Chemical Analysis Report

NE-DIST-2020-09-22-02

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

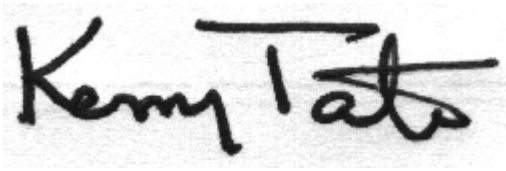
Event Description: **Interlachen**
Request ID: **RQ-2020-09-14-29**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
Attn: Jeremy Parrish

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 06-OCT-2020 09:53



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: Hardesty Lake Center **Collection Date/Time: 09/21/2020 11:45**

Field ID: G1NE0869 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2197322	EPA 180.1 Rev. 2.0	Turbidity	6.3		NTU	P387700	
	EPA 300.0 Rev. 2.1	Chloride	8.2		mg Cl/L	P388029	
		Sulfate	0.92		mg SO4/L	P388031	
	SM 2120 B-2011	Color (true)	190		PCU	P387705	
	SM 2320 B-2011	Total Alkalinity	3.5		mg CaCO3/L	P387796	
	SM 2540 C-2011	TDS	44		mg/L	P388010	RPD
	SM 2540 D-2011	TSS	4	I	mg/L	P387961	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P387798	
2197323	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P387884	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.56	J	mg N/L	P387773	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P387743	
	EPA 365.1 Rev. 2.0	Total-P	0.052		mg P/L	P387919	MS
	SM 5310 B-2011	Organic Carbon	14		mg C/L	P387837	
2197324	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.013		mg P/L	P387713	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 351.2 Rev. 2.0: Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report
Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P387700

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388029

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388031

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P387884

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P387773

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P387743

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P387919

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P387713

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

Reference Method: SM 2120 B-2011
Batch ID: P387705

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Quality Assurance Report
Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P387796

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

Reference Method: SM 2540 C-2011
Batch ID: P388010

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P387961

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P387798

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P387837

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: P388029

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388031

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P387884

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	92.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P387773

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P387743

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: P387919

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	108		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P387713

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

Reference Method: SM 2120 B-2011
Batch ID: P387705

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	95.3		P	85 - 115

Reference Method: SM 2320 B-2011
Batch ID: P387796

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.6		P	93 - 104

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-2011
Batch ID: P387798

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.3		P	90 - 106

Reference Method: SM 5310 B-2011
Batch ID: P387837

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.8		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388029

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2196930	Chloride	103		P	90 - 110
2197208	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388031

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2196930	Sulfate	98.1		P	90 - 110
2197208	Sulfate	97.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P387884

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197330	Ammonia-N	100	97.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P387773

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197323	Kjeldahl Nitrogen	110	109	F/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P387743

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197329	NO2NO3-N	99.5	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P387919

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197217	Total-P	110	111	P/F	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P387713

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197332	O-Phosphate-P	98.4	99.2	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P387798

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197275	Fluoride	99.8	98.6	P/P	94 - 107

Reference Method: SM 5310 B-2011
Batch ID: P387837

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2197335	Organic Carbon	99.4	97.9	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P387700

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197247	Turbidity	1.94	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388029

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2196930	Chloride	0.734	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P388031

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2196930	Sulfate	0.446	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P387884

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197330	Ammonia-N	1.43	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P387773

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197323	Kjeldahl Nitrogen	0.595	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P387743

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197329	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P387919

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197217	Total-P	1.44	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P387713

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197332	O-Phosphate-P	0.810	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: SM 2120 B-2011
Batch ID: P387705

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197275	Color (true)	0.0772	Sample	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P387796

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197275	Total Alkalinity	3.16	Sample	P	0 - 8.1

Reference Method: SM 2540 C-2011
Batch ID: P388010

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197328	TDS	10.7	Sample	F	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P387798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197275	Fluoride	0.983	Spike	P	0 - 2.8

Reference Method: SM 5310 B-2011
Batch ID: P387837

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2197335	Organic Carbon	0.897	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: A101139
Included Lab Sample IDs: 2197322

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

Reference Method: SM 2120 B-2011
Run ID: A101140
Included Lab Sample IDs: 2197322

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.2	98.1	P/P	90 - 115

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A101150
Included Lab Sample IDs: 2197324

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.8	99.3	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A101159
Included Lab Sample IDs: 2197323

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	99.5	100	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A101178
Included Lab Sample IDs: 2197322

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.6	98.4	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Run ID: A101178
Included Lab Sample IDs: 2197322

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

Reference Method: SM 5310 B-2011
Run ID: A101194
Included Lab Sample IDs: 2197323

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	99.9	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A101208
Included Lab Sample IDs: 2197323

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	94.1	95.4	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A101210
Included Lab Sample IDs: 2197323

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	102	100	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A101281
Included Lab Sample IDs: 2197322

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	101	P/P	90 - 110
Sulfate	99.5	99.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A101284
Included Lab Sample IDs: 2197323

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	105	104	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					1.94	
EPA 300.0 Rev. 2.1	Chloride	102	103	100		0.734	
	Sulfate	99.2	98.1	97.8		0.446	
EPA 350.1 Rev. 2.0	Ammonia-N	92.6	100	97.2			1.43
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	107	110	109			0.595
EPA 353.2 Rev. 2.0	NO2NO3-N	100	99.5	99.5			0.0
EPA 365.1 Rev. 2.0	Total-P	108	110	111			1.44
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	101	98.4	99.2			0.810
SM 2120 B-2011	Color (true)	95.3				0.0772	
SM 2320 B-2011	Total Alkalinity	99.6				3.16	
SM 2540 C-2011	TDS					10.7	
SM 4500 F-C-2011	Fluoride	99.3	99.8	98.6			0.983
SM 5310 B-2011	Organic Carbon	97.8	99.4	97.9			0.897

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2197322
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2197322
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2197322
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2197323
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2197323
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2197323
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2197323
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2197324
SM 2120 B-2011	True Color measured at 450 nm (not valid for NPDES monitoring)	2197322
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2197322
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2197322
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2197322
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2197322
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2197323

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	09/22/2020			09/22/2020 16:38	Yen Ta	2197322
EPA 300.0 Rev. 2.1	09/22/2020			09/29/2020 21:24	Elliott Rodriguez	2197322
EPA 350.1 Rev. 2.0	09/22/2020			09/26/2020 12:36	Ping Hua	2197323
EPA 351.2 Rev. 2.0	09/22/2020	09/23/2020 17:26	David Boose	09/25/2020 15:07	Elliott Rodriguez	2197323
EPA 353.2 Rev. 2.0	09/22/2020			09/23/2020 11:07	Beverly Y. Sanders	2197323
EPA 365.1 Rev. 2.0	09/22/2020	09/28/2020 12:44	Yen Ta	09/29/2020 14:57	Benjamin T. Nordmann	2197323
EPA 365.1 Rev. 2.0 dissolved	09/22/2020			09/22/2020 16:19	Virginia P. Brown	2197324
SM 2120 B-2011	09/22/2020			09/22/2020 16:27	Benjamin T. Nordmann	2197322
SM 2320 B-2011	09/22/2020			09/23/2020 17:57	Dale L. Simmons	2197322
SM 2540 C-2011	09/22/2020			09/23/2020 14:41	Yijie Li	2197322
SM 2540 D-2011	09/22/2020			09/23/2020 14:41	Yijie Li	2197322
SM 4500 F-C-2011	09/22/2020			09/23/2020 17:57	Dale L. Simmons	2197322
SM 5310 B-2011	09/22/2020			09/25/2020 02:30	Madeline Gruver	2197323