

Chemical Analysis Report

WQAP-2021-03-04-01

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

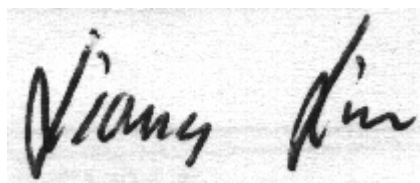
Event Description: **Algal Bloom Response - SWD**
Request ID: **RQ-2021-03-08-13**
Customer: **WQAP**
Project ID: **BLOOM-RESP**

Send Reports to:
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637
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Certified by: Liang Lin, Environmental Administrator

Date Certified: 23-MAR-2021 16:43

A handwritten signature in black ink, appearing to read "Liang Lin", 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 Buckeye @ Boat Ramp

Collection Date/Time: 03/03/2021 12:15

Field ID: HAB-CE-0060

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2228937	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P394465	
		Cylindrospermopsin	0.25	U	ug/L	P394465	
		Desmethyl microcystin LR	0.25	U	ug/L	P394465	
		Microcystin HIR**	0.25	U	ug/L	P394465	
		Microcystin HtyR**	0.25	U	ug/L	P394465	
		Microcystin LA	0.25	U	ug/L	P394465	
		Microcystin LF	0.25	U	ug/L	P394465	
		Microcystin LR	0.25	U	ug/L	P394465	
		Microcystin LW	0.25	U	ug/L	P394465	
		Microcystin LY	0.25	U	ug/L	P394465	
		Microcystin RR	0.25	U	ug/L	P394465	
		Microcystin WR	0.50	U	ug/L	P394465	
		Microcystin YR	0.25	U	ug/L	P394465	
2228939	EPA 350.1 Rev. 2.0	Ammonia-N	0.007		mg N/L	P394583	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.81		mg N/L	P394658	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P394618	
	EPA 365.1 Rev. 2.0	Total-P	0.025		mg P/L	P394550	
2228941	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P394491	

Sample Location: Lake Deer Western Shore

Collection Date/Time: 03/03/2021 11:40

Field ID: HAB-SW-0029

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2228938	EPA 8321B	Anatoxin-a	0.25	U	ug/L	P394465	
		Cylindrospermopsin	0.25	U	ug/L	P394465	
		Desmethyl microcystin LR	0.25	U	ug/L	P394465	
		Microcystin HIR**	0.25	U	ug/L	P394465	
		Microcystin HtyR**	0.25	U	ug/L	P394465	
		Microcystin LA	0.49	I	ug/L	P394465	
		Microcystin LF	0.25	U	ug/L	P394465	
		Microcystin LR	0.25	U	ug/L	P394465	
		Microcystin LW	0.25	U	ug/L	P394465	
		Microcystin LY	0.25	U	ug/L	P394465	
		Microcystin RR	0.25	U	ug/L	P394465	
		Microcystin WR	0.50	U	ug/L	P394465	
		Microcystin YR	0.25	U	ug/L	P394465	
2228940	EPA 350.1 Rev. 2.0	Ammonia-N	0.016		mg N/L	P394590	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P394658	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.026		mg N/L	P394618	
	EPA 365.1 Rev. 2.0	Total-P	0.030		mg P/L	P394550	
2228942	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.011		mg P/L	P394491	

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394583

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394590

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P394658

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P394618

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P394550

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P394491

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

Reference Method: EPA 8321B
Batch ID: P394465

Component	Result	Code	Units
Anatoxin-a	0.25	U	ug/L
Cylindrospermopsin	0.25	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	0.25	U	ug/L
Microcystin LF	0.25	U	ug/L
Microcystin LR	0.25	U	ug/L
Microcystin LW	0.25	U	ug/L
Microcystin LY	0.25	U	ug/L
Microcystin RR	0.25	U	ug/L
Microcystin WR	0.50	U	ug/L
Microcystin YR	0.25	U	ug/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394583

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P394590

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P394658

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P394618

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: P394550

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P394491

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	98.7		P	90 - 110

Reference Method: EPA 8321B
Batch ID: P394465

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Anatoxin-a	115		P	40 - 150
Cylindrospermopsin	113		P	40 - 150
Desmethyl microcystin LR	97.2		P	40 - 150
Microcystin H1LR	121		P	40 - 150
Microcystin HtyR	110		P	40 - 150
Microcystin LA	106		P	40 - 150
Microcystin LF	118		P	40 - 150
Microcystin LR	94.5		P	40 - 150
Microcystin LW	99.6		P	40 - 150
Microcystin LY	121		P	40 - 150
Microcystin RR	106		P	40 - 150
Microcystin WR	105		P	40 - 150
Microcystin YR	97.2		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P394583

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228939	Ammonia-N	95.2	98.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P394590

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228940	Ammonia-N	97.4	98.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P394658

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228874	Kjeldahl Nitrogen	106	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P394618

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228939	NO2NO3-N	99.6	99.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P394550

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228939	Total-P	108	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P394491

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228941	O-Phosphate-P	100	99.4	P/P	90 - 110

Reference Method: EPA 8321B

Batch ID: P394465

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2228937	Anatoxin-a	124	127	P/P	40 - 150
2228937	Cylindrospermopsin	119	120	P/P	40 - 150
2228937	Desmethyl microcystin LR	107	106	P/P	40 - 150
2228937	Microcystin HtLR	122	127	P/P	40 - 150
2228937	Microcystin HtyR	119	118	P/P	40 - 150
2228937	Microcystin LA	116	115	P/P	40 - 150
2228937	Microcystin LF	119	123	P/P	40 - 150
2228937	Microcystin LR	106	110	P/P	40 - 150
2228937	Microcystin LW	96.8	95.7	P/P	40 - 150
2228937	Microcystin LY	121	126	P/P	40 - 150
2228937	Microcystin RR	112	110	P/P	40 - 150
2228937	Microcystin WR	114	122	P/P	40 - 150
2228937	Microcystin YR	106	112	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P394583

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228939	Ammonia-N	2.88	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P394590

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228940	Ammonia-N	0.462	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P394658

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228874	Kjeldahl Nitrogen	1.23	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P394618

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228939	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P394550

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228939	Total-P	0.132	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P394491

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228941	O-Phosphate-P	0.901	Spike	P	0 - 20

Reference Method: EPA 8321B

Batch ID: P394465

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228937	Anatoxin-a	1.93	Spike	P	0 - 30
2228937	Cylindrospermopsin	1.12	Spike	P	0 - 30
2228937	Desmethyl microcystin LR	0.707	Spike	P	0 - 30
2228937	Microcystin HtLR	3.66	Spike	P	0 - 30
2228937	Microcystin HtyR	0.355	Spike	P	0 - 30
2228937	Microcystin LA	0.286	Spike	P	0 - 30
2228937	Microcystin LF	3.50	Spike	P	0 - 30
2228937	Microcystin LR	3.27	Spike	P	0 - 30
2228937	Microcystin LW	1.14	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P394465

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2228937	Microcystin LY	3.83	Spike	P	0 - 30
2228937	Microcystin RR	1.89	Spike	P	0 - 30
2228937	Microcystin WR	6.52	Spike	P	0 - 30
2228937	Microcystin YR	5.65	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2228937
Field Sample ID: HAB-CE-0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR-d7	87.6	P	30 - 160
EPA 8321B	Microcystin LR ethyl-d5	72.6	P	30 - 160

Lab Sample ID: 2228938
Field Sample ID: HAB-SW-0029

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Microcystin LR-d7	108	P	30 - 160
EPA 8321B	Microcystin LR ethyl-d5	90.8	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A103887

Included Lab Sample IDs: 2228937, 2228938

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Anatoxin-a	110	129	P/P	50 - 160
Cylindrospermopsin	123	128	P/P	60 - 160
Desmethyl microcystin LR	105	110	P/P	60 - 160
Microcystin H1R	122	130	P/P	60 - 160
Microcystin HtyR	115	122	P/P	60 - 160
Microcystin LA	114	122	P/P	50 - 160
Microcystin LF	127	132	P/P	50 - 160
Microcystin LR	107	112	P/P	60 - 160
Microcystin LW	111	104	P/P	60 - 160
Microcystin LY	128	133	P/P	60 - 160
Microcystin RR	113	118	P/P	60 - 160
Microcystin WR	121	127	P/P	60 - 160
Microcystin YR	116	114	P/P	60 - 160

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A103892

Included Lab Sample IDs: 2228941, 2228942

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A103921

Included Lab Sample IDs: 2228939

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.2	98.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A103925

Included Lab Sample IDs: 2228940

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.1	98.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A103943

Included Lab Sample IDs: 2228939, 2228940

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A103950

Included Lab Sample IDs: 2228939, 2228940

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.8	98.0	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A104011

Included Lab Sample IDs: 2228939, 2228940

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	103	103	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	99.4	95.2	98.4			2.88
	Ammonia-N	97.4	97.4	98.0			0.462
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104	106	107			1.23
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	100	99.6	99.6			0.0
EPA 365.1 Rev. 2.0	Total-P	105	108	108			0.132
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.7	100	99.4			0.901
EPA 8321B	Anatoxin-a	115	124	127			1.93
	Cylindrospermopsin	113	119	120			1.12
	Desmethyl microcystin LR	97.2	107	106			0.707
	Microcystin HiLR	121	122	127			3.66
	Microcystin HtyR	110	119	118			0.355
	Microcystin LA	106	116	115			0.286
	Microcystin LF	118	119	123			3.50
	Microcystin LR	94.5	106	110			3.27
	Microcystin LW	99.6	96.8	95.7			1.14
	Microcystin LY	121	121	126			3.83
	Microcystin RR	106	112	110			1.89
	Microcystin WR	105	114	122			6.52
	Microcystin YR	97.2	106	112			5.65

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2228939, 2228940
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2228939, 2228940
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2228939, 2228940
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2228939, 2228940
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2228941, 2228942
EPA 8321B	Microcystins in water matrices by HPLC/MS/MS	2228937, 2228938

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	03/04/2021			03/05/2021 17:06	Ping Hua	2228939
	03/04/2021			03/07/2021 13:15	Ping Hua	2228940
EPA 351.2 Rev. 2.0	03/04/2021	03/09/2021 12:41	Benjamin T. Nordmann	03/11/2021 11:24	Virginia P. Brown	2228939
	03/04/2021	03/09/2021 12:41	Benjamin T. Nordmann	03/11/2021 11:25	Virginia P. Brown	2228940
EPA 353.2 Rev. 2.0	03/04/2021			03/08/2021 10:30	Beverly Y. Sanders	2228939
	03/04/2021			03/08/2021 10:39	Beverly Y. Sanders	2228940
EPA 365.1 Rev. 2.0	03/04/2021	03/05/2021 13:30	Lipi Saha	03/08/2021 14:35	Shengyu Ding	2228939
	03/04/2021	03/05/2021 13:30	Lipi Saha	03/08/2021 14:36	Shengyu Ding	2228940
EPA 365.1 Rev. 2.0 dissolved	03/04/2021			03/04/2021 14:51	Blanca Fach	2228941
	03/04/2021			03/04/2021 14:54	Blanca Fach	2228942
EPA 8321B	03/04/2021	03/04/2021 11:40	Pramila Ghimire	03/04/2021 13:31	Pramila Ghimire	2228937
	03/04/2021	03/04/2021 11:40	Pramila Ghimire	03/04/2021 13:47	Pramila Ghimire	2228938