

Chemical Analysis Report

SO-DIST-2024-05-07-03

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

Event Description: **SCCF ALGAL DYNAMICS STUDY**
Request ID: **RQ-2024-04-01-11**
Customer: **SO-DIST**
Project ID: **DISCRTNARY**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
Attn: Nicole Reistad

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
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Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Marek Topolski, Environmental Administrator

Date Certified: 10-JUN-2024 11:37



NON-CONFORMANCE REPORT INCLUDED

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: 05/06/2024 08:15

Field ID: CLEW04

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487379	EPA 350.1 Rev. 2.0	Ammonia-N	0.049	Y	mg N/L	P445730	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.3		mg N/L	P445406	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.052	Y	mg N/L	P445743	
	EPA 365.1 Rev. 2.0	Total-P	0.063	Y	mg P/L	P445650	
2487384	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.050	Y	mg N/L	P445780	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	1.1		mg N/L	P445406	
2487389	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.012		mg P/L	P445342	

Ref. Method and Comment:

EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.70324, 81.80525

Collection Date/Time: 05/06/2024 10:55

Field ID: POPASH

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487381	EPA 350.1 Rev. 2.0	Ammonia-N	0.014	Y	mg N/L	P445732	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P445406	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.023	Y	mg N/L	P445744	
	EPA 365.1 Rev. 2.0	Total-P	0.11	Y	mg P/L	P445650	
2487386	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.012	Y	mg N/L	P445780	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.91		mg N/L	P445406	
2487391	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.044		mg P/L	P445342	

Ref. Method and Comment:
EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.65737, 81.89425

Collection Date/Time: 05/06/2024 11:45

Field ID: HANCOCK

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487382	EPA 350.1 Rev. 2.0	Ammonia-N	0.026	Y	mg N/L	P445731	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.99		mg N/L	P445407	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.029	Y	mg N/L	P445695	
	EPA 365.1 Rev. 2.0	Total-P	0.095	J	mg P/L	P445467	
2487387	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.026	Y	mg N/L	P445781	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.91	Y	mg N/L	P445850	
2487392	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.047		mg P/L	P445343	

Ref. Method and Comment:
EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 365.1 Rev. 2.0: Total-P: Standards expired prior to analysis.
EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 351.2 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.64467,-81.87899

Collection Date/Time: 05/06/2024 12:05

Field ID: CLEW07

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487383	EPA 350.1 Rev. 2.0	Ammonia-N	0.021	Y	mg N/L	P445731	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P445407	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.041	Y	mg N/L	P445695	
	EPA 365.1 Rev. 2.0	Total-P	0.081	Y	mg P/L	P445648	
2487388	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.019	Y	mg N/L	P445781	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.94		mg N/L	P445407	
2487393	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.041		mg P/L	P445343	

Ref. Method and Comment:

EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.57761, -8189881

Collection Date/Time: 05/06/2024 10:25

Field ID: WHISKEY

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487394	EPA 350.1 Rev. 2.0	Ammonia-N	0.078	Y	mg N/L	P445731	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P445407	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.023	Y	mg N/L	P445695	
	EPA 365.1 Rev. 2.0	Total-P	0.10	Y	mg P/L	P445648	
2487398	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.077	Y	mg N/L	P445781	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.85		mg N/L	P445407	
2487402	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.053		mg P/L	P445343	

Ref. Method and Comment:
EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.54335, -81.94011

Collection Date/Time: 05/06/2024 11:03

Field ID: CLEW09

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487395	EPA 350.1 Rev. 2.0	Ammonia-N	0.015	Y	mg N/L	P445782	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.78		mg N/L	P445407	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.011	Y	mg N/L	P445695	
	EPA 365.1 Rev. 2.0	Total-P	0.054	Y	mg P/L	P445648	
2487399	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.013	Y	mg N/L	P445781	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.88		mg N/L	P445407	
2487403	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.024		mg P/L	P445343	

Ref. Method and Comment:
EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.
EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.52328, -82.00864

Collection Date/Time: 05/06/2024 11:26

Field ID: CLEW10

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487396	EPA 350.1 Rev. 2.0	Ammonia-N	0.014	Y	mg N/L	P445782	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.53	J	mg N/L	P445407	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I Y	mg N/L	P445695	
	EPA 365.1 Rev. 2.0	Total-P	0.038	Y	mg P/L	P445648	
2487400	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.011	Y	mg N/L	P445781	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.47		mg N/L	P445407	
2487404	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.016		mg P/L	P445343	

Ref. Method and Comment:

EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

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

EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Sample Location: 26.47219, -82.01621

Collection Date/Time: 05/06/2024 11:53

Field ID: CLEW11

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2487397	EPA 350.1 Rev. 2.0	Ammonia-N	0.005	Y	mg N/L	P445782	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.38	IY	mg N/L	P445794	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	UY	mg N/L	P445695	
	EPA 365.1 Rev. 2.0	Total-P	0.029	Y	mg P/L	P445648	
2487401	EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	0.005	IY	mg N/L	P445781	
	EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	0.34	IY	mg N/L	P445794	
2487405	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.006	I	mg P/L	P445343	

Ref. Method and Comment:

EPA 350.1 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 351.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 353.2 Rev. 2.0: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 365.1 Rev. 2.0: Total-P: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 350.1 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

EPA 351.2 Rev. 2.0 dissolved: Sample was stored at room temperature for multiple days because of a power failure at the laboratory.

Non-Conformance Report

NCR ID: 10462

Event(s)

SO-DIST-2024-05-07-03

Job(s)

TLH-2024-05-07-87

Sample(s)

Test(s)

NCR Type: CUSTODY

NCR Category: General

Observation: Due to power outages caused by storm damages on 05/10/2024, samples exceeded maximum allowable temperature.

Resolution: Data will be qualified as appropriate.

Authorized by/Date: Sarah A Nixon 5/30/2024

The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.
Please address questions to:

Chemistry	Colin Wright	(850) 245-8085
Biology	Cheryl Swanson	(850) 245-8177

Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445730

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445731

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445732

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445782

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

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445780

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

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445781

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445406

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445407

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445794

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: P445406

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445407

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445794

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445850

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445695

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445743

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445744

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445467

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445648

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: P445650

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445342

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445343

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: P445730

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	94.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445731

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	93.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445732

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445782

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

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445780

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445781

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445406

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445407

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445794

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	96.8		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445406

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

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445407

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: P445794

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	96.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445850

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: P445695

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445743

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445744

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445467

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	96.3		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445648

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445650

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445342

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: P445343

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

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445730

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487153	Ammonia-N	96.8	96.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445731

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487297	Ammonia-N	97.8	99.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445732

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487381	Ammonia-N	93.8	96.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445782

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487395	Ammonia-N	95.2	97.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445780

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487385	Ammonia-N	95.6	97.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445781

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487387	Ammonia-N	95.8	98.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445406

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487245	Kjeldahl Nitrogen	99.0	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445407

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487395	Kjeldahl Nitrogen	103	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445794

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487744	Kjeldahl Nitrogen	97.5	97.0	P/P	90 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445406

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487245	Kjeldahl Nitrogen	99.0	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445407

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487395	Kjeldahl Nitrogen	103	105	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445794

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487744	Kjeldahl Nitrogen	97.5	97.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445850

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489723	Kjeldahl Nitrogen	105	100	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445695

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487382	NO2NO3-N	98.1	98.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445743

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2486661	NO2NO3-N	96.0	97.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445744

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487151	NO2NO3-N	97.6	97.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445467

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487382	Total-P	99.6	94.3	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445648

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487397	Total-P	94.9	94.9	P/P	90 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445650

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2486451	Total-P	103	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445342

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487390	O-Phosphate-P	96.2	97.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445343

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487404	O-Phosphate-P	98.0	97.9	P/P	90 - 110

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445730

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487153	Ammonia-N	0.0	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445731

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487297	Ammonia-N	1.16	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445732

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487381	Ammonia-N	2.44	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445782

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487395	Ammonia-N	1.91	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445780

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487385	Ammonia-N	1.75	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0 dissolved
Batch ID: P445781

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487387	Ammonia-N	1.48	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445406

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487245	Kjeldahl Nitrogen	1.42	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445407

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487395	Kjeldahl Nitrogen	1.07	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445794

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487744	Kjeldahl Nitrogen	0.501	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445406

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487245	Kjeldahl Nitrogen	1.42	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445407

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487395	Kjeldahl Nitrogen	1.07	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445794

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487744	Kjeldahl Nitrogen	0.501	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0 dissolved
Batch ID: P445850

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489723	Kjeldahl Nitrogen	3.46	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445695

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487382	NO2NO3-N	0.443	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445743

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2486661	NO2NO3-N	1.16	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P445744

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487151	NO2NO3-N	0.434	Spike	P	0 - 20

Quality Assurance Report

Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445467

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487382	Total-P	4.88	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445648

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487397	Total-P	0.0263	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445650

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2486451	Total-P	1.02	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445342

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487390	O-Phosphate-P	0.778	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P445343

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487404	O-Phosphate-P	0.0874	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: A125723

Included Lab Sample IDs: 2487389, 2487390, 2487391, 2487392, 2487393, 2487402, 2487403, 2487404, 2487405

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	101	P/P	90 - 110
O-Phosphate-P	100	99.6	P/P	90 - 110
O-Phosphate-P	99.6	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A125846

Included Lab Sample IDs: 2487382

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A125866

Included Lab Sample IDs: 2487379, 2487380, 2487381

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A125873

Included Lab Sample IDs: 2487382, 2487383, 2487394, 2487395, 2487396, 2487397

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A125875

Included Lab Sample IDs: 2487379, 2487380, 2487381, 2487382, 2487383, 2487394, 2487395, 2487396

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	108	101	P/P	90 - 110
Kjeldahl Nitrogen	98.4	108	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved

Run ID: A125875

Included Lab Sample IDs: 2487384, 2487385, 2487386, 2487388, 2487398, 2487399, 2487400

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	108	101	P/P	90 - 110
Kjeldahl Nitrogen	98.4	108	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A125888

Included Lab Sample IDs: 2487379, 2487380, 2487381, 2487382, 2487383, 2487394

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	100	101	P/P	90 - 110
Ammonia-N	101	101	P/P	90 - 110
Ammonia-N	101	97.5	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A125890

Included Lab Sample IDs: 2487383, 2487394, 2487395, 2487396, 2487397

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	95.8	95.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A125892

Included Lab Sample IDs: 2487379, 2487380, 2487381

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A125899

Included Lab Sample IDs: 2487395, 2487396, 2487397

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.7	99.7	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0 dissolved

Run ID: A125899

Included Lab Sample IDs: 2487384, 2487385, 2487386, 2487387, 2487388, 2487398, 2487399, 2487400, 2487401

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.9	99.7	P/P	90 - 110
Ammonia-N	99.2	98.9	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A125939

Included Lab Sample IDs: 2487397

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	94.4	95.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved

Run ID: A125939

Included Lab Sample IDs: 2487401

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	94.4	95.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0 dissolved

Run ID: A125943

Included Lab Sample IDs: 2487387

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	106	98.9	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	MS
EPA 350.1 Rev. 2.0	Ammonia-N	94.4	96.8	96.8		0.0
	Ammonia-N	93.4	97.8	99.2		1.16
	Ammonia-N	95.2	93.8	96.8		2.44
	Ammonia-N	96.2	95.2	97.6		1.91
EPA 350.1 Rev. 2.0 dissolved	Ammonia-N	95.8	95.6	97.8		1.75
	Ammonia-N	96.0	95.8	98.0		1.48
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104	99.0	101		1.42
	Kjeldahl Nitrogen	102	103	105		1.07
	Kjeldahl Nitrogen	96.8	97.5	97.0		0.501
EPA 351.2 Rev. 2.0 dissolved	Kjeldahl Nitrogen	104	99.0	101		1.42
	Kjeldahl Nitrogen	102	103	105		1.07
	Kjeldahl Nitrogen	96.8	97.5	97.0		0.501
	Kjeldahl Nitrogen	104	105	100		3.46
EPA 353.2 Rev. 2.0	NO2NO3-N	100	98.1	98.6		0.443
	NO2NO3-N	100	96.0	97.4		1.16
	NO2NO3-N	99.5	97.6	97.2		0.434
EPA 365.1 Rev. 2.0	Total-P	96.3	99.6	94.3		4.88
	Total-P	100	94.9	94.9		0.0263
	Total-P	99.0	103	102		1.02
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	101	96.2	97.1		0.778
	O-Phosphate-P	103	98.0	97.9		0.0874

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2487379, 2487380, 2487381, 2487382, 2487383, 2487394, 2487395, 2487396, 2487397
EPA 350.1 Rev. 2.0 dissolved	Ammonia, dissolved, in filtered, aqueous matrices as mg N/L	2487384, 2487385, 2487386, 2487387, 2487388, 2487398, 2487399, 2487400, 2487401
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2487379, 2487380, 2487381, 2487382, 2487383, 2487394, 2487395, 2487396, 2487397
EPA 351.2 Rev. 2.0 dissolved	Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices	2487384, 2487385, 2487386, 2487387, 2487388, 2487398, 2487399, 2487400, 2487401
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2487379, 2487380, 2487381, 2487382, 2487383, 2487394, 2487395, 2487396, 2487397
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2487379, 2487380, 2487381, 2487382, 2487383, 2487394, 2487395, 2487396, 2487397
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2487389, 2487390, 2487391, 2487392, 2487393, 2487402, 2487403, 2487404, 2487405

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	05/07/2024			05/28/2024 12:59	Khloe J Berg	2487379
	05/07/2024			05/28/2024 13:01	Khloe J Berg	2487380
	05/07/2024			05/28/2024 13:25	Khloe J Berg	2487382
	05/07/2024			05/28/2024 13:26	Khloe J Berg	2487383
	05/07/2024			05/28/2024 13:27	Khloe J Berg	2487394
	05/07/2024			05/28/2024 13:39	Khloe J Berg	2487381
	05/07/2024			05/29/2024 12:43	Khloe J Berg	2487395
	05/07/2024			05/29/2024 12:53	Khloe J Berg	2487396
	05/07/2024			05/29/2024 12:54	Khloe J Berg	2487397
	EPA 350.1 Rev. 2.0 dissolved			05/29/2024 11:50	Khloe J Berg	2487384
	05/07/2024			05/29/2024 11:54	Khloe J Berg	2487385
	05/07/2024			05/29/2024 11:55	Khloe J Berg	2487386
	05/07/2024			05/29/2024 12:17	Khloe J Berg	2487387
	05/07/2024			05/29/2024 12:21	Khloe J Berg	2487388
EPA 351.2 Rev. 2.0	05/07/2024			05/29/2024 12:22	Khloe J Berg	2487398
	05/07/2024			05/29/2024 12:23	Khloe J Berg	2487399
	05/07/2024			05/29/2024 12:25	Khloe J Berg	2487400
	05/07/2024			05/29/2024 12:26	Khloe J Berg	2487401
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:27	Robyn Blevins	2487379
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:29	Robyn Blevins	2487380
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:30	Robyn Blevins	2487381
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:40	Robyn Blevins	2487382
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:41	Robyn Blevins	2487383
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:50	Robyn Blevins	2487394
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:51	Robyn Blevins	2487395
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:56	Robyn Blevins	2487396
	05/07/2024	05/30/2024 10:31	Samantha L Bates	05/31/2024 12:22	Robyn Blevins	2487397
	EPA 351.2 Rev. 2.0 dissolved			05/24/2024 16:32	Robyn Blevins	2487384
EPA 351.2 Rev. 2.0 dissolved	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:33	Robyn Blevins	2487385
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:35	Robyn Blevins	2487386
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:48	Robyn Blevins	2487388
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:58	Robyn Blevins	2487398
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 16:59	Robyn Blevins	2487399
	05/07/2024	05/09/2024 08:03	Simonne.V. Calhoun	05/24/2024 17:01	Robyn Blevins	2487400
	05/07/2024	05/30/2024 10:31	Samantha L Bates	05/31/2024 12:23	Robyn Blevins	2487401
	05/07/2024	05/31/2024 13:40	Simonne.V. Calhoun	06/03/2024 09:09	Samantha L Bates	2487387
	EPA 353.2 Rev. 2.0			05/24/2024 14:39	Fadila Guebre	2487382
	05/07/2024			05/24/2024 14:45	Fadila Guebre	2487383
	05/07/2024			05/24/2024 14:47	Fadila Guebre	2487394
	05/07/2024			05/24/2024 14:48	Fadila Guebre	2487395

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	05/07/2024			05/24/2024 14:49	Fadila Guebre	2487396
	05/07/2024			05/24/2024 14:50	Fadila Guebre	2487397
	05/07/2024			05/28/2024 11:27	Fadila Guebre	2487379
	05/07/2024			05/28/2024 12:44	Fadila Guebre	2487380
	05/07/2024			05/28/2024 12:46	Fadila Guebre	2487381
EPA 365.1 Rev. 2.0	05/07/2024	05/09/2024 15:27	Josephine W Gitau	05/22/2024 11:15	Simonne.V. Calhoun	2487382
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/24/2024 09:59	James L Waggerby	2487379
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/24/2024 10:00	James L Waggerby	2487380
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/24/2024 10:01	James L Waggerby	2487381
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/28/2024 14:24	Elise M. Gillis	2487397
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/28/2024 14:25	Elise M. Gillis	2487383
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/28/2024 14:26	Elise M. Gillis	2487394
	05/07/2024	05/23/2024 14:45	Adam P Silver	05/28/2024 14:27	Elise M. Gillis	2487395
EPA 365.1 Rev. 2.0 dissolved	05/07/2024	05/23/2024 14:45	Adam P Silver	05/28/2024 14:28	Elise M. Gillis	2487396
	05/07/2024			05/07/2024 14:37	Elise M. Gillis	2487390
	05/07/2024			05/07/2024 14:46	Elise M. Gillis	2487389
	05/07/2024			05/07/2024 14:47	Elise M. Gillis	2487391
	05/07/2024			05/07/2024 14:50	Elise M. Gillis	2487404
	05/07/2024			05/07/2024 14:58	Elise M. Gillis	2487392
	05/07/2024			05/07/2024 14:59	Elise M. Gillis	2487393
	05/07/2024			05/07/2024 15:00	Elise M. Gillis	2487402, 2487403
	05/07/2024			05/07/2024 15:01	Elise M. Gillis	2487405