

Chemical Analysis Report

SO-DIST-2024-02-01-01

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

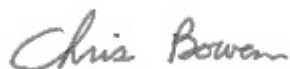
Event Description: **Algal Bloom Response -SOROC**
Request ID: **RQ-2023-07-24-16**
Customer: **SO-DIST**
Project ID: **BLOOM-RESP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: John Barrington

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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 19-FEB-2024 13:52



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 Clay - Boat Ramp

Collection Date/Time: 01/31/2024 07:46

Field ID: HAB-HC-013124-0746

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2465207	DEP SOP: NU-094-1	Color (true)	8.6	A	PCU	P440804	
2465208	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P441069	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.65		mg N/L	P441206	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P440948	
	EPA 365.1 Rev. 2.0	Total-P	0.019		mg P/L	P440964	
2465209	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P440807	
2465210	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P440621	
		Cylindrospermopsin	0.10	U	ug/L	P440619	
		Desmethyl microcystin LR	0.25	U	ug/L	P440619	
		Microcystin HiLR	0.25	U	ug/L	P440619	
		Microcystin HtyR	0.25	U	ug/L	P440619	
		Microcystin LA	0.10	U	ug/L	P440619	
		Microcystin LF	0.10	U	ug/L	P440619	
		Microcystin LR	0.25	U	ug/L	P440619	
		Microcystin LW	0.25	U	ug/L	P440619	
		Microcystin LY	0.10	U	ug/L	P440619	
		Microcystin RR	0.10	U	ug/L	P440619	
		Microcystin WR	0.50	U	ug/L	P440619	
		Neosaxitoxin	0.50	U	ug/L	P440621	
		Microcystin YR	0.25	U	ug/L	P440619	
		Saxitoxin	0.50	U	ug/L	P440621	
		Nodularin-R	0.10	U	ug/L	P440619	

Quality Assurance Report

Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P440804

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441069

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441206

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440964

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P440807

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

Reference Method: EPA 8321B
Batch ID: P440619

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: P440621

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: P440804

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.3		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441069

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	98.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441206

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440964

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P440807

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

Reference Method: EPA 8321B
Batch ID: P440619

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Cylindrospermopsin	89.8		P	40 - 150
Desmethyl microcystin LR	74.1		P	40 - 150
Microcystin H1LR	80.7		P	40 - 150
Microcystin HtyR	85.6		P	40 - 150
Microcystin LA	88.6		P	40 - 150
Microcystin LF	87.1		P	40 - 150
Microcystin LR	78.2		P	40 - 150
Microcystin LW	86.8		P	40 - 150
Microcystin LY	89.8		P	40 - 150
Microcystin RR	94.8		P	40 - 150
Microcystin WR	77.6		P	40 - 150
Microcystin YR	89.3		P	40 - 150
Nodularin-R	90.3		P	40 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P440621

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Anatoxin-a	97.7		P	40 - 150
Neosaxitoxin	89.8		P	40 - 150
Saxitoxin	73.5		P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441069

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464749	Ammonia-N	98.8	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441206

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465216	Kjeldahl Nitrogen	100	97.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464538	NO2NO3-N	97.5	97.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440964

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465635	Total-P	103	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P440807

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465242	O-Phosphate-P	97.6	97.7	P/P	90 - 110

Reference Method: EPA 8321B
Batch ID: P440619

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464079	Cylindrospermopsin	102	104	P/P	40 - 150
2464079	Desmethyl microcystin LR	82.9	85.7	P/P	40 - 150
2464079	Microcystin HiLR	86.1	93.1	P/P	40 - 150
2464079	Microcystin HtyR	93.9	96.0	P/P	40 - 150
2464079	Microcystin LA	101	96.1	P/P	40 - 150
2464079	Microcystin LF	100	101	P/P	40 - 150
2464079	Microcystin LR	85.4	89.6	P/P	40 - 150
2464079	Microcystin LW	98.4	104	P/P	40 - 150
2464079	Microcystin LY	96.6	98.3	P/P	40 - 150
2464079	Microcystin RR	104	103	P/P	40 - 150
2464079	Microcystin WR	80.5	90.5	P/P	40 - 150
2464079	Microcystin YR	92.4	94.7	P/P	40 - 150
2464079	Nodularin-R	99.5	96.0	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440621

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464079	Anatoxin-a	102	104	P/P	40 - 150
2464079	Neosaxitoxin	94.1	95.5	P/P	40 - 150
2464079	Saxitoxin	80.7	83.2	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P440804

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465207	Color (true)	9.95	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441069

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464749	Ammonia-N	2.19	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441206

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465216	Kjeldahl Nitrogen	2.16	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464538	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440964

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465635	Total-P	2.33	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P440807

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465242	O-Phosphate-P	0.0980	Spike	P	0 - 20

Reference Method: EPA 8321B
Batch ID: P440619

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464079	Cylindrospermopsin	1.22	Spike	P	0 - 30
2464079	Desmethyl microcystin LR	3.33	Spike	P	0 - 30
2464079	Microcystin HtIR	7.84	Spike	P	0 - 30
2464079	Microcystin HtyR	2.28	Spike	P	0 - 30
2464079	Microcystin LA	5.31	Spike	P	0 - 30
2464079	Microcystin LF	0.168	Spike	P	0 - 30
2464079	Microcystin LR	4.82	Spike	P	0 - 30
2464079	Microcystin LW	5.65	Spike	P	0 - 30
2464079	Microcystin LY	1.72	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P440619

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464079	Microcystin RR	1.08	Spike	P	0 - 30
2464079	Microcystin WR	11.7	Spike	P	0 - 30
2464079	Microcystin YR	2.52	Spike	P	0 - 30
2464079	Nodularin-R	3.65	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P440621

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464079	Anatoxin-a	2.12	Spike	P	0 - 30
2464079	Neosaxitoxin	1.58	Spike	P	0 - 30
2464079	Saxitoxin	3.13	Spike	P	0 - 30

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2465210
Field Sample ID: HAB-HC-013124-0746

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Anatoxin-a 13C4	110	P	30 - 160
EPA 8321B	Microcystin LR ethyl-d5	89.9	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A123948
Included Lab Sample IDs: 2465210

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Cylindrospermopsin	98.7	98.4	P/P	50 - 160
Desmethyl microcystin LR	84.7	81.2	P/P	50 - 160
Microcystin HilR	85.7	89.1	P/P	50 - 160
Microcystin HtyR	91.6	89.1	P/P	50 - 160
Microcystin LA	98.7	98.4	P/P	50 - 160
Microcystin LF	92.3	92.9	P/P	50 - 160
Microcystin LR	86.7	80.1	P/P	50 - 160
Microcystin LW	97.9	97.5	P/P	50 - 160
Microcystin LY	96.6	98.3	P/P	50 - 160
Microcystin RR	99.6	95.8	P/P	50 - 160
Microcystin WR	85.0	88.2	P/P	50 - 160
Microcystin YR	92.8	89.3	P/P	50 - 160
Nodularin-R	96.1	97.0	P/P	50 - 160

Reference Method: DEP SOP: NU-094-1
Run ID: A123949
Included Lab Sample IDs: 2465207

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	95.4	98.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A123951
Included Lab Sample IDs: 2465209

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.9	98.4	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A123958
Included Lab Sample IDs: 2465210

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Anatoxin-a	104	104	P/P	50 - 160
Neosaxitoxin	113	112	P/P	50 - 160
Saxitoxin	94.2	94.1	P/P	50 - 160

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A124002
Included Lab Sample IDs: 2465208

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A124043
Included Lab Sample IDs: 2465208

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	99.2	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A124045
Included Lab Sample IDs: 2465208

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.4	99.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A124101
Included Lab Sample IDs: 2465208

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.2	107	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	
DEP SOP: NU-094-1	Color (true)	99.3				9.95	
EPA 350.1 Rev. 2.0	Ammonia-N	98.2	98.8	102			2.19
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	103	100	97.2			2.16
EPA 353.2 Rev. 2.0	NO2NO3-N	100	97.5	97.5			0.0
EPA 365.1 Rev. 2.0	Total-P	97.1	103	101			2.33
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.9	97.6	97.7			0.0980
EPA 8321B	Anatoxin-a	97.7	102	104			2.12
	Cylindrospermopsin	89.8	104	102			1.22
	Desmethyl microcystin LR	74.1	85.7	82.9			3.33
	Microcystin HILR	80.7	93.1	86.1			7.84
	Microcystin HtyR	85.6	96.0	93.9			2.28
	Microcystin LA	88.6	96.1	101			5.31
	Microcystin LF	87.1	100	101			0.168
	Microcystin LR	78.2	89.6	85.4			4.82
	Microcystin LW	86.8	98.4	104			5.65
	Microcystin LY	89.8	98.3	96.6			1.72
	Microcystin RR	94.8	103	104			1.08
	Microcystin WR	77.6	90.5	80.5			11.7
	Microcystin YR	89.3	94.7	92.4			2.52
	Neosaxitoxin	89.8	94.1	95.5			1.58
	Nodularin-R	90.3	96.0	99.5			3.65
	Saxitoxin	73.5	80.7	83.2			3.13

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2465207
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2465208
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2465208
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2465208
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2465208
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2465209
EPA 8321B	Microcystins in water matrices by HPLC/MS/MS	2465210
EPA 8321B	Saxitoxin in water matrices by HPLC/MS/MS	2465210

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	02/01/2024			02/01/2024 14:22	Anna M. Plaviak	2465207
EPA 350.1 Rev. 2.0	02/01/2024			02/07/2024 13:00	Khloe J Berg	2465208
EPA 351.2 Rev. 2.0	02/01/2024	02/09/2024 08:27	Simonne.V. Calhoun	02/09/2024 17:29	Samantha L Bates	2465208
EPA 353.2 Rev. 2.0	02/01/2024			02/05/2024 14:12	Fadila Guebre	2465208
EPA 365.1 Rev. 2.0	02/01/2024	02/06/2024 15:20	Simonne.V. Calhoun	02/07/2024 13:19	Simonne.V. Calhoun	2465208
EPA 365.1 Rev. 2.0 dissolved	02/01/2024			02/01/2024 15:00	Elise M. Gillis	2465209
EPA 8321B	02/01/2024	02/01/2024 11:00	Hana Lee	02/01/2024 13:35	Hana Lee	2465210
	02/01/2024	02/01/2024 12:00	Hana Lee	02/01/2024 19:07	Hana Lee	2465210