Chemical Analysis Report

NE-DIST-2024-04-25-01

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

Event Description: **Alachua Creeks**
Request ID: **RQ-2024-04-22-07**
Customer: **NE-DIST**
Project ID: **SMP**

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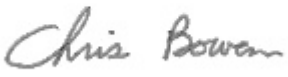
Date Certified: 23-MAY-2024 09:15



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: ALACHUA SINK AT END OF BOARDWALK **Collection Date/Time: 04/24/2024 11:40**

Field ID: G1NE0953 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2484810	DEP SOP: NU-094-1	Color (true)	120		PCU	P444799	
	EPA 180.1 Rev. 2.0	Turbidity	5.8		NTU	P444823	
	EPA 300.0 Rev. 2.1	Chloride	14	A	mg Cl/L	P445269	
		Sulfate	8.6	A	mg SO4/L	P445273	
	SM 2320 B-2011	Total Alkalinity	37		mg CaCO3/L	P444981	
	SM 2540 C-2015	TDS	110		mg/L	P445463	
	SM 2540 D-2015	TSS	9	I	mg/L	P445492	
	SM 4500-F- C-2011	Fluoride	0.12		mg F/L	P445379	
2484812	EPA 350.1 Rev. 2.0	Ammonia-N	0.021		mg N/L	P445065	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.4		mg N/L	P444920	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P445453	
	EPA 365.1 Rev. 2.0	Total-P	0.26		mg P/L	P444931	
	SM 5310 B-2014	Organic Carbon	20		mg C/L	P444940	

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: UPPER LITTLE HATCHET AT AIRPORT FIELD **Collection Date/Time: 04/24/2024 13:20**

Field ID: G1NE0949 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2484811	DEP SOP: NU-094-1	Color (true)	77	A	PCU	P444799	
	EPA 180.1 Rev. 2.0	Turbidity	2.8		NTU	P444823	
	EPA 300.0 Rev. 2.1	Chloride	11		mg Cl/L	P445269	
		Sulfate	10		mg SO4/L	P445273	
	SM 2320 B-2011	Total Alkalinity	61	A	mg CaCO3/L	P444981	
	SM 2540 C-2015	TDS	136	A	mg/L	P445463	
	SM 2540 D-2015	TSS	3	I A	mg/L	P445492	
	SM 4500-F- C-2011	Fluoride	0.086	I	mg F/L	P445379	
2484813	EPA 350.1 Rev. 2.0	Ammonia-N	0.013		mg N/L	P445065	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.49		mg N/L	P444920	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.13		mg N/L	P445453	
	EPA 365.1 Rev. 2.0	Total-P	0.027		mg P/L	P444931	
	SM 5310 B-2014	Organic Carbon	14		mg C/L	P444940	

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: DEP SOP: NU-094-1
Batch ID: P444799

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444823

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445269

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445273

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445065

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444920

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445453

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444931

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

Reference Method: SM 2320 B-2011
Batch ID: P444981

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P445463

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P445492

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P445379

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P444940

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P444799

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	96.8		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444823

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445269

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445273

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445065

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444920

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445453

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: P444931

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

Reference Method: SM 2320 B-2011
Batch ID: P444981

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	92 - 105

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P445463

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	93.6		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P445492

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	102		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P445379

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.9		P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P444940

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	99.9		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445269

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484810	Chloride	99.4		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445273

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484810	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445065

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484812	Ammonia-N	97.0	98.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444920

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484813	Kjeldahl Nitrogen	95.2	94.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445453

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484812	NO2NO3-N	98.0	96.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444931

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484801	Total-P	100	99.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P445379

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484460	Fluoride	104	104	P/P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P444940

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2484753	Organic Carbon	99.8	99.2	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P444799

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484811	Color (true)	1.30	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444823

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484770	Turbidity	2.44	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445269

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484810	Chloride	1.63	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445273

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484810	Sulfate	1.27	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445065

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484812	Ammonia-N	1.14	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444920

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484813	Kjeldahl Nitrogen	0.209	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445453

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484812	NO2NO3-N	1.54	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444931

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484801	Total-P	0.468	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: SM 2320 B-2011
Batch ID: P444981

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484811	Total Alkalinity	1.43	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P445463

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484811	TDS	7.35	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P445379

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484460	Fluoride	0.0	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P444940

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2484753	Organic Carbon	0.509	Spike	P	0 - 15

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

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A125526
Included Lab Sample IDs: 2484810, 2484811

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.2	99.9	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125532
Included Lab Sample IDs: 2484810, 2484811

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

Reference Method: SM 5310 B-2014
Run ID: A125577
Included Lab Sample IDs: 2484812, 2484813

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	111	98.7	P/P	70 - 130

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125584
Included Lab Sample IDs: 2484812

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

Reference Method: SM 2320 B-2011
Run ID: A125588
Included Lab Sample IDs: 2484810, 2484811

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.6	99.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125590
Included Lab Sample IDs: 2484813

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125620
Included Lab Sample IDs: 2484812, 2484813

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

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A125640
Included Lab Sample IDs: 2484810, 2484811

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	98.8	102	P/P	90 - 110
Sulfate	100	104	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125674
Included Lab Sample IDs: 2484812, 2484813

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.4	101	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A125734
Included Lab Sample IDs: 2484810, 2484811

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125759
Included Lab Sample IDs: 2484812, 2484813

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	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
DEP SOP: NU-094-1	Color (true)	96.8				1.30	
EPA 180.1 Rev. 2.0	Turbidity	102				2.44	
EPA 300.0 Rev. 2.1	Chloride	101	99.4			1.63	
	Sulfate	104	101			1.27	
EPA 350.1 Rev. 2.0	Ammonia-N	95.6	97.0	98.6			1.14
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	97.0	95.2	94.9			0.209
EPA 353.2 Rev. 2.0	NO2NO3-N	100	98.0	96.5			1.54
EPA 365.1 Rev. 2.0	Total-P	99.0	100	99.8			0.468
SM 2320 B-2011	Total Alkalinity	100				1.43	
SM 2540 C-2015	TDS	93.6				7.35	
SM 2540 D-2015	TSS	102					
SM 4500-F- C-2011	Fluoride	98.9	104	104			0.0
SM 5310 B-2014	Organic Carbon	99.9	99.8	99.2			0.509

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2484810, 2484811
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2484810, 2484811
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2484810, 2484811
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2484810, 2484811
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2484812, 2484813
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2484812, 2484813
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2484812, 2484813
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2484812, 2484813
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2484810, 2484811
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2484810, 2484811
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2484810, 2484811
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2484810, 2484811
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2484812, 2484813

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	04/25/2024			04/25/2024 12:13	Jessica K Wilks	2484810
	04/25/2024			04/25/2024 12:14	Jessica K Wilks	2484811
EPA 180.1 Rev. 2.0	04/25/2024			04/25/2024 13:41	Khloe J Berg	2484810
	04/25/2024			04/25/2024 13:42	Khloe J Berg	2484811
EPA 300.0 Rev. 2.1	04/25/2024			05/01/2024 19:37	Samantha L Bates	2484810
	04/25/2024			05/01/2024 21:08	Samantha L Bates	2484811
EPA 350.1 Rev. 2.0	04/25/2024			05/01/2024 12:46	Khloe J Berg	2484812
	04/25/2024			05/01/2024 12:50	Khloe J Berg	2484813
EPA 351.2 Rev. 2.0	04/25/2024	04/30/2024 10:41	Robyn Blevins	05/03/2024 13:12	Robyn Blevins	2484812
	04/25/2024	04/30/2024 10:41	Robyn Blevins	05/03/2024 13:14	Robyn Blevins	2484813
EPA 353.2 Rev. 2.0	04/25/2024			05/08/2024 12:46	Fadila Guebre	2484812
	04/25/2024			05/08/2024 12:52	Fadila Guebre	2484813
EPA 365.1 Rev. 2.0	04/25/2024	04/29/2024 14:43	Josephine W Gitau	04/30/2024 10:16	Elise M. Gillis	2484812
	04/25/2024	04/29/2024 14:43	Josephine W Gitau	04/30/2024 13:45	Elise M. Gillis	2484813
SM 2320 B-2011	04/25/2024			04/30/2024 04:37	Adam P Silver	2484811
	04/25/2024			04/30/2024 05:08	Adam P Silver	2484810
SM 2540 C-2015	04/25/2024			04/30/2024 15:24	Yijie Li	2484810, 2484811
SM 2540 D-2015	04/25/2024			04/30/2024 15:24	Yijie Li	2484810, 2484811
SM 4500-F- C-2011	04/25/2024			05/08/2024 01:21	Dale L. Simmons	2484810
	04/25/2024			05/08/2024 01:41	Dale L. Simmons	2484811
SM 5310 B-2014	04/25/2024			04/29/2024 16:00	Khloe J Berg	2484812
	04/25/2024			04/29/2024 16:14	Khloe J Berg	2484813