Chemical Analysis Report

NE-DIST-2024-05-30-02

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

Event Description: **Suwannee Lakes 2024**
Request ID: **RQ-2024-05-20-15**
Customer: **NE-DIST**
Project ID: **SMP**

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8800 Baymeadows Way West
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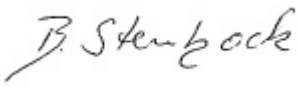
Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 13-JUN-2024 15:22



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: Low Lake Center **Collection Date/Time: 05/29/2024 11:20**

Field ID: 21020065 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489882	DEP SOP: NU-094-1	Color (true)	170		PCU	P445842	
	EPA 180.1 Rev. 2.0	Turbidity	9.7		NTU	P445835	
	EPA 300.0 Rev. 2.1	Chloride	6.8		mg Cl/L	P445989	
		Sulfate	3.8		mg SO4/L	P445991	
	SM 2320 B-2011	Total Alkalinity	5.4		mg CaCO3/L	P446041	
	SM 2540 C-2015	TDS	70		mg/L	P446297	
	SM 2540 D-2015	TSS	8	I	mg/L	P446163	
	SM 4500-F- C-2011	Fluoride	0.077	I	mg F/L	P446043	
2489883	EPA 350.1 Rev. 2.0	Ammonia-N	0.006		mg N/L	P446005	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.7		mg N/L	P445904	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P446091	
	EPA 365.1 Rev. 2.0	Total-P	0.090		mg P/L	P445920	
	SM 5310 B-2014	Organic Carbon	15		mg C/L	P446054	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: PEACOCK LAKE CENTER **Collection Date/Time: 05/29/2024 10:50**

Field ID: 21020097 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489880	DEP SOP: NU-094-1	Color (true)	120	A	PCU	P445842	
	EPA 180.1 Rev. 2.0	Turbidity	0.90	I	NTU	P445835	
	EPA 300.0 Rev. 2.1	Chloride	5.2		mg Cl/L	P445989	
		Sulfate	1.8		mg SO4/L	P445991	
	SM 2320 B-2011	Total Alkalinity	6.6		mg CaCO3/L	P446041	
	SM 2540 C-2015	TDS	56		mg/L	P446297	
	SM 2540 D-2015	TSS	2	I	mg/L	P446163	
	SM 4500-F- C-2011	Fluoride	0.10	I	mg F/L	P446043	
2489881	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L	P446004	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.62		mg N/L	P445904	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P446091	
	EPA 365.1 Rev. 2.0	Total-P	0.17		mg P/L	P445920	
	SM 5310 B-2014	Organic Carbon	13		mg C/L	P446054	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P445842

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P445835

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445989

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445991

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446004

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446005

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445904

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445920

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P446041

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2540 C-2015
Batch ID: P446297

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P446163

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P446054

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P445842

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	102		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P445835

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445989

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445991

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	99.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446004

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	94.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446005

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.4		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445904

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.8		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

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: P445920

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P446041

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	93 - 103

Reference Method: SM 2540 C-2015
Batch ID: P446297

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.0		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P446163

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.8		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.6		P	95 - 106

Reference Method: SM 5310 B-2014
Batch ID: P446054

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.0		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445989

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489819	Chloride	102		P	90 - 110
2489891	Chloride	94.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445991

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489819	Sulfate	101		P	90 - 110
2489891	Sulfate	94.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446004

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489792	Ammonia-N	94.4	95.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446005

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489883	Ammonia-N	94.6	96.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445904

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489881	Kjeldahl Nitrogen	99.2	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489881	NO2NO3-N	98.0	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445920

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489922	Total-P	99.3	99.4	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489889	Fluoride	97.5	99.1	P/P	95 - 107

Reference Method: SM 5310 B-2014
Batch ID: P446054

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489930	Organic Carbon	98.2	99.5	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P445842

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489880	Color (true)	2.36	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P445835

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489736	Turbidity	3.17	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445989

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489819	Chloride	0.0853	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P445991

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489819	Sulfate	0.165	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446004

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489792	Ammonia-N	1.00	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446005

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489883	Ammonia-N	1.50	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445904

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489881	Kjeldahl Nitrogen	4.45	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489881	NO2NO3-N	1.52	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445920

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489922	Total-P	0.0457	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P446041

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489889	Total Alkalinity	0.620	Sample	P	0 - 4.1

Reference Method: SM 2540 C-2015
Batch ID: P446297

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489889	TDS	2.32	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489889	Fluoride	1.46	Spike	P	0 - 1.7

Reference Method: SM 5310 B-2014
Batch ID: P446054

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489930	Organic Carbon	1.15	Spike	P	0 - 15

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

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A125894
Included Lab Sample IDs: 2489880, 2489882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.2	94.6	P/P	90 - 110
Sulfate	97.6	94.9	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125920
Included Lab Sample IDs: 2489880, 2489882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.0	98.0	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A125922
Included Lab Sample IDs: 2489880, 2489882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	102	99.9	P/P	90 - 110
Color (true)	102	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125963
Included Lab Sample IDs: 2489881, 2489883

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125971
Included Lab Sample IDs: 2489881, 2489883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.4	97.7	P/P	90 - 110
Ammonia-N	97.7	97.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125988
Included Lab Sample IDs: 2489881, 2489883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	101	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A125989
Included Lab Sample IDs: 2489880, 2489882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	99.3	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: SM 4500-F- C-2011
Run ID: A125989
Included Lab Sample IDs: 2489880, 2489882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	99.1	P/P	90 - 110

Reference Method: SM 5310 B-2014
Run ID: A125993
Included Lab Sample IDs: 2489881, 2489883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.9	115	P/P	85 - 115

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A126006
Included Lab Sample IDs: 2489881, 2489883

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

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	102				2.36	
EPA 180.1 Rev. 2.0	Turbidity	101				3.17	
EPA 300.0 Rev. 2.1	Chloride	99.0	102	94.2		0.0853	
	Sulfate	99.8	101	94.5		0.165	
EPA 350.1 Rev. 2.0	Ammonia-N	94.8	94.4	95.6			1.00
	Ammonia-N	95.4	94.6	96.2			1.50
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.8	99.2	105			4.45
EPA 353.2 Rev. 2.0	NO2NO3-N	100	98.0	99.5			1.52
EPA 365.1 Rev. 2.0	Total-P	98.8	99.3	99.4			0.0457
SM 2320 B-2011	Total Alkalinity	100				0.620	
SM 2540 C-2015	TDS	94.0				2.32	
SM 2540 D-2015	TSS	96.8					
SM 4500-F- C-2011	Fluoride	98.6	97.5	99.1			1.46
SM 5310 B-2014	Organic Carbon	98.0	98.2	99.5			1.15

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2489880, 2489882
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2489880, 2489882
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2489880, 2489882
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2489880, 2489882
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2489881, 2489883
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2489881, 2489883
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2489881, 2489883
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2489881, 2489883
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2489880, 2489882
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2489880, 2489882
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2489880, 2489882
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2489880, 2489882
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2489881, 2489883

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	05/30/2024			05/30/2024 15:29	Jessica K Wilks	2489880
	05/30/2024			05/30/2024 15:44	Jessica K Wilks	2489882
EPA 180.1 Rev. 2.0	05/30/2024			05/30/2024 14:11	Samantha L Bates	2489880, 2489882
EPA 300.0 Rev. 2.1	05/30/2024			06/01/2024 01:19	Samantha L Bates	2489880
	05/30/2024			06/01/2024 01:34	Samantha L Bates	2489882
EPA 350.1 Rev. 2.0	05/30/2024			06/04/2024 13:16	Khloe J Berg	2489881
	05/30/2024			06/04/2024 13:28	Khloe J Berg	2489883
EPA 351.2 Rev. 2.0	05/30/2024	06/03/2024 10:55	Robyn Blevins	06/04/2024 16:20	Samantha L Bates	2489881
	05/30/2024	06/03/2024 10:55	Robyn Blevins	06/04/2024 16:25	Samantha L Bates	2489883
EPA 353.2 Rev. 2.0	05/30/2024			06/05/2024 13:18	Fadila Guebre	2489881
	05/30/2024			06/05/2024 13:28	Fadila Guebre	2489883
EPA 365.1 Rev. 2.0	05/30/2024	06/03/2024 11:54	Josephine W Gitau	06/04/2024 10:26	Simonne.V. Calhoun	2489881
	05/30/2024	06/03/2024 11:54	Josephine W Gitau	06/04/2024 10:27	Simonne.V. Calhoun	2489883
SM 2320 B-2011	05/30/2024			06/05/2024 03:23	Adam P Silver	2489880
	05/30/2024			06/05/2024 03:35	Adam P Silver	2489882
SM 2540 C-2015	05/30/2024			06/03/2024 15:24	Yijie Li	2489880, 2489882
SM 2540 D-2015	05/30/2024			06/03/2024 15:24	Yijie Li	2489880, 2489882
SM 4500-F- C-2011	05/30/2024			06/05/2024 03:23	Adam P Silver	2489880
	05/30/2024			06/05/2024 03:35	Adam P Silver	2489882
SM 5310 B-2014	05/30/2024			06/05/2024 00:21	Elise M. Gillis	2489881
	05/30/2024			06/05/2024 00:35	Elise M. Gillis	2489883