

Chemical Analysis Report

WQAP-2023-06-08-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Algal Bloom Response - CEROC**
Request ID: **RQ-2023-05-29-50**
Customer: **WQAP**
Project ID: **BLOOM-RESP**

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Certified by: Colin Wright, Program Administrator

Date Certified: 20-JUN-2023 09:10

A handwritten signature in black ink, reading "Colin Wright", is displayed on a light blue rectangular 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: Fox Lake - Park Boat Ramp

Collection Date/Time: 06/07/2023 12:36

Field ID: HABCE0201_FoxLake

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2415836	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P430904	
		Cylindrospermopsin	0.10	U	ug/L	P430903	
		Desmethyl microcystin LR	0.25	U	ug/L	P430903	
		Microcystin HILR	0.25	U	ug/L	P430903	
		Microcystin HtyR	0.25	U	ug/L	P430903	
		Microcystin LA	0.10	U	ug/L	P430903	
		Microcystin LF	0.10	U	ug/L	P430903	
		Microcystin LR	0.25	U	ug/L	P430903	
		Microcystin LW	0.25	U	ug/L	P430903	
		Microcystin LY	0.10	U	ug/L	P430903	
		Microcystin RR	0.10	U	ug/L	P430903	
		Microcystin WR	0.50	U	ug/L	P430903	
		Neosaxitoxin	0.50	U	ug/L	P430904	
		Microcystin YR	0.25	U	ug/L	P430903	
		Saxitoxin	0.50	U	ug/L	P430904	
		Nodularin-R	0.10	U	ug/L	P430903	
2415872	EPA 350.1 Rev. 2.0	Ammonia-N	0.007		mg N/L	P431149	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.5		mg N/L	P431119	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431252	
	EPA 365.1 Rev. 2.0	Total-P	0.072		mg P/L	P431121	
2415874	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.006	I	mg P/L	P431009	

Sample Location: Fox Lake - S Shore

Collection Date/Time: 06/07/2023 13:01

Field ID: HABCE0202_FoxLake2

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2415837	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P430904	
		Cylindrospermopsin	0.10	U	ug/L	P430903	
		Desmethyl microcystin LR	0.25	U	ug/L	P430903	
		Microcystin HILR	0.25	U	ug/L	P430903	
		Microcystin HtyR	0.25	U	ug/L	P430903	
		Microcystin LA	0.10	U	ug/L	P430903	
		Microcystin LF	0.10	U	ug/L	P430903	
		Microcystin LR	0.25	U	ug/L	P430903	
		Microcystin LW	0.25	U	ug/L	P430903	
		Microcystin LY	0.10	U	ug/L	P430903	
		Microcystin RR	0.10	U	ug/L	P430903	
		Microcystin WR	0.50	U	ug/L	P430903	
		Neosaxitoxin	0.50	U	ug/L	P430904	
		Microcystin YR	0.25	U	ug/L	P430903	
		Saxitoxin	0.50	U	ug/L	P430904	
		Nodularin-R	0.10	U	ug/L	P430903	
2415873	EPA 350.1 Rev. 2.0	Ammonia-N	0.031		mg N/L	P431149	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.2		mg N/L	P431119	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.008	I	mg N/L	P431252	
	EPA 365.1 Rev. 2.0	Total-P	0.078		mg P/L	P431121	
2415875	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.006	I	mg P/L	P431009	

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431149

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431119

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431252

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431121

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P431009

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

Reference Method: EPA 8321B
Batch ID: P430903

Component	Result	Code	Units
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

Reference Method: EPA 8321B
Batch ID: P430904

Component	Result	Code	Units
Anatoxin-a	0.25	U	ug/L
Neosaxitoxin	0.50	U	ug/L
Saxitoxin	0.50	U	ug/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431149

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431119

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431252

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	94.5		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431121

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: P431009

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	97.4		P	90 - 110

Reference Method: EPA 8321B
Batch ID: P430903

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Cylindrospermopsin	94.1		P	40 - 150
Desmethyl microcystin LR	104		P	40 - 150
Microcystin H1R	96.0		P	40 - 150
Microcystin HtyR	108		P	40 - 150
Microcystin LA	84.9		P	40 - 150
Microcystin LF	84.2		P	40 - 150
Microcystin LR	103		P	40 - 150
Microcystin LW	83.3		P	40 - 150
Microcystin LY	94.6		P	40 - 150
Microcystin RR	98.2		P	40 - 150
Microcystin WR	108		P	40 - 150
Microcystin YR	113		P	40 - 150
Nodularin-R	101		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P430904

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Anatoxin-a	113		P	40 - 150
Neosaxitoxin	128		P	40 - 150
Saxitoxin	112		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431149

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415790	Ammonia-N	98.8	98.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431119

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415961	Kjeldahl Nitrogen	97.8	103	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431252

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415742	NO2NO3-N	94.0	94.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431121

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415960	Total-P	100	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P431009

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415724	O-Phosphate-P	96.4	96.5	P/P	90 - 110

Reference Method: EPA 8321B
Batch ID: P430903

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415496	Cylindrospermopsin	93.4	97.3	P/P	40 - 150
2415496	Desmethyl microcystin LR	114	120	P/P	40 - 150
2415496	Microcystin HiLR	110	118	P/P	40 - 150
2415496	Microcystin HtyR	125	140	P/P	40 - 150
2415496	Microcystin LA	82.1	83.8	P/P	40 - 150
2415496	Microcystin LF	92.5	104	P/P	40 - 150
2415496	Microcystin LR	118	132	P/P	40 - 150
2415496	Microcystin LW	84.9	98.8	P/P	40 - 150
2415496	Microcystin LY	83.7	104	P/P	40 - 150
2415496	Microcystin RR	104	105	P/P	40 - 150
2415496	Microcystin WR	121	125	P/P	40 - 150
2415496	Microcystin YR	130	136	P/P	40 - 150
2415496	Nodularin-R	106	111	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P430904

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415496	Anatoxin-a	106	107	P/P	40 - 150
2415496	Neosaxitoxin	87.7	87.3	P/P	40 - 150
2415496	Saxitoxin	87.9	87.8	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431149

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415790	Ammonia-N	0.0	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431119

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415961	Kjeldahl Nitrogen	3.85	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431252

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415742	NO2NO3-N	0.531	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431121

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415960	Total-P	0.602	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P431009

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415724	O-Phosphate-P	0.0849	Spike	P	0 - 20

Reference Method: EPA 8321B
Batch ID: P430903

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415496	Cylindrospermopsin	4.12	Spike	P	0 - 30
2415496	Desmethyl microcystin LR	5.23	Spike	P	0 - 30
2415496	Microcystin H1LR	7.49	Spike	P	0 - 30
2415496	Microcystin HtyR	10.9	Spike	P	0 - 30
2415496	Microcystin LA	2.13	Spike	P	0 - 30
2415496	Microcystin LF	11.8	Spike	P	0 - 30
2415496	Microcystin LR	11.2	Spike	P	0 - 30
2415496	Microcystin LW	15.1	Spike	P	0 - 30
2415496	Microcystin LY	22.1	Spike	P	0 - 30
2415496	Microcystin RR	0.865	Spike	P	0 - 30
2415496	Microcystin WR	2.65	Spike	P	0 - 30
2415496	Microcystin YR	4.81	Spike	P	0 - 30
2415496	Nodularin-R	4.49	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P430904

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2415496	Anatoxin-a	1.35	Spike	P	0 - 30
2415496	Neosaxitoxin	0.502	Spike	P	0 - 30
2415496	Saxitoxin	0.111	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2415836
Field Sample ID: HABCE0201_FoxLake

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR ethyl-d5	123	P	30 - 160
EPA 8321B	Saxitoxin-15N7	57.5	P	30 - 160

Lab Sample ID: 2415837
Field Sample ID: HABCE0202_FoxLake2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR ethyl-d5	122	P	30 - 160
EPA 8321B	Saxitoxin-15N7	45.7	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A119666

Included Lab Sample IDs: 2415874, 2415875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.6	98.4	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A119675

Included Lab Sample IDs: 2415836, 2415837

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Cylindrospermopsin	97.1	95.8	P/P	50 - 160
Desmethyl microcystin LR	98.4	98.6	P/P	50 - 160
Microcystin HtR	97.8	99.6	P/P	50 - 160
Microcystin HtyR	106	104	P/P	50 - 160
Microcystin LA	88.1	94.4	P/P	50 - 160
Microcystin LF	90.4	87.7	P/P	50 - 160
Microcystin LR	108	102	P/P	50 - 160
Microcystin LW	108	115	P/P	50 - 160
Microcystin LY	115	109	P/P	50 - 160
Microcystin RR	84.9	83.1	P/P	50 - 160
Microcystin WR	106	113	P/P	50 - 160
Microcystin YR	104	104	P/P	50 - 160
Nodularin-R	88.8	87.4	P/P	50 - 160

Reference Method: EPA 8321B

Run ID: A119686

Included Lab Sample IDs: 2415836, 2415837

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Anatoxin-a	115	109	P/P	50 - 160
Neosaxitoxin	120	114	P/P	50 - 160
Saxitoxin	108	102	P/P	50 - 160

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A119733

Included Lab Sample IDs: 2415872, 2415873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.7	98.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A119763

Included Lab Sample IDs: 2415872, 2415873

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A119789

Included Lab Sample IDs: 2415872, 2415873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	95.5	94.0	P/P	90 - 110

Quality Assurance Report

Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A119841

Included Lab Sample IDs: 2415872, 2415873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	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	MS
						SMP	
EPA 350.1 Rev. 2.0	Ammonia-N	95.8	98.8	98.8			0.0
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	100	97.8	103			3.85
EPA 353.2 Rev. 2.0	NO2NO3-N	94.5	94.0	94.5			0.531
EPA 365.1 Rev. 2.0	Total-P	102	100	99.5			0.602
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	97.4	96.4	96.5			0.0849
EPA 8321B	Anatoxin-a	113	106	107			1.35
	Cylindrospermopsin	94.1	93.4	97.3			4.12
	Desmethyl microcystin LR	104	114	120			5.23
	Microcystin HiLR	96.0	110	118			7.49
	Microcystin HtyR	108	125	140			10.9
	Microcystin LA	84.9	82.1	83.8			2.13
	Microcystin LF	84.2	92.5	104			11.8
	Microcystin LR	103	118	132			11.2
	Microcystin LW	83.3	84.9	98.8			15.1
	Microcystin LY	94.6	83.7	104			22.1
	Microcystin RR	98.2	104	105			0.865
	Microcystin WR	108	121	125			2.65
	Microcystin YR	113	130	136			4.81
	Neosaxitoxin	128	87.7	87.3			0.502
	Nodularin-R	101	106	111			4.49
	Saxitoxin	112	87.9	87.8			0.111

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2415872, 2415873
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2415872, 2415873
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2415872, 2415873
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2415872, 2415873
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2415874, 2415875
EPA 8321B	Microcystins in water matrices by HPLC/MS/MS	2415836, 2415837
EPA 8321B	Saxitoxin in water matrices by HPLC/MS/MS	2415836, 2415837

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	06/08/2023			06/12/2023 12:54	Khloe J Berg	2415872
	06/08/2023			06/12/2023 12:55	Khloe J Berg	2415873
EPA 351.2 Rev. 2.0	06/08/2023	06/12/2023 12:30	Simonne.V. Calhoun	06/15/2023 11:12	Ping Hua	2415872
	06/08/2023	06/12/2023 12:30	Simonne.V. Calhoun	06/15/2023 11:14	Ping Hua	2415873
EPA 353.2 Rev. 2.0	06/08/2023			06/14/2023 10:38	Beverly Y. Sanders	2415872
	06/08/2023			06/14/2023 10:39	Beverly Y. Sanders	2415873
EPA 365.1 Rev. 2.0	06/08/2023	06/12/2023 13:00	Alexis Price	06/13/2023 12:03	Simonne.V. Calhoun	2415872
	06/08/2023	06/12/2023 13:00	Alexis Price	06/13/2023 12:04	Simonne.V. Calhoun	2415873
EPA 365.1 Rev. 2.0 dissolved	06/08/2023			06/08/2023 13:47	Adam P Silver	2415874
	06/08/2023			06/08/2023 13:48	Adam P Silver	2415875
EPA 8321B	06/08/2023	06/08/2023 11:00	Touraj Touran	06/08/2023 13:28	Touraj Touran	2415836
	06/08/2023	06/08/2023 11:00	Touraj Touran	06/08/2023 13:45	Touraj Touran	2415837
	06/08/2023	06/08/2023 13:00	Touraj Touran	06/09/2023 09:13	Touraj Touran	2415836
	06/08/2023	06/08/2023 13:00	Touraj Touran	06/09/2023 09:27	Touraj Touran	2415837