Chemical Analysis Report

CEN-DIST-2023-04-14-01

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

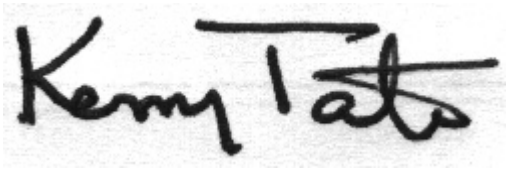
Event Description: **Run 15**
Request ID: **RQ-2023-04-10-17**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767
Attn: Matthew Bearden

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 08-MAY-2023 10:34



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: HIDDEN LAKE AT CENTER **Collection Date/Time: 04/13/2023 11:43**

Field ID: G4CE0158 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400353	DEP SOP: NU-094-1	Color (true)	44	A	PCU	P428528	
	EPA 180.1 Rev. 2.0	Turbidity	4.3	A	NTU	P428532	
	EPA 300.0 Rev. 2.1	Chloride	21		mg Cl/L	P428892	
		Sulfate	1.1		mg SO4/L	P428896	
	SM 2320 B-2011	Total Alkalinity	145		mg CaCO3/L	P428657	
	SM 2540 C-2015	TDS	228	A	mg/L	P429116	
	SM 2540 D-2015	TSS	3	I A	mg/L	P428907	
	SM 4500-F- C-2011	Fluoride	0.19		mg F/L	P428931	
2400355	EPA 350.1 Rev. 2.0	Ammonia-N	0.007		mg N/L	P428754	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P428539	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P428886	
	EPA 365.1 Rev. 2.0	Total-P	0.061		mg P/L	P428603	
	SM 5310 B-2011	Organic Carbon	19		mg C/L	P428700	

Ref. Method and Comment:
EPA 300.0 Rev. 2.1: Sulfate: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: CROOKED LAKE AT CENTER OF N LOBE **Collection Date/Time: 04/13/2023 14:11**

Field ID: G2CE0265 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400354	DEP SOP: NU-094-1	Color (true)	120		PCU	P428528	
	EPA 180.1 Rev. 2.0	Turbidity	1.6		NTU	P428532	
	EPA 300.0 Rev. 2.1	Chloride	17		mg Cl/L	P428892	
		Sulfate	3.4		mg SO4/L	P428896	
	SM 2320 B-2011	Total Alkalinity	32		mg CaCO3/L	P428657	
	SM 2540 C-2015	TDS	115		mg/L	P429116	
	SM 2540 D-2015	TSS	3	I	mg/L	P428907	
	SM 4500-F- C-2011	Fluoride	0.047	I	mg F/L	P428931	
2400356	EPA 350.1 Rev. 2.0	Ammonia-N	0.032		mg N/L	P428754	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.6		mg N/L	P428539	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.008	I	mg N/L	P428886	
	EPA 365.1 Rev. 2.0	Total-P	0.036		mg P/L	P428603	
	SM 5310 B-2011	Organic Carbon	24		mg C/L	P428700	

Ref. Method and Comment:
EPA 300.0 Rev. 2.1: Sulfate: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
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: P428528

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428532

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428896

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428754

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428539

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428886

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428603

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

Reference Method: SM 2320 B-2011
Batch ID: P428657

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P429116

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P428907

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P428700

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: P428528

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	96.8		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428532

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428896

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428754

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: P428539

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428886

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	104		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428603

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

Reference Method: SM 2320 B-2011
Batch ID: P428657

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.6		P	94 - 106

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P429116

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

Reference Method: SM 2540 D-2015
Batch ID: P428907

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.9		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	100		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P428700

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.6		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400329	Chloride	98.0		P	90 - 110
2400491	Chloride	99.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428896

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400329	Sulfate	98.5		P	90 - 110
2400491	Sulfate	99.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428754

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400355	Ammonia-N	96.8	96.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428539

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400355	Kjeldahl Nitrogen	94.6	100	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428886

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400362	NO2NO3-N	103	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428603

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400331	Total-P	101	101	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400492	Fluoride	100	101	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P428700

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400239	Organic Carbon	94.7	96.2	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P428528

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400353	Color (true)	0.323	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P428532

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400353	Turbidity	7.18	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P428892

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400329	Chloride	0.890	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P428754

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400355	Ammonia-N	0.542	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P428539

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400355	Kjeldahl Nitrogen	3.09	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P428886

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400362	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P428603

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400331	Total-P	0.283	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P428657

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400492	Total Alkalinity	2.30	Sample	P	0 - 3.8

Quality Assurance Report
Precision

Reference Method: SM 2540 C-2015
Batch ID: P429116

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400353	TDS	3.08	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P428931

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400492	Fluoride	0.503	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P428700

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400239	Organic Carbon	1.33	Spike	P	0 - 20

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

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A118589
Included Lab Sample IDs: 2400353, 2400354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.5	103	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A118591
Included Lab Sample IDs: 2400353, 2400354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.0	99.5	P/P	95 - 105

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A118641
Included Lab Sample IDs: 2400353, 2400354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.3	97.2	P/P	90 - 110
Sulfate	98.4	98.3	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A118645
Included Lab Sample IDs: 2400353, 2400354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.4	94.1	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A118655
Included Lab Sample IDs: 2400355, 2400356

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	103	P/P	90 - 110
Kjeldahl Nitrogen	103	99.3	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A118661
Included Lab Sample IDs: 2400355, 2400356

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	99.6	98.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A118675
Included Lab Sample IDs: 2400355

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A118678
Included Lab Sample IDs: 2400356

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits

Quality Assurance Report
Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A118678
Included Lab Sample IDs: 2400356

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.8	100	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A118680
Included Lab Sample IDs: 2400355, 2400356

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.4	99.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A118730
Included Lab Sample IDs: 2400355, 2400356

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	104	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A118753
Included Lab Sample IDs: 2400353, 2400354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	102	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)	96.8				0.323	
EPA 180.1 Rev. 2.0	Turbidity	98.4				7.18	
EPA 300.0 Rev. 2.1	Chloride	101	98.0	99.7		0.890	
	Sulfate	102	98.5	99.5			
EPA 350.1 Rev. 2.0	Ammonia-N	96.0	96.8	96.2			0.542
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.9	94.6	100			3.09
EPA 353.2 Rev. 2.0	NO2NO3-N	104	103	103			0.0
EPA 365.1 Rev. 2.0	Total-P	99.2	101	101			0.283
SM 2320 B-2011	Total Alkalinity	94.6				2.30	
SM 2540 C-2015	TDS	106				3.08	
SM 2540 D-2015	TSS	96.9					
SM 4500-F- C-2011	Fluoride	100	100	101			0.503
SM 5310 B-2011	Organic Carbon	98.6	94.7	96.2			1.33

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2400353, 2400354
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2400353, 2400354
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2400353, 2400354
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2400353, 2400354
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2400355, 2400356
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2400355, 2400356
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2400355, 2400356
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2400355, 2400356
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2400353, 2400354
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2400353, 2400354
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2400353, 2400354
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2400353, 2400354
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2400355, 2400356

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	04/14/2023			04/14/2023 14:24	Chandler E Cox	2400353, 2400354
EPA 180.1 Rev. 2.0	04/14/2023			04/14/2023 14:03	Khloe J Berg	2400353
	04/14/2023			04/14/2023 14:05	Khloe J Berg	2400354
EPA 300.0 Rev. 2.1	04/14/2023			04/20/2023 23:31	James L Waggerby	2400353
	04/14/2023			04/20/2023 23:46	James L Waggerby	2400354
EPA 350.1 Rev. 2.0	04/14/2023			04/19/2023 13:38	Ping Hua	2400355
	04/14/2023			04/19/2023 13:47	Ping Hua	2400356
EPA 351.2 Rev. 2.0	04/14/2023	04/17/2023 11:20	Simonne.V. Calhoun	04/19/2023 10:17	Samantha L Bates	2400355
	04/14/2023	04/17/2023 11:20	Simonne.V. Calhoun	04/19/2023 10:25	Samantha L Bates	2400356
EPA 353.2 Rev. 2.0	04/14/2023			04/24/2023 11:13	Beverly Y. Sanders	2400355
	04/14/2023			04/24/2023 11:15	Beverly Y. Sanders	2400356
EPA 365.1 Rev. 2.0	04/14/2023	04/18/2023 13:49	Adam P Silver	04/19/2023 13:03	Simonne.V. Calhoun	2400355
	04/14/2023	04/18/2023 13:49	Adam P Silver	04/19/2023 13:30	Simonne.V. Calhoun	2400356
SM 2320 B-2011	04/14/2023			04/18/2023 23:50	Dale L. Simmons	2400353
	04/14/2023			04/19/2023 00:02	Dale L. Simmons	2400354
SM 2540 C-2015	04/14/2023			04/19/2023 15:28	Yijie Li	2400353, 2400354
SM 2540 D-2015	04/14/2023			04/19/2023 15:28	Yijie Li	2400353, 2400354
SM 4500-F- C-2011	04/14/2023			04/25/2023 09:46	Dale L. Simmons	2400353
	04/14/2023			04/25/2023 09:51	Dale L. Simmons	2400354
SM 5310 B-2011	04/14/2023			04/19/2023 02:23	Elise M. Gillis	2400355
	04/14/2023			04/19/2023 02:37	Elise M. Gillis	2400356