Chemical Analysis Report

NE-DIST-2020-10-02-01

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

Event Description: **Vilano Boat**
Request ID: **RQ-2020-09-28-08**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
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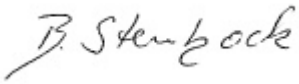
Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 26-OCT-2020 15:49



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: St.Augustine Inlet Se Of Vilano Bt.rmp. **Collection Date/Time: 10/01/2020 10:55**

Field ID: G5NE0587 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2199653	EPA 180.1 Rev. 2.0	Turbidity	2.5		NTU	P388163	
	EPA 300.0 Rev. 2.1	Bromide	71		mg Br/L	P388434	
	SM 2320 B-2011	Total Alkalinity	120		mg CaCO3/L	P388524	
	SM 2540 D-2011	TSS	4	I A	mg/L	P388619	
	SM 4500 F-C-2011	Fluoride	1.3		mg F/L	P388254	
2199654	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P388183	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.27	I	mg N/L	P388543	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P388266	
	EPA 365.1 Rev. 2.0	Total-P	0.025		mg P/L	P388225	
	SM 5310 B-2011	Organic Carbon	1.9	I	mg C/L	P388445	
2199655	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.009	I	mg P/L	P388169	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Ximanies Creek @ 1st Se Bend **Collection Date/Time: 10/01/2020 11:30**

Field ID: 27010053 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2199647	EPA 180.1 Rev. 2.0	Turbidity	9.3		NTU	P388163	
	EPA 300.0 Rev. 2.1	Bromide	62		mg Br/L	P388434	
	SM 2320 B-2011	Total Alkalinity	116		mg CaCO3/L	P388524	
	SM 2540 D-2011	TSS	24		mg/L	P388619	
	SM 4500 F-C-2011	Fluoride	1.2		mg F/L	P388254	
2199649	EPA 350.1 Rev. 2.0	Ammonia-N	0.047		mg N/L	P388183	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.53		mg N/L	P388543	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.028		mg N/L	P388266	
	EPA 365.1 Rev. 2.0	Total-P	0.062		mg P/L	P388225	
	SM 5310 B-2011	Organic Carbon	4.8		mg C/L	P388445	
2199651	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.025		mg P/L	P388169	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Sombrero Creek @ 1st North Bend Above The lcw **Collection Date/Time: 10/01/2020 12:30**

Field ID: 27010010 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2199648	EPA 180.1 Rev. 2.0	Turbidity	14		NTU	P388163	
	EPA 300.0 Rev. 2.1	Bromide	51		mg Br/L	P388434	
	SM 2320 B-2011	Total Alkalinity	112		mg CaCO3/L	P388524	
	SM 2540 D-2011	TSS	29		mg/L	P388619	
	SM 4500 F-C-2011	Fluoride	1.0		mg F/L	P388254	
2199650	EPA 350.1 Rev. 2.0	Ammonia-N	0.074		mg N/L	P388183	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.82		mg N/L	P388543	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.020		mg N/L	P388266	
	EPA 365.1 Rev. 2.0	Total-P	0.076		mg P/L	P388225	
	SM 5310 B-2011	Organic Carbon	8.1		mg C/L	P388445	
2199652	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.037		mg P/L	P388169	

Ref. Method and Comment:
SM 2540 D-2011: 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: P388163

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388434

Component	Result	Code	Units
Bromide	0.013	U	mg Br/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P388183

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P388543

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P388266

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P388225

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P388169

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

Reference Method: SM 2320 B-2011
Batch ID: P388524

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

Reference Method: SM 2540 D-2011
Batch ID: P388619

Component	Result	Code	Units
TSS	3	U	mg/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 4500 F-C-2011
Batch ID: P388254

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P388445

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: P388434

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P388183

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: P388543

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P388266

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: P388225

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P388169

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	99.6		P	90 - 110

Reference Method: SM 2320 B-2011
Batch ID: P388524

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	103		P	93 - 104

Reference Method: SM 4500 F-C-2011
Batch ID: P388254

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	90 - 106

Reference Method: SM 5310 B-2011
Batch ID: P388445

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388434

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199550	Bromide	103	101	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P388183

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199649	Ammonia-N	103	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P388543

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199551	Kjeldahl Nitrogen	102	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P388266

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199551	NO2NO3-N	96.4	95.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P388225

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199449	Total-P	104	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P388169

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199553	O-Phosphate-P	98.4	98.8	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P388254

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2199647	Fluoride	95.9	98.2	P/P	94 - 107

Reference Method: SM 5310 B-2011
Batch ID: P388445

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2200166	Organic Carbon	94.1	97.6	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P388163

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199595	Turbidity	0.976	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388434

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199550	Bromide	1.69	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P388183

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199649	Ammonia-N	1.02	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P388543

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199551	Kjeldahl Nitrogen	0.590	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P388266

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199551	NO2NO3-N	0.490	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P388225

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199449	Total-P	1.00	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P388169

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199553	O-Phosphate-P	0.406	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P388524

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199785	Total Alkalinity	0.698	Sample	P	0 - 8.1

Quality Assurance Report
Precision

Reference Method: SM 4500 F-C-2011
Batch ID: P388254

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2199647	Fluoride	1.46	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
Batch ID: P388445

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2200166	Organic Carbon	3.11	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: A101339
Included Lab Sample IDs: 2199647, 2199648, 2199653

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A101341
Included Lab Sample IDs: 2199651, 2199652, 2199655

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.4	100	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A101344
Included Lab Sample IDs: 2199649, 2199650, 2199654

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	103	101	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Run ID: A101373
Included Lab Sample IDs: 2199647, 2199648, 2199653

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A101378
Included Lab Sample IDs: 2199649, 2199650, 2199654

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

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A101391
Included Lab Sample IDs: 2199647, 2199648, 2199653

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Bromide	103	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A101406
Included Lab Sample IDs: 2199649, 2199650, 2199654

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.5	96.0	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A101446
Included Lab Sample IDs: 2199649, 2199650, 2199654

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.2	97.2	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: SM 2320 B-2011
Run ID: A101469
Included Lab Sample IDs: 2199647, 2199648, 2199653

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A101490
Included Lab Sample IDs: 2199649, 2199650, 2199654

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	101	P/P	90 - 110
Kjeldahl Nitrogen	103	102	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					0.976	
EPA 300.0 Rev. 2.1	Bromide	107	103	101			1.69
EPA 350.1 Rev. 2.0	Ammonia-N	102	103	101			1.02
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	102	102	101			0.590
EPA 353.2 Rev. 2.0	NO2NO3-N	101	96.4	95.9			0.490
EPA 365.1 Rev. 2.0	Total-P	104	104	105			1.00
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.6	98.4	98.8			0.406
SM 2320 B-2011	Total Alkalinity	103				0.698	
SM 4500 F-C-2011	Fluoride	100	95.9	98.2			1.46
SM 5310 B-2011	Organic Carbon	96.7	94.1	97.6			3.11

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2199647, 2199648, 2199653
EPA 300.0 Rev. 2.1	Bromide in aqueous matrices	2199647, 2199648, 2199653
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2199649, 2199650, 2199654
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2199649, 2199650, 2199654
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2199649, 2199650, 2199654
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2199649, 2199650, 2199654
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2199651, 2199652, 2199655
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2199647, 2199648, 2199653
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2199647, 2199648, 2199653
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2199647, 2199648, 2199653
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2199649, 2199650, 2199654

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	10/02/2020			10/02/2020 15:55	Yen Ta	2199647, 2199648, 2199653
EPA 300.0 Rev. 2.1	10/02/2020			10/09/2020 05:41	Lipi Saha	2199647
	10/02/2020			10/09/2020 05:58	Lipi Saha	2199648
	10/02/2020			10/09/2020 06:15	Lipi Saha	2199653
EPA 350.1 Rev. 2.0	10/02/2020			10/04/2020 14:23	Ping Hua	2199649
	10/02/2020			10/04/2020 14:29	Ping Hua	2199650
	10/02/2020			10/04/2020 14:31	Ping Hua	2199654
EPA 351.2 Rev. 2.0	10/02/2020	10/12/2020 13:40	David Boose	10/13/2020 09:08	Elliott Rodriguez	2199649
	10/02/2020	10/12/2020 13:40	David Boose	10/13/2020 09:10	Elliott Rodriguez	2199650
	10/02/2020	10/12/2020 13:40	David Boose	10/13/2020 09:15	Elliott Rodriguez	2199654
EPA 353.2 Rev. 2.0	10/02/2020			10/06/2020 09:45	Beverly Y. Sanders	2199649
	10/02/2020			10/06/2020 09:46	Beverly Y. Sanders	2199650
	10/02/2020			10/06/2020 09:47	Beverly Y. Sanders	2199654
EPA 365.1 Rev. 2.0	10/02/2020	10/05/2020 12:59	Yen Ta	10/07/2020 11:10	Lipi Saha	2199649
	10/02/2020	10/05/2020 12:59	Yen Ta	10/07/2020 11:11	Lipi Saha	2199650, 2199654
EPA 365.1 Rev. 2.0 dissolved	10/02/2020			10/02/2020 16:16	Blanca Fach	2199652
	10/02/2020			10/02/2020 16:17	Blanca Fach	2199655
	10/02/2020			10/02/2020 16:18	Blanca Fach	2199651
SM 2320 B-2011	10/02/2020			10/09/2020 18:02	Lauren Lees	2199648
	10/02/2020			10/09/2020 18:12	Lauren Lees	2199647
	10/02/2020			10/09/2020 18:22	Lauren Lees	2199653
SM 2540 D-2011	10/02/2020			10/06/2020 13:14	Yijie Li	2199647, 2199648, 2199653
SM 4500 F-C-2011	10/02/2020			10/06/2020 05:45	Dale L. Simmons	2199647
	10/02/2020			10/06/2020 05:59	Dale L. Simmons	2199648
	10/02/2020			10/06/2020 06:04	Dale L. Simmons	2199653
SM 5310 B-2011	10/02/2020			10/09/2020 04:56	Madeline Gruver	2199649
	10/02/2020			10/09/2020 05:08	Madeline Gruver	2199650
	10/02/2020			10/09/2020 05:35	Madeline Gruver	2199654