

Chemical Analysis Report

TLH-ROC-2020-11-03-02

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

Event Description: **Marine Kits**
Request ID: **RQ-2020-11-02-50**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
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Certified by: Colin Wright, Program Administrator

Date Certified: 25-NOV-2020 08:45

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on 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 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: Watson Bayou South

Collection Date/Time: 11/03/2020 10:40

Field ID: G3TLHR0006

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2206175	EPA 180.1 Rev. 2.0	Turbidity	1.1		NTU	P389754	
	EPA 300.0 Rev. 2.1	Bromide	52		mg Br/L	P390091	
	SM 2320 B-2011	Total Alkalinity	97		mg CaCO3/L	P389922	
	SM 2540 D-2011	TSS	6	I	mg/L	P390149	
	SM 4500 F-C-2011	Fluoride	0.98		mg F/L	P390100	
2206178	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P389891	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.27	I	mg N/L	P389832	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P389795	
	EPA 365.1 Rev. 2.0	Total-P	0.015		mg P/L	P389799	
	SM 5310 B-2011	Organic Carbon	4.3		mg C/L	P389909	
2206181	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.006	I	mg P/L	P389765	

Sample Location: Parker Bayou @ Mouth

Collection Date/Time: 11/03/2020 11:30

Field ID: G3TLHR0043

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2206176	EPA 180.1 Rev. 2.0	Turbidity	2.2		NTU	P389754	
	EPA 300.0 Rev. 2.1	Bromide	36		mg Br/L	P390091	
	SM 2320 B-2011	Total Alkalinity	68	A	mg CaCO3/L	P389922	
	SM 2540 D-2011	TSS	4	I	mg/L	P390149	
	SM 4500 F-C-2011	Fluoride	0.67		mg F/L	P390100	
2206179	EPA 350.1 Rev. 2.0	Ammonia-N	0.027		mg N/L	P389891	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.39	I	mg N/L	P389832	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.043		mg N/L	P389795	
	EPA 365.1 Rev. 2.0	Total-P	0.014		mg P/L	P389801	
	SM 5310 B-2011	Organic Carbon	8.2		mg C/L	P389909	
2206182	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P389765	

Sample Location: Eagle Nest Continuous Monitoring

Collection Date/Time: 11/03/2020 12:50

Field ID: G3TLHR0019

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2206177	EPA 180.1 Rev. 2.0	Turbidity	7.6		NTU	P389754	
	EPA 300.0 Rev. 2.1	Bromide	20		mg Br/L	P390091	
	SM 2320 B-2011	Total Alkalinity	48		mg CaCO3/L	P389922	
	SM 2540 D-2011	TSS	12	A	mg/L	P390149	
	SM 4500 F-C-2011	Fluoride	0.37		mg F/L	P390100	
2206180	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P389891	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.70		mg N/L	P389832	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.10		mg N/L	P389795	
	EPA 365.1 Rev. 2.0	Total-P	0.036		mg P/L	P389801	
	SM 5310 B-2011	Organic Carbon	13		mg C/L	P389909	
2206183	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P389765	

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P389754

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P390091

Component	Result	Code	Units
Bromide	0.013	U	mg Br/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389891

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389832

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389795

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389799

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389801

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389765

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

Reference Method: SM 2320 B-2011
Batch ID: P389922

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 D-2011
Batch ID: P390149

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P390100

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P389909

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: P390091

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389891

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389832

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389795

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: P389799

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389801

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: P389765

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

Reference Method: SM 2320 B-2011
Batch ID: P389922

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.9		P	93 - 104

Reference Method: SM 4500 F-C-2011
Batch ID: P390100

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	94.0		P	90 - 106

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P389909

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	104		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P390091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206644	Bromide	102	100	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389891

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206178	Ammonia-N	106	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389832

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206054	Kjeldahl Nitrogen	108	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389795

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206051	NO2NO3-N	101	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389799

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2205823	Total-P	101	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389801

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206179	Total-P	97.2	97.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389765

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206181	O-Phosphate-P	95.3	96.4	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P390100

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206177	Fluoride	104	102	P/P	94 - 107

Reference Method: SM 5310 B-2011
Batch ID: P389909

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2206267	Organic Carbon	98.3	98.7	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P389754

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206161	Turbidity	4.25	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P390091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206644	Bromide	1.78	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P389891

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206178	Ammonia-N	0.914	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P389832

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206054	Kjeldahl Nitrogen	0.873	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P389795

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206051	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389799

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2205823	Total-P	1.66	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P389801

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206179	Total-P	0.582	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P389765

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206181	O-Phosphate-P	1.08	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P389922

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206176	Total Alkalinity	2.70	Sample	P	0 - 8.1

Reference Method: SM 2540 D-2011
Batch ID: P390149

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206177	TSS	6.45	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P390100

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206177	Fluoride	1.00	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
Batch ID: P389909

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2206267	Organic Carbon	0.332	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A101959

Included Lab Sample IDs: 2206175, 2206176, 2206177

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.0	97.0	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A101961

Included Lab Sample IDs: 2206181, 2206182, 2206183

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	101	P/P	90 - 110
O-Phosphate-P	102	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A101978

Included Lab Sample IDs: 2206178, 2206179, 2206180

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A102027

Included Lab Sample IDs: 2206178, 2206179, 2206180

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A102028

Included Lab Sample IDs: 2206178, 2206179, 2206180

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	106	104	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A102035

Included Lab Sample IDs: 2206178, 2206179, 2206180

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	103	96.0	P/P	90 - 110
Organic Carbon	96.0	98.6	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A102049

Included Lab Sample IDs: 2206175, 2206176, 2206177

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.6	99.3	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A102067

Included Lab Sample IDs: 2206175, 2206176, 2206177

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A102068

Included Lab Sample IDs: 2206178, 2206179, 2206180

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	97.5	P/P	90 - 110
Total-P	99.5	99.0	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A102147

Included Lab Sample IDs: 2206175, 2206176, 2206177

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	96.5	101	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	MS
						SMP	
EPA 180.1 Rev. 2.0	Turbidity					4.25	
EPA 300.0 Rev. 2.1	Bromide	102	102	100			1.78
EPA 350.1 Rev. 2.0	Ammonia-N	97.8	106	105			0.914
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	106	108	107			0.873
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	101	101	101			0.0
EPA 365.1 Rev. 2.0	Total-P	102	101	103			1.66
	Total-P	101	97.2	97.8			0.582
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.1	95.3	96.4			1.08
SM 2320 B-2011	Total Alkalinity	98.9				2.70	
SM 2540 D-2011	TSS					6.45	
SM 4500 F-C-2011	Fluoride	94.0	104	102			1.00
SM 5310 B-2011	Organic Carbon	104	98.3	98.7			0.332

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2206175, 2206176, 2206177
EPA 300.0 Rev. 2.1	Bromide in aqueous matrices	2206175, 2206176, 2206177
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2206178, 2206179, 2206180
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2206178, 2206179, 2206180
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2206178, 2206179, 2206180
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2206178, 2206179, 2206180
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2206181, 2206182, 2206183
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2206175, 2206176, 2206177
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2206175, 2206176, 2206177
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2206175, 2206176, 2206177
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2206178, 2206179, 2206180

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	11/03/2020			11/04/2020 15:13	Yen Ta	2206175, 2206176, 2206177
EPA 300.0 Rev. 2.1	11/03/2020			11/13/2020 15:07	Lipi Saha	2206175
	11/03/2020			11/13/2020 15:25	Lipi Saha	2206176
	11/03/2020			11/13/2020 15:43	Lipi Saha	2206177
EPA 350.1 Rev. 2.0	11/03/2020			11/07/2020 10:50	Ping Hua	2206178
	11/03/2020			11/07/2020 11:08	Ping Hua	2206179
	11/03/2020			11/07/2020 14:34	Ping Hua	2206180
EPA 351.2 Rev. 2.0	11/03/2020	11/05/2020 14:28	David Boose	11/07/2020 15:01	Elliott Rodriguez	2206178
	11/03/2020	11/05/2020 14:28	David Boose	11/07/2020 15:03	Elliott Rodriguez	2206179
	11/03/2020	11/05/2020 14:28	David Boose	11/07/2020 15:04	Elliott Rodriguez	2206180
EPA 353.2 Rev. 2.0	11/03/2020			11/05/2020 11:21	Beverly Y. Sanders	2206178
	11/03/2020			11/05/2020 11:22	Beverly Y. Sanders	2206179
	11/03/2020			11/05/2020 11:23	Beverly Y. Sanders	2206180
EPA 365.1 Rev. 2.0	11/03/2020	11/05/2020 12:58	Yen Ta	11/10/2020 10:42	Shengyu Wang	2206178
	11/03/2020	11/05/2020 12:58	Yen Ta	11/10/2020 10:56	Shengyu Wang	2206179
	11/03/2020	11/05/2020 12:58	Yen Ta	11/10/2020 10:57	Shengyu Wang	2206180
EPA 365.1 Rev. 2.0 dissolved	11/03/2020			11/04/2020 17:27	Ping Hua	2206181
	11/03/2020			11/04/2020 17:50	Ping Hua	2206182
	11/03/2020			11/04/2020 17:51	Ping Hua	2206183
SM 2320 B-2011	11/03/2020			11/07/2020 06:48	Dale L. Simmons	2206176
	11/03/2020			11/07/2020 07:01	Dale L. Simmons	2206175
	11/03/2020			11/07/2020 07:14	Dale L. Simmons	2206177
SM 2540 D-2011	11/03/2020			11/09/2020 13:51	Yijie Li	2206175, 2206176, 2206177
SM 4500 F-C-2011	11/03/2020			11/13/2020 19:16	Dale L. Simmons	2206177
	11/03/2020			11/13/2020 19:29	Dale L. Simmons	2206175
	11/03/2020			11/13/2020 19:35	Dale L. Simmons	2206176
SM 5310 B-2011	11/03/2020			11/07/2020 02:06	Touraj Touran	2206178
	11/03/2020			11/07/2020 02:47	Touraj Touran	2206179
	11/03/2020			11/07/2020 03:11	Touraj Touran	2206180