

Biological Analysis Report

SW-DIST-2023-11-21-02

Florida DEP Laboratory
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Tallahassee, FL 32399-2400
DOH Accreditation E31780

Overflow Analyses Performed By:
Benchmark EnvironAnalytical, Inc.
1711 12th Street East
Palmetto, FL 34221
DOH Accreditation E84167

Event Description: **Run 14**
Request ID: **RQ-2023-11-06-45**
Customer: **SW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
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Date Certified: 08-JAN-2024 10:11



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 groups are included in this report: Chlorophyll/Grain Size/BOD, Molecular and Overflow.

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: LITTLE BULLFROG CR DOWNSTREAM OF US 301 BRIDGE **Collection Date/Time: 11/20/2023 09:15**

Field ID: G2SW0162

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452526	SM 10150 B	Chlorophyll-a, Corrected	2.5	I	ug/L	P438622	
		Phaeophytin-a	0.93	I	ug/L	P438622	
		Chlorophyll-a, Uncorrected	3.1		ug/L	P438622	
2452536	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	1296		MPN/100 mL		

Ref. Method and Comment:

SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Sample Location: MILLER MAC RD DITCH AT US 41 N OF DI MERE PACKING **Collection Date/Time: 11/20/2023 09:55**

Field ID: G1SW0138

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452527	SM 10150 B	Chlorophyll-a, Corrected	0.82	U	ug/L	P438622	
		Phaeophytin-a	0.90	U	ug/L	P438622	
		Chlorophyll-a, Uncorrected	0.60	U	ug/L	P438622	
2452537	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	279		MPN/100 mL		

Ref. Method and Comment:

SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Sample Location: WOLF BRANCH AT 12TH STREET NE **Collection Date/Time: 11/20/2023 10:10**

Field ID: G1SW0129

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452528	SM 10150 B	Chlorophyll-a, Corrected	10		ug/L	P438622	
		Phaeophytin-a	3.0		ug/L	P438622	
		Chlorophyll-a, Uncorrected	12		ug/L	P438622	
2452538	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	31		MPN/100 mL		

Ref. Method and Comment:

SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Sample Location: WOLF BRANCH AT 19TH AVE NE **Collection Date/Time: 11/20/2023 10:30**

Field ID: G1SW0119

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452529	SM 10150 B	Chlorophyll-a, Corrected	1.8	I	ug/L	P438622	
		Phaeophytin-a	0.90	U	ug/L	P438622	
		Chlorophyll-a, Uncorrected	2.0		ug/L	P438622	
2452539	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	1376		MPN/100 mL		

Ref. Method and Comment:

SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Sample Location: WOLF BRANCH CANAL AT MANNS HARBOR DR BOATLIFT **Collection Date/Time: 11/20/2023 11:00**

Field ID: G1SW0092

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452530	SM 10150 B	Chlorophyll-a, Corrected	3.6		ug/L	P438622	
		Phaeophytin-a	0.90	U	ug/L	P438622	
		Chlorophyll-a, Uncorrected	4.1		ug/L	P438622	
2452540	Enterolert/QT	Enterococci-Quanti-Tray	10	U	MPN/100 mL		

Ref. Method and Comment:
 SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Sample Location: WOLF BRANCH CANAL AT MIDDLE OF LAKE **Collection Date/Time: 11/20/2023 11:20**

Field ID: G1SW0139

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452531	SM 10150 B	Chlorophyll-a, Corrected	29		ug/L	P438622	
		Phaeophytin-a	0.90	U	ug/L	P438622	
		Chlorophyll-a, Uncorrected	30		ug/L	P438622	
2452541	Enterolert/QT	Enterococci-Quanti-Tray	10	U	MPN/100 mL		
	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	109		MPN/100 mL		

Ref. Method and Comment:
 SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Sample Location: HERITAGE PARK CREEK **Collection Date/Time: 11/20/2023 12:20**

Field ID: G2SW0138

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452532	SM 10150 B	Chlorophyll-a, Corrected	3.8	I	ug/L	P438622	
		Phaeophytin-a	1.8	U	ug/L	P438622	
		Chlorophyll-a, Uncorrected	3.9	A	ug/L	P438622	
2452542	Enterolert/QT	Enterococci-Quanti-Tray	959		MPN/100 mL		

Ref. Method and Comment:
 SM 10150 B: Laboratory duplicate result is 3.7 I for Chlorophyll-a Corrected and 1.8 U for Phaeophytin-a. Precision data is unavailable due to the small amount of analyte in the QC sample.

Sample Location: BUFFALO CANAL PAST THE WW DISCHARGE **Collection Date/Time: 11/20/2023 13:20**

Field ID: G1SW0140

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2452533	SM 10150 B	Chlorophyll-a, Corrected	11	I	ug/L	P438622	
		Phaeophytin-a	9.8	I	ug/L	P438622	
		Chlorophyll-a, Uncorrected	17		ug/L	P438622	
2452535	SOP-PCR-1.0	HF183-qPCR**	6.6E+03	U	TSC/100 mL	P437973	
	SOP-PCR-1.2	GULL2-qPCR**	7.2E+03	U	TSC/100 mL	P437973	
	SOP-PCR-1.3	GFD-qPCR**	1.4E+03	U	TSC/100 mL	P437973	RPD
	SOP-PCR-1.4	BacR-qPCR**	6.1E+03	U	TSC/100 mL	P437973	
	SOP-PCR-1.5	DG3-qPCR**	5.1E+03	U	TSC/100 mL	P437973	
2452543	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	75		MPN/100 mL		

Ref. Method and Comment:
 SM 10150 B: Precision data is not available for at least one component due to the small amount of analyte in the QC sample. Refer to QA report for available precision data.

Quality Assurance Report Method Blank Results

Reference Method: SM 10150 B
Batch ID: P438622

Component	Result	Code	Units
Chlorophyll-a, Corrected	0.82	U	ug/L
Chlorophyll-a, Uncorrected	0.60	U	ug/L
Phaeophytin-a	0.90	U	ug/L

Reference Method: SOP-PCR-1.0
Batch ID: P437973

Component	Result	Code	Units
HF183-qPCR	3.3E+03	U	TSC/100 mL

Reference Method: SOP-PCR-1.2
Batch ID: P437973

Component	Result	Code	Units
GULL2-qPCR	3.6E+03	U	TSC/100 mL

Reference Method: SOP-PCR-1.3
Batch ID: P437973

Component	Result	Code	Units
GFD-qPCR	720	U	TSC/100 mL

Reference Method: SOP-PCR-1.4
Batch ID: P437973

Component	Result	Code	Units
BacR-qPCR	3.0E+03	U	TSC/100 mL

Reference Method: SOP-PCR-1.5
Batch ID: P437973

Component	Result	Code	Units
DG3-qPCR	2.6E+03	U	TSC/100 mL

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 10150 B
Batch ID: P438622

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	88.8		P	84 - 116

Reference Method: SOP-PCR-1.0
Batch ID: P437973

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
HF183-qPCR	88.8	87.5	P/P	50 - 175

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SOP-PCR-1.2
Batch ID: P437973

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
GULL2-qPCR	103	68.5	P/P	50 - 175

Reference Method: SOP-PCR-1.3
Batch ID: P437973

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
GFD-qPCR	86.5	80.8	P/P	50 - 175

Reference Method: SOP-PCR-1.4
Batch ID: P437973

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
BacR-qPCR	104	71.6	P/P	50 - 175

Reference Method: SOP-PCR-1.5
Batch ID: P437973

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
DG3-qPCR	98.5	72.3	P/P	50 - 175

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SOP-PCR-1.0
Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2452147	HF183-qPCR	102	101	P/P	50 - 175
2452471	HF183-qPCR	85.8		P	50 - 175
2452524	HF183-qPCR	86.1		P	50 - 175
2452525	HF183-qPCR	86.6		P	50 - 175
2452535	HF183-qPCR	93.7		P	50 - 175
2452749	HF183-qPCR	87.6		P	50 - 175
2452843	HF183-qPCR	82.9		P	50 - 175
2453084	HF183-qPCR	82.5		P	50 - 175
2453085	HF183-qPCR	84.5		P	50 - 175
2453171	HF183-qPCR	84.8		P	50 - 175
2453336	HF183-qPCR	94.8		P	50 - 175
2453424	HF183-qPCR	87.4		P	50 - 175
2453534	HF183-qPCR	90.9		P	50 - 175

Reference Method: SOP-PCR-1.2
Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2452147	GULL2-qPCR	99.0	95.3	P/P	50 - 175
2452525	GULL2-qPCR	84.6		P	50 - 175
2452535	GULL2-qPCR	76.7		P	50 - 175
2452843	GULL2-qPCR	85.9		P	50 - 175
2453084	GULL2-qPCR	79.0		P	50 - 175
2453171	GULL2-qPCR	101		P	50 - 175

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SOP-PCR-1.2

Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2453336	GULL2-qPCR	79.5		P	50 - 175
2453424	GULL2-qPCR	85.3		P	50 - 175
2453534	GULL2-qPCR	83.6		P	50 - 175

Reference Method: SOP-PCR-1.3

Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2452147	GFD-qPCR	98.6	98.7	P/P	50 - 175
2452525	GFD-qPCR	84.9		P	50 - 175
2452535	GFD-qPCR	93.5		P	50 - 175
2452843	GFD-qPCR	81.8		P	50 - 175
2453084	GFD-qPCR	89.3		P	50 - 175
2453171	GFD-qPCR	90.8		P	50 - 175
2453336	GFD-qPCR	98.0		P	50 - 175
2453424	GFD-qPCR	93.7		P	50 - 175
2453534	GFD-qPCR	90.3		P	50 - 175

Reference Method: SOP-PCR-1.4

Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2452147	BacR-qPCR	98.6	95.5	P/P	50 - 175
2452471	BacR-qPCR	84.0		P	50 - 175
2452524	BacR-qPCR	63.3		P	50 - 175
2452525	BacR-qPCR	80.1		P	50 - 175
2452535	BacR-qPCR	63.4		P	50 - 175
2452749	BacR-qPCR	67.5		P	50 - 175
2452843	BacR-qPCR	79.0		P	50 - 175
2453084	BacR-qPCR	64.0		P	50 - 175
2453085	BacR-qPCR	71.6		P	50 - 175
2453171	BacR-qPCR	88.7		P	50 - 175
2453336	BacR-qPCR	85.2		P	50 - 175
2453424	BacR-qPCR	92.6		P	50 - 175
2453534	BacR-qPCR	86.2		P	50 - 175

Reference Method: SOP-PCR-1.5

Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2452147	DG3-qPCR	106	110	P/P	50 - 175
2452471	DG3-qPCR	97.5		P	50 - 175
2452524	DG3-qPCR	89.6		P	50 - 175
2452525	DG3-qPCR	97.7		P	50 - 175
2452535	DG3-qPCR	89.8		P	50 - 175
2452749	DG3-qPCR	94.8		P	50 - 175
2452843	DG3-qPCR	87.9		P	50 - 175
2453084	DG3-qPCR	98.4		P	50 - 175
2453085	DG3-qPCR	94.8		P	50 - 175
2453171	DG3-qPCR	93.0		P	50 - 175
2453336	DG3-qPCR	101		P	50 - 175
2453424	DG3-qPCR	96.6		P	50 - 175

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SOP-PCR-1.5
 Batch ID: P437973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2453534	DG3-qPCR	97.9		P	50 - 175

Quality Assurance Report Precision

Reference Method: SM 10150 B
 Batch ID: P438622

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2452532	Chlorophyll-a, Uncorrected	3.80	Sample	P	0 - 25

Reference Method: SOP-PCR-1.0
 Batch ID: P437973

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2452147	HF183-qPCR	0.899	Spike	P	0 - 25

Reference Method: SOP-PCR-1.2
 Batch ID: P437973

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2452147	GULL2-qPCR	3.84	Spike	P	0 - 25

Reference Method: SOP-PCR-1.3
 Batch ID: P437973

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2452147	GFD-qPCR	26.8	Sample	F	0 - 25

Reference Method: SOP-PCR-1.4
 Batch ID: P437973

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2452147	BacR-qPCR	3.21	Spike	P	0 - 25

Reference Method: SOP-PCR-1.5
 Batch ID: P437973

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2452147	DG3-qPCR	4.43	Spike	P	0 - 25

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

Quality Assurance Report Surrogates

Lab Sample ID: 2452535
 Field Sample ID: G1SW0140

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
SOP-PCR-1.0	SKETA-qPCR	70.7	P	50 - 300
SOP-PCR-1.2	SKETA-qPCR	97.5	P	50 - 300
SOP-PCR-1.3	SKETA-qPCR	124	P	50 - 300
SOP-PCR-1.4	SKETA-qPCR	91.5	P	50 - 300
SOP-PCR-1.5	SKETA-qPCR	81.9	P	50 - 300

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery			LCS	Precision SMP	MS
SM 10150 B	Chlorophyll-a, Corrected	88.8							
	Chlorophyll-a, Uncorrected							3.80	
SOP-PCR-1.0	HF183-qPCR	87.5	88.8	82.9	82.5	84.5			0.899
				84.8					
SOP-PCR-1.2	GULL2-qPCR	68.5	103	99.0	95.3	84.6			3.84
				76.7					
SOP-PCR-1.3	GFD-qPCR	80.8	86.5	98.6	98.7	84.9		26.8	
				93.5					
SOP-PCR-1.4	BacR-qPCR	71.6	104	98.6	95.5	84.0			3.21
				63.3					
SOP-PCR-1.5	DG3-qPCR	72.3	98.5	106	110	97.5			4.43
				89.6					

Reference Method Descriptions

Method	Description	Associated Samples
Enterolert/QT	Enterococci by Enterolert/QT by BEA in Palmetto	2452540, 2452541, 2452542
SM 10150 B	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry	2452526, 2452527, 2452528, 2452529, 2452530, 2452531, 2452532, 2452533
SM 9223 B Quanti-Tray	E. coli by Colilert/QT by BEA in Palmetto	2452536, 2452537, 2452538, 2452539, 2452541, 2452543
SOP-PCR-1.0	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction	2452535
SOP-PCR-1.2	Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction	2452535
SOP-PCR-1.3	Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction	2452535
SOP-PCR-1.4	Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction	2452535
SOP-PCR-1.5	Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction	2452535

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
Enterolert/QT	11/20/2023	11/20/2023 14:52		11/20/2023 16:12	Benchmark EnviroAnalytical - Palmetto	2452542
	11/20/2023	11/20/2023 14:52		11/21/2023 16:12	Benchmark EnviroAnalytical - Palmetto	2452540, 2452541
SM 10150 B	11/21/2023	11/21/2023 12:47	Julia Herten	11/30/2023 16:04	Callie Williams	2452526, 2452527, 2452528, 2452529, 2452530, 2452531, 2452532, 2452533
SM 9223 B Quanti-Tray	11/20/2023	11/20/2023 16:12		11/21/2023 16:23	Benchmark EnviroAnalytical - Palmetto	2452536, 2452537, 2452538, 2452539, 2452541, 2452543
SOP-PCR-1.0	11/21/2023	11/21/2023 13:11	Madeline Gruver	12/12/2023 08:59	Roberta Tatti	2452535
SOP-PCR-1.2	11/21/2023	11/21/2023 13:11	Madeline Gruver	12/19/2023 14:09	Jennifer Mihalic	2452535
SOP-PCR-1.3	11/21/2023	11/21/2023 13:11	Madeline Gruver	12/18/2023 16:07	Madeline Gruver	2452535
SOP-PCR-1.4	11/21/2023	11/21/2023 13:11	Madeline Gruver	12/14/2023 09:19	Roberta Tatti	2452535
SOP-PCR-1.5	11/21/2023	11/21/2023 13:11	Madeline Gruver	12/14/2023 10:17	Roberta Tatti	2452535