

Chemical Analysis Report

WQAP-2021-09-14-03

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

Event Description: **Algal Bloom Response - SE ROC**
Request ID: **RQ-2021-07-19-34**
Customer: **WQAP**
Project ID: **BLOOM-RESP**

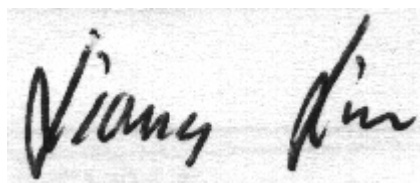
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Report Comment: Prep date corrected.

Certified by: Liang Lin, Environmental Administrator

Date Certified: 07-OCT-2021 13:27

A handwritten signature in black ink, appearing to read "Liang Lin", is shown on a light-colored 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 groups are included in this report: Nutrients and Pesticides.

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 by the Florida Department of Health Environmental Laboratory Certification Program 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: Lake Okeechobee - S308C (Lakeside)

Collection Date/Time: 09/13/2021 10:10

Field ID: SEHAB0062

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2275676	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P403684	
		Cylindrospermopsin	0.10	U	ug/L	P403684	
		Desmethyl microcystin LR	0.25	U	ug/L	P403684	
		Microcystin HilR**	0.25	U	ug/L	P403684	
		Microcystin HtyR**	0.25	U	ug/L	P403684	
		Microcystin LA	0.10	U	ug/L	P403684	
		Microcystin LF	0.10	U	ug/L	P403684	
		Microcystin LR	0.25	U	ug/L	P403684	
		Microcystin LW	0.25	U	ug/L	P403684	
		Microcystin LY	0.10	U	ug/L	P403684	
		Microcystin RR	0.10	U	ug/L	P403684	
		Microcystin WR	0.50	U	ug/L	P403684	
		Microcystin YR	0.25	U	ug/L	P403684	
		Nodularin-R**	0.10	U	ug/L	P403684	
2275678	EPA 350.1 Rev. 2.0	Ammonia-N	0.066		mg N/L	P403887	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0	J	mg N/L	P403929	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.10		mg N/L	P403756	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P403800	
2275680	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.056		mg P/L	P403706	

Ref. Method and Comment:

EPA 351.2 Rev. 2.0: Refer to the Lab Analysis Report for an explanation of QC Codes.

EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: C44 Canal - S308C (Canal Side)

Collection Date/Time: 09/13/2021 10:15

Field ID: SEHAB0063

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2275677	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P403684	
		Cylindrospermopsin	0.10	U	ug/L	P403684	
		Desmethyl microcystin LR	0.25	U	ug/L	P403684	
		Microcystin HilR**	0.25	U	ug/L	P403684	
		Microcystin HtyR**	0.25	U	ug/L	P403684	
		Microcystin LA	0.10	U	ug/L	P403684	
		Microcystin LF	0.10	U	ug/L	P403684	
		Microcystin LR	0.25	U	ug/L	P403684	
		Microcystin LW	0.25	U	ug/L	P403684	
		Microcystin LY	0.10	U	ug/L	P403684	
		Microcystin RR	0.10	U	ug/L	P403684	
		Microcystin WR	0.50	U	ug/L	P403684	
		Microcystin YR	0.25	U	ug/L	P403684	
		Nodularin-R**	0.10	U	ug/L	P403684	
2275679	EPA 350.1 Rev. 2.0	Ammonia-N	0.034		mg N/L	P403920	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.6		mg N/L	P403929	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.22		mg N/L	P403756	
	EPA 365.1 Rev. 2.0	Total-P	0.32		mg P/L	P403800	
2275681	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.23		mg P/L	P403706	

Ref. Method and Comment:

EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403887

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403920

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403929

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403756

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P403800

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403706

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

Reference Method: EPA 8321B
Batch ID: P403684

Component	Result	Code	Units
Anatoxin-a	0.25	U	ug/L
Cylindrospermopsin	0.10	U	ug/L
Desmethyl microcystin LR	0.25	U	ug/L
Microcystin H1LR	0.25	U	ug/L
Microcystin HtyR	0.25	U	ug/L
Microcystin LA	0.10	U	ug/L
Microcystin LF	0.10	U	ug/L
Microcystin LR	0.25	U	ug/L
Microcystin LW	0.25	U	ug/L
Microcystin LY	0.10	U	ug/L
Microcystin RR	0.10	U	ug/L
Microcystin WR	0.50	U	ug/L
Microcystin YR	0.25	U	ug/L
Nodularin-R	0.10	U	ug/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403887

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	98.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403920

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403929

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	97.1		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403756

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: P403800

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: P403706

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

Reference Method: EPA 8321B
Batch ID: P403684

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Anatoxin-a	79.2		P	40 - 150
Cylindrospermopsin	100		P	40 - 150
Desmethyl microcystin LR	87.3		P	40 - 150
Microcystin H1LR	92.3		P	40 - 150
Microcystin HtyR	95.9		P	40 - 150
Microcystin LA	129		P	40 - 150
Microcystin LF	125		P	40 - 150
Microcystin LR	87.6		P	40 - 150
Microcystin LW	109		P	40 - 150
Microcystin LY	123		P	40 - 150
Microcystin RR	107		P	40 - 150
Microcystin WR	88.3		P	40 - 150
Microcystin YR	84.2		P	40 - 150
Nodularin-R	111		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403887

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2275587	Ammonia-N	98.6	99.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403920

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2275892	Ammonia-N	96.6	97.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403929

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2275678	Kjeldahl Nitrogen	92.1	89.0	P/F	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403756

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2275678	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403706

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2275589	O-Phosphate-P	98.0	98.9	P/P	90 - 110

Reference Method: EPA 8321B
Batch ID: P403684

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2275638	Anatoxin-a	87.9	88.7	P/P	40 - 150
2275638	Cylindrospermopsin	101	102	P/P	40 - 150
2275638	Desmethyl microcystin LR	86.1	84.7	P/P	40 - 150
2275638	Microcystin HiLR	99.9	103	P/P	40 - 150
2275638	Microcystin HtyR	99.5	101	P/P	40 - 150
2275638	Microcystin LA	126	124	P/P	40 - 150
2275638	Microcystin LF	134	139	P/P	40 - 150
2275638	Microcystin LR	97.4	93.9	P/P	40 - 150
2275638	Microcystin LW	117	121	P/P	40 - 150
2275638	Microcystin LY	123	122	P/P	40 - 150
2275638	Microcystin RR	107	110	P/P	40 - 150
2275638	Microcystin WR	94.5	87.5	P/P	40 - 150
2275638	Microcystin YR	85.7	90.9	P/P	40 - 150
2275638	Nodularin-R	109	113	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403887

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275587	Ammonia-N	0.808	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P403920

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275892	Ammonia-N	0.395	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P403929

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275678	Kjeldahl Nitrogen	1.82	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P403756

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275678	NO2NO3-N	0.324	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P403800

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275908	Total-P	0.831	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P403706

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275589	O-Phosphate-P	0.914	Spike	P	0 - 20

Reference Method: EPA 8321B
Batch ID: P403684

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275638	Anatoxin-a	0.911	Spike	P	0 - 30
2275638	Cylindrospermopsin	0.866	Spike	P	0 - 30
2275638	Desmethyl microcystin LR	1.58	Spike	P	0 - 30
2275638	Microcystin HtLR	3.19	Spike	P	0 - 30
2275638	Microcystin HtyR	1.90	Spike	P	0 - 30
2275638	Microcystin LA	1.28	Spike	P	0 - 30
2275638	Microcystin LF	3.72	Spike	P	0 - 30
2275638	Microcystin LR	3.02	Spike	P	0 - 30
2275638	Microcystin LW	3.62	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P403684

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2275638	Microcystin LY	0.897	Spike	P	0 - 30
2275638	Microcystin RR	3.13	Spike	P	0 - 30
2275638	Microcystin WR	5.83	Spike	P	0 - 30
2275638	Microcystin YR	5.85	Spike	P	0 - 30
2275638	Nodularin-R	3.19	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2275676
Field Sample ID: SEHAB0062

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR-d7	104	P	30 - 160
EPA 8321B	Microcystin LR ethyl-d5	90.2	P	30 - 160

Lab Sample ID: 2275677
Field Sample ID: SEHAB0063

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR-d7	113	P	30 - 160
EPA 8321B	Microcystin LR ethyl-d5	102	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A107781

Included Lab Sample IDs: 2275680, 2275681

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.0	99.2	P/P	90 - 110
O-Phosphate-P	99.1	99.5	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A107784

Included Lab Sample IDs: 2275676, 2275677

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Anatoxin-a	85.4	85.2	P/P	50 - 160
Cylindrospermopsin	101	108	P/P	50 - 160
Desmethyl microcystin LR	89.2	82.7	P/P	50 - 160
Microcystin H1R	101	99.9	P/P	50 - 160
Microcystin HtyR	100	101	P/P	50 - 160
Microcystin LA	137	134	P/P	50 - 160
Microcystin LF	128	125	P/P	50 - 160
Microcystin LR	101	101	P/P	50 - 160
Microcystin LW	115	108	P/P	50 - 160
Microcystin LY	127	127	P/P	50 - 160
Microcystin RR	108	113	P/P	50 - 160
Microcystin WR	93.1	90.7	P/P	50 - 160
Microcystin YR	92.9	89.7	P/P	50 - 160
Nodularin-R	112	112	P/P	50 - 160

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A107801

Included Lab Sample IDs: 2275678, 2275679

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A107858

Included Lab Sample IDs: 2275678

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.8	97.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A107863

Included Lab Sample IDs: 2275678, 2275679

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.8	99.5	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A107885

Included Lab Sample IDs: 2275679

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	100	94.8	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A107906

Included Lab Sample IDs: 2275678, 2275679

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	100	101	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 350.1 Rev. 2.0	Ammonia-N	98.4	98.6	99.4			0.808
	Ammonia-N	99.0	96.6	97.0			0.395
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	97.1	92.1	89.0			1.82
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	104	102	102			0.324
EPA 365.1 Rev. 2.0	Total-P	102					0.831
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.5	98.0	98.9			0.914
EPA 8321B	Anatoxin-a	79.2	87.9	88.7			0.911
	Cylindrospermopsin	100	101	102			0.866
	Desmethyl microcystin LR	87.3	86.1	84.7			1.58
	Microcystin H ₁ LR	92.3	99.9	103			3.19
	Microcystin H ₂ LR	95.9	99.5	101			1.90
	Microcystin LA	129	126	124			1.28
	Microcystin LF	125	134	139			3.72
	Microcystin LR	87.6	97.4	93.9			3.02
	Microcystin LW	109	117	121			3.62
	Microcystin LY	123	123	122			0.897
	Microcystin RR	107	107	110			3.13
	Microcystin WR	88.3	94.5	87.5			5.83
	Microcystin YR	84.2	85.7	90.9			5.85
	Nodularin-R	111	109	113			3.19

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2275678, 2275679
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2275678, 2275679
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2275678, 2275679
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2275678, 2275679
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2275680, 2275681
EPA 8321B	Microcystins in water matrices by HPLC/MS/MS	2275676, 2275677

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 350.1 Rev. 2.0	09/14/2021			09/17/2021 13:45	Ping Hua	2275678
	09/14/2021			09/20/2021 11:45	Ping Hua	2275679
EPA 351.2 Rev. 2.0	09/14/2021	09/20/2021 13:20	Benjamin T. Nordmann	09/21/2021 11:13	Alexandra J Mattheus	2275678
	09/14/2021	09/20/2021 13:20	Benjamin T. Nordmann	09/21/2021 11:18	Alexandra J Mattheus	2275679
EPA 353.2 Rev. 2.0	09/14/2021			09/15/2021 10:15	Beverly Y. Sanders	2275678
	09/14/2021			09/15/2021 10:16	Beverly Y. Sanders	2275679
EPA 365.1 Rev. 2.0	09/14/2021	09/16/2021 15:28	Simonne.V. Calhoun	09/17/2021 12:43	Virginia P. Brown	2275678
	09/14/2021	09/16/2021 15:28	Simonne.V. Calhoun	09/17/2021 12:44	Virginia P. Brown	2275679
EPA 365.1 Rev. 2.0 dissolved	09/14/2021			09/14/2021 15:41	Blanca Fach	2275680
	09/14/2021			09/14/2021 16:06	Blanca Fach	2275681
EPA 8321B	09/14/2021	09/14/2021 12:00	Manjita Shrestha	09/14/2021 19:11	Manjita Shrestha	2275676
	09/14/2021	09/14/2021 12:00	Manjita Shrestha	09/14/2021 19:28	Manjita Shrestha	2275677