

Chemical Analysis Report

WQAP-2018-06-27-06

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

Event Description: **2017 SMP Kit Template 1**

Request ID: **RQ-2018-06-18-15**

Customer: **WQAP**

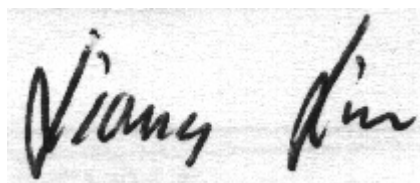
Project ID: **SMP**

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Certified by: Liang Lin, Environmental Administrator

Date Certified: 18-JUL-2018 14:07

A handwritten signature in black ink, appearing to read "Liang Lin", is shown on a light-colored background.

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 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: Buck Creek CM

Collection Date/Time: 06/26/2018 10:20

Field ID: G2SD0035

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2003522	EPA 180.1 Rev. 2.0	Turbidity	4.4		NTU	P347625	
	SM 2320 B-97	Total Alkalinity	135		mg CaCO3/L	P347809	
	SM 2540 D-97	TSS	8	I	mg/L	P347907	
	SM 4500 F-C-97	Fluoride	1.2		mg F/L	P348058	
2003524	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P347765	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.66		mg N/L	P348071	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P347926	
	EPA 365.1 Rev. 2.0	Total-P	0.061	J	mg P/L	P347860	MS
	SM 5310 B-00	Organic Carbon	6.0		mg C/L	P348329	
2003526	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P347619	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 365.1 Rev. 2.0: Total-P: Refer to the narrative for an explanation of QC Codes.

Sample Location: Oyster Creek CM

Collection Date/Time: 06/26/2018 11:10

Field ID: G2SD0036

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2003523	EPA 180.1 Rev. 2.0	Turbidity	2.9	A	NTU	P347626	
	SM 2320 B-97	Total Alkalinity	119		mg CaCO3/L	P347809	
	SM 2540 D-97	TSS	8	IA	mg/L	P347907	
	SM 4500 F-C-97	Fluoride	0.82		mg F/L	P348058	
2003525	EPA 350.1 Rev. 2.0	Ammonia-N	0.020		mg N/L	P347765	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.70		mg N/L	P348071	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P347927	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P347860	MS
	SM 5310 B-00	Organic Carbon	8.8		mg C/L	P348375	
2003527	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.054		mg P/L	P347619	

Ref. Method and Comment:

SM 2540 D-97: 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: P347625

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P347626

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P347765

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P348071

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347926

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347927

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P347860

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P347619

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

Reference Method: SM 2320 B-97
Batch ID: P347809

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

Quality Assurance Report Method Blank Results

Reference Method: SM 2540 D-97
Batch ID: P347907

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P348058

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P348329

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

Reference Method: SM 5310 B-00
Batch ID: P348375

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P347765

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P348071

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: P347926

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347927

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P347860

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	90.6		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P347619

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	97.5		P	90 - 110

Reference Method: SM 2320 B-97
Batch ID: P347809

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	103		P	98 - 107

Reference Method: SM 4500 F-C-97
Batch ID: P348058

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.2		P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P348329

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-00
Batch ID: P348375

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	99.0		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P347765

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2002310	Ammonia-N	102	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P348071

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2003415	Kjeldahl Nitrogen	102	98.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347926

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2002941	NO2NO3-N	96.7	96.7	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347927

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2003525	NO2NO3-N	99.5	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P347860

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2003524	Total-P	84.4	87.4	F/F	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P347619

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2003526	O-Phosphate-P	97.0	98.0	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P348058

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2003727	Fluoride	94.8	94.1	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P348329

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2002566	Organic Carbon	97.6	98.6	P/P	85 - 115

Reference Method: SM 5310 B-00
Batch ID: P348375

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2003418	Organic Carbon	92.3	96.3	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P347625

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003448	Turbidity	2.86	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P347626

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003523	Turbidity	8.90	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P347765

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2002310	Ammonia-N	1.14	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P348071

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003415	Kjeldahl Nitrogen	2.57	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347926

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2002941	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P347927

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003525	NO2NO3-N	0.966	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P347860

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003524	Total-P	3.18	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P347619

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003526	O-Phosphate-P	1.03	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-97
Batch ID: P347809

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003358	Total Alkalinity	0.250	Sample	P	0 - 1.6

Reference Method: SM 4500 F-C-97
Batch ID: P348058

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003727	Fluoride	0.473	Spike	P	0 - 3.5

Reference Method: SM 5310 B-00
Batch ID: P348329

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2002566	Organic Carbon	0.754	Spike	P	0 - 20

Reference Method: SM 5310 B-00
Batch ID: P348375

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2003418	Organic Carbon	3.47	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A84876

Included Lab Sample IDs: 2003526, 2003527

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	101	98.7	P/P	90 - 110
O-Phosphate-P	98.7	97.4	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A84882

Included Lab Sample IDs: 2003522, 2003523

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.5	99.0	P/P	95 - 105
Turbidity	99.0	98.0	P/P	95 - 105

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A84937

Included Lab Sample IDs: 2003524, 2003525

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	102	103	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A84959

Included Lab Sample IDs: 2003522, 2003523

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A85008

Included Lab Sample IDs: 2003524, 2003525

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A85030

Included Lab Sample IDs: 2003524, 2003525

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.5	98.8	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A85074

Included Lab Sample IDs: 2003522, 2003523

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	98.1	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A85111

Included Lab Sample IDs: 2003524, 2003525

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	99.7	P/P	90 - 110

Reference Method: SM 5310 B-00

Run ID: A85182

Included Lab Sample IDs: 2003524

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

Reference Method: SM 5310 B-00

Run ID: A85195

Included Lab Sample IDs: 2003525

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.6	94.4	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	
EPA 180.1 Rev. 2.0	Turbidity					2.86	
	Turbidity					8.90	
EPA 350.1 Rev. 2.0	Ammonia-N	99.0	102	101			1.14
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	102	98.4			2.57
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	101	96.7	96.7			0.0
	NO ₂ NO ₃ -N	102	99.5	100			0.966
EPA 365.1 Rev. 2.0	Total-P	90.6	84.4	87.4			3.18
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.5	97.0	98.0			1.03
SM 2320 B-97	Total Alkalinity	103				0.250	
SM 4500 F-C-97	Fluoride	98.2	94.8	94.1			0.473
SM 5310 B-00	Organic Carbon	99.2	97.6	98.6			0.754
	Organic Carbon	99.0	92.3	96.3			3.47

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	2003522, 2003523
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	2003524, 2003525
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	2003524, 2003525
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	2003524, 2003525
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	2003524, 2003525
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2003526, 2003527
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2003522, 2003523
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2003522, 2003523
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2003522, 2003523
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	2003524, 2003525

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	06/27/2018			06/27/2018 17:02	William L. Brown IV	2003522, 2003523
EPA 350.1 Rev. 2.0	06/27/2018			06/29/2018 13:45	Julia Storbeck	2003524
	06/27/2018			06/29/2018 13:47	Julia Storbeck	2003525
EPA 351.2 Rev. 2.0	06/27/2018	07/09/2018 12:47	Tanya Welborn	07/10/2018 11:10	Joseph Suarez	2003524
	06/27/2018	07/09/2018 12:47	Tanya Welborn	07/10/2018 11:12	Joseph Suarez	2003525
EPA 353.2 Rev. 2.0	06/27/2018			07/03/2018 14:02	Lauren Bottorf	2003524
	06/27/2018			07/03/2018 14:09	Lauren Bottorf	2003525
EPA 365.1 Rev. 2.0	06/27/2018	07/03/2018 10:50	Sima Feizi	07/05/2018 12:31	Beverly Y. Sanders	2003524
	06/27/2018	07/03/2018 10:50	Sima Feizi	07/05/2018 12:32	Beverly Y. Sanders	2003525
EPA 365.1 Rev. 2.0 dissolved	06/27/2018			06/27/2018 14:53	Megan Treadwell	2003526
	06/27/2018			06/27/2018 15:08	Megan Treadwell	2003527
SM 2320 B-97	06/27/2018			07/01/2018 06:44	Dale L. Simmons	2003522
	06/27/2018			07/01/2018 06:55	Dale L. Simmons	2003523
SM 2540 D-97	06/27/2018			06/28/2018 15:21	Yijie Li	2003522, 2003523
SM 4500 F-C-97	06/27/2018			07/03/2018 15:10	Dale L. Simmons	2003522
	06/27/2018			07/03/2018 15:14	Dale L. Simmons	2003523
SM 5310 B-00	06/27/2018			07/12/2018 05:57	Megan Treadwell	2003524
	06/27/2018			07/12/2018 12:03	Megan Treadwell	2003525