Chemical Analysis Report

WQAP-2022-02-04-01

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

Event Description: **Algal Bloom Response - CEROC**
Request ID: **RQ-2021-12-27-03**
Customer: **WQAP**
Project ID: **BLOOM-RESP**

Send Reports to:
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3319 Maguire Blvd. Suite 232
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Certified by: Colin Wright, Program Administrator

Date Certified: 24-FEB-2022 13:08

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 Speer - SE boat ramp **Collection Date/Time: 02/03/2022 10:28**

Field ID: HABCE0098_LakeSpeer Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2303668	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P409456	
		Cylindrospermopsin	0.10	U	ug/L	P409456	
		Desmethyl microcystin LR	0.25	U	ug/L	P409456	
		Microcystin HilR**	0.25	U	ug/L	P409456	
		Microcystin HtyR**	0.25	U	ug/L	P409456	
		Microcystin LA	0.10	U	ug/L	P409456	
		Microcystin LF	0.10	U	ug/L	P409456	
		Microcystin LR	0.25	U	ug/L	P409456	
		Microcystin LW	0.25	U	ug/L	P409456	
		Microcystin LY	0.10	U	ug/L	P409456	
		Microcystin RR	0.10	U	ug/L	P409456	
		Microcystin WR	0.50	U	ug/L	P409456	
		Microcystin YR	0.25	U	ug/L	P409456	
		Nodularin-R**	0.10	U	ug/L	P409456	
2303670	EPA 350.1 Rev. 2.0	Ammonia-N	0.021		mg N/L	P409950	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.80		mg N/L	P409507	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.047		mg N/L	P409611	
	EPA 365.1 Rev. 2.0	Total-P	0.038		mg P/L	P409555	
2303672	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.010		mg P/L	P409463	

Sample Location: Lake Estelle - NE Lobe **Collection Date/Time: 02/03/2022 11:37**

Field ID: HABCE0103_LakeEstelle1 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2303669	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P409456	
		Cylindrospermopsin	0.10	U	ug/L	P409456	
		Desmethyl microcystin LR	0.25	U	ug/L	P409456	
		Microcystin HilR**	0.25	U	ug/L	P409456	
		Microcystin HtyR**	0.25	U	ug/L	P409456	
		Microcystin LA	0.16	I	ug/L	P409456	
		Microcystin LF	0.10	U	ug/L	P409456	
		Microcystin LR	0.25	U	ug/L	P409456	
		Microcystin LW	0.25	U	ug/L	P409456	
		Microcystin LY	0.10	U	ug/L	P409456	
		Microcystin RR	0.10	U	ug/L	P409456	
		Microcystin WR	0.50	U	ug/L	P409456	
		Microcystin YR	0.25	U	ug/L	P409456	
		Nodularin-R**	0.10	U	ug/L	P409456	
2303671	EPA 350.1 Rev. 2.0	Ammonia-N	0.006		mg N/L	P409950	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.57		mg N/L	P409507	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P409612	
	EPA 365.1 Rev. 2.0	Total-P	0.020		mg P/L	P409555	
2303673	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P409463	

Quality Assurance Report
Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P409950

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409507

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409611

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409612

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P409555

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P409463

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

Reference Method: EPA 8321B
Batch ID: P409456

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 HilR	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: P409950

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: P409507

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.1		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409611

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409612

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P409555

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: P409463

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

Reference Method: EPA 8321B
Batch ID: P409456

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Anatoxin-a	86.0		P	40 - 150
Cylindrospermopsin	98.2		P	40 - 150
Desmethyl microcystin LR	87.7		P	40 - 150
Microcystin HilR	85.6		P	40 - 150
Microcystin HtyR	94.3		P	40 - 150
Microcystin LA	90.8		P	40 - 150
Microcystin LF	77.8		P	40 - 150
Microcystin LR	90.3		P	40 - 150
Microcystin LW	71.8		P	40 - 150
Microcystin LY	81.8		P	40 - 150
Microcystin RR	94.8		P	40 - 150
Microcystin WR	79.3		P	40 - 150
Microcystin YR	95.9		P	40 - 150
Nodularin-R	94.4		P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P409950

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303671	Ammonia-N	98.6	98.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409507

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303732	Kjeldahl Nitrogen	105	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409611

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303445	NO2NO3-N	100	99.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409612

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303671	NO2NO3-N	102	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P409555

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303736	Total-P	102	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P409463

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303673	O-Phosphate-P	98.9	100	P/P	90 - 110

Reference Method: EPA 8321B
Batch ID: P409456

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2303668	Anatoxin-a	106	105	P/P	40 - 150
2303668	Cylindrospermopsin	107	106	P/P	40 - 150
2303668	Desmethyl microcystin LR	103	102	P/P	40 - 150
2303668	Microcystin HilR	110	100	P/P	40 - 150
2303668	Microcystin HtyR	105	96.9	P/P	40 - 150
2303668	Microcystin LA	95.2	89.1	P/P	40 - 150
2303668	Microcystin LF	82.4	78.3	P/P	40 - 150
2303668	Microcystin LR	103	101	P/P	40 - 150
2303668	Microcystin LW	80.4	79.0	P/P	40 - 150
2303668	Microcystin LY	91.7	88.7	P/P	40 - 150
2303668	Microcystin RR	107	105	P/P	40 - 150
2303668	Microcystin WR	94.9	93.9	P/P	40 - 150
2303668	Microcystin YR	118	102	P/P	40 - 150
2303668	Nodularin-R	106	105	P/P	40 - 150

Quality Assurance Report
Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P409950

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303671	Ammonia-N	0.180	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409507

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303732	Kjeldahl Nitrogen	2.22	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409611

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303445	NO2NO3-N	0.629	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409612

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303671	NO2NO3-N	0.494	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P409555

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303736	Total-P	0.669	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P409463

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303673	O-Phosphate-P	1.21	Spike	P	0 - 20

Reference Method: EPA 8321B
Batch ID: P409456

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303668	Anatoxin-a	1.07	Spike	P	0 - 30
2303668	Cylindrospermopsin	0.510	Spike	P	0 - 30
2303668	Desmethyl microcystin LR	1.05	Spike	P	0 - 30
2303668	Microcystin HilR	8.91	Spike	P	0 - 30
2303668	Microcystin HtyR	8.06	Spike	P	0 - 30
2303668	Microcystin LA	6.61	Spike	P	0 - 30
2303668	Microcystin LF	5.05	Spike	P	0 - 30
2303668	Microcystin LR	1.28	Spike	P	0 - 30
2303668	Microcystin LW	1.76	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P409456

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2303668	Microcystin LY	3.33	Spike	P	0 - 30
2303668	Microcystin RR	1.58	Spike	P	0 - 30
2303668	Microcystin WR	0.998	Spike	P	0 - 30
2303668	Microcystin YR	14.7	Spike	P	0 - 30
2303668	Nodularin-R	1.08	Spike	P	0 - 30

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2303668
Field Sample ID: HABCE0098_LakeSpeer

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR ethyl-d5	52.4	P	30 - 160

Lab Sample ID: 2303669
Field Sample ID: HABCE0103_LakeEstelle1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR ethyl-d5	49.8	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A110244
Included Lab Sample IDs: 2303672, 2303673

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A110301
Included Lab Sample IDs: 2303670, 2303671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	101	P/P	90 - 110
NO2NO3-N	101	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A110319
Included Lab Sample IDs: 2303670, 2303671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.6	97.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A110337
Included Lab Sample IDs: 2303670, 2303671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	102	104	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A110341
Included Lab Sample IDs: 2303668, 2303669

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Anatoxin-a	88.2	94.7	P/P	50 - 160
Cylindrospermopsin	102	104	P/P	60 - 160
Desmethyl microcystin LR	91.5	99.5	P/P	60 - 160
Microcystin HilR	92.6	94.6	P/P	60 - 160
Microcystin HtyR	91.1	96.5	P/P	60 - 160
Microcystin LA	87.6	95.8	P/P	50 - 160
Microcystin LF	80.4	86.6	P/P	60 - 160
Microcystin LR	97.9	99.6	P/P	60 - 160
Microcystin LW	76.2	79.9	P/P	60 - 160
Microcystin LY	87.3	87.1	P/P	60 - 160
Microcystin RR	96.6	103	P/P	60 - 160
Microcystin WR	84.8	85.0	P/P	60 - 160
Microcystin YR	94.0	88.0	P/P	60 - 160
Nodularin-R	97.1	99.6	P/P	60 - 160

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A110454
Included Lab Sample IDs: 2303670, 2303671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.6	98.5	P/P	90 - 110

Quality Assurance Report
Calibration Verification

* 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	99.8	98.6	98.8			0.180
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.1	105	101			2.22
EPA 353.2 Rev. 2.0	NO2NO3-N	100	100	99.5			0.629
	NO2NO3-N	101	102	101			0.494
EPA 365.1 Rev. 2.0	Total-P	102	102	101			0.669
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.6	98.9	100			1.21
EPA 8321B	Anatoxin-a	86.0	106	105			1.07
	Cylindrospermopsin	98.2	107	106			0.510
	Desmethyl microcystin LR	87.7	103	102			1.05
	Microcystin HilR	85.6	110	100			8.91
	Microcystin HtyR	94.3	105	96.9			8.06
	Microcystin LA	90.8	95.2	89.1			6.61
	Microcystin LF	77.8	82.4	78.3			5.05
	Microcystin LR	90.3	103	101			1.28
	Microcystin LW	71.8	80.4	79.0			1.76
	Microcystin LY	81.8	91.7	88.7			3.33
	Microcystin RR	94.8	107	105			1.58
	Microcystin WR	79.3	94.9	93.9			0.998
	Microcystin YR	95.9	118	102			14.7
	Nodularin-R	94.4	106	105			1.08

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2303670, 2303671
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2303670, 2303671
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2303670, 2303671
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2303670, 2303671
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2303672, 2303673
EPA 8321B	Microcystins in water matrices by HPLC/MS/MS	2303668, 2303669

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	02/04/2022			02/16/2022 12:36	Ping Hua	2303671
	02/04/2022			02/16/2022 12:40	Ping Hua	2303670
EPA 351.2 Rev. 2.0	02/04/2022	02/08/2022 13:34	Samantha L Bates	02/09/2022 14:53	Alexandra J Mattheus	2303670
	02/04/2022	02/08/2022 13:34	Samantha L Bates	02/09/2022 14:55	Alexandra J Mattheus	2303671
EPA 353.2 Rev. 2.0	02/04/2022			02/09/2022 10:45	Beverly Y. Sanders	2303670
	02/04/2022			02/09/2022 10:52	Beverly Y. Sanders	2303671
EPA 365.1 Rev. 2.0	02/04/2022	02/09/2022 16:20	Simonne.V. Calhoun	02/10/2022 14:11	Shengyu Ding	2303670
	02/04/2022	02/09/2022 16:20	Simonne.V. Calhoun	02/10/2022 14:12	Shengyu Ding	2303671
EPA 365.1 Rev. 2.0 dissolved	02/04/2022			02/04/2022 14:12	James L Waggerby	2303673
	02/04/2022			02/04/2022 14:15	James L Waggerby	2303672
EPA 8321B	02/04/2022	02/10/2022 09:30	Manjita Shrestha	02/10/2022 11:23	Manjita Shrestha	2303668
	02/04/2022	02/10/2022 09:30	Manjita Shrestha	02/10/2022 11:40	Manjita Shrestha	2303669