

Chemical Analysis Report

SW-DIST-2016-12-15-01

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

Event Description: **Spring Bayou**
Request ID: **RQ-2016-12-12-40**
Customer: **SW-DIST**
Project ID: **SMP**

Send Reports to:
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13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
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Certified by: Thekkekalathil Chandrasekhar, Chemist Administrator Date Certified: 06-JAN-2017 13:36



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: Kreamer Bayou

Collection Date/Time: 12/14/2016 11:25

Field ID: G5SW0079

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1858204	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P316881	
	SM 2320 B-97	Total Alkalinity	136	A	mg CaCO3/L	P317269	
	SM 2540 D-97	TSS	6	I	mg/L	P317154	
	SM 4500 F-C-97	Fluoride	0.91		mg F/L	P317274	
1858207	EPA 350.1 Rev. 2.0	Ammonia-N	0.018		mg N/L	P317455	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.55		mg N/L	P317105	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P317351	
	EPA 365.1 Rev. 2.0	Total-P	0.035		mg P/L	P317247	
	SM 5310 B-00	Organic Carbon	5.4		mg C/L	P317021	
1858210	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.008	I	mg P/L	P316870	

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: Spring Bayou

Collection Date/Time: 12/14/2016 11:45

Field ID: G5SW0078

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1858205	EPA 180.1 Rev. 2.0	Turbidity	1.5		NTU	P316881	
	SM 2320 B-97	Total Alkalinity	134		mg CaCO3/L	P317269	
	SM 2540 D-97	TSS	5	I	mg/L	P317154	
	SM 4500 F-C-97	Fluoride	0.87		mg F/L	P317274	
1858208	EPA 350.1 Rev. 2.0	Ammonia-N	0.030		mg N/L	P317455	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.55		mg N/L	P317106	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.016		mg N/L	P317351	
	EPA 365.1 Rev. 2.0	Total-P	0.032		mg P/L	P317247	
	SM 5310 B-00	Organic Carbon	5.1		mg C/L	P317021	
1858211	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.010		mg P/L	P316870	

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: Anclote R. Comp

Collection Date/Time: 12/14/2016 11:55

Field ID: G5SW0125

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1858206	EPA 180.1 Rev. 2.0	Turbidity	1.6		NTU	P316881	
	SM 2320 B-97	Total Alkalinity	135		mg CaCO3/L	P317269	
	SM 2540 D-97	TSS	7	I	mg/L	P317154	
	SM 4500 F-C-97	Fluoride	0.86		mg F/L	P317274	
1858209	EPA 350.1 Rev. 2.0	Ammonia-N	0.021		mg N/L	P317455	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.51		mg N/L	P317106	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.020		mg N/L	P317351	
	EPA 365.1 Rev. 2.0	Total-P	0.035		mg P/L	P317247	
	SM 5310 B-00	Organic Carbon	5.2		mg C/L	P317021	
1858212	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.008	I	mg P/L	P316870	

Field ID: G5SW0125

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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: P316881

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P317455

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317105

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317106

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P317351

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P317247

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P316870

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

Reference Method: SM 2320 B-97
Batch ID: P317269

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: P317154

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P317274

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P317021

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: P317455

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317105

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317106

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: P317351

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P317247

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	96.8		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P316870

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P316870

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

Reference Method: SM 2320 B-97
Batch ID: P317269

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	101		P	95 - 108

Reference Method: SM 4500 F-C-97
Batch ID: P317274

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

Reference Method: SM 5310 B-00
Batch ID: P317021

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P317455

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858207	Ammonia-N	104	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317105

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858207	Kjeldahl Nitrogen	104	97.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317106

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858209	Kjeldahl Nitrogen	104	96.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P317351

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858207	NO2NO3-N	108	109	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P317247

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P317247

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858207	Total-P	91.7	96.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P316870

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858086	O-Phosphate-P	96.3	97.9	P/P	90 - 110

Reference Method: SM 4500 F-C-97
Batch ID: P317274

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1857359	Fluoride	98.8	98.8	P/P	91 - 105

Reference Method: SM 5310 B-00
Batch ID: P317021

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1858207	Organic Carbon	94.6	94.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P316881

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858312	Turbidity	1.63	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P317455

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858207	Ammonia-N	1.28	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317105

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858207	Kjeldahl Nitrogen	5.23	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P317106

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858209	Kjeldahl Nitrogen	6.74	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P317351

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858207	NO2NO3-N	0.460	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P317247

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858207	Total-P	5.21	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P316870

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858086	O-Phosphate-P	1.51	Spike	P	0 - 20

Reference Method: SM 2320 B-97

Batch ID: P317269

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858204	Total Alkalinity	0.109	Sample	P	0 - 4.8

Reference Method: SM 4500 F-C-97

Batch ID: P317274

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1857359	Fluoride	0.0	Spike	P	0 - 3.0

Reference Method: SM 5310 B-00

Batch ID: P317021

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1858207	Organic Carbon	0.185	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: A73406

Included Lab Sample IDs: 1858210, 1858211, 1858212

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	97.0	96.8	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A73408

Included Lab Sample IDs: 1858204, 1858205, 1858206

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

Reference Method: SM 5310 B-00

Run ID: A73466

Included Lab Sample IDs: 1858207, 1858208, 1858209

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	96.8	97.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A73541

Included Lab Sample IDs: 1858207

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	107	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A73545

Included Lab Sample IDs: 1858208, 1858209

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

Reference Method: SM 2320 B-97

Run ID: A73550

Included Lab Sample IDs: 1858204, 1858205, 1858206

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	98.3	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A73550

Included Lab Sample IDs: 1858204, 1858205, 1858206

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A73574

Included Lab Sample IDs: 1858207, 1858208, 1858209

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	102	103	P/P	90 - 110
NO2NO3-N	103	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A73595

Included Lab Sample IDs: 1858207, 1858208, 1858209

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A73595

Included Lab Sample IDs: 1858207, 1858208, 1858209

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.5	98.8	P/P	90 - 110
Total-P	99.2	98.5	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A73601

Included Lab Sample IDs: 1858207, 1858208, 1858209

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.9	99.4	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 SMP	MS
EPA 180.1 Rev. 2.0	Turbidity				1.63	
EPA 350.1 Rev. 2.0	Ammonia-N	102	104 105			1.28
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	102	104 97.6			5.23
	Kjeldahl Nitrogen	95.5	104 96.0			6.74
EPA 353.2 Rev. 2.0	NO2NO3-N	106	108 109			0.460
EPA 365.1 Rev. 2.0	Total-P	96.8	91.7 96.8			5.21
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	100	96.3 97.9			1.51
SM 2320 B-97	Total Alkalinity	101			0.109	
SM 4500 F-C-97	Fluoride	98.7	98.8 98.8			0.0
SM 5310 B-00	Organic Carbon	96.3	94.6 94.8			0.185

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1858204, 1858205, 1858206
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1858207, 1858208, 1858209
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1858207, 1858208, 1858209
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1858207, 1858208, 1858209
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1858207, 1858208, 1858209
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	1858210, 1858211, 1858212
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO3/L	1858204, 1858205, 1858206
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices	1858204, 1858205, 1858206
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	1858204, 1858205, 1858206
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1858207, 1858208, 1858209

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	12/15/2016			12/15/2016 15:19	Julie Michelle Frank	1858204, 1858205, 1858206
EPA 350.1 Rev. 2.0	12/15/2016			12/27/2016	Julie Michelle Frank	1858207, 1858208, 1858209
EPA 351.2 Rev. 2.0	12/15/2016	12/21/2016	Adrian Shelby	12/22/2016	Joseph Suarez	1858207, 1858208, 1858209
EPA 353.2 Rev. 2.0	12/15/2016			12/22/2016	Beverly Y. Sanders	1858207, 1858208, 1858209
EPA 365.1 Rev. 2.0	12/15/2016	12/22/2016	Vijayalakshmi Reddy	12/27/2016	Lipi Saha	1858207, 1858208, 1858209
EPA 365.1 Rev. 2.0 dissolved	12/15/2016			12/15/2016 14:59	Julia Storbeck	1858210, 1858211
	12/15/2016			12/15/2016 15:00	Julia Storbeck	1858212
SM 2320 B-97	12/15/2016			12/22/2016	Dale L. Simmons	1858204, 1858205, 1858206
SM 2540 D-97	12/15/2016			12/19/2016	Sima Feizi	1858204, 1858205, 1858206
SM 4500 F-C-97	12/15/2016			12/22/2016	Dale L. Simmons	1858204, 1858205, 1858206
SM 5310 B-00	12/15/2016			12/19/2016	Julie Michelle Frank	1858207, 1858208, 1858209