

Chemical Analysis Report

SE-DIST-2024-03-15-01

Florida DEP Laboratory
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Tallahassee, FL 32399-2400
DOH Accreditation E31780

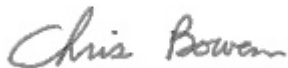
Event Description: **Algal Bloom Response - SE ROC**
Request ID: **RQ-2024-03-04-71**
Customer: **SE-DIST**
Project ID: **BLOOM-RESP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 01-APR-2024 12:30



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 Clarke Inflow - East Congress Ave

Collection Date/Time: 03/14/2024 09:15

Field ID: SeHAB0110

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475760	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P442809	
		Cylindrospermopsin	0.10	U	ug/L	P442807	
		Desmethyl microcystin LR	0.25	U	ug/L	P442807	
		Microcystin HILR	0.25	U	ug/L	P442807	
		Microcystin HtyR	0.25	U	ug/L	P442807	
		Microcystin LA	0.10	U	ug/L	P442807	
		Microcystin LF	0.10	U	ug/L	P442807	
		Microcystin LR	0.25	U	ug/L	P442807	
		Microcystin LW	0.25	U	ug/L	P442807	
		Microcystin LY	0.10	U	ug/L	P442807	
		Microcystin RR	0.10	U	ug/L	P442807	
		Microcystin WR	0.50	U	ug/L	P442807	
		Neosaxitoxin	0.50	U	ug/L	P442809	
		Microcystin YR	0.25	U	ug/L	P442807	
		Saxitoxin	0.50	U	ug/L	P442809	
		Nodularin-R	0.10	U	ug/L	P442807	

Sample Location: Lake Clarke Inflow - East Congress Ave

Collection Date/Time: 03/14/2024 09:15

Field ID: SeHAB0110					Matrix: W-SURF-FRH			
Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes	
2475757	DEP SOP: NU-094-1	Color (true)	66		PCU	P442885		
2475758	EPA 350.1 Rev. 2.0	Ammonia-N	0.064		mg N/L	P443125		
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.96		mg N/L	P442910		
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.022		mg N/L	P443028		
	EPA 365.1 Rev. 2.0	Total-P	0.12		mg P/L	P443184		
2475759	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.016		mg P/L	P442873		

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P442885

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443125

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P442910

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443028

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443184

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P442873

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

Reference Method: EPA 8321B
Batch ID: P442807

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P442809

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: DEP SOP: NU-094-1
Batch ID: P442885

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	93.0		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443125

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: P442910

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443028

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443184

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P442873

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

Reference Method: EPA 8321B
Batch ID: P442807

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Cylindrospermopsin	91.7		P	40 - 150
Desmethyl microcystin LR	100		P	40 - 150
Microcystin H11R	102		P	40 - 150
Microcystin HtyR	104		P	40 - 150
Microcystin LA	98.4		P	40 - 150
Microcystin LF	107		P	40 - 150
Microcystin LR	95.8		P	40 - 150
Microcystin LW	124		P	40 - 150
Microcystin LY	106		P	40 - 150
Microcystin RR	87.3		P	40 - 150
Microcystin WR	103		P	40 - 150
Microcystin YR	106		P	40 - 150
Nodularin-R	96.2		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P442809

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Anatoxin-a	97.1		P	40 - 150
Neosaxitoxin	80.3		P	40 - 150
Saxitoxin	92.3		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443125

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475567	Ammonia-N	96.4	98.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P442910

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475862	Kjeldahl Nitrogen	105	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443028

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475566	NO2NO3-N	99.5	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443184

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475781	Total-P	104	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P442873

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475759	O-Phosphate-P	100	101	P/P	90 - 110

Reference Method: EPA 8321B
Batch ID: P442807

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475433	Cylindrospermopsin	84.8	90.0	P/P	40 - 150
2475433	Desmethyl microcystin LR	92.8	85.2	P/P	40 - 150
2475433	Microcystin HiLR	99.2	95.2	P/P	40 - 150
2475433	Microcystin HtyR	90.0	91.9	P/P	40 - 150
2475433	Microcystin LA	92.8	95.6	P/P	40 - 150
2475433	Microcystin LF	96.4	98.8	P/P	40 - 150
2475433	Microcystin LR	91.5	93.7	P/P	40 - 150
2475433	Microcystin LW	103	99.2	P/P	40 - 150
2475433	Microcystin LY	91.1	95.6	P/P	40 - 150
2475433	Microcystin RR	80.6	80.9	P/P	40 - 150
2475433	Microcystin WR	91.2	93.9	P/P	40 - 150
2475433	Microcystin YR	91.0	90.6	P/P	40 - 150
2475433	Nodularin-R	85.0	84.4	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P442809

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475433	Anatoxin-a	83.9	88.0	P/P	40 - 150
2475433	Neosaxitoxin	49.0	50.2	P/P	40 - 150
2475433	Saxitoxin	61.7	61.1	P/P	40 - 150

Quality Assurance Report

Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P442885

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475778	Color (true)	0.396	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443125

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475567	Ammonia-N	1.23	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P442910

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475862	Kjeldahl Nitrogen	2.83	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443028

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475566	NO2NO3-N	0.501	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443184

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475781	Total-P	0.787	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P442873

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475759	O-Phosphate-P	0.856	Spike	P	0 - 20

Reference Method: EPA 8321B
Batch ID: P442807

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475433	Cylindrospermopsin	5.94	Spike	P	0 - 30
2475433	Desmethyl microcystin LR	8.53	Spike	P	0 - 30
2475433	Microcystin HtIR	4.19	Spike	P	0 - 30
2475433	Microcystin HtyR	2.07	Spike	P	0 - 30
2475433	Microcystin LA	2.95	Spike	P	0 - 30
2475433	Microcystin LF	2.53	Spike	P	0 - 30
2475433	Microcystin LR	2.47	Spike	P	0 - 30
2475433	Microcystin LW	4.14	Spike	P	0 - 30
2475433	Microcystin LY	4.83	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P442807

Replicated					
Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475433	Microcystin RR	0.308	Spike	P	0 - 30
2475433	Microcystin WR	2.97	Spike	P	0 - 30
2475433	Microcystin YR	0.404	Spike	P	0 - 30
2475433	Nodularin-R	0.712	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P442809

Replicated					
Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475433	Anatoxin-a	4.69	Spike	P	0 - 30
2475433	Neosaxitoxin	2.35	Spike	P	0 - 30
2475433	Saxitoxin	0.963	Spike	P	0 - 30

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2475760
Field Sample ID: SeHAB0110

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Anatoxin-a 13C4	89.6	P	30 - 160
EPA 8321B	Microcystin LR ethyl-d5	91.0	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A124729
Included Lab Sample IDs: 2475760

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Cylindrospermopsin	85.9	87.3	P/P	50 - 160
Desmethyl microcystin LR	90.0	94.8	P/P	50 - 160
Microcystin HILR	95.7	103	P/P	50 - 160
Microcystin HtyR	96.9	94.0	P/P	50 - 160
Microcystin LA	96.3	95.2	P/P	50 - 160
Microcystin LF	102	102	P/P	50 - 160
Microcystin LR	92.3	93.0	P/P	50 - 160
Microcystin LW	100	105	P/P	50 - 160
Microcystin LY	99.7	99.6	P/P	50 - 160
Microcystin RR	83.4	78.0	P/P	50 - 160
Microcystin WR	88.8	88.2	P/P	50 - 160
Microcystin YR	96.2	94.7	P/P	50 - 160
Nodularin-R	89.3	89.2	P/P	50 - 160

Reference Method: EPA 8321B
Run ID: A124730
Included Lab Sample IDs: 2475760

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Anatoxin-a	97.1	90.6	P/P	50 - 160
Neosaxitoxin	92.0	86.6	P/P	50 - 160
Saxitoxin	94.3	91.8	P/P	50 - 160

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A124784
Included Lab Sample IDs: 2475759

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	99.3	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1
Run ID: A124789
Included Lab Sample IDs: 2475757

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	93.5	95.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A124849
Included Lab Sample IDs: 2475758

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A124860
Included Lab Sample IDs: 2475758

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

Quality Assurance Report
Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A124892
Included Lab Sample IDs: 2475758

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.3	98.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A124947
Included Lab Sample IDs: 2475758

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	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	MS
					SMP	
DEP SOP: NU-094-1	Color (true)	93.0			0.396	
EPA 350.1 Rev. 2.0	Ammonia-N	95.8	96.4	98.4		1.23
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	105	105	101		2.83
EPA 353.2 Rev. 2.0	NO2NO3-N	99.0	99.5	100		0.501
EPA 365.1 Rev. 2.0	Total-P	104	104	105		0.787
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	101	100	101		0.856
EPA 8321B	Anatoxin-a	97.1	83.9	88.0		4.69
	Cylindrospermopsin	91.7	84.8	90.0		5.94
	Desmethyl microcystin LR	100	92.8	85.2		8.53
	Microcystin H1LR	102	99.2	95.2		4.19
	Microcystin HtyR	104	90.0	91.9		2.07
	Microcystin LA	98.4	92.8	95.6		2.95
	Microcystin LF	107	96.4	98.8		2.53
	Microcystin LR	95.8	91.5	93.7		2.47
	Microcystin LW	124	103	99.2		4.14
	Microcystin LY	106	91.1	95.6		4.83
	Microcystin RR	87.3	80.6	80.9		0.308
	Microcystin WR	103	91.2	93.9		2.97
	Microcystin YR	106	91.0	90.6		0.404
	Neosaxitoxin	80.3	49.0	50.2		2.35
	Nodularin-R	96.2	85.0	84.4		0.712
	Saxitoxin	92.3	61.7	61.1		0.963

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2475757
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2475758
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2475758
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2475758
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2475758
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2475759
EPA 8321B	Microcystins in water matrices by HPLC/MS/MS	2475760
EPA 8321B	Saxitoxin in water matrices by HPLC/MS/MS	2475760

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	03/15/2024			03/15/2024 14:16	Samantha L Bates	2475757
EPA 350.1 Rev. 2.0	03/15/2024			03/21/2024 13:00	Khloe J Berg	2475758
EPA 351.2 Rev. 2.0	03/15/2024	03/18/2024 12:02	Simonne.V. Calhoun	03/20/2024 11:07	Samantha L Bates	2475758
EPA 353.2 Rev. 2.0	03/15/2024			03/19/2024 14:30	Fadila Guebre	2475758
EPA 365.1 Rev. 2.0	03/15/2024	03/22/2024 13:06	Josephine W Gitau	03/24/2024 14:04	James L Waggeberby	2475758
EPA 365.1 Rev. 2.0 dissolved	03/15/2024			03/15/2024 14:04	Victoria Ocasio-Reed	2475759
EPA 8321B	03/15/2024	03/15/2024 10:30	Hana Lee	03/15/2024 12:39	Hana Lee	2475760
	03/15/2024	03/15/2024 12:00	Hana Lee	03/15/2024 16:33	Hana Lee	2475760