Chemical Analysis Report

SE-DIST-2019-09-26-02

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

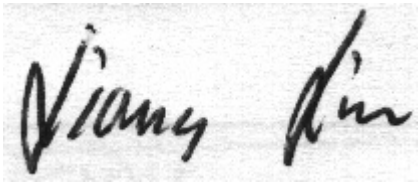
Event Description: **SMP- Biscayne**
Request ID: **RQ-2019-09-16-58**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Matthew Sewell

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Liang Lin, Environmental Administrator

Date Certified: 11-OCT-2019 14:30



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 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: Atlantic Ocean (WBID 8090 ENRG6) **Collection Date/Time: 09/25/2019 14:00**

Field ID: G4SE0128 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2122805	EPA 180.1 Rev. 2.0	Turbidity	0.30		NTU	P371422	
	EPA 300.0	Bromide	81		mg Br/L	P371835	
	SM 2320 B-97	Total Alkalinity	122	A	mg CaCO3/L	P371988	
	SM 2540 D-97	TSS	3	U	mg/L	P371976	
	SM 4500 F-C-97	Fluoride	1.2		mg F/L	P371991	
2122807	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	I	mg N/L	P371869	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.27	I	mg N/L	P391620	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P371540	
	EPA 365.1 Rev. 2.0	Total-P	0.006	I	mg P/L	P371580	MS
	SM 5310 B-00	Organic Carbon	1.4	I	mg C/L	P371644	
2122809	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P371404	

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: Atlantic Ocean (WBID 8090 ENRG7) **Collection Date/Time: 09/25/2019 15:00**

Field ID: G4SE0129 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2122806	EPA 180.1 Rev. 2.0	Turbidity	1.0		NTU	P371422	
	EPA 300.0	Bromide	77		mg Br/L	P371835	
	SM 2320 B-97	Total Alkalinity	123		mg CaCO3/L	P371988	
	SM 2540 D-97	TSS	3	U	mg/L	P371567	
	SM 4500 F-C-97	Fluoride	1.2		mg F/L	P371991	
2122808	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	I	mg N/L	P371869	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.26	I	mg N/L	P391620	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P371540	
	EPA 365.1 Rev. 2.0	Total-P	0.006	I J	mg P/L	P371580	MS
	SM 5310 B-00	Organic Carbon	1.5	I	mg C/L	P371644	
2122810	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P371406	

Ref. Method and Comment:
SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 365.1 Rev. 2.0: Total-P: Refer to the narrative for an explanation of QC Codes.

Quality Assurance Report
Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P371422

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0
Batch ID: P371835

Component	Result	Code	Units
Bromide	0.013	U	mg Br/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P371869

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P391620

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P371540

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P371580

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371404

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371406

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

Reference Method: SM 2320 B-97
Batch ID: P371988

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 D-97
Batch ID: P371567

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P371976

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P371991

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P371644

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 300.0
Batch ID: P371835

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Bromide	99.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P371869

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: P391620

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	92.4		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P371540

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P371580

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371404

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371406

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

Reference Method: SM 2320 B-97
Batch ID: P371988

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	104		P	98 - 106

Reference Method: SM 4500 F-C-97
Batch ID: P371991

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.2		P	92 - 103

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-00
Batch ID: P371644

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.0		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0
Batch ID: P371835

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122392	Bromide	97.4	97.1	P/P	90 - 110
2123040	Bromide	97.2		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P371869

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122488	Ammonia-N	102	103	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P391620

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122808	Kjeldahl Nitrogen	90.3	91.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P371540

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122713	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P371580

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122808	Total-P	88.8	90.9	F/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371404

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122492	O-Phosphate-P	95.2	97.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371406

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122810	O-Phosphate-P	94.7	97.0	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P371991

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122805	Fluoride	93.6	92.1	P/P	89 - 106

Reference Method: SM 5310 B-00
Batch ID: P371644

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2122491	Organic Carbon	92.3	91.7	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P371422

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122945	Turbidity	4.73	Sample	P	0 - 20

Reference Method: EPA 300.0
Batch ID: P371835

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122392	Bromide	0.319	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P371869

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122488	Ammonia-N	0.218	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P391620

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122808	Kjeldahl Nitrogen	0.903	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P371540

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122713	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P371580

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122808	Total-P	2.37	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371404

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122492	O-Phosphate-P	1.87	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P371406

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122810	O-Phosphate-P	2.40	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: SM 2320 B-97
Batch ID: P371988

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122805	Total Alkalinity	0.730	Sample	P	0 - 2.8

Reference Method: SM 4500 F-C-97
Batch ID: P371991

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122805	Fluoride	0.960	Spike	P	0 - 2.5

Reference Method: SM 5310 B-00
Batch ID: P371644

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2122491	Organic Carbon	0.570	Spike	P	0 - 20

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

Quality Assurance Report
Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A94535
Included Lab Sample IDs: 2122809, 2122810

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.6	98.6	P/P	90 - 110
O-Phosphate-P	98.9	99.1	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A94539
Included Lab Sample IDs: 2122805, 2122806

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A94589
Included Lab Sample IDs: 2122807, 2122808

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

Reference Method: SM 5310 B-00
Run ID: A94634
Included Lab Sample IDs: 2122807, 2122808

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	94.8	99.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A94659
Included Lab Sample IDs: 2122807, 2122808

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A94665
Included Lab Sample IDs: 2122807, 2122808

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	93.8	97.9	P/P	90 - 110
Kjeldahl Nitrogen	97.9	95.0	P/P	90 - 110

Reference Method: EPA 300.0
Run ID: A94704
Included Lab Sample IDs: 2122805, 2122806

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Bromide	105	107	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A94715
Included Lab Sample IDs: 2122807, 2122808

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits

Quality Assurance Report
Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A94715
Included Lab Sample IDs: 2122807, 2122808

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	101	101	P/P	90 - 110
Ammonia-N	101	99.9	P/P	90 - 110

Reference Method: SM 2320 B-97
Run ID: A94754
Included Lab Sample IDs: 2122805, 2122806

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	102	104	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Run ID: A94754
Included Lab Sample IDs: 2122805, 2122806

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	100	99.5	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			Precision		
						LCS	SMP	MS
EPA 180.1 Rev. 2.0	Turbidity						4.73	
EPA 300.0	Bromide	99.8	97.4	97.1	97.2			0.319
EPA 350.1 Rev. 2.0	Ammonia-N	101	102	103				0.218
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	92.4	90.3	91.2				0.903
EPA 353.2 Rev. 2.0	NO2NO3-N	101	102	102				0.0
EPA 365.1 Rev. 2.0	Total-P	97.0	88.8	90.9				2.37
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.4	95.2	97.0				1.87
	O-Phosphate-P	100	94.7	97.0				2.40
SM 2320 B-97	Total Alkalinity	104					0.730	
SM 4500 F-C-97	Fluoride	98.2	93.6	92.1				0.960
SM 5310 B-00	Organic Carbon	95.0	92.3	91.7				0.570

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	2122805, 2122806
EPA 300.0 / E31780	Bromide in aqueous matrices	2122805, 2122806
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	2122807, 2122808
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	2122807, 2122808
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	2122807, 2122808
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	2122807, 2122808
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2122809, 2122810
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	2122805, 2122806
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2122805, 2122806
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2122805, 2122806
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	2122807, 2122808

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	09/26/2019			09/26/2019 16:38	Rosalyn Ballman	2122805, 2122806
EPA 300.0	09/26/2019			10/03/2019 12:31	Julia Storbeck	2122805
	09/26/2019			10/03/2019 12:48	Julia Storbeck	2122806
EPA 350.1 Rev. 2.0	09/26/2019			10/03/2019 12:35	Ping Hua	2122807
	09/26/2019			10/03/2019 12:42	Ping Hua	2122808
EPA 351.2 Rev. 2.0	09/26/2019	10/01/2019 11:12	Sima Feizi	10/02/2019 14:27	Julia Storbeck	2122808
	09/26/2019	10/01/2019 11:12	Sima Feizi	10/02/2019 14:36	Julia Storbeck	2122807
EPA 353.2 Rev. 2.0	09/26/2019			09/30/2019 11:49	Beverly Y. Sanders	2122807
	09/26/2019			09/30/2019 11:50	Beverly Y. Sanders	2122808
EPA 365.1 Rev. 2.0	09/26/2019	10/01/2019 12:41	Vijayalakshmi Reddy	10/02/2019 12:47	Lipi Saha	2122807
	09/26/2019	10/01/2019 12:41	Vijayalakshmi Reddy	10/02/2019 12:49	Lipi Saha	2122808
EPA 365.1 Rev. 2.0 dissolved	09/26/2019			09/26/2019 14:36	Ping Hua	2122810
	09/26/2019			09/26/2019 15:00	Ping Hua	2122809
SM 2320 B-97	09/26/2019			10/04/2019 11:28	Dale L. Simmons	2122806
	09/26/2019			10/04/2019 13:13	Dale L. Simmons	2122805
SM 2540 D-97	09/26/2019			09/27/2019 17:15	Rosalyn Ballman	2122805, 2122806
SM 4500 F-C-97	09/26/2019			10/04/2019 05:41	Dale L. Simmons	2122805
	09/26/2019			10/04/2019 06:35	Dale L. Simmons	2122806
SM 5310 B-00	09/26/2019			10/01/2019 07:38	Madeline Funaro	2122807
	09/26/2019			10/01/2019 08:03	Madeline Funaro	2122808