

Chemical Analysis Report

SO-DIST-2016-08-02-02

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

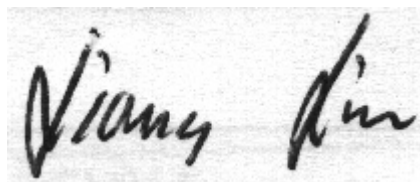
Event Description: **WBID 2056A**
Request ID: **RQ-2016-06-20-03**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Corey Anderson

For additional information please contact
Timothy W. Fitzpatrick
Liang-Tsair Lin, Ph.D.
Colin Wright, Ph.D.
Thekkekalathil Chandrasekhar, PhD, QA Officer
Phone (850) 245-8085

Certified by: Liang Lin, Environmental Administrator

Date Certified: 22-AUG-2016 13:43

A handwritten signature in black ink, appearing to read "Liang Lin", is written on a light-colored, textured 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: Metals and 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: CHARLOTTE HARBOR

Collection Date/Time: 08/01/2016 06:53

Field ID: CHV006

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1820918	EPA 180.1 Rev. 2.0	Turbidity	1.2		NTU	P309075	
	SM 2120 B	Color (true)	130		PCU	P309250	
	SM 2320 B-97	Total Alkalinity	72		mg CaCO3/L	P309336	
	SM 2540 D-97	TSS	3	U	mg/L	P309327	
	SM 4500 F-C-97	Fluoride	0.52		mg F/L	P309343	
1820919	EPA 350.1 Rev. 2.0	Ammonia-N	0.12		mg N/L	P309163	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.99		mg N/L	P309315	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.052		mg N/L	P309353	
	EPA 365.1 Rev. 2.0	Total-P	0.36		mg P/L	P309567	
	SM 5310 B-00	Organic Carbon	16		mg C/L	P309811	
1820920	EPA 200.7 Rev. 4.4	Iron	290		ug/L	P309049	
	EPA 200.8 Rev. 5.4	Arsenic	1.57		ug/L	P309049	
		Cadmium	0.060	U	ug/L	P309049	
		Chromium	0.30	I	ug/L	P309049	
		Copper	1.0	I	ug/L	P309049	
		Lead	0.15	U	ug/L	P309049	
		Nickel	0.42	I	ug/L	P309049	
		Silver	0.015	U	ug/L	P309049	
		Zinc	7.9	I	ug/L	P309049	

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: P309075

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P309049

Component	Result	Code	Units
Iron	30	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P309049

Component	Result	Code	Units
Arsenic	0.050	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.050	U	ug/L
Copper	0.10	U	ug/L
Lead	0.050	U	ug/L
Nickel	0.050	U	ug/L
Silver	0.0050	U	ug/L
Zinc	1.0	U	ug/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P309163

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P309315

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P309353

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P309567

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

Reference Method: SM 2120 B
Batch ID: P309250

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97
Batch ID: P309336

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

Reference Method: SM 2540 D-97
Batch ID: P309327

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P309343

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P309811

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P309049

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Iron	109		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P309049

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Arsenic	94.6		P	85 - 115
Cadmium	98.0		P	85 - 115
Chromium	97.4		P	85 - 115
Copper	97.1		P	85 - 115
Lead	93.9		P	85 - 115
Nickel	96.2		P	85 - 115
Silver	92.4		P	85 - 115
Zinc	98.0		P	85 - 115

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P309163

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: P309315

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.2		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P309353

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: P309567

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

Reference Method: SM 2320 B-97
Batch ID: P309336

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	103		P	95 - 108

Reference Method: SM 4500 F-C-97
Batch ID: P309343

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.4		P	91 - 105

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-00
Batch ID: P309811

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	94.0		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P309049

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1820068	Iron	105	109	P/P	70 - 130

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P309049

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1820068	Arsenic	98.0	102	P/P	70 - 130
1820068	Cadmium	101	100	P/P	70 - 130
1820068	Chromium	91.4	93.3	P/P	70 - 130
1820068	Copper	93.4	95.6	P/P	70 - 130
1820068	Lead	97.9	98.2	P/P	70 - 130
1820068	Nickel	95.1	97.0	P/P	70 - 130
1820068	Silver	90.1	91.0	P/P	70 - 130
1820068	Zinc	94.1	95.8	P/P	70 - 130

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P309163

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1820774	Ammonia-N	107	108	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P309315

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1820520	Kjeldahl Nitrogen	101	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P309353

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1820623	NO2NO3-N	103	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P309567

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1821143	Total-P	97.4	94.6	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 4500 F-C-97
Batch ID: P309343

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1821958	Fluoride	97.8	99.0	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P309811

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1819776	Organic Carbon	96.7	98.5	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P309075

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820840	Turbidity	0.545	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P309049

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820068	Iron	3.80	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P309049

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820068	Arsenic	3.42	Spike	P	0 - 20
1820068	Cadmium	1.03	Spike	P	0 - 20
1820068	Chromium	2.00	Spike	P	0 - 20
1820068	Copper	2.19	Spike	P	0 - 20
1820068	Lead	0.332	Spike	P	0 - 20
1820068	Nickel	1.89	Spike	P	0 - 20
1820068	Silver	1.05	Spike	P	0 - 20
1820068	Zinc	1.66	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P309163

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820774	Ammonia-N	1.04	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P309315

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
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Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P309315

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820520	Kjeldahl Nitrogen	4.26	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P309353

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820623	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P309567

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1821143	Total-P	2.67	Spike	P	0 - 20

Reference Method: SM 2120 B
Batch ID: P309250

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1820607	Color (true)	1.38	Sample	P	0 - 20

Reference Method: SM 2320 B-97
Batch ID: P309336

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1821958	Total Alkalinity	0.348	Sample	P	0 - 4.8

Reference Method: SM 4500 F-C-97
Batch ID: P309343

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1821958	Fluoride	0.933	Spike	P	0 - 3.0

Reference Method: SM 5310 B-00
Batch ID: P309811

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1819776	Organic Carbon	1.49	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

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B
Run ID: A70904
Included Lab Sample IDs: 1820918

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.1	98.8	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A70915
Included Lab Sample IDs: 1820918

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A70937
Included Lab Sample IDs: 1820919

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

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A70940
Included Lab Sample IDs: 1820920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Cadmium	97.1	95.3	P/P	90 - 110
Lead	91.9	92.3	P/P	90 - 110
Silver	92.2	91.0	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A70957
Included Lab Sample IDs: 1820920

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

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A70963
Included Lab Sample IDs: 1820920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Arsenic	91.9	93.0	P/P	90 - 110
Chromium	93.5	92.3	P/P	90 - 110

Reference Method: SM 2320 B-97
Run ID: A70986
Included Lab Sample IDs: 1820918

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	104	101	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 4500 F-C-97
Run ID: A70986
Included Lab Sample IDs: 1820918

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

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A70990
Included Lab Sample IDs: 1820920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nickel	96.1	96.7	P/P	90 - 110
Zinc	96.4	96.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A70993
Included Lab Sample IDs: 1820919

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A71067
Included Lab Sample IDs: 1820919

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.9	97.3	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A71099
Included Lab Sample IDs: 1820920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Copper	95.8	93.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A71113
Included Lab Sample IDs: 1820919

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

Reference Method: SM 5310 B-00
Run ID: A71153
Included Lab Sample IDs: 1820919

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	94.7	94.6	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					0.545	
EPA 200.7 Rev. 4.4	Iron	109	105	109			3.80
EPA 200.8 Rev. 5.4	Arsenic	94.6	98.0	102			3.42
	Cadmium	98.0	101	100			1.03
	Chromium	97.4	91.4	93.3			2.00
	Copper	97.1	93.4	95.6			2.19
	Lead	93.9	97.9	98.2			0.332
	Nickel	96.2	95.1	97.0			1.89
	Silver	92.4	90.1	91.0			1.05
	Zinc	98.0	94.1	95.8			1.66
EPA 350.1 Rev. 2.0	Ammonia-N	101	107	108			1.04
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.2	101	107			4.26
EPA 353.2 Rev. 2.0	NO2NO3-N	102	103	103			0.0
EPA 365.1 Rev. 2.0	Total-P	103	97.4	94.6			2.67
SM 2120 B	Color (true)					1.38	
SM 2320 B-97	Total Alkalinity	103				0.348	
SM 4500 F-C-97	Fluoride	99.4	97.8	99.0			0.933
SM 5310 B-00	Organic Carbon	94.0	96.7	98.5			1.49

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1820918
EPA 200.7 Rev. 4.4 / E31780	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	1820920
EPA 200.8 Rev. 5.4 / E31780	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	1820920
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1820919
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1820919
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1820919
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1820919
SM 2120 B / E31780	True Color measured at 450 nm	1820918
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	1820918
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1820918
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1820918
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1820919

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	08/02/2016			08/02/2016 16:56	Blanca Fach	1820918
EPA 200.7 Rev. 4.4	08/02/2016	08/02/2016	Elliott D. Healy	08/04/2016	Joshua Ayres	1820920
EPA 200.8 Rev. 5.4	08/02/2016	08/02/2016	Elliott D. Healy	08/04/2016	Charles J. Peterson	1820920
	08/02/2016	08/02/2016	Elliott D. Healy	08/05/2016	Charles J. Peterson	1820920
	08/02/2016	08/02/2016	Elliott D. Healy	08/11/2016	Charles J. Peterson	1820920
	08/02/2016	08/02/2016	Elliott D. Healy	08/03/2016	Julie Michelle Frank	1820919
EPA 350.1 Rev. 2.0	08/02/2016			08/10/2016	Virginia P. Brown	1820919
EPA 351.2 Rev. 2.0	08/02/2016	08/08/2016	Sofia Elnemr	08/08/2016	Beverly Y. Sanders	1820919
EPA 353.2 Rev. 2.0	08/02/2016			08/08/2016	Beverly Y. Sanders	1820919
EPA 365.1 Rev. 2.0	08/02/2016	08/11/2016	Vijayalakshmi Reddy	08/12/2016	Lipi Saha	1820919
SM 2120 B	08/02/2016			08/02/2016 16:09	Rochelle Y Jackson	1820918
SM 2320 B-97	08/02/2016			08/06/2016	Dale L. Simmons	1820918
SM 2540 D-97	08/02/2016			08/04/2016	Yijie Li	1820918
SM 4500 F-C-97	08/02/2016			08/06/2016	Dale L. Simmons	1820918
SM 5310 B-00	08/02/2016			08/16/2016	Sofia Elnemr	1820919