity					1.13	
EPA 300.0 Rev. 2.1	Chloride	97.4	92.8	96.1		5.96	
EPA 350.1 Rev. 2.0	Ammonia-N	102	97.4	96.1			0.823
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	108	104	97.9			4.85
EPA 353.2 Rev. 2.0	NO2NO3-N	103	98.5	98.5			0.0
	NO2NO3-N	104	101	102			0.494
EPA 365.1 Rev. 2.0	Total-P	98.7	103	101			1.48
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.0	95.7	98.1			2.29
SM 2120 B	Color (true)					2.63	
SM 2320 B-97	Total Alkalinity	102				0.492	
SM 2540 C-97	TDS					4.58	
SM 4500 F-C-97	Fluoride	97.8	96.5	96.5			0.0
SM 5310 B-00	Organic Carbon	103	107	99.8			5.72

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1926161, 1926162
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	1926161, 1926162
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1926163, 1926164
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1926163, 1926164
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1926163, 1926164
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1926163, 1926164
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	1926165, 1926166
SM 2120 B / E31780	True Color measured at 450 nm	1926161, 1926162
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	1926161, 1926162
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	1926161, 1926162
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1926161, 1926162
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1926161, 1926162
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1926163, 1926164

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	08/29/2017			08/29/2017 16:39	DeAsia Armster	1926161, 1926162
EPA 300.0 Rev. 2.1	08/29/2017			09/01/2017	Julia Storbeck	1926161, 1926162
EPA 350.1 Rev. 2.0	08/29/2017			08/31/2017	Sofia Elnemr	1926163, 1926164
EPA 351.2 Rev. 2.0	08/29/2017	08/31/2017	Adrian Shelby	09/01/2017	Joseph Suarez	1926163, 1926164
EPA 353.2 Rev. 2.0	08/29/2017			08/31/2017	Beverly Y. Sanders	1926163, 1926164
EPA 365.1 Rev. 2.0	08/29/2017	08/30/2017	Sima Feizi	08/31/2017	Lipi Saha	1926163, 1926164
EPA 365.1 Rev. 2.0 dissolved	08/29/2017			08/30/2017 13:58	Megan Treadwell	1926165
	08/29/2017			08/30/2017 13:59	Megan Treadwell	1926166
SM 2120 B	08/29/2017			08/30/2017 16:47	Tanya Welborn	1926161
	08/29/2017			08/30/2017 16:48	Tanya Welborn	1926162
SM 2320 B-97	08/29/2017			09/06/2017	Dale L. Simmons	1926161, 1926162
SM 2540 C-97	08/29/2017			09/01/2017	Yijie Li	1926161, 1926162
SM 2540 D-97	08/29/2017			09/01/2017	Yijie Li	1926161, 1926162
SM 4500 F-C-97	08/29/2017			09/15/2017	Dale L. Simmons	1926161, 1926162
SM 5310 B-00	08/29/2017			09/02/2017	Ping Hua	1926163, 1926164