

Biological Analysis Report

WQ-ASSESS-2017-02-22-01

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

Event Description: **Tallahassee, Quincy**
Request ID: **RQ-2017-02-20-27**
Customer: **WQ-ASSESS**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
Division Of Water Facilities, FL DEP
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Certified by: Cheryl A. Swanson, Environmental Manager

Date Certified: 03-APR-2017 13:13



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 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: AJ HENRY PARK POND MIDDLE

Collection Date/Time: 02/22/2017 08:15

Field ID: G1WA0058-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874851	SM 10200 H (mod.)	Chlorophyll-a, Corrected	290		ug/L	P320782	
		Phaeophytin-a	4.3	I	ug/L	P320782	
		Chlorophyll/Phaeophytin Ratio	1.7			P320782	
		Chlorophyll-a, Uncorrected	310		ug/L	P320782	

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: LAKE ARROWHEAD AT BOAT DOCK AT TURTLE CRK LN NEAR OUTLET

Collection Date/Time: 02/22/2017 08:55

Field ID: G1WA0004-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874852	SM 10200 H (mod.)	Chlorophyll-a, Corrected	36		ug/L	P320782	
		Phaeophytin-a	4.9	I	ug/L	P320782	
		Chlorophyll/Phaeophytin Ratio	1.6			P320782	
		Chlorophyll-a, Uncorrected	40		ug/L	P320782	

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: TALLAVANNA LAKE MIDDLE

Collection Date/Time: 02/22/2017 09:50

Field ID: G1WA0045-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874853	SM 10200 H (mod.)	Chlorophyll-a, Corrected	88		ug/L	P320831	
		Phaeophytin-a	8.9		ug/L	P320831	
		Chlorophyll/Phaeophytin Ratio	1.6			P320831	
		Chlorophyll-a, Uncorrected	97		ug/L	P320831	

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: TALLAVANNA LAKE MIDDLE

Collection Date/Time: 02/22/2017 09:50

Field ID: G1WA0045-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874857	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	20.2		MPN/100 mL	P320491	

Sample Location: SWAMP CREEK UPSTREAM OF RAILROAD

Collection Date/Time: 02/22/2017 10:35

Field ID: G1WA0052-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874854	SM 10200 H (mod.)	Chlorophyll-a, Corrected	3.2	I	ug/L	P320831	
		Phaeophytin-a	1.4	I	ug/L	P320831	
		Chlorophyll/Phaeophytin Ratio	1.5			P320831	
		Chlorophyll-a, Uncorrected	4.2		ug/L	P320831	

Field ID: G1WA0052-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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: SWAMP CREEK UPSTREAM OF RAILROAD Collection Date/Time: 02/22/2017 10:35

Field ID: G1WA0052-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874858	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	3873.2		MPN/100 mL	P320491	

Sample Location: SWAMP CREEK UPSTREAM OF RAILROAD Collection Date/Time: 02/22/2017 10:35

Field ID: G1WA0052-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874863	SOP-PCR-1.0	HF183-qPCR**	120	T	GEU/100 mL	P320829	RPD
	SOP-PCR-4.0	HF183 - Human Source Marker**	Above Threshold				

Sample Location: SALEM BRANCH DOWNSTEAM OF SR 159 Collection Date/Time: 02/22/2017 11:05

Field ID: G1WA0053-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874859	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	419.5		MPN/100 mL	P320491	

Sample Location: SALEM BRANCH DOWNSTEAM OF SR 159 Collection Date/Time: 02/22/2017 11:05

Field ID: G1WA0053-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874864	SOP-PCR-1.0	HF183-qPCR**	140	UJ	GEU/100 mL	P320829	RPD, SUR
	SOP-PCR-1.2	GULL2-qPCR**	4.2E+04	U	TSC/100 mL	P320829	
	SOP-PCR-1.3	GFD-purified-qPCR**	130	TJ	TSC/100 mL	P320888	LCS, MS
	SOP-PCR-4.0	HF183 - Human Source Marker**	Above Threshold				

Ref. Method and Comment:
 SOP-PCR-1.0: No amplification of HF183 marker. Quality control failure(s) observed. See QA report for details.
 SOP-PCR-1.2: No amplification of GULL2 marker.
 SOP-PCR-1.3: Analyte detected at a level below the current nominal MDL. Quality control failure(s) observed. See QA report for details.

Sample Location: HARBINWOOD ESTATES DRAIN Collection Date/Time: 02/22/2017 11:40

Field ID: G1WA0034-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874860	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	10.0	U	MPN/100 mL	P320491	

Sample Location: HARBINWOOD ESTATES DRAIN Collection Date/Time: 02/22/2017 11:40

Field ID: G1WA0034-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874865	SOP-PCR-4.0	HF183 - Human Source Marker**	Below Threshold				

Sample Location: MEGGINNIS ARM RUN DOWNSTREAM OF SHARER Collection Date/Time: 02/22/2017 12:05

Field ID: G1WA0033-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874855	SM 10200 H (mod.)	Chlorophyll-a, Corrected	1.2	I	ug/L	P320831	
		Phaeophytin-a	0.40	U	ug/L	P320831	
		Chlorophyll/Phaeophytin Ratio	1.5			P320831	
		Chlorophyll-a, Uncorrected	1.4		ug/L	P320831	

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: MEGGINNIS ARM RUN DOWNSTREAM OF SHARER Collection Date/Time: 02/22/2017 12:05

Field ID: G1WA0033-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874861	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	2281.8		MPN/100 mL	P320491	

Sample Location: GODBY DRAINAGE DITCH AT PROGRESS DR. Collection Date/Time: 02/22/2017 12:45

Field ID: G1WA0061-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874856	SM 10200 H (mod.)	Chlorophyll-a, Corrected	4.1		ug/L	P320831	
		Phaeophytin-a	3.1		ug/L	P320831	
		Chlorophyll/Phaeophytin Ratio	1.4			P320831	
		Chlorophyll-a, Uncorrected	5.9		ug/L	P320831	

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: GODBY DRAINAGE DITCH AT PROGRESS DR. Collection Date/Time: 02/22/2017 12:45

Field ID: G1WA0061-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874862	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	6131.4		MPN/100 mL	P320491	

Sample Location: GODBY DRAINAGE DITCH AT PROGRESS DR. Collection Date/Time: 02/22/2017 12:45

Field ID: G1WA0061-02222017

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
1874866	SOP-PCR-1.0	HF183-qPCR**	64	T	GEU/100 mL	P320829	RPD
	SOP-PCR-4.0	HF183 - Human Source Marker**	Above Threshold				

Quality Assurance Report Method Blank Results

Reference Method: SM 10200 H (mod.)
 Batch ID: P320782

Component	Result	Code	Units
Chlorophyll-a, Corrected	0.55	U	ug/L
Chlorophyll-a, Uncorrected	0.40	U	ug/L
Phaeophytin-a	0.40	U	ug/L

Quality Assurance Report Method Blank Results

Reference Method: SM 10200 H (mod.)
 Batch ID: P320831

Component	Result	Code	Units
Chlorophyll-a, Corrected	0.55	U	ug/L
Chlorophyll-a, Uncorrected	0.40	U	ug/L
Phaeophytin-a	0.40	U	ug/L

Reference Method: SM 9223 Quanti-Tray
 Batch ID: P320491

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

Reference Method: SOP-PCR-1.0
 Batch ID: P320829

Component	Result	Code	Units
HF183-qPCR	280	U	GEU/100 mL

Reference Method: SOP-PCR-1.3
 Batch ID: P320888

Component	Result	Code	Units
GFD-purified-qPCR	4.0E+04	U	TSC/100 mL

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 10200 H (mod.)
 Batch ID: P320782

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	94.5		P	84 - 116

Reference Method: SM 10200 H (mod.)
 Batch ID: P320831

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	93.3		P	84 - 116

Reference Method: SOP-PCR-1.0
 Batch ID: P320829

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
HF183-qPCR	86.3	127	P/P	50 - 175

Reference Method: SOP-PCR-1.3
 Batch ID: P320888

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
GFD-purified-qPCR	103	17.1	P/F	50 - 175

Quality Assurance Report Matrix Spike Accuracy

Quality Assurance Report Matrix Spike Accuracy

Reference Method: SOP-PCR-1.0

Batch ID: P320829

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1870817	HF183-qPCR	92.4		P	50 - 175
1873532	HF183-qPCR	84.6		P	50 - 175
1873533	HF183-qPCR	88.1		P	50 - 175
1874863	HF183-qPCR	81.1		P	50 - 175
1874864	HF183-qPCR	63.6		P	50 - 175
1874866	HF183-qPCR	68.3		P	50 - 175
1876739	HF183-qPCR	90.8		P	50 - 175
1877297	HF183-qPCR	51.0	67.8	P/P	50 - 175
1877298	HF183-qPCR	68.7		P	50 - 175
1877299	HF183-qPCR	64.6		P	50 - 175
1877300	HF183-qPCR	74.9		P	50 - 175
1877301	HF183-qPCR	73.7		P	50 - 175

Reference Method: SOP-PCR-1.2

Batch ID: P320829

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1874864	GULL2-qPCR	80.8		P	50 - 300
1876739	GULL2-qPCR	94.9		P	50 - 300

Reference Method: SOP-PCR-1.3

Batch ID: P320888

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1872963	GFD-purified-qPCR	91.9	109	P/P	50 - 175
1872964	GFD-purified-qPCR	124		P	50 - 175
1872965	GFD-purified-qPCR	112		P	50 - 175
1873034	GFD-purified-qPCR	83.5		P	50 - 175
1873071	GFD-purified-qPCR	72.2		P	50 - 175
1874753	GFD-purified-qPCR	110		P	50 - 175
1874864	GFD-purified-qPCR	19.8		F	50 - 175
1876739	GFD-purified-qPCR	84.2		P	50 - 175
1878468	GFD-purified-qPCR	121		P	50 - 175

Quality Assurance Report Precision

Reference Method: SM 10200 H (mod.)

Batch ID: P320782

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1874790	Chlorophyll/Phaeophytin Ratio	0.0	Sample	P	0 - 25
1874790	Chlorophyll-a, Corrected	11.5	Sample	P	0 - 25
1874790	Chlorophyll-a, Uncorrected	9.88	Sample	P	0 - 25

Reference Method: SM 10200 H (mod.)

Batch ID: P320831

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
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Quality Assurance Report Precision

Reference Method: SM 10200 H (mod.)
 Batch ID: P320831

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1875121	Chlorophyll/Phaeophytin Ratio	0.0	Sample	P	0 - 25
1875121	Chlorophyll-a, Corrected	7.84	Sample	P	0 - 25
1875121	Chlorophyll-a, Uncorrected	7.43	Sample	P	0 - 25

Reference Method: SM 9223 Quanti-Tray
 Batch ID: P320491

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1874989	Escherichia Coli-Quanti-Tray	19.7	Sample	P	0 - 80

Reference Method: SOP-PCR-1.0
 Batch ID: P320829

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1877297	HF183-qPCR	28.2	Spike	F	0 - 25

Reference Method: SOP-PCR-1.2
 Batch ID: P320829

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1872963	GULL2-qPCR	17.2	Spike	P	0 - 25

Reference Method: SOP-PCR-1.3
 Batch ID: P320888

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
1872963	GFD-purified-qPCR	16.9	Spike	P	0 - 25

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
 Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Surrogates

Lab Sample ID: 1874863
 Field Sample ID: G1WA0052-02222017

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
SOP-PCR-1.0	SKETA-qPCR	83.1	P	50 - 300

Lab Sample ID: 1874864
 Field Sample ID: G1WA0053-02222017

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
SOP-PCR-1.0	SKETA-qPCR	43.1	F	50 - 300
SOP-PCR-1.2	SKETA-qPCR	81.9	P	50 - 300

Quality Assurance Report Surrogates

Lab Sample ID: 1874866
 Field Sample ID: G1WA0061-02222017

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
SOP-PCR-1.0	SKETA-qPCR	63.5	P	50 - 300

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	LCS	Precision SMP	MS
SM 10200 H (mod.)	Chlorophyll/Phaeophytin Ratio				0.0	
	Chlorophyll/Phaeophytin Ratio				0.0	
	Chlorophyll-a, Corrected	94.5			11.5	
	Chlorophyll-a, Corrected	93.3			7.84	
	Chlorophyll-a, Uncorrected				9.88	
	Chlorophyll-a, Uncorrected				7.43	
SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray				19.7	
SOP-PCR-1.0	HF183-qPCR	127	86.3	51.0 67.8 68.7 64.6		28.2
SOP-PCR-1.2	GULL2-qPCR			80.8 94.9		17.2
SOP-PCR-1.3	GFD-purified-qPCR	17.1	103	91.9 109 124 112		16.9

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
SM 10200 H (mod.) / E31780	Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry	1874851, 1874852, 1874853, 1874854, 1874855, 1874856
SM 9223 Quanti-Tray / E31780	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems	1874857, 1874858, 1874859, 1874860, 1874861, 1874862
SOP-PCR-1.0 / E31780	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction	1874863, 1874864, 1874866
SOP-PCR-1.2 / E31780	Detection and quantification of coastal bird specific Catellicoccus marimammalium genetic marker with quantitative polymerase chain reaction	1874864
SOP-PCR-1.3 / E31780	Detection and quantification of bird specific Helicobacter genetic marker with quantitative polymerase chain reaction	1874864
SOP-PCR-4.0 / E31780	Preparation of Samples by Filtration and held for qPCR Analysis	1874863, 1874864, 1874865, 1874866

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 10200 H (mod.)	02/22/2017	02/22/2017 13:55	Carina A. Tull	02/28/2017	Brian Cumbie	1874851, 1874852
	02/22/2017	02/22/2017 13:55	Carina A. Tull	03/01/2017	Jennifer Mihalic	1874853, 1874854, 1874855, 1874856
SM 9223 Quanti-Tray	02/22/2017	02/22/2017 14:45	Jennifer Mihalic	02/23/2017 09:35	Jennifer Mihalic	1874857, 1874858, 1874859, 1874860, 1874861, 1874862
SOP-PCR-1.0	02/22/2017	02/22/2017 15:15	Sarah Menz	03/09/2017	Puja Jasrotia	1874863, 1874864, 1874866
SOP-PCR-1.2	02/22/2017	02/22/2017 15:15	Daisys Matthews	03/13/2017	Sarah Menz	1874864
SOP-PCR-1.3	02/22/2017	02/22/2017 15:15	Sarah Menz	03/22/2017	Sarah Menz	1874864
SOP-PCR-4.0	02/22/2017	02/22/2017 15:15	Avril Wood	03/03/2017	Daisys Matthews	1874863, 1874864, 1874865, 1874866