

Chemical Analysis Report

SO-DIST-2022-12-22-02

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

Event Description: **2022 SMP: Istokpoga Canal HA**
Request ID: **RQ-2022-10-03-62**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
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FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
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Date Certified: 17-JAN-2023 12:46



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: Istokpoga Canal

Collection Date/Time: 12/21/2022 12:45

Field ID: G4SD0181

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2377373	DEP SOP: NU-094-1	Color (true)	160		PCU	P423915	
	EPA 180.1 Rev. 2.0	Turbidity	2.3		NTU	P423921	
	EPA 300.0 Rev. 2.1	Chloride	19		mg Cl/L	P424207	
		Sulfate	6.6		mg SO4/L	P424210	
	SM 2320 B-2011	Total Alkalinity	25		mg CaCO3/L	P424084	
	SM 2540 C-2015	TDS	97		mg/L	P424228	
	SM 2540 D-2015	TSS	2	I	mg/L	P424118	
	SM 4500-F- C-2011	Fluoride	0.067	I	mg F/L	P424515	
2377374	EPA 350.1 Rev. 2.0	Ammonia-N	0.053		mg N/L	P424344	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.98		mg N/L	P424063	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.15		mg N/L	P424287	
	EPA 365.1 Rev. 2.0	Total-P	0.053		mg P/L	P424178	
	SM 5310 B-2011	Organic Carbon	18		mg C/L	P424182	
2377375	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.026		mg P/L	P423910	

Ref. Method and Comment:

SM 2540 D-2015: Batch relative percent difference is unavailable because of analytical difficulties.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P423915

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423921

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424207

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424210

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424344

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P424063

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P424287

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424178

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P423910

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P424084

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2540 C-2015
Batch ID: P424228

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P424118

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P424515

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P424182

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: P423915

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.7		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423921

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424207

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	97.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424210

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.2		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424344

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P424063

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P424287

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	104		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424178

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: P423910

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P424084

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.7		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P424228

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	95.4		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P424118

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	92.3		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P424515

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.9		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P424182

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.6		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424207

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377368	Chloride	96.2		P	90 - 110
2377545	Chloride	97.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424210

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377368	Sulfate	100		P	90 - 110
2377545	Sulfate	99.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424344

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377259	Ammonia-N	99.4	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P424063

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377458	Kjeldahl Nitrogen	96.2	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P424287

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377332	NO2NO3-N	102	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424178

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377176	Total-P	103	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P423910

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377206	O-Phosphate-P	97.7	98.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P424515

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377253	Fluoride	95.1	97.3	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P424182

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2377374	Organic Carbon	97.4	96.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P423915

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377379	Color (true)	2.86	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P423921

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377200	Turbidity	1.42	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424207

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377368	Chloride	0.0634	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424210

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377368	Sulfate	0.487	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424344

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377259	Ammonia-N	1.34	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P424063

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377458	Kjeldahl Nitrogen	5.18	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P424287

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377332	NO2NO3-N	0.881	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424178

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377176	Total-P	1.12	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P423910

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377206	O-Phosphate-P	0.817	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P424084

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377152	Total Alkalinity	0.466	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P424228

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377180	TDS	8.42	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P424515

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377253	Fluoride	1.42	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P424182

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2377374	Organic Carbon	0.325	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: A116639

Included Lab Sample IDs: 2377375

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.7	97.6	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A116641

Included Lab Sample IDs: 2377373

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.4	96.6	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A116644

Included Lab Sample IDs: 2377373

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

Reference Method: SM 2320 B-2011

Run ID: A116713

Included Lab Sample IDs: 2377373

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.9	95.2	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A116716

Included Lab Sample IDs: 2377373

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	100	99.4	P/P	90 - 110
Sulfate	101	100	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A116757

Included Lab Sample IDs: 2377374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	99.1	98.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A116781

Included Lab Sample IDs: 2377374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	103	99.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A116803

Included Lab Sample IDs: 2377374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	104	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A116808

Included Lab Sample IDs: 2377374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.2	99.5	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A116825

Included Lab Sample IDs: 2377374

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	100	97.7	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A116886

Included Lab Sample IDs: 2377373

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	98.6	100	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	
DEP SOP: NU-094-1	Color (true)	98.7				2.86	
EPA 180.1 Rev. 2.0	Turbidity	101				1.42	
EPA 300.0 Rev. 2.1	Chloride	97.3	96.2	97.8		0.0634	
	Sulfate	98.2	100	99.1		0.487	
EPA 350.1 Rev. 2.0	Ammonia-N	95.8	99.4	101			1.34
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	96.2	105			5.18
EPA 353.2 Rev. 2.0	NO2NO3-N	104	102	103			0.881
EPA 365.1 Rev. 2.0	Total-P	104	103	104			1.12
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	100	97.7	98.8			0.817
SM 2320 B-2011	Total Alkalinity	96.7				0.466	
SM 2540 C-2015	TDS	95.4				8.42	
SM 2540 D-2015	TSS	92.3					
SM 4500-F- C-2011	Fluoride	98.9	95.1	97.3			1.42
SM 5310 B-2011	Organic Carbon	96.6	97.4	96.8			0.325

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2377373
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2377373
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2377373
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2377373
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2377374
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2377374
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2377374
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2377374
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2377375
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2377373
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2377373
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2377373
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2377373
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2377374

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	12/22/2022			12/22/2022 16:00	Alexis Price	2377373
EPA 180.1 Rev. 2.0	12/22/2022			12/22/2022 14:04	Khloe J Berg	2377373
EPA 300.0 Rev. 2.1	12/22/2022			01/06/2023 04:39	Anna M. Plaviak	2377373
EPA 350.1 Rev. 2.0	12/22/2022			01/10/2023 10:13	Ping Hua	2377374
EPA 351.2 Rev. 2.0	12/22/2022	01/04/2023 10:00	Simonne.V. Calhoun	01/06/2023 15:18	Samantha L Bates	2377374
EPA 353.2 Rev. 2.0	12/22/2022			01/09/2023 10:58	Beverly Y. Sanders	2377374
EPA 365.1 Rev. 2.0	12/22/2022	01/06/2023 13:35	Adam P Silver	01/09/2023 13:35	James L Waggerby	2377374
EPA 365.1 Rev. 2.0 dissolved	12/22/2022			12/22/2022 14:05	Elise M. Gillis	2377375
SM 2320 B-2011	12/22/2022			01/03/2023 19:56	Adam P Silver	2377373
SM 2540 C-2015	12/22/2022			12/22/2022 16:12	Yijie Li	2377373
SM 2540 D-2015	12/22/2022			12/22/2022 16:12	Yijie Li	2377373
SM 4500-F- C-2011	12/22/2022			01/12/2023 17:47	Dale L. Simmons	2377373
SM 5310 B-2011	12/22/2022			01/05/2023 14:24	Khloe J Berg	2377374