

Biological Analysis Report

TLH-ROC-2022-03-07-01

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

Event Description: **Run 11**
Request ID: **RQ-2022-03-07-32**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
Attn: Michael Eckles

For additional information please contact
Cheryl Swanson - Administrator
Sarah Menz, Ph.D. - Bench Biology & Aquatic
Toxicity
Puja Jasrotia, Ph.D. - Molecular Biology & Taxonomy
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8177

Certified by: Puja Jasrotia, Environmental Administrator

Date Certified: 25-APR-2022 13:21

A handwritten signature in black ink, appearing to be 'Puja Jasrotia', with a horizontal line underneath it.

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, Microbiology and Molecular.

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: Sandy Creek @ Mouth

Collection Date/Time: 03/07/2022 11:30

Field ID: G3TLHR0051

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310507	SM 10200 H (mod.)	Chlorophyll-a, Corrected	5.5		ug/L	P411019	
		Phaeophytin-a	1.7	I	ug/L	P411019	
		Chlorophyll-a, Uncorrected	6.8		ug/L	P411019	
2310513	Enterolert/QT	Enterococci-Quanti-Tray	10.0	U	MPN/100 mL	P410888	
2310514	SM 9222 D	Fecal Coliforms-Membrane Filter	5	B	cfu/100 mL	P410844	

Ref. Method and Comment:

SM 10200 H (mod.): 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.

Enterolert/QT: Precision data is unavailable due to the small amount of analyte in the QC sample.

SM 9222 D: Precision data for QC sample is unavailable due to the colony count falling outside of method acceptable range.

Sample Location: Sandy Creek

Collection Date/Time: 03/07/2022 10:35

Field ID: G3TLHR0001

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310506	SM 10200 H (mod.)	Chlorophyll-a, Corrected	2.0	I	ug/L	P411019	
		Phaeophytin-a	1.8	U	ug/L	P411019	
		Chlorophyll-a, Uncorrected	2.0	I	ug/L	P411019	
2310510	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	456.4	A	MPN/100 mL	P410888	

Ref. Method and Comment:

SM 10200 H (mod.): 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: Mule Creek @ Alvie Holmes Rd

Collection Date/Time: 03/07/2022 11:00

Field ID: G3TLHR0017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310508	SM 10200 H (mod.)	Chlorophyll-a, Corrected	1.3	I	ug/L	P411019	
		Phaeophytin-a	0.98	U	ug/L	P411019	
		Chlorophyll-a, Uncorrected	1.7	I	ug/L	P411019	
2310515	SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray	88.4		MPN/100 mL	P410888	
2310518	SOP-PCR-1.0	HF183-qPCR**	1.7E+03	U	TSC/100 mL	P410798	
	SOP-PCR-1.2	GULL2-qPCR**	1.8E+03	U	TSC/100 mL	P410798	
	SOP-PCR-1.3	GFD-qPCR**	360	U	TSC/100 mL	P410798	
	SOP-PCR-1.4	BacR-qPCR**	1.5E+03	U	TSC/100 mL	P410798	LCS
	SOP-PCR-1.5	DG3-qPCR**	1.3E+03	U	TSC/100 mL	P410798	LCS

Ref. Method and Comment:

SM 10200 H (mod.): 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: Eagle Nest Bayou @ Mouth

Collection Date/Time: 03/07/2022 12:20

Field ID: G3TLHR0041

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310511	Enterolert/QT	Enterococci-Quanti-Tray	10.0		MPN/100 mL	P410888	
2310512	SM 9222 D	Fecal Coliforms-Membrane Filter	42		cfu/100 mL	P410844	

Ref. Method and Comment:

Enterolert/QT: Precision data is unavailable due to the small amount of analyte in the QC sample.

SM 9222 D: Precision data for QC sample is unavailable due to the colony count falling outside of method acceptable range.

Sample Location: Eagle Nest Continuous Monitoring

Collection Date/Time: 03/07/2022 12:05

Field ID: G3TLHR0019

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310509	SM 10200 H (mod.)	Chlorophyll-a, Corrected	3.4		ug/L	P411019	
		Phaeophytin-a	0.97	I	ug/L	P411019	
		Chlorophyll-a, Uncorrected	4.1		ug/L	P411019	
2310516	Enterolert/QT	Enterococci-Quanti-Tray	10.0	U	MPN/100 mL	P410888	
2310517	SM 9222 D	Fecal Coliforms-Membrane Filter	40		cfu/100 mL	P410844	

Ref. Method and Comment:

SM 10200 H (mod.): 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.

Enterolert/QT: Laboratory duplicate result is 10.0 U. Precision data is unavailable due to the small amount of analyte in the QC sample.

SM 9222 D: Laboratory duplicate result is 20 B. Precision data for this duplicate is unavailable due to the colony count falling outside of method acceptable range.

Quality Assurance Report Method Blank Results

Reference Method: Enterolert/QT

Batch ID: P410888

Component	Result	Code	Units
Enterococci-Quanti-Tray	1.0	U	MPN/100 mL

Reference Method: SM 10200 H (mod.)

Batch ID: P411019

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: SM 9222 D

Batch ID: P410844

Component	Result	Code	Units
Fecal Coliforms-Membrane Filter	2	U	cfu/100 mL

Reference Method: SM 9223 B Quanti-Tray

Batch ID: P410888

Component	Result	Code	Units
Escherichia Coli-Quanti-Tray	1.0	U	MPN/100 mL

Reference Method: SOP-PCR-1.0

Batch ID: P410798

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

Reference Method: SOP-PCR-1.2

Batch ID: P410798

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

Quality Assurance Report Method Blank Results

Reference Method: SOP-PCR-1.3
Batch ID: P410798

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

Reference Method: SOP-PCR-1.4
Batch ID: P410798

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

Reference Method: SOP-PCR-1.5
Batch ID: P410798

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 10200 H (mod.)
Batch ID: P411019

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	97.6		P	84 - 116

Reference Method: SOP-PCR-1.0
Batch ID: P410798

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
HF183-qPCR	75.0	82.8	P/P	50 - 175

Reference Method: SOP-PCR-1.2
Batch ID: P410798

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
GULL2-qPCR	97.5	82.3	P/P	50 - 300

Reference Method: SOP-PCR-1.3
Batch ID: P410798

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
GFD-qPCR	66.8	75.4	P/P	50 - 175

Reference Method: SOP-PCR-1.4
Batch ID: P410798

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
BacR-qPCR	79.6	20.1	P/F	50 - 175

Reference Method: SOP-PCR-1.5
Batch ID: P410798

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SOP-PCR-1.5
Batch ID: P410798

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
DG3-qPCR	75.2	21.7	P/F	50 - 175

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SOP-PCR-1.0
Batch ID: P410798

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310518	HF183-qPCR	74.5	73.1	P/P	50 - 175
2311119	HF183-qPCR	74.1		P	50 - 175
2311120	HF183-qPCR	82.1		P	50 - 175
2311451	HF183-qPCR	69.8		P	50 - 175
2311453	HF183-qPCR	82.8		P	50 - 175
2311510	HF183-qPCR	81.9		P	50 - 175
2311511	HF183-qPCR	89.6		P	50 - 175
2311512	HF183-qPCR	83.2		P	50 - 175
2311691	HF183-qPCR	77.0		P	50 - 175
2311729	HF183-qPCR	76.2		P	50 - 175
2311730	HF183-qPCR	87.9		P	50 - 175
2311753	HF183-qPCR	93.4		P	50 - 175

Reference Method: SOP-PCR-1.2
Batch ID: P410798

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310518	GULL2-qPCR	78.8	75.2	P/P	50 - 300
2311451	GULL2-qPCR	50.4		P	50 - 300
2311510	GULL2-qPCR	55.0		P	50 - 300
2311511	GULL2-qPCR	84.2		P	50 - 300
2311512	GULL2-qPCR	60.4		P	50 - 300
2311729	GULL2-qPCR	95.4		P	50 - 300
2311730	GULL2-qPCR	84.3		P	50 - 300
2311753	GULL2-qPCR	93.9		P	50 - 300

Reference Method: SOP-PCR-1.3
Batch ID: P410798

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310518	GFD-qPCR	86.6	83.8	P/P	50 - 175
2311451	GFD-qPCR	66.5		P	50 - 175
2311510	GFD-qPCR	89.3		P	50 - 175
2311511	GFD-qPCR	86.7		P	50 - 175
2311512	GFD-qPCR	88.9		P	50 - 175
2311729	GFD-qPCR	78.8		P	50 - 175
2311730	GFD-qPCR	87.8		P	50 - 175
2311753	GFD-qPCR	82.2		P	50 - 175

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SOP-PCR-1.4
Batch ID: P410798

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310518	BacR-qPCR	57.9	56.3	P/P	50 - 175
2311119	BacR-qPCR	71.5		P	50 - 175
2311120	BacR-qPCR	64.4		P	50 - 175
2311451	BacR-qPCR	45.9		F	50 - 175
2311453	BacR-qPCR	57.8		P	50 - 175
2311510	BacR-qPCR	48.1		F	50 - 175
2311511	BacR-qPCR	75.6		P	50 - 175
2311512	BacR-qPCR	52.6		P	50 - 175
2311691	BacR-qPCR	53.6		P	50 - 175
2311729	BacR-qPCR	66.4		P	50 - 175
2311730	BacR-qPCR	54.3		P	50 - 175
2311753	BacR-qPCR	66.3		P	50 - 175

Reference Method: SOP-PCR-1.5
Batch ID: P410798

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310518	DG3-qPCR	92.0	84.6	P/P	50 - 175
2311119	DG3-qPCR	88.6		P	50 - 175
2311120	DG3-qPCR	89.6		P	50 - 175
2311451	DG3-qPCR	70.9		P	50 - 175
2311453	DG3-qPCR	94.1		P	50 - 175
2311510	DG3-qPCR	73.7		P	50 - 175
2311511	DG3-qPCR	91.6		P	50 - 175
2311512	DG3-qPCR	74.6		P	50 - 175
2311691	DG3-qPCR	80.6		P	50 - 175
2311729	DG3-qPCR	81.4		P	50 - 175
2311730	DG3-qPCR	88.4		P	50 - 175
2311753	DG3-qPCR	88.4		P	50 - 175

Quality Assurance Report Precision

Reference Method: SM 10200 H (mod.)
Batch ID: P411019

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310735	Chlorophyll-a, Corrected	4.44	Sample	P	0 - 25
2310735	Chlorophyll-a, Uncorrected	4.65	Sample	P	0 - 25

Reference Method: SM 9223 B Quanti-Tray
Batch ID: P410888

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310510	Escherichia Coli-Quanti-Tray	39.9	Sample	P	0 - 80

Quality Assurance Report Precision

Reference Method: SOP-PCR-1.0
Batch ID: P410798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310518	HF183-qPCR	1.86	Spike	P	0 - 25

Reference Method: SOP-PCR-1.2
Batch ID: P410798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310518	GULL2-qPCR	4.65	Spike	P	0 - 25

Reference Method: SOP-PCR-1.3
Batch ID: P410798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310518	GFD-qPCR	3.23	Spike	P	0 - 25

Reference Method: SOP-PCR-1.4
Batch ID: P410798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310518	BacR-qPCR	2.73	Spike	P	0 - 25

Reference Method: SOP-PCR-1.5
Batch ID: P410798

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310518	DG3-qPCR	8.33	Spike	P	0 - 25

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

Quality Assurance Report Surrogates

Lab Sample ID: 2310518
Field Sample ID: G3TLHR0017

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
SOP-PCR-1.0	SKETA-qPCR	93.0	P	50 - 300
SOP-PCR-1.0	SKETA-qPCR	89.3	P	50 - 300
SOP-PCR-1.2	SKETA-qPCR	100	P	50 - 300
SOP-PCR-1.2	SKETA-qPCR	107	P	50 - 300
SOP-PCR-1.3	SKETA-qPCR	106	P	50 - 300
SOP-PCR-1.3	SKETA-qPCR	105	P	50 - 300
SOP-PCR-1.4	SKETA-qPCR	103	P	50 - 300
SOP-PCR-1.4	SKETA-qPCR	108	P	50 - 300
SOP-PCR-1.5	SKETA-qPCR	78.1	P	50 - 300
SOP-PCR-1.5	SKETA-qPCR	88.3	P	50 - 300

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery			LCS	Precision	MS
								SMP	
SM 10200 H (mod.)	Chlorophyll-a, Corrected	97.6						4.44	
	Chlorophyll-a, Uncorrected							4.65	
SM 9223 B Quanti-Tray	Escherichia Coli-Quanti-Tray							39.9	
SOP-PCR-1.0	HF183-qPCR	82.8	75.0	74.5	73.1	74.1			1.86
				82.1					
SOP-PCR-1.2	GULL2-qPCR	82.3	97.5	78.8	75.2	50.4			4.65
				55.0					
SOP-PCR-1.3	GFD-qPCR	75.4	66.8	86.6	83.8	66.5			3.23
				89.3					
SOP-PCR-1.4	BacR-qPCR	20.1	79.6	57.9	56.3	71.5			2.73
				64.4					
SOP-PCR-1.5	DG3-qPCR	21.7	75.2	92.0	84.6	88.6			8.33
				89.6					

Reference Method Descriptions

Method	Description	Associated Samples
Enterolert/QT	Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems	2310511, 2310513, 2310516
SM 10200 H (mod.)	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry	2310506, 2310507, 2310508, 2310509
SM 9222 D	Fecal coliforms by membrane filter method - non-chlorinated water systems	2310512, 2310514, 2310517
SM 9223 B Quanti-Tray	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems	2310510, 2310515
SOP-PCR-1.0	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction	2310518
SOP-PCR-1.2	Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction	2310518
SOP-PCR-1.3	Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction	2310518
SOP-PCR-1.4	Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction	2310518
SOP-PCR-1.5	Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction	2310518

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
Enterolert/QT	03/07/2022	03/07/2022 16:22	Tynan A Branch	03/08/2022 16:51	Jillian G Hanley	2310511, 2310513, 2310516
SM 10200 H (mod.)	03/07/2022	03/07/2022 16:25	Joel Wharton	03/10/2022 15:40	Jillian G Hanley	2310506, 2310507, 2310508, 2310509
SM 9222 D	03/07/2022	03/07/2022 16:32	Amber S. Eells	03/08/2022 15:22	Carina A. Tull	2310512, 2310514, 2310517
SM 9223 B Quanti-Tray	03/07/2022	03/07/2022 17:00	Tynan A Branch	03/08/2022 11:22	Tynan A Branch	2310510, 2310515
SOP-PCR-1.0	03/07/2022	03/08/2022 14:45	Jennifer Mihalic	04/11/2022 14:21	Roberta Tatti	2310518
SOP-PCR-1.2	03/07/2022	03/08/2022 14:45	Jennifer Mihalic	04/14/2022 09:52	DeAsia Armster	2310518
SOP-PCR-1.3	03/07/2022	03/08/2022 14:45	Jennifer Mihalic	04/14/2022 11:31	DeAsia Armster	2310518
SOP-PCR-1.4	03/07/2022	03/08/2022 14:45	Jennifer Mihalic	04/11/2022 11:46	DeAsia Armster	2310518
SOP-PCR-1.5	03/07/2022	03/08/2022 14:45	Jennifer Mihalic	04/12/2022 10:12	Roberta Tatti	2310518