

Chemical Analysis Report

WTRSHD-MGT-2012-05-03-04

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

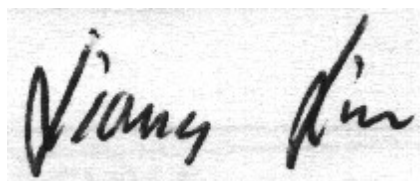
Event Description: **TMDL Spg Sampling - Madison Blue Spg Algal Study**
Request ID: **RQ-2012-04-30-40**
Customer: **WTRSHD-MGT**
Project ID: **TMDL**

Send Reports to:
FL Dept. of Environmental Protection
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Certified by: Liang Lin, Environmental Administrator

Date Certified: 21-MAY-2012 17:38

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

Abbreviations and data remark codes

CERT # - NELAP (National Environmental Laboratory Accreditation Program) Certification Number of the laboratory that performed the analysis.

LCS – Laboratory Control Sample; in the QC Failures column, this notation indicates a batch recovery failure.

MS – Matrix Spike; in the QC Failures column, this notation indicates a batch recovery failure.

RPD – Relative Percent Difference; in the QC Failures column, this notation indicates a batch failure for precision.

CCV – Continuing Calibration Verification; in the QC Failures column, this notation indicates a failure of the calibration verification check sample.

RSD – Relative Standard Deviation expressed as a percentage.

SMP – Sample.

** - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

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

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).

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.

Precision is reported as relative percent difference unless otherwise noted.

Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published test performance acceptance criteria.

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.

All sample collection performed by Bureau of Laboratories staff followed the field Standard Operating Procedures adopted by reference in Rule 62-160 FAC unless otherwise noted.

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.

Results for NELAP accredited tests contained in this report meet the requirements specified by the National Environmental Laboratory Accreditation Conference (NELAC). All samples received were in acceptable condition and met NELAC requirements unless otherwise noted. Results generated in this report pertain to the samples collected and submitted for analysis.

Job: TLH-2012-05-03-101

Group: Nutrients

Job: TLH-2012-05-03-102

Group: Metals

Job: TLH-2012-05-03-103

Group: Pesticides

Sample Location: MADISON BLUE SPRING**Collection Date/Time: 05/03/2012 11:29 AM****Field ID: MADISON BLUE SPRING****Matrix: W-SURF-FRH**

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1426777	EPA 180.1 Rev. 2.0	Turbidity	0.65		NTU	P239358	
	EPA 300.0 Rev. 2.1	Chloride	5.7		mg Cl/L	P239783	
		Sulfate	18		mg SO4/L	P239784	
	SM 2120 B	Color (true)	2.5	U	PCU	P239352	
	SM 2320 B-97	Alkalinity	126		mg CaCO3/L	P239618	
	SM 2540 C-97	TDS	172	A	mg/L	P239749	
1426778	EPA 350.1 Rev. 2.0	Ammonia-N	0.012	I	mg N/L	P239479	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P239611	
	EPA 353.2 Rev. 2.0	NO2NO3-N	1.2		mg N/L	P239486	
	EPA 365.1 Rev. 2.0	Total-P	0.048		mg P/L	P239500	
	SM 5310 B-00	Organic Carbon	1.0	U	mg C/L	P239698	
1426779	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.043		mg P/L	P239363	
1426780	EPA 200.7 Rev. 4.4	Boron	15	U	ug/L	P239903	
		Potassium	0.63	I	mg/L	P239903	
1426781	DEP SOP: LC-001-2 (based on EPA 8321B)	Sucralose**	0.017	I	ug/L	P239490	

Ref. Method and Comment:

DEP SOP: LC-001-2 (based on EPA 8321B): Sucralose result confirmed in re-extraction.

Quality Assurance Report

Method Blank Results

Reference Method: DEP SOP: LC-001-2 (based on EPA 8321B)**Batch ID: P239490**

Component	Result	Code	Units
Sucralose	0.010	U	ug/L

Reference Method: EPA 180.1 Rev. 2.0**Batch ID: P239358**

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4**Batch ID: P239903**

Component	Result	Code	Units
Boron	15	U	ug/L
Potassium	0.30	U	mg/L

Reference Method: EPA 300.0 Rev. 2.1**Batch ID: P239783**

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1**Batch ID: P239784**

Component	Result	Code	Units
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Quality Assurance Report

Method Blank Results

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239784

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P239479

Component	Result	Code	Units
Ammonia-N	0.010	U	mg N/L

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P239611

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

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P239486

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

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P239500

Component	Result	Code	Units
Total-P	0.004	U	mg P/L

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P239363

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

Reference Method: SM 2120 B

Batch ID: P239352

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97

Batch ID: P239618

Component	Result	Code	Units
Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2540 C-97

Batch ID: P239749

Component	Result	Code	Units
TDS	15	U	mg/L

Quality Assurance Report Method Blank Results

Reference Method: SM 5310 B-00

Batch ID: P239698

Component	Result	Code	Units
Organic Carbon	1.0	U	mg C/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-2 (based on EPA 8321B)

Batch ID: P239490

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sucralose	60.0	55.2	P/P	40 - 130

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P239903

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Boron	102		P	85 - 115
Potassium	107		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239783

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

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239784

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	97.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P239479

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

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P239611

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	90.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P239486

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P239500

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P239363

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

Reference Method: SM 2320 B-97

Batch ID: P239618

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Alkalinity	98.9		P	85 - 115

Reference Method: SM 5310 B-00

Batch ID: P239698

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	93.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-2 (based on EPA 8321B)

Batch ID: P239490

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426792	Sucralose	45.6	43.2	P/P	40 - 130

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P239903

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426780	Boron	108	109	P/P	80 - 120
1426780	Potassium	107	110	P/P	80 - 120
1428671	Boron	110		P	80 - 120
1428671	Potassium	116		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239783

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426819	Chloride	100	99.9	P/P	90 - 110
1426867	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239784

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426819	Sulfate	96.0	96.5	P/P	90 - 110
1426867	Sulfate	96.3		P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P239479

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426824	Ammonia-N	101	104	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P239611

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426611	Kjeldahl Nitrogen	99.4	97.7	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P239486

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426773	NO2NO3-N	98.0	98.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P239500

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426787	Total-P	102	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P239363

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426644	O-Phosphate-P	95.4	96.0	P/P	90 - 110

Reference Method: SM 5310 B-00

Batch ID: P239698

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1426826	Organic Carbon	87.1	103	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-2 (based on EPA 8321B)

Batch ID: P239490

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426792	Sucralose	3.73	Spike	P	0 - 30
LFB	Sucralose	8.33	LCS	P	0 - 30

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P239358

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426698	Turbidity	1.88	Sample	P	0 - 20

Quality Assurance Report

Precision

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P239903

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426780	Boron	1.12	Spike	P	0 - 20
1426780	Potassium	1.72	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239783

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426819	Chloride	0.0761	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P239784

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426819	Sulfate	0.424	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P239479

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426824	Ammonia-N	3.17	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P239611

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426611	Kjeldahl Nitrogen	1.01	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P239486

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426773	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P239500

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426787	Total-P	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P239363

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426644	O-Phosphate-P	0.433	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2120 B

Batch ID: P239352

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426772	Color (true)	2.20	Sample	P	0 - 20

Reference Method: SM 2320 B-97

Batch ID: P239618

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1427862	Alkalinity	2.10	Sample	P	0 - 20
1427863	Alkalinity	12.8	Sample	P	0 - 20

Reference Method: SM 2540 C-97

Batch ID: P239749

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426777	TDS	2.90	Sample	P	0 - 10

Reference Method: SM 5310 B-00

Batch ID: P239698

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1426826	Organic Carbon	9.56	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 Surrogates

Lab Sample ID: 1426781

Field Sample ID: MADISON BLUE SPRING

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-2 (based on EPA 8321B)	Sucralose-d6	60.4	P	40 - 150

Quality Assurance Report Calibration Verification

Reference Method: SM 2120 B

Run ID: A44918

Included Lab Sample IDs: 1426777

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	92.1	91.7	P/P	85 - 115

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A44919

Included Lab Sample IDs: 1426777

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	100	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A44920

Included Lab Sample IDs: 1426779

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	95.3	94.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A44962

Included Lab Sample IDs: 1426778

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A44965

Included Lab Sample IDs: 1426778

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	99.0	100	P/P	90 - 110

Reference Method: DEP SOP: LC-001-2 (based on EPA 8321B)

Run ID: A44969

Included Lab Sample IDs: 1426781

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	110	119	P/P	70 - 140

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A44972

Included Lab Sample IDs: 1426778

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.2	99.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A45023

Included Lab Sample IDs: 1426778

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	107	P/P	90 - 110

Reference Method: SM 2320 B-97

Run ID: A45026

Included Lab Sample IDs: 1426777

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Alkalinity	99.0	97.6	P/P	85 - 115

Quality Assurance Report Calibration Verification

Reference Method: SM 5310 B-00

Run ID: A45063

Included Lab Sample IDs: 1426778

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	85.4	94.0	P/P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A45105

Included Lab Sample IDs: 1426777

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	103	104	P/P	90 - 110
Sulfate	101	102	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A45155

Included Lab Sample IDs: 1426780

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Boron	102	101	P/P	90 - 110
Potassium	106	105	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
DEP SOP: LC-001-2 (based on EPA 8321B)	Sucralose	60.0	55.2	45.6	43.2		8.33		3.73
EPA 180.1 Rev. 2.0	Turbidity							1.88	
EPA 200.7 Rev. 4.4	Boron	102		108	109	110			1.12
	Potassium	107		107	110	116			1.72
EPA 300.0 Rev. 2.1	Chloride	101		100	99.9	101			0.0761
	Sulfate	97.9		96.0	96.5	96.3			0.424
EPA 350.1 Rev. 2.0	Ammonia-N	99.8		101	104				3.17
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	90.9		99.4	97.7				1.01
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	99.5		98.0	98.0				0.0
EPA 365.1 Rev. 2.0	Total-P	105		102	102				0.0
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	105		95.4	96.0				0.433
SM 2120 B	Color (true)							2.20	
SM 2320 B-97	Alkalinity	98.9						12.8	2.10
SM 2540 C-97	TDS							2.90	
SM 5310 B-00	Organic Carbon	93.8		87.1	103				9.56

Reference Method Descriptions

Method / NELAC Cert. #	Description	Associated Samples
DEP SOP: LC-001-2 (based on EPA 8321B) / E31780	Analysis of sucralose in water matrices by HPLC/MS/MS	1426781

Reference Method Descriptions

Method / NELAC Cert. #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	1426777
EPA 200.7 Rev. 4.4 / E31780	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	1426780
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	1426777
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	1426777
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	1426778
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	1426778
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	1426778
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	1426778
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	1426779
SM 2120 B / E31780	True Color measured at 450 nm or Apparent Color	1426777
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	1426777
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	1426777
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	1426778

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-2 (based on EPA 8321B)	05/03/2012	05/04/2012	Hoor Shaik	05/05/2012	S. M. Reddy	1426781
EPA 180.1 Rev. 2.0	05/03/2012			05/03/2012 16:30	Bryan A. Werth	1426777
EPA 200.7 Rev. 4.4	05/03/2012	05/14/2012	Elliott D. Healy	05/17/2012	Joshua Ayres	1426780
EPA 300.0 Rev. 2.1	05/03/2012			05/10/2012	Gary Dearman	1426777
EPA 350.1 Rev. 2.0	05/03/2012			05/07/2012	Diana M. Dunbar	1426778
EPA 351.2 Rev. 2.0	05/03/2012	05/07/2012	Christopher Armour	05/09/2012	Bryan A. Werth	1426778
EPA 353.2 Rev. 2.0	05/03/2012			05/07/2012	Sima Feizi	1426778
EPA 365.1 Rev. 2.0	05/03/2012	05/07/2012	Megan E. Faircloth	05/08/2012	Megan E. Faircloth	1426778
EPA 365.1 Rev. 2.0 dissolved	05/03/2012			05/03/2012 15:43	Megan E. Faircloth	1426779
SM 2120 B	05/03/2012			05/03/2012 15:41	Blanca Fach	1426777
SM 2320 B-97	05/03/2012			05/10/2012	Dale L. Simmons	1426777
SM 2540 C-97	05/03/2012			05/09/2012	Yijie Li	1426777
SM 5310 B-00	05/03/2012			05/11/2012	Diana M. Dunbar	1426778