Chemical Analysis Report

NE-DIST-2022-10-25-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Palm Valley Boat 2022**
Request ID: **RQ-2022-09-19-22**
Customer: **NE-DIST**
Project ID: **SMP**

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8800 Baymeadows Way West
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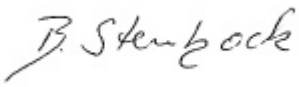
Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 14-NOV-2022 16:08



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: Marshall Creek 0.5 miles above mouth **Collection Date/Time: 10/24/2022 10:00**

Field ID: G5NE0595 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364669	EPA 180.1 Rev. 2.0	Turbidity	5.2		NTU	P421382	
	SM 2320 B-2011	Total Alkalinity	102		mg CaCO3/L	P421661	
	SM 2540 D-2015	TSS	7	I	mg/L	P421852	
	SM 4500-F- C-2011	Fluoride	0.73		mg F/L	P421665	
2364673	EPA 350.1 Rev. 2.0	Ammonia-N	0.020		mg N/L	P421683	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L	P421637	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.026		mg N/L	P421717	
	EPA 365.1 Rev. 2.0	Total-P	0.059		mg P/L	P421497	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P421636	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: CAPO CREEK 300M ABOVE MOUTH **Collection Date/Time: 10/24/2022 10:20**

Field ID: 27010019 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364670	EPA 180.1 Rev. 2.0	Turbidity	5.0		NTU	P421382	
	SM 2320 B-2011	Total Alkalinity	107		mg CaCO3/L	P421661	
	SM 2540 D-2015	TSS	9	I	mg/L	P421852	
	SM 4500-F- C-2011	Fluoride	0.90		mg F/L	P421665	
2364674	EPA 350.1 Rev. 2.0	Ammonia-N	0.017		mg N/L	P421683	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L	P421637	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.022		mg N/L	P421717	
	EPA 365.1 Rev. 2.0	Total-P	0.050		mg P/L	P421497	
	SM 5310 B-2011	Organic Carbon	8.9		mg C/L	P421636	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: DEEP CREEK 270M ABOVE ICW **Collection Date/Time: 10/24/2022 10:50**

Field ID: 27010165 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364671	EPA 180.1 Rev. 2.0	Turbidity	4.8		NTU	P421382	
	SM 2320 B-2011	Total Alkalinity	104		mg CaCO3/L	P421661	
	SM 2540 D-2015	TSS	6	I	mg/L	P421852	
	SM 4500-F- C-2011	Fluoride	0.75		mg F/L	P421665	
2364675	EPA 350.1 Rev. 2.0	Ammonia-N	0.014		mg N/L	P421683	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.55		mg N/L	P421637	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.025		mg N/L	P421717	
	EPA 365.1 Rev. 2.0	Total-P	0.057		mg P/L	P421497	
	SM 5310 B-2011	Organic Carbon	9.5		mg C/L	P421636	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: DEEP CREEK 1ST NE BEND FROM MOUTH **Collection Date/Time: 10/24/2022 11:00**

Field ID: 27010069 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2364672	EPA 180.1 Rev. 2.0	Turbidity	5.2	A	NTU	P421383	
	SM 2320 B-2011	Total Alkalinity	102		mg CaCO3/L	P421661	
	SM 2540 D-2015	TSS	7	I	mg/L	P421852	
	SM 4500-F- C-2011	Fluoride	0.72		mg F/L	P421665	
2364676	EPA 350.1 Rev. 2.0	Ammonia-N	0.014		mg N/L	P421683	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.61		mg N/L	P421637	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.022		mg N/L	P421717	
	EPA 365.1 Rev. 2.0	Total-P	0.061		mg P/L	P421497	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P421636	

Ref. Method and Comment:
SM 2540 D-2015: 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: P421382

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421383

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421683

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421637

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421717

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421497

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

Reference Method: SM 2320 B-2011
Batch ID: P421661

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

Reference Method: SM 2540 D-2015
Batch ID: P421852

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P421665

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 5310 B-2011
Batch ID: P421636

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421382

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421383

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	99.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421683

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	98.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421637

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	96.4		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421717

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421497

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

Reference Method: SM 2320 B-2011
Batch ID: P421661

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	102		P	94 - 106

Reference Method: SM 2540 D-2015
Batch ID: P421852

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	93.6		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P421665

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.8		P	96 - 104

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P421636

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.1		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421683

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364673	Ammonia-N	99.6	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421637

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364841	Kjeldahl Nitrogen	97.0	96.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421717

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364604	NO2NO3-N	102	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421497

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364607	Total-P	97.4	97.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P421665

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2365150	Fluoride	97.5	98.2	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P421636

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363291	Organic Carbon	92.1	93.5	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421382

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364555	Turbidity	3.06	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P421383

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364672	Turbidity	0.387	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P421683

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364673	Ammonia-N	0.572	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P421637

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364841	Kjeldahl Nitrogen	0.939	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P421717

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364604	NO2NO3-N	0.487	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P421497

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364607	Total-P	0.447	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P421661

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2365150	Total Alkalinity	0.794	Sample	P	0 - 3.8

Reference Method: SM 4500-F- C-2011
Batch ID: P421665

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2365150	Fluoride	0.483	Spike	P	0 - 1.6

Quality Assurance Report
Precision

Reference Method: SM 5310 B-2011
Batch ID: P421636

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363291	Organic Carbon	1.33	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: A115505
Included Lab Sample IDs: 2364669, 2364670, 2364671, 2364672

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.0	98.0	P/P	95 - 105
Turbidity	98.5	98.0	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A115603
Included Lab Sample IDs: 2364673, 2364674, 2364675, 2364676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.0	99.8	P/P	90 - 110
Total-P	97.8	97.0	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A115617
Included Lab Sample IDs: 2364673, 2364674, 2364675, 2364676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	101	98.7	P/P	90 - 110
Organic Carbon	103	101	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A115624
Included Lab Sample IDs: 2364669, 2364670, 2364671, 2364672

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.7	98.5	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A115624
Included Lab Sample IDs: 2364669, 2364670, 2364671, 2364672

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A115637
Included Lab Sample IDs: 2364673, 2364674, 2364675, 2364676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.6	99.7	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A115654
Included Lab Sample IDs: 2364673, 2364674, 2364675, 2364676

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

Quality Assurance Report
Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A115750
Included Lab Sample IDs: 2364673, 2364674, 2364675, 2364676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.6	99.1	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	99.2				3.06	
	Turbidity	99.4				0.387	
EPA 350.1 Rev. 2.0	Ammonia-N	98.8	99.6	100			0.572
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	96.4	97.0	96.0			0.939
EPA 353.2 Rev. 2.0	NO2NO3-N	100	102	103			0.487
EPA 365.1 Rev. 2.0	Total-P	104	97.4	97.8			0.447
SM 2320 B-2011	Total Alkalinity	102				0.794	
SM 2540 D-2015	TSS	93.6					
SM 4500-F- C-2011	Fluoride	99.8	97.5	98.2			0.483
SM 5310 B-2011	Organic Carbon	98.1	92.1	93.5			1.33

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2364669, 2364670, 2364671, 2364672
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2364673, 2364674, 2364675, 2364676
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2364673, 2364674, 2364675, 2364676
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2364673, 2364674, 2364675, 2364676
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2364673, 2364674, 2364675, 2364676
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2364669, 2364670, 2364671, 2364672
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2364669, 2364670, 2364671, 2364672
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2364669, 2364670, 2364671, 2364672
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2364673, 2364674, 2364675, 2364676

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	10/25/2022			10/25/2022 15:06	Anna M. Plaviak	2364669
	10/25/2022			10/25/2022 15:07	Anna M. Plaviak	2364670
	10/25/2022			10/25/2022 15:08	Anna M. Plaviak	2364671
	10/25/2022			10/25/2022 15:13	Anna M. Plaviak	2364672
EPA 350.1 Rev. 2.0	10/25/2022			10/31/2022 12:59	Ping Hua	2364673
	10/25/2022			10/31/2022 13:03	Ping Hua	2364674
	10/25/2022			10/31/2022 13:05	Ping Hua	2364675
	10/25/2022			10/31/2022 13:06	Ping Hua	2364676
EPA 351.2 Rev. 2.0	10/25/2022	10/31/2022 14:05	Samantha L Bates	11/04/2022 11:40	Alexandra J Mattheus	2364673
	10/25/2022	10/31/2022 14:05	Samantha L Bates	11/04/2022 11:42	Alexandra J Mattheus	2364674
	10/25/2022	10/31/2022 14:05	Samantha L Bates	11/04/2022 11:43	Alexandra J Mattheus	2364675
	10/25/2022	10/31/2022 14:05	Samantha L Bates	11/04/2022 11:45	Alexandra J Mattheus	2364676
EPA 353.2 Rev. 2.0	10/25/2022			11/01/2022 10:21	Beverly Y. Sanders	2364673
	10/25/2022			11/01/2022 10:22	Beverly Y. Sanders	2364674
	10/25/2022			11/01/2022 10:23	Beverly Y. Sanders	2364675
	10/25/2022			11/01/2022 10:25	Beverly Y. Sanders	2364676
EPA 365.1 Rev. 2.0	10/25/2022	10/26/2022 13:59	Adam P Silver	10/28/2022 13:58	James L Waggerby	2364673
	10/25/2022	10/26/2022 13:59	Adam P Silver	10/28/2022 13:59	James L Waggerby	2364674
	10/25/2022	10/26/2022 13:59	Adam P Silver	10/28/2022 14:00	James L Waggerby	2364675
	10/25/2022	10/26/2022 13:59	Adam P Silver	10/28/2022 14:08	James L Waggerby	2364676
SM 2320 B-2011	10/25/2022			10/28/2022 01:53	Dale L. Simmons	2364669
	10/25/2022			10/28/2022 02:05	Dale L. Simmons	2364670
	10/25/2022			10/28/2022 02:17	Dale L. Simmons	2364671
	10/25/2022			10/28/2022 02:29	Dale L. Simmons	2364672
SM 2540 D-2015	10/25/2022			10/26/2022 15:26	Yijie Li	2364669, 2364670, 2364671, 2364672
SM 4500-F- C-2011	10/25/2022			10/27/2022 23:26	Dale L. Simmons	2364669
	10/25/2022			10/27/2022 23:31	Dale L. Simmons	2364670
	10/25/2022			10/27/2022 23:36	Dale L. Simmons	2364671
	10/25/2022			10/27/2022 23:42	Dale L. Simmons	2364672
SM 5310 B-2011	10/25/2022			10/28/2022 04:04	Khloe J Berg	2364673
	10/25/2022			10/28/2022 05:19	Khloe J Berg	2364674
	10/25/2022			10/28/2022 05:34	Khloe J Berg	2364675
	10/25/2022			10/28/2022 05:52	Khloe J Berg	2364676