

Chemical Analysis Report

SO-DIST-2016-11-08-02

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

Event Description: **WBID 2056A**
Request ID: **RQ-2016-09-26-02**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
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Certified by: Thekkekalathil Chandrasekhar, Chemist Administrator Date Certified: 30-NOV-2016 13:52



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 groups are included in this report: Metals and 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: Charlotte Harbor

Collection Date/Time: 11/07/2016 06:54

Field ID: CHV006

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1848206	EPA 180.1 Rev. 2.0	Turbidity	2.0	A	NTU	P314869	
	SM 2120 B	Color (true)	25		PCU	P314832	
	SM 2320 B-97	Total Alkalinity	105		mg CaCO3/L	P315211	
	SM 2540 D-97	TSS	4	I	mg/L	P315498	
	SM 4500 F-C-97	Fluoride	0.96		mg F/L	P315214	
1848207	EPA 350.1 Rev. 2.0	Ammonia-N	0.012		mg N/L	P315028	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.63		mg N/L	P315511	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P315095	
	EPA 365.1 Rev. 2.0	Total-P	0.16		mg P/L	P315258	
	SM 5310 B-00	Organic Carbon	7.2		mg C/L	P314974	
1848208	EPA 200.7 Rev. 4.4	Iron	110	I	ug/L	P314828	
	EPA 200.8 Rev. 5.4	Arsenic	1.57		ug/L	P314828	
		Cadmium	0.060	U	ug/L	P314828	
		Chromium	0.28	I	ug/L	P314828	
		Copper	0.54	I	ug/L	P314828	
		Lead	0.15	U	ug/L	P314828	
		Nickel	0.35	I	ug/L	P314828	
		Silver	0.015	U	ug/L	P314828	
		Zinc	3.1	I	ug/L	P314828	

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: P314869

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P314828

Component	Result	Code	Units
Iron	30	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P314828

Component	Result	Code	Units
Arsenic	0.050	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.050	U	ug/L
Copper	0.10	U	ug/L
Lead	0.050	U	ug/L
Nickel	0.050	U	ug/L
Silver	0.0050	U	ug/L
Zinc	1.0	U	ug/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P315028

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P315511

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P315095

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P315258

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

Reference Method: SM 2120 B
Batch ID: P314832

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97
Batch ID: P315211

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

Reference Method: SM 2540 D-97
Batch ID: P315498

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P315214

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P314974

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P314828

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Iron	105		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P314828

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Arsenic	103		P	85 - 115
Cadmium	101		P	85 - 115
Chromium	99.4		P	85 - 115
Copper	96.9		P	85 - 115
Lead	98.2		P	85 - 115
Nickel	102		P	85 - 115
Silver	97.4		P	85 - 115
Zinc	102		P	85 - 115

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P315028

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	105		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P315511

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.3		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P315095

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: P315258

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

Reference Method: SM 2320 B-97
Batch ID: P315211

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	95 - 108

Reference Method: SM 4500 F-C-97
Batch ID: P315214

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.2		P	92 - 103

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-00
Batch ID: P314974

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	101		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P314828

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1847576	Iron	109	106	P/P	70 - 130

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P314828

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1847576	Arsenic	108	108	P/P	70 - 130
1847576	Cadmium	102	103	P/P	70 - 130
1847576	Chromium	92.5	92.1	P/P	70 - 130
1847576	Copper	91.4	93.3	P/P	70 - 130
1847576	Lead	104	104	P/P	70 - 130
1847576	Nickel	97.3	97.5	P/P	70 - 130
1847576	Silver	92.8	94.5	P/P	70 - 130
1847576	Zinc	98.5	101	P/P	70 - 130

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P315028

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1846846	Ammonia-N	103	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P315511

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1848291	Kjeldahl Nitrogen	96.9	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P315095

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1847980	NO2NO3-N	104	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P315258

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1847888	Total-P	96.1	96.7	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SM 4500 F-C-97
Batch ID: P315214

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1848673	Fluoride	97.8	100	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P314974

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1848207	Organic Carbon	90.0	93.3	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P314869

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1848206	Turbidity	1.02	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P314828

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1847576	Iron	3.08	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P314828

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1847576	Arsenic	0.581	Spike	P	0 - 20
1847576	Cadmium	0.587	Spike	P	0 - 20
1847576	Chromium	0.422	Spike	P	0 - 20
1847576	Copper	1.93	Spike	P	0 - 20
1847576	Lead	0.240	Spike	P	0 - 20
1847576	Nickel	0.205	Spike	P	0 - 20
1847576	Silver	1.80	Spike	P	0 - 20
1847576	Zinc	2.28	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P315028

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1846846	Ammonia-N	1.45	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P315511

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P315511

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1848291	Kjeldahl Nitrogen	2.92	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P315095

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1847980	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P315258

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1847888	Total-P	0.416	Spike	P	0 - 20

Reference Method: SM 2120 B
Batch ID: P314832

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1847970	Color (true)	3.63	Sample	P	0 - 20

Reference Method: SM 2320 B-97
Batch ID: P315211

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1848673	Total Alkalinity	0.499	Sample	P	0 - 4.8

Reference Method: SM 4500 F-C-97
Batch ID: P315214

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1848673	Fluoride	1.52	Spike	P	0 - 3.0

Reference Method: SM 5310 B-00
Batch ID: P314974

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1848207	Organic Carbon	2.96	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

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B
Run ID: A72702
Included Lab Sample IDs: 1848206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	103	101	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A72721
Included Lab Sample IDs: 1848206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	102	P/P	95 - 105

Reference Method: SM 5310 B-00
Run ID: A72755
Included Lab Sample IDs: 1848207

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	94.6	95.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A72765
Included Lab Sample IDs: 1848207

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.8	99.6	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A72778
Included Lab Sample IDs: 1848208

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Arsenic	101	102	P/P	90 - 110
Cadmium	98.2	98.6	P/P	90 - 110
Chromium	95.1	95.1	P/P	90 - 110
Lead	94.5	96.2	P/P	90 - 110
Nickel	100	101	P/P	90 - 110
Silver	95.1	95.3	P/P	90 - 110
Zinc	102	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A72782
Included Lab Sample IDs: 1848207

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

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A72785
Included Lab Sample IDs: 1848208

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Copper	94.7	96.0	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A72793

Included Lab Sample IDs: 1848208

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Iron	103	104	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A72821

Included Lab Sample IDs: 1848206

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

Reference Method: SM 4500 F-C-97

Run ID: A72821

Included Lab Sample IDs: 1848206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.0	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A72883

Included Lab Sample IDs: 1848207

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A72959

Included Lab Sample IDs: 1848207

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	106	99.7	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 SMP	MS
EPA 180.1 Rev. 2.0	Turbidity				1.02	
EPA 200.7 Rev. 4.4	Iron	105	109 106			3.08
EPA 200.8 Rev. 5.4	Arsenic	103	108 108			0.581
	Cadmium	101	102 103			0.587
	Chromium	99.4	92.5 92.1			0.422
	Copper	96.9	91.4 93.3			1.93
	Lead	98.2	104 104			0.240
	Nickel	102	97.3 97.5			0.205
	Silver	97.4	92.8 94.5			1.80
	Zinc	102	98.5 101			2.28
EPA 350.1 Rev. 2.0	Ammonia-N	105	103 105			1.45

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	LCS	Precision SMP	MS
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.3	96.9 101			2.92
EPA 353.2 Rev. 2.0	NO2NO3-N	104	104 104			0.0
EPA 365.1 Rev. 2.0	Total-P	101	96.1 96.7			0.416
SM 2120 B	Color (true)				3.63	
SM 2320 B-97	Total Alkalinity	100			0.499	
SM 4500 F-C-97	Fluoride	98.2	97.8 100			1.52
SM 5310 B-00	Organic Carbon	101	90.0 93.3			2.96

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1848206
EPA 200.7 Rev. 4.4 / E31780	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	1848208
EPA 200.8 Rev. 5.4 / E31780	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	1848208
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1848207
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1848207
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1848207
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1848207
SM 2120 B / E31780	True Color measured at 450 nm	1848206
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	1848206
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1848206
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1848206
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1848207

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	11/08/2016			11/08/2016 16:50	Blanca Fach	1848206
EPA 200.7 Rev. 4.4	11/08/2016	11/08/2016	Elliott D. Healy	11/14/2016	Joshua Ayres	1848208
EPA 200.8 Rev. 5.4	11/08/2016	11/08/2016	Elliott D. Healy	11/11/2016	Charles J. Peterson	1848208
EPA 350.1 Rev. 2.0	11/08/2016			11/10/2016	Julie Michelle Frank	1848207
EPA 351.2 Rev. 2.0	11/08/2016	11/21/2016	Martin Acosta	11/22/2016	Joseph Suarez	1848207
EPA 353.2 Rev. 2.0	11/08/2016			11/14/2016	Beverly Y. Sanders	1848207
EPA 365.1 Rev. 2.0	11/08/2016	11/16/2016	Adrian Shelby	11/18/2016	Lipi Saha	1848207
SM 2120 B	11/08/2016			11/08/2016 17:15	Julie Michelle Frank	1848206
SM 2320 B-97	11/08/2016			11/15/2016	Dale L. Simmons	1848206
SM 2540 D-97	11/08/2016			11/11/2016	Yijie Li	1848206
SM 4500 F-C-97	11/08/2016			11/15/2016	Dale L. Simmons	1848206
SM 5310 B-00	11/08/2016			11/10/2016	Julie Michelle Frank	1848207