Chemical Analysis Report

NE-DIST-2021-09-21-02

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Vilano Boat**
Request ID: **RQ-2021-09-06-21**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
Attn: Jeremy Parrish

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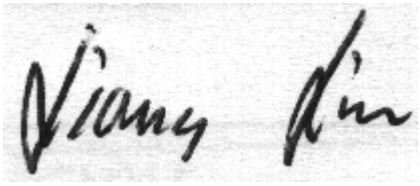
Certified by: Liang Lin, Environmental Administrator

Date Certified: 12-OCT-2021 15:00



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: Sombrero Creek 50m Below Fork **Collection Date/Time: 09/20/2021 10:10**

Field ID: 27010054 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2276896	EPA 180.1 Rev. 2.0	Turbidity	5.4		NTU	P404017	
	SM 2320 B-2011	Total Alkalinity	120	A	mg CaCO3/L	P404103	
	SM 2540 D-2011	TSS	12		mg/L	P404553	
	SM 4500 F-C-2011	Fluoride	1.2		mg F/L	P404107	
2276899	EPA 350.1 Rev. 2.0	Ammonia-N	0.024		mg N/L	P404120	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.35	I	mg N/L	P404117	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.011		mg N/L	P404092	
	EPA 365.1 Rev. 2.0	Total-P	0.047		mg P/L	P404053	
	SM 5310 B-2011	Organic Carbon	4.3		mg C/L	P404202	
2276902	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.020		mg P/L	P404009	

Sample Location: Salt Run Offshore From Lighthouse **Collection Date/Time: 09/20/2021 11:10**

Field ID: 27010138 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2276897	EPA 180.1 Rev. 2.0	Turbidity	11		NTU	P404017	
	SM 2320 B-2011	Total Alkalinity	127		mg CaCO3/L	P404103	
	SM 2540 D-2011	TSS	24		mg/L	P404553	
	SM 4500 F-C-2011	Fluoride	1.2		mg F/L	P404107	
2276900	EPA 350.1 Rev. 2.0	Ammonia-N	0.018		mg N/L	P404120	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L	P404117	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P404092	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P404053	
	SM 5310 B-2011	Organic Carbon	4.1		mg C/L	P404202	
2276903	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.040		mg P/L	P404009	

Sample Location: Ximanies Cr - 1mi Upstrm of Mouth **Collection Date/Time: 09/20/2021 09:50**

Field ID: 27010968 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2276898	EPA 180.1 Rev. 2.0	Turbidity	5.5		NTU	P404017	
	SM 2320 B-2011	Total Alkalinity	119		mg CaCO3/L	P404103	
	SM 2540 D-2011	TSS	16	A	mg/L	P404553	
	SM 4500 F-C-2011	Fluoride	1.2		mg F/L	P404107	
2276901	EPA 350.1 Rev. 2.0	Ammonia-N	0.026		mg N/L	P404120	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.41		mg N/L	P404117	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.011		mg N/L	P404092	
	EPA 365.1 Rev. 2.0	Total-P	0.047		mg P/L	P404053	
	SM 5310 B-2011	Organic Carbon	3.6		mg C/L	P404202	
2276904	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.021		mg P/L	P404009	

Sample Location: St. Augustine Inlet SE of Vilano Bt.Rmp. **Collection Date/Time: 09/20/2021 10:45**

Field ID: G5NE0587 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2276905	EPA 180.1 Rev. 2.0	Turbidity	2.0		NTU	P404017	
	SM 2320 B-2011	Total Alkalinity	119		mg CaCO3/L	P404103	
	SM 2540 D-2011	TSS	6	I A	mg/L	P404554	
	SM 4500 F-C-2011	Fluoride	1.2		mg F/L	P404107	
2276906	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P404120	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.37	I	mg N/L	P404117	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P404092	
	EPA 365.1 Rev. 2.0	Total-P	0.028		mg P/L	P404053	
	SM 5310 B-2011	Organic Carbon	2.8		mg C/L	P404202	
2276907	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.012		mg P/L	P404009	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Quality Assurance Report
Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P404017

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P404120

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P404117

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P404092

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P404053

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P404009

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

Reference Method: SM 2320 B-2011
Batch ID: P404103

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

Reference Method: SM 2540 D-2011
Batch ID: P404553

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P404554

Component	Result	Code	Units
TSS	3	U	mg/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 4500 F-C-2011
Batch ID: P404107

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P404202

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P404120

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P404117

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.1		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P404092

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P404053

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P404009

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

Reference Method: SM 2320 B-2011
Batch ID: P404103

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	103		P	94 - 106

Reference Method: SM 4500 F-C-2011
Batch ID: P404107

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.1		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P404202

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 350.1 Rev. 2.0
Batch ID: P404120

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2276906	Ammonia-N	104	104	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P404117

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2277246	Kjeldahl Nitrogen	95.9	94.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P404092

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2276899	NO2NO3-N	99.2	98.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P404053

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2276900	Total-P	95.4	94.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P404009

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2276903	O-Phosphate-P	100	99.4	P/P	90 - 110

Reference Method: SM 4500 F-C-2011
Batch ID: P404107

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2276896	Fluoride	94.1	94.1	P/P	92 - 107

Reference Method: SM 5310 B-2011
Batch ID: P404202

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2276906	Organic Carbon	96.2	97.4	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P404017

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276887	Turbidity	4.79	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P404120

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276906	Ammonia-N	0.0	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P404117

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2277246	Kjeldahl Nitrogen	0.806	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P404092

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276899	NO2NO3-N	0.480	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P404053

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276900	Total-P	1.17	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P404009

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276903	O-Phosphate-P	0.431	Spike	P	0 - 20

Reference Method: SM 2320 B-2011
Batch ID: P404103

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276896	Total Alkalinity	1.56	Sample	P	0 - 5.2

Reference Method: SM 2540 D-2011
Batch ID: P404553

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276898	TSS	5.00	Sample	P	0 - 10

Quality Assurance Report
Precision

Reference Method: SM 4500 F-C-2011
Batch ID: P404107

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276896	Fluoride	0.0	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P404202

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2276906	Organic Carbon	1.16	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: A107913
Included Lab Sample IDs: 2276902, 2276903, 2276904, 2276907

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.4	99.3	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A107915
Included Lab Sample IDs: 2276896, 2276897, 2276898, 2276905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	100	P/P	95 - 105

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A107957
Included Lab Sample IDs: 2276899, 2276900, 2276901, 2276906

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

Reference Method: SM 2320 B-2011
Run ID: A107959
Included Lab Sample IDs: 2276896, 2276897, 2276898, 2276905

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

Reference Method: SM 4500 F-C-2011
Run ID: A107959
Included Lab Sample IDs: 2276896, 2276897, 2276898, 2276905

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	99.5	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A107961
Included Lab Sample IDs: 2276899, 2276900, 2276901, 2276906

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.2	99.1	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A107967
Included Lab Sample IDs: 2276899, 2276900, 2276901, 2276906

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

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A107977
Included Lab Sample IDs: 2276899, 2276900, 2276901, 2276906

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.4	97.6	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: SM 5310 B-2011
Run ID: A107995
Included Lab Sample IDs: 2276899, 2276900, 2276901, 2276906

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.8	97.8	P/P	90 - 110

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 180.1 Rev. 2.0	Turbidity					4.79	
EPA 350.1 Rev. 2.0	Ammonia-N	99.0	104	104			0.0
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.1	95.9	94.9			0.806
EPA 353.2 Rev. 2.0	NO2NO3-N	97.5	99.2	98.7			0.480
EPA 365.1 Rev. 2.0	Total-P	102	95.4	94.2			1.17
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.9	100	99.4			0.431
SM 2320 B-2011	Total Alkalinity	103				1.56	
SM 2540 D-2011	TSS					5.00	
SM 4500 F-C-2011	Fluoride	98.1	94.1	94.1			0.0
SM 5310 B-2011	Organic Carbon	98.0	96.2	97.4			1.16

Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2276896, 2276897, 2276898, 2276905
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2276899, 2276900, 2276901, 2276906
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2276899, 2276900, 2276901, 2276906
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2276899, 2276900, 2276901, 2276906
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2276899, 2276900, 2276901, 2276906
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2276902, 2276903, 2276904, 2276907
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2276896, 2276897, 2276898, 2276905
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2276896, 2276897, 2276898, 2276905
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2276896, 2276897, 2276898, 2276905
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2276899, 2276900, 2276901, 2276906

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	09/21/2021			09/21/2021 15:59	Khloe J Berg	2276896, 2276897, 2276898, 2276905
EPA 350.1 Rev. 2.0	09/21/2021			09/23/2021 12:31	Ping Hua	2276906
	09/21/2021			09/23/2021 12:39	Ping Hua	2276899
	09/21/2021			09/23/2021 12:40	Ping Hua	2276900
	09/21/2021			09/23/2021 12:41	Ping Hua	2276901
EPA 351.2 Rev. 2.0	09/21/2021	09/23/2021 12:39	Benjamin T. Nordmann	09/24/2021 09:46	Alexandra J Mattheus	2276899
	09/21/2021	09/23/2021 12:39	Benjamin T. Nordmann	09/24/2021 09:48	Alexandra J Mattheus	2276900
	09/21/2021	09/23/2021 12:39	Benjamin T. Nordmann	09/24/2021 09:49	Alexandra J Mattheus	2276901
	09/21/2021	09/23/2021 12:39	Benjamin T. Nordmann	09/24/2021 09:51	Alexandra J Mattheus	2276906
EPA 353.2 Rev. 2.0	09/21/2021			09/23/2021 09:07	Beverly Y. Sanders	2276899
	09/21/2021			09/23/2021 09:13	Beverly Y. Sanders	2276900
	09/21/2021			09/23/2021 09:14	Beverly Y. Sanders	2276901
	09/21/2021			09/23/2021 09:15	Beverly Y. Sanders	2276906
EPA 365.1 Rev. 2.0	09/21/2021	09/22/2021 13:13	Simonne.V. Calhoun	09/23/2021 14:50	Sarah A Nixon	2276900
	09/21/2021	09/22/2021 13:13	Simonne.V. Calhoun	09/23/2021 14:52	Sarah A Nixon	2276899
	09/21/2021	09/22/2021 13:13	Simonne.V. Calhoun	09/23/2021 14:53	Sarah A Nixon	2276901
	09/21/2021	09/22/2021 13:13	Simonne.V. Calhoun	09/23/2021 14:54	Sarah A Nixon	2276906
EPA 365.1 Rev. 2.0 dissolved	09/21/2021			09/21/2021 15:14	James L Waggerby	2276903
	09/21/2021			09/21/2021 15:17	James L Waggerby	2276902
	09/21/2021			09/21/2021 15:18	James L Waggerby	2276904
	09/21/2021			09/21/2021 15:19	James L Waggerby	2276907
SM 2320 B-2011	09/21/2021			09/22/2021 22:34	Dale L. Simmons	2276896
	09/21/2021			09/22/2021 22:49	Dale L. Simmons	2276897
	09/21/2021			09/22/2021 23:03	Dale L. Simmons	2276898
	09/21/2021			09/23/2021 00:01	Dale L. Simmons	2276905
SM 2540 D-2011	09/21/2021			09/23/2021 14:36	Yijie Li	2276896, 2276897, 2276898, 2276905
SM 4500 F-C-2011	09/21/2021			09/22/2021 21:43	Dale L. Simmons	2276896
	09/21/2021			09/22/2021 21:57	Dale L. Simmons	2276897
	09/21/2021			09/22/2021 22:02	Dale L. Simmons	2276898
	09/21/2021			09/22/2021 22:08	Dale L. Simmons	2276905
SM 5310 B-2011	09/21/2021			09/25/2021 00:45	Khloe J Berg	2276906
	09/21/2021			09/25/2021 01:24	Khloe J Berg	2276899
	09/21/2021			09/25/2021 01:37	Khloe J Berg	2276900
	09/21/2021			09/25/2021 02:03	Khloe J Berg	2276901