

Chemical Analysis Report

SO-DIST-2024-04-09-03

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

Event Description: **SCCF ALGAL DYNAMICS STUDY**
Request ID: **RQ-2024-03-04-24**
Customer: **SO-DIST**
Project ID: **DISCRTNARY**

Send Reports to:
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FLDEP South District Office
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Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator

Date Certified: 06-MAY-2024 17:23



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 group are included in this report: Nutrients.

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: 26.71393. -81.56266

Collection Date/Time: 04/08/2024 08:55

Field ID: CLEW04

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480951	EPA 350.1 Rev. 2.0	Ammonia-N	0.007		mg N/L	P444194	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.5		mg N/L	P444206	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.013		mg N/L	P444217	
	EPA 365.1 Rev. 2.0	Total-P	0.062		mg P/L	P444168	
2480956	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.008		mg N/L	P444194	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.91		mg N/L	P444206	
2480961	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P444005	

Sample Location: 26.69315,81.79630

Collection Date/Time: 04/08/2024 12:30

Field ID: ORANGE

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480952	EPA 350.1 Rev. 2.0	Ammonia-N	0.008		mg N/L	P444194	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.4		mg N/L	P444206	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.059		mg N/L	P444217	
	EPA 365.1 Rev. 2.0	Total-P	0.080		mg P/L	P444169	
2480957	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.008		mg N/L	P444194	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.95		mg N/L	P444206	
2480962	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.013		mg P/L	P444005	

Sample Location: 26.70324,81.80525

Collection Date/Time: 04/08/2024 13:00

Field ID: POPASH

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480953	EPA 350.1 Rev. 2.0	Ammonia-N	0.008		mg N/L	P444194	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.3		mg N/L	P444206	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.043		mg N/L	P444217	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P444169	
2480958	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.009		mg N/L	P444194	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	1.0		mg N/L	P444206	
2480963	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.031		mg P/L	P444006	

Sample Location: 26.65737,81.89425

Collection Date/Time: 04/08/2024 13:50

Field ID: HANCOCK

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480954	EPA 350.1 Rev. 2.0	Ammonia-N	0.009	J	mg N/L	P444194	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.5		mg N/L	P444593	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.082		mg N/L	P444217	
	EPA 365.1 Rev. 2.0	Total-P	0.089		mg P/L	P444169	
2480959	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.008		mg N/L	P444194	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.88		mg N/L	P444593	
2480964	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	I	mg P/L	P444006	

Ref. Method and Comment:
EPA 351.2 Rev. 2.0: The sample appears to be heterogeneous with respect to Total Kjeldahl Nitrogen analysis.

Sample Location: 26.64467,-81.87899

Collection Date/Time: 04/08/2024 14:30

Field ID: CLEW07

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480955	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P444195	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	2.0		mg N/L	P444207	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.060		mg N/L	P445265	
	EPA 365.1 Rev. 2.0	Total-P	0.050		mg P/L	P444164	
2480960	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.007		mg N/L	P444195	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	1.0		mg N/L	P444207	
2480965	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P444006	

Sample Location: 26.57761,-81.89881

Collection Date/Time: 04/08/2024 10:35

Field ID: WHISKEY

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480966	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P444195	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.9		mg N/L	P444207	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P445265	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P444164	
2480970	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.007		mg N/L	P444195	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.87		mg N/L	P444207	
2480974	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P444006	

Sample Location: 26.54335,-81.94011

Collection Date/Time: 04/08/2024 11:03

Field ID: CLEW09

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480967	EPA 350.1 Rev. 2.0	Ammonia-N	0.008		mg N/L	P444195	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.6		mg N/L	P444145	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.021		mg N/L	P445019	
	EPA 365.1 Rev. 2.0	Total-P	0.072		mg P/L	P444164	
2480971	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.006		mg N/L	P444195	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.91		mg N/L	P444145	
2480975	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P444006	

Sample Location: 26.52328,-8200864

Collection Date/Time: 04/08/2024 11:50

Field ID: CLEW10

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480968	EPA 350.1 Rev. 2.0	Ammonia-N	0.012		mg N/L	P444195	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.83		mg N/L	P444145	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.008	I	mg N/L	P444301	
	EPA 365.1 Rev. 2.0	Total-P	0.048		mg P/L	P444164	
2480972	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.005		mg N/L	P444195	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.51		mg N/L	P444145	
2480976	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	I	mg P/L	P444006	

Sample Location: 26.47219,-82.01621

Collection Date/Time: 04/08/2024 12:29

Field ID: CLEW11

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2480969	EPA 350.1 Rev. 2.0	Ammonia-N	0.008		mg N/L	P444195	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.44		mg N/L	P444145	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.006	I	mg N/L	P444301	
	EPA 365.1 Rev. 2.0	Total-P	0.043		mg P/L	P444164	
2480973	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.006		mg N/L	P444195	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.34	I	mg N/L	P444145	
2480977	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.012		mg P/L	P444006	

Quality Assurance Report

Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444194

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444195

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

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444194

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

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444195

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444145

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444206

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444207

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444593

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444145

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444206

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444207

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444593

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444217

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444301

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445019

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445265

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444164

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444168

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444169

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444005

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444006

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444194

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.0		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444195

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

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444194

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.0		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444195

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444145

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	93.1		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444206

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444207

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444593

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	102		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444145

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	93.1		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444206

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444207

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444593

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	102		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444217

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444301

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445019

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	98.5		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445265

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: P444164

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444168

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444169

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444005

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444006

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444194

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480951	Ammonia-N	96.0	96.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444195

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480973	Ammonia-N	103	101	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444194

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480951	Ammonia-N	96.0	96.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444195

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480973	Ammonia-N	103	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444145

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481124	Kjeldahl Nitrogen	99.0	98.3	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444206

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481000	Kjeldahl Nitrogen	105	98.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444207

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480970	Kjeldahl Nitrogen	98.1	95.3	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444593

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483460	Kjeldahl Nitrogen	103	99.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444145

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481124	Kjeldahl Nitrogen	99.0	98.3	P/P	90 - 110

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444206

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481000	Kjeldahl Nitrogen	105	98.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444207

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480970	Kjeldahl Nitrogen	98.1	95.3	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444593

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483460	Kjeldahl Nitrogen	103	99.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444217

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480912	NO2NO3-N	97.5	98.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444301

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481739	NO2NO3-N	101	90.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445019

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2483653	NO2NO3-N	99.0	99.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445265

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2486002	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444164

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480893	Total-P	95.6	96.4	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444168

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480873	Total-P	100	101	P/P	90 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444169

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480999	Total-P	102	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444005

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480643	O-Phosphate-P	96.5	97.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444006

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480977	O-Phosphate-P	97.5	97.5	P/P	90 - 110

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444194

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480951	Ammonia-N	0.181	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444195

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480973	Ammonia-N	1.91	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444194

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480951	Ammonia-N	0.181	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P444195

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480973	Ammonia-N	1.91	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444145

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481124	Kjeldahl Nitrogen	0.675	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444206

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481000	Kjeldahl Nitrogen	4.48	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444207

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480970	Kjeldahl Nitrogen	2.33	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444593

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483460	Kjeldahl Nitrogen	2.44	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444145

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481124	Kjeldahl Nitrogen	0.675	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444206

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481000	Kjeldahl Nitrogen	4.48	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444207

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480970	Kjeldahl Nitrogen	2.33	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P444593

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483460	Kjeldahl Nitrogen	2.44	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444217

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480912	NO2NO3-N	1.02	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444301

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481739	NO2NO3-N	10.5	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445019

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2483653	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445265

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2486002	NO2NO3-N	0.980	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444164

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480893	Total-P	0.859	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444168

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480873	Total-P	0.699	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444169

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480999	Total-P	0.0426	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444005

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480643	O-Phosphate-P	0.620	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444006

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480977	O-Phosphate-P	0.0	Spike	P	0 - 20

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A125238

Included Lab Sample IDs: 2480961, 2480962, 2480963, 2480964, 2480965, 2480974, 2480975, 2480976, 2480977

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	98.3	98.8	P/P	90 - 110
O-Phosphate-P	98.8	98.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A125310

Included Lab Sample IDs: 2480951, 2480952, 2480953, 2480954, 2480955, 2480966, 2480967, 2480968, 2480969

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	101	101	P/P	90 - 110
Ammonia-N	98.9	104	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved

Run ID: A125310

Included Lab Sample IDs: 2480956, 2480957, 2480958, 2480959, 2480960, 2480970, 2480971, 2480972, 2480973

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	101	101	P/P	90 - 110
Ammonia-N	98.9	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A125314

Included Lab Sample IDs: 2480951, 2480952, 2480953, 2480954, 2480966

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A125315

Included Lab Sample IDs: 2480955, 2480967, 2480968, 2480969

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.8	99.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A125318

Included Lab Sample IDs: 2480951, 2480952, 2480953, 2480954

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A125325

Included Lab Sample IDs: 2480967, 2480968, 2480969

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.4	95.3	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Run ID: A125325
Included Lab Sample IDs: 2480971, 2480972, 2480973

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.3	96.7	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125335
Included Lab Sample IDs: 2480968, 2480969

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125341
Included Lab Sample IDs: 2480955, 2480966

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.9	96.5	P/P	90 - 110
Kjeldahl Nitrogen	98.1	97.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Run ID: A125341
Included Lab Sample IDs: 2480960, 2480970

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.9	96.5	P/P	90 - 110
Kjeldahl Nitrogen	98.1	97.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125378
Included Lab Sample IDs: 2480951, 2480952, 2480953

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Run ID: A125378
Included Lab Sample IDs: 2480956, 2480957, 2480958

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125490
Included Lab Sample IDs: 2480954

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	109	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Run ID: A125490
Included Lab Sample IDs: 2480959

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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Quality Assurance Report
Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Run ID: A125490
Included Lab Sample IDs: 2480959

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	109	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125604
Included Lab Sample IDs: 2480967

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125687
Included Lab Sample IDs: 2480955, 2480966

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	104	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	97.0	96.0	96.2			0.181
	Ammonia-N	98.4	103	101			1.91
EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	97.0	96.0	96.2			0.181
	Ammonia-N	98.4	103	101			1.91
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	93.1	99.0	98.3			0.675
	Kjeldahl Nitrogen	106	105	98.9			4.48
	Kjeldahl Nitrogen	97.8	98.1	95.3			2.33
	Kjeldahl Nitrogen	102	103	99.2			2.44
EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	93.1	99.0	98.3			0.675
	Kjeldahl Nitrogen	106	105	98.9			4.48
	Kjeldahl Nitrogen	97.8	98.1	95.3			2.33
	Kjeldahl Nitrogen	102	103	99.2			2.44
EPA 353.2 Rev. 2.0	NO2NO3-N	99.5	97.5	98.5			1.02
	NO2NO3-N	101	101	90.8			10.5
	NO2NO3-N	98.5	99.0	99.0			0.0
	NO2NO3-N	101	102	102			0.980
EPA 365.1 Rev. 2.0	Total-P	102	95.6	96.4			0.859
	Total-P	102	100	101			0.699
	Total-P	100	102	102			0.0426
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	101	96.5	97.1			0.620
	O-Phosphate-P	100	97.5	97.5			0.0

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2480951, 2480952, 2480953, 2480954, 2480955, 2480966, 2480967, 2480968, 2480969
EPA 350.1 Rev. 2.0 dissolved	Ammonia, dissolved, in filtered, aqueous matrices as mg N/L	2480956, 2480957, 2480958, 2480959, 2480960, 2480970, 2480971, 2480972, 2480973
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2480951, 2480952, 2480953, 2480954, 2480955, 2480966, 2480967, 2480968, 2480969
EPA 351.2 Rev. 2.0 dissolved	Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices	2480956, 2480957, 2480958, 2480959, 2480960, 2480970, 2480971, 2480972, 2480973
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2480951, 2480952, 2480953, 2480954, 2480955, 2480966, 2480967, 2480968, 2480969
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2480951, 2480952, 2480953, 2480954, 2480955, 2480966, 2480967, 2480968, 2480969
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2480961, 2480962, 2480963, 2480964, 2480965, 2480974, 2480975, 2480976, 2480977

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	04/09/2024			04/12/2024 12:33	Kenneth H Lee	2480951
	04/09/2024			04/12/2024 12:38	Kenneth H Lee	2480952
	04/09/2024			04/12/2024 12:41	Kenneth H Lee	2480953
	04/09/2024			04/12/2024 12:44	Kenneth H Lee	2480954
	04/09/2024			04/12/2024 14:58	Kenneth H Lee	2480969
	04/09/2024			04/12/2024 15:00	Kenneth H Lee	2480955
	04/09/2024			04/12/2024 15:02	Kenneth H Lee	2480966
	04/09/2024			04/12/2024 15:05	Kenneth H Lee	2480967
	04/09/2024			04/12/2024 15:08	Kenneth H Lee	2480968
	04/09/2024			04/12/2024 15:08	Kenneth H Lee	2480968
EPA 350.1 Rev. 2.0 dissolved	04/09/2024			04/12/2024 12:37	Kenneth H Lee	2480956
	04/09/2024			04/12/2024 12:40	Kenneth H Lee	2480957
	04/09/2024			04/12/2024 12:42	Kenneth H Lee	2480958
	04/09/2024			04/12/2024 12:45	Kenneth H Lee	2480959
	04/09/2024			04/12/2024 14:54	Kenneth H Lee	2480973
	04/09/2024			04/12/2024 15:01	Kenneth H Lee	2480960
	04/09/2024			04/12/2024 15:04	Kenneth H Lee	2480970
	04/09/2024			04/12/2024 15:06	Kenneth H Lee	2480971
	04/09/2024			04/12/2024 15:09	Kenneth H Lee	2480972
	04/09/2024			04/12/2024 15:09	Kenneth H Lee	2480972
EPA 351.2 Rev. 2.0	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:08	Robyn Blevins	2480967
	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:10	Robyn Blevins	2480968
	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:11	Robyn Blevins	2480969
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/16/2024 16:21	Robyn Blevins	2480955
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/16/2024 16:27	Robyn Blevins	2480966
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:21	Ping Hua	2480951
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:22	Ping Hua	2480952
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:24	Ping Hua	2480953
	04/09/2024	04/22/2024 11:55	Simonne.V. Calhoun	04/24/2024 12:07	Robyn Blevins	2480954
	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:16	Robyn Blevins	2480971
EPA 351.2 Rev. 2.0 dissolved	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:18	Robyn Blevins	2480972
	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:19	Robyn Blevins	2480973
	04/09/2024	04/12/2024 07:57	Simonne.V. Calhoun	04/15/2024 13:19	Robyn Blevins	2480973
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/16/2024 16:22	Robyn Blevins	2480960
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/16/2024 16:29	Robyn Blevins	2480970
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:27	Ping Hua	2480956
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:29	Ping Hua	2480957
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:31	Ping Hua	2480958
	04/09/2024	04/15/2024 12:33	Simonne.V. Calhoun	04/17/2024 19:31	Ping Hua	2480958
	04/09/2024	04/22/2024 11:55	Simonne.V. Calhoun	04/24/2024 12:11	Robyn Blevins	2480959
EPA 353.2 Rev. 2.0	04/09/2024			04/12/2024 14:39	Fadila Guebre	2480951
	04/09/2024			04/12/2024 14:40	Fadila Guebre	2480952
	04/09/2024			04/12/2024 14:42	Fadila Guebre	2480953
	04/09/2024			04/12/2024 14:43	Fadila Guebre	2480954

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 353.2 Rev. 2.0	04/09/2024			04/15/2024 15:38	Fadila Guebre	2480968
	04/09/2024			04/15/2024 15:39	Fadila Guebre	2480969
	04/09/2024			04/29/2024 16:34	Fadila Guebre	2480967
	04/09/2024			05/03/2024 16:57	Fadila Guebre	2480955
	04/09/2024			05/03/2024 16:58	Fadila Guebre	2480966
EPA 365.1 Rev. 2.0	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 13:26	James L Waggeberby	2480966
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 13:43	James L Waggeberby	2480951
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 13:50	James L Waggeberby	2480952
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 13:51	James L Waggeberby	2480953
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 13:52	James L Waggeberby	2480954
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 14:05	James L Waggeberby	2480955
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 14:06	James L Waggeberby	2480967
	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 14:07	James L Waggeberby	2480968
EPA 365.1 Rev. 2.0 dissolved	04/09/2024	04/12/2024 13:45	Josephine W Gitau	04/13/2024 14:08	James L Waggeberby	2480969
	04/09/2024			04/09/2024 14:51	Elise M. Gillis	2480961
	04/09/2024			04/09/2024 14:52	Elise M. Gillis	2480962
	04/09/2024			04/09/2024 14:57	Elise M. Gillis	2480977
	04/09/2024			04/09/2024 15:03	Elise M. Gillis	2480963
	04/09/2024			04/09/2024 15:04	Elise M. Gillis	2480964
	04/09/2024			04/09/2024 15:05	Elise M. Gillis	2480965
	04/09/2024			04/09/2024 15:06	Elise M. Gillis	2480974
	04/09/2024			04/09/2024 15:07	Elise M. Gillis	2480975
	04/09/2024			04/09/2024 15:08	Elise M. Gillis	2480976