Chemical Analysis Report

CEN-DIST-2016-09-30-01

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

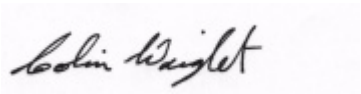
Event Description: **Rose Bay D/Reed Canal B**
Request ID: **RQ-2016-09-12-63**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767
Attn: Mike Linger

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Thekkekalathil Chandrasekhar, PhD, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Environmental Administrator

Date Certified: 28-OCT-2016 13:21



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: ROSE BAY @ US 1 **Collection Date/Time: 09/29/2016 11:33**

Field ID: G5CE0038 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1836758	EPA 180.1 Rev. 2.0	Turbidity	3.8		NTU	P312238	
	SM 2320 B-97	Total Alkalinity	128		mg CaCO3/L	P312577	
	SM 2540 D-97	TSS	4	I	mg/L	P312758	
	SM 4500 F-C-97	Fluoride	1.0		mg F/L	P312583	
1836759	EPA 350.1 Rev. 2.0	Ammonia-N	0.065		mg N/L	P312900	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.59		mg N/L	P312864	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.018		mg N/L	P312703	
	EPA 365.1 Rev. 2.0	Total-P	0.080		mg P/L	P313112	
	SM 5310 B-00	Organic Carbon	5.9		mg C/L	P312581	
1836760	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.053		mg P/L	P312245	

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

Sample Location: HOLLY HILL @ DAYTONA RD. **Collection Date/Time: 09/29/2016 10:58**

Field ID: G5CE0025 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1836761	EPA 180.1 Rev. 2.0	Turbidity	2.4	A	NTU	P312239	
	SM 2320 B-97	Total Alkalinity	167		mg CaCO3/L	P312577	
	SM 2540 D-97	TSS	4	I	mg/L	P312758	
	SM 4500 F-C-97	Fluoride	0.21		mg F/L	P312749	
1836762	EPA 350.1 Rev. 2.0	Ammonia-N	0.23		mg N/L	P312900	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.81		mg N/L	P312864	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.10		mg N/L	P312703	
	EPA 365.1 Rev. 2.0	Total-P	0.16		mg P/L	P313112	
	SM 5310 B-00	Organic Carbon	9.3		mg C/L	P312581	
1836763	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.14		mg P/L	P312245	

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: P312238

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P312239

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Quality Assurance Report
Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P312900

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P312864

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P312703

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P313112

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P312245

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

Reference Method: SM 2320 B-97
Batch ID: P312577

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

Reference Method: SM 2540 D-97
Batch ID: P312758

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P312583

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 4500 F-C-97
Batch ID: P312749

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 5310 B-00
Batch ID: P312581

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: P312900

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P312864

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	95.2		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P312703

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: P313112

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P312245

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

Reference Method: SM 2320 B-97
Batch ID: P312577

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	104		P	95 - 108

Reference Method: SM 4500 F-C-97
Batch ID: P312583

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.7		P	92 - 103

Reference Method: SM 4500 F-C-97
Batch ID: P312749

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-97
Batch ID: P312749

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.0		P	92 - 103

Reference Method: SM 5310 B-00
Batch ID: P312581

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 350.1 Rev. 2.0
Batch ID: P312900

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1835656	Ammonia-N	95.3	98.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P312864

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1836228	Kjeldahl Nitrogen	102	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P312703

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1836226	NO2NO3-N	104	106	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P313112

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1836229	Total-P	94.0	98.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P312245

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1836760	O-Phosphate-P	96.0	97.6	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P312583

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1836792	Fluoride	99.9	99.2	P/P	91 - 105

Reference Method: SM 4500 F-C-97
Batch ID: P312749

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 4500 F-C-97
Batch ID: P312749

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1837629	Fluoride	99.7	99.7	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P312581

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1836224	Organic Carbon	94.8	94.9	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P312238

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836731	Turbidity	0.627	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P312239

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836761	Turbidity	4.15	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P312900

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1835656	Ammonia-N	2.23	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P312864

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836228	Kjeldahl Nitrogen	1.27	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P312703

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836226	NO2NO3-N	1.91	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P313112

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits

Quality Assurance Report
Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P313112

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836229	Total-P	4.40	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P312245

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836760	O-Phosphate-P	1.07	Spike	P	0 - 20

Reference Method: SM 2320 B-97
Batch ID: P312577

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836792	Total Alkalinity	0.427	Sample	P	0 - 4.8

Reference Method: SM 4500 F-C-97
Batch ID: P312583

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836792	Fluoride	0.509	Spike	P	0 - 3.0

Reference Method: SM 4500 F-C-97
Batch ID: P312749

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1837629	Fluoride	0.0	Spike	P	0 - 3.0

Reference Method: SM 5310 B-00
Batch ID: P312581

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1836224	Organic Carbon	0.0949	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 180.1 Rev. 2.0
Run ID: A71953
Included Lab Sample IDs: 1836758, 1836761

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.0	99.0	P/P	95 - 105
Turbidity	99.0	99.5	P/P	95 - 105

Quality Assurance Report
Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A71954
Included Lab Sample IDs: 1836760, 1836763

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.1	97.6	P/P	90 - 110
O-Phosphate-P	98.1	98.1	P/P	90 - 110

Reference Method: SM 2320 B-97
Run ID: A72046
Included Lab Sample IDs: 1836758, 1836761

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	100	103	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Run ID: A72046
Included Lab Sample IDs: 1836758

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

Reference Method: SM 5310 B-00
Run ID: A72048
Included Lab Sample IDs: 1836759, 1836762

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	102	99.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A72083
Included Lab Sample IDs: 1836759, 1836762

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	102	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Run ID: A72099
Included Lab Sample IDs: 1836761

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A72156
Included Lab Sample IDs: 1836759, 1836762

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.1	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A72217
Included Lab Sample IDs: 1836759, 1836762

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	103	96.3	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A72217
Included Lab Sample IDs: 1836759, 1836762

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	96.3	99.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A72232
Included Lab Sample IDs: 1836762

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A72233
Included Lab Sample IDs: 1836759

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	99.8	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					0.627	
	Turbidity					4.15	
EPA 350.1 Rev. 2.0	Ammonia-N	101	95.3	98.5			2.23
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	95.2	102	101			1.27
EPA 353.2 Rev. 2.0	NO2NO3-N	104	104	106			1.91
EPA 365.1 Rev. 2.0	Total-P	96.7	94.0	98.4			4.40
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.9	96.0	97.6			1.07
SM 2320 B-97	Total Alkalinity	104				0.427	
SM 4500 F-C-97	Fluoride	98.7	99.9	99.2			0.509
	Fluoride	99.0	99.7	99.7			0.0
SM 5310 B-00	Organic Carbon	97.8	94.8	94.9			0.0949

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1836758, 1836761
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1836759, 1836762
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1836759, 1836762
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1836759, 1836762
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1836759, 1836762

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	1836760, 1836763
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	1836758, 1836761
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1836758, 1836761
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1836758, 1836761
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1836759, 1836762

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	09/30/2016			09/30/2016 15:11	Sima Feizi	1836758, 1836761
EPA 350.1 Rev. 2.0	09/30/2016			10/07/2016	Sofia Elnemr	1836759, 1836762
EPA 351.2 Rev. 2.0	09/30/2016	10/11/2016	Adrian Shelby	10/13/2016	Joseph Suarez	1836759, 1836762
EPA 353.2 Rev. 2.0	09/30/2016			10/07/2016	Beverly Y. Sanders	1836759, 1836762
EPA 365.1 Rev. 2.0	09/30/2016	10/13/2016	Vijayalakshmi Reddy	10/14/2016	Lipi Saha	1836759, 1836762
EPA 365.1 Rev. 2.0 dissolved	09/30/2016			09/30/2016 16:00	Julia Storbeck	1836760
	09/30/2016			09/30/2016 16:12	Julia Storbeck	1836763
SM 2320 B-97	09/30/2016			10/05/2016	Dale L. Simmons	1836758, 1836761
SM 2540 D-97	09/30/2016			10/03/2016	Yijie Li	1836758, 1836761
SM 4500 F-C-97	09/30/2016			10/05/2016	Dale L. Simmons	1836758
	09/30/2016			10/08/2016	Dale L. Simmons	1836761
SM 5310 B-00	09/30/2016			10/06/2016	Julie Michelle Frank	1836759, 1836762