

Chemical Analysis Report

TLH-ROC-2018-03-27-06

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

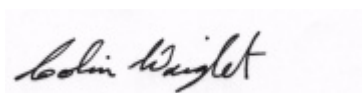
Event Description: **kit A w/ bacteria**
Request ID: **RQ-2018-01-29-48**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
Attn: Michael Eckles

For additional information please contact
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Certified by: Colin Wright, Program Administrator

Date Certified: 12-APR-2018 13:29

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light pink rectangular 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: MEARSON SPRING

Collection Date/Time: 03/27/2018 12:45

Field ID: G1TLHR0025

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1978292	EPA 180.1 Rev. 2.0	Turbidity	0.45		NTU	P342359	
	EPA 300.0 Rev. 2.1	Chloride	6.9		mg Cl/L	P342508	
		Sulfate	18		mg SO4/L	P342512	MS
	SM 2120 B	Color (true)	2.5	U	PCU	P342353	
	SM 2320 B-97	Total Alkalinity	174	A	mg CaCO3/L	P342982	
	SM 2540 C-97	TDS	220	A	mg/L	P342659	
	SM 2540 D-97	TSS	2	IA	mg/L	P343096	
	SM 4500 F-C-97	Fluoride	0.12		mg F/L	P342986	
1978293	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P342769	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.11	I	mg N/L	P342389	
	EPA 353.2 Rev. 2.0	NO2NO3-N	3.2		mg N/L	P342654	
	EPA 365.1 Rev. 2.0	Total-P	0.023		mg P/L	P342502	
	SM 5310 B-00	Organic Carbon	0.50	U	mg C/L	P342876	
1978294	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.022		mg P/L	P342343	

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: P342359

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P342508

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P342512

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P342769

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

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P342389

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P342654

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P342502

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P342343

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

Reference Method: SM 2120 B
Batch ID: P342353

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97
Batch ID: P342982

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

Reference Method: SM 2540 C-97
Batch ID: P342659

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P343096

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P342986

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P342876

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: P342508

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	98.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P342512

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	98.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P342769

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	94.1		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P342389

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	95.5		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P342654

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: P342502

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P342343

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.3		P	90 - 110

Reference Method: SM 2320 B-97
 Batch ID: P342982

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	98 - 107

Reference Method: SM 4500 F-C-97
 Batch ID: P342986

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.5		P	91 - 105

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-00
 Batch ID: P342876

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.5		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P342508

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978002	Chloride	100	98.2	P/P	90 - 110
1978208	Chloride	97.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P342512

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978002	Sulfate	101	99.9	P/P	90 - 110
1978208	Sulfate	88.7		F	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P342769

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978215	Ammonia-N	96.8	93.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P342389

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978102	Kjeldahl Nitrogen	95.5	93.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P342654

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978213	NO2NO3-N	106	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
 Batch ID: P342502

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978293	Total-P	102	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
 Batch ID: P342343

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978294	O-Phosphate-P	97.5	98.6	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 4500 F-C-97
 Batch ID: P342986

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978292	Fluoride	95.8	95.2	P/P	91 - 105

Reference Method: SM 5310 B-00
 Batch ID: P342876

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1978005	Organic Carbon	97.2	95.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
 Batch ID: P342359

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978662	Turbidity	6.15	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P342508

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978002	Chloride	1.79	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
 Batch ID: P342512

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978002	Sulfate	1.24	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
 Batch ID: P342769

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978215	Ammonia-N	2.39	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
 Batch ID: P342389

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978102	Kjeldahl Nitrogen	1.29	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
 Batch ID: P342654

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
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Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P342654

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978213	NO2NO3-N	1.27	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P342502

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978293	Total-P	0.744	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P342343

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978294	O-Phosphate-P	0.919	Spike	P	0 - 20

Reference Method: SM 2120 B
Batch ID: P342353

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978310	Color (true)	0.561	Sample	P	0 - 20

Reference Method: SM 2320 B-97
Batch ID: P342982

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978292	Total Alkalinity	0.365	Sample	P	0 - 1.6

Reference Method: SM 2540 C-97
Batch ID: P342659

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978292	TDS	4.10	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
Batch ID: P342986

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978292	Fluoride	0.479	Spike	P	0 - 3.5

Reference Method: SM 5310 B-00
Batch ID: P342876

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1978005	Organic Carbon	1.41	Spike	P	0 - 20

Quality Assurance Report Precision

* 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 300.0 Rev. 2.1

Run ID: A82892

Included Lab Sample IDs: 1978292

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	98.9	100	P/P	90 - 110
Sulfate	99.5	99.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A82908

Included Lab Sample IDs: 1978294

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

Reference Method: SM 2120 B

Run ID: A82910

Included Lab Sample IDs: 1978292

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	97.9	100	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A82911

Included Lab Sample IDs: 1978292

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A82979

Included Lab Sample IDs: 1978293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	98.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A83000

Included Lab Sample IDs: 1978293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.2	98.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A83012

Included Lab Sample IDs: 1978293

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A83041

Included Lab Sample IDs: 1978293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.5	98.1	P/P	90 - 110

Reference Method: SM 5310 B-00

Run ID: A83069

Included Lab Sample IDs: 1978293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.8	95.6	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A83098

Included Lab Sample IDs: 1978292

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	97.4	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A83098

Included Lab Sample IDs: 1978292

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	98.1	98.6	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 SMP	MS
			LCS				
EPA 180.1 Rev. 2.0	Turbidity					6.15	
EPA 300.0 Rev. 2.1	Chloride	98.7	100	98.2	97.2		1.79
	Sulfate	98.9	101	99.9	88.7		1.24
EPA 350.1 Rev. 2.0	Ammonia-N	94.1	96.8	93.9			2.39
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	95.5	95.5	93.4			1.29
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	102	106	104			1.27
EPA 365.1 Rev. 2.0	Total-P	102	102	101			0.744
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.3	97.5	98.6			0.919
SM 2120 B	Color (true)					0.561	
SM 2320 B-97	Total Alkalinity	100				0.365	
SM 2540 C-97	TDS					4.10	
SM 4500 F-C-97	Fluoride	97.5	95.8	95.2			0.479
SM 5310 B-00	Organic Carbon	97.5	97.2	95.8			1.41

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
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Reference Method Descriptions

Method / DoH Cert #	Description	<u>Associated Samples</u>
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1978292
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	1978292
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	1978292
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1978293
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1978293
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1978293
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1978293
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	1978294
SM 2120 B / E31780	True Color measured at 450 nm	1978292
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	1978292
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	1978292
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1978292
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1978292
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1978293

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	03/27/2018			03/28/2018 15:43	DeAsia Armster	1978292
EPA 300.0 Rev. 2.1	03/27/2018			03/30/2018 05:12	Lipi Saha	1978292
EPA 350.1 Rev. 2.0	03/27/2018			04/04/2018 13:42	Ping Hua	1978293
EPA 351.2 Rev. 2.0	03/27/2018	03/29/2018 11:18	Adrian Shelby	04/02/2018 10:24	Joseph Suarez	1978293
EPA 353.2 Rev. 2.0	03/27/2018			04/03/2018 14:29	Lauren Bottorf	1978293
EPA 365.1 Rev. 2.0	03/27/2018	03/30/2018 13:51	Sima Feizi	04/02/2018 14:02	Beverly Y. Sanders	1978293
EPA 365.1 Rev. 2.0 dissolved	03/27/2018			03/28/2018 12:01	Megan Treadwell	1978294
SM 2120 B	03/27/2018			03/28/2018 15:19	Tanya Welborn	1978292
SM 2320 B-97	03/27/2018			04/05/2018 19:08	Dale L. Simmons	1978292
SM 2540 C-97	03/27/2018			03/30/2018 16:30	Yijie Li	1978292
SM 2540 D-97	03/27/2018			03/30/2018 16:30	Yijie Li	1978292
SM 4500 F-C-97	03/27/2018			04/05/2018 19:00	Dale L. Simmons	1978292
SM 5310 B-00	03/27/2018			04/05/2018 08:37	Julia Storbeck	1978293