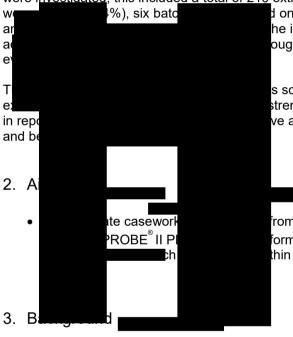
Extraction Batch Audit

Angelina Keller, Rebecca Gregory, Susan Brady, Cathie Allen DNA Analysis FSS (September 2008)

1. Abstract

An internal audit of the extraction process was deemed necessary to address adverse quality events identified through the laboratory quality system and Opportunity for Quality Improvement (OQI) process. The purpose of this audit was to maintain the continuous high quality standards within the DNA Analysis laboratory.

All initial results obtained from casework samples processed with DNA IQ[™] and the MultiPROBE[®] II PLUS HT EX platforms between the 23 October 2007 and the 28 July 2008 were investigated, this included a total of 216 extraction batches. Of these, 202 batches



d on hold pending the release of results (3%) he involvement in previous OQI's (2%). An ough the identification of new contamination

s scientists with a new tool to reinforce the strengthening the confidence scientists have ve applications outside the scope of this audit

forms for **Constructions** processed with **Children** forms for **Construction** processed with **Children** forms for **Construction** patch.

Through the laboratory quality system (OQI process) a number of adverse quality events, were identified on the MultiPROBE[®] II platforms. Five OQI's (18580, 19349, 19477, 19768 and 20231) had previously been raised to address a dropped Slicprep[™] 96 Device plate and profiles in the negative controls. The management team convened and a decision was made to conduct an internal audit of the management team.

Initial investigations were unable to determine whether the contamination events originally identified were due to the MultiPROB and the DNA IQ[™] process. The mark the sale of a combination of the platforms and the DNA IQ[™] process. The mark the sale of t

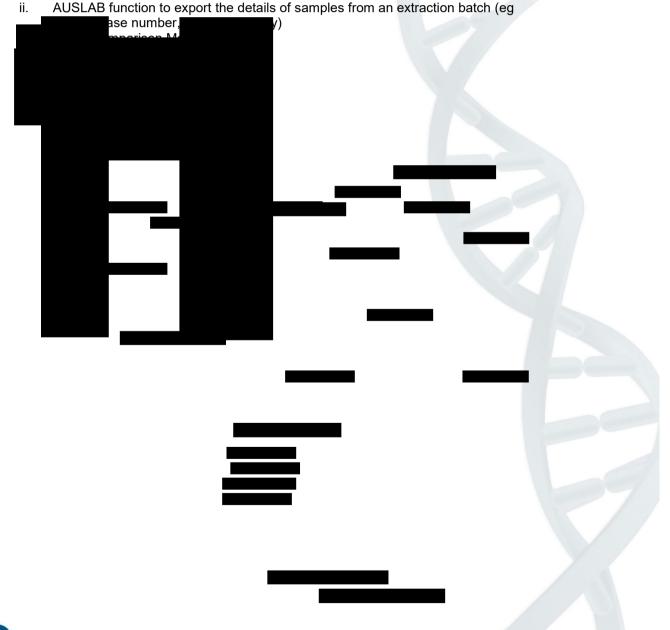


Forensic and Scientific Services CaSS

Laboratory Information Systems and Solutions (LISS) in association with Thomas Nurthern (DNA Analysis, Forensic Scientific Services (FSS)) created an export file from AUSLAB. This function exported the initial results obtained from an extraction batch to a text file that could then be imported into Microsoft Excel. Timothy Gardam (DNA Analysis, FSS) developed a results comparison macro that identified any matches of >12 alleles between samples from within an extraction batch. This matching stringency was determined by the management team in alignment with the upload stringency of the National Criminal Investigation DNA Database (NCIDD).

4. Equipment and Materials

- AUSLAB function to export the initial results from an extraction batch i.
- AUSLAB function to export the details of samples from an extraction batch (eg





5. Methods

5.1. Extraction Audit Progress

i. The status of each extraction batch was recorded in an Excel spreadsheet titled Batch Audit Progress, located in I:/Extraction Audit (See Figure. 1 – Batch Audit Progress).

×	Microsoft Excel - Batch	Audit Progress)					- 7 🛛
e	Eile Edit ⊻iew Insert	Format Tools	: <u>D</u> ata <u>W</u> indow <u>H</u>	<u>i</u> elp				Type a question for help 🛛 🚽 🛃 🗙
Г	- 🌶 🔲 🗞 🖓 🖓 🖏	- 🗈 🗠 - 🕻	🖲 Σ + 👌 🕼 10	00% 🗸 ? »	Arial	- 10	• B Z	⊻ ≡ ≡ ≡ ፼ \$ % ∉ ⊡ • <u>≫</u> • <u>▲</u> •
-		On Hold						= - - - E · · · 7 2 <mark>-</mark> •
	A	B	С	D	E	F	G	H
1	Extraction Batch	Date Started	Date Complete	Outcome	Batch	Specimen Note Added	Batch Audit	Comments
2 3		15/08/2008				Yes	Yes	All matches checked, no queries
		15/08/2008		Plate OK		Yes	Yes	All matches checked, no queries
4		15/08/2008						
5		15/08/2008						
ì		15/08/2008						
7		15/08/2008						
3		15/08/2008						
9								
0 1								
2								
2 3								
4								
5								
6								
7								
8								
9								
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
0								
1								
2								
33								
34 86								
	♦ ▶ N\Sheet1 / Sheet	2 / Sheet3 /	1	1			•	▶
۶ĉ	idy							NUM

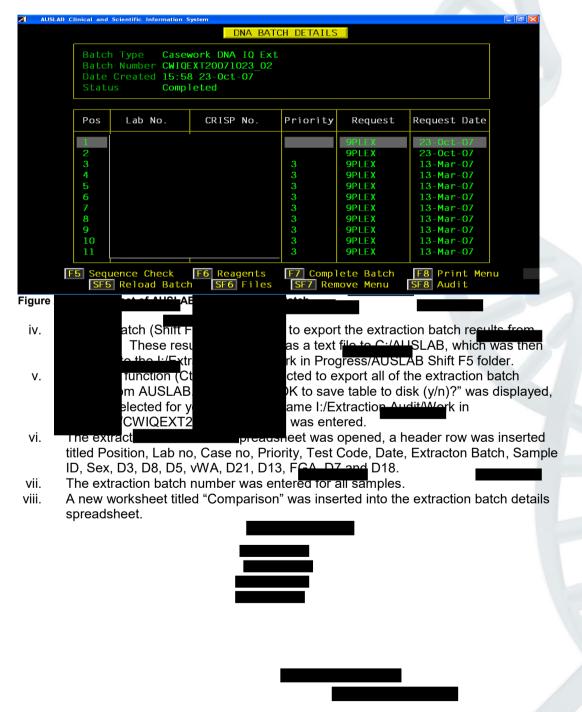
Figure 1. – Screen shot of Batch Audit Progress





5.2. Virtual Platemap of Extraction Batch

- i. AUSLAB was opened.
- ii. Options 5. (Workflow Management) and 2. (DNA Batch Details) were selected.
- iii. The Extraction Batch number was entered (eg. CWIQEXT20071023_02). The DNA Extraction Batch Details were displayed (See Figure 2. – AUSLAB DNA Extraction Batch Details).





- ix. The extraction batch results text file (located in the Shift F5 folder) was opened with Microsoft Excel, all of the results were copied and then pasted into the extraction batch details spreadsheet. This entire spreadsheet was the virtual plate map of the extraction batch (See Figure 3. Virtual plate map).
- x. If result fields were blank in the virtual plate map, it was necessary to check the status of samples in AUSLAB. Reasons for no results included samples still being processed, pooling, immediate reworking, cease work or samples had not automatically progressed to quantification. Any explanations for blank result fields were noted in the virtual plate map. For samples that had failed to progress to quantification, a re-quant had to be ordered in AUSLAB. The test code for this was REQC.

<u>File</u>	<u>E</u> dit ⊻iew Insert	Format	Tools	<u>D</u> ata <u>W</u> in	dow <u>H</u> elp								Type a q	uestion for	help ·	- 8
i 🖉 🔚	1 🔁 🎒 🖏 🖤		- 🥘	Σ - 2↓	10%	• 🕐 🐥 Ari	əl		• 10 •	B / I	I 🖹 🗄		6 %	€ 🖽 •	• 🕭 •	<u>A</u> -
H66																
A	B C	D	E	F	G	н	1	J	К	L	M	N	0	P	Q	R ·
Position	Lab no Case no	Priority	Test coo 9PLEX	23-Oct-07	Extraction bat	ch SAMPLE ID	SE)	D3	D8	DS NSD	VWA	D21 NSD	D13 NSD	FGA	D7 NSD	D18 NSD
2			9PLEX	23-Dct-07				NSD 17,18	NSD 11.13	NSD 11.11	NSD 14.17	30.32.2	NSD 8.12	NSD 24.25	10.11	NSD 13,14
2		3	SPLEX	13-Mar-07				15,17	11,13	10,12,13	16,17,18,19	NR,NR,32.2,38.2		24,25	NB,10,11	14,16
4		3	9PLEX	13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
5		3	9PLEX	13-Mar-07				15.16	12.13	11.12	17.NB	NBNB	NSD	NB.NB	NSD	NBNB
6		3	9PLEX	13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
7		3	9PLEX	13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
8		3	9PLEX	13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
9		3	9PLEX	13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
10		3	9PLEX	[13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
11		3	9PLEX	13-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
12		3	9PLEX	13-Mar-07				15,17	12,13	11,13	15,16	28,33.2	11,13	21,26	NR,NR	16,18
13		3	9PLEX 9PLEX	13-Mar-07				NSD 10	NSD	NSD	NSD	NSD	NSD	NSD ND 00	NSD	NSD
14		3	9PLEX 9PLEX	14-Mar-07 14-Mar-07				16,18	10,14	11,11	NB,NB	NB,NB	NB,NB	NR,26	NB,NB	NB,NB
10		3	9PLEX 9PLEX	14-Mar-07				Sample por NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
17		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
18		3	9PLEX	14-Mar-07				16,18	12,14	11.11	16,16	29,29	11,14	23,26	10,14	12,13
19		3	9PLEX	14-Mar-07				16.17	12.13	12.12	15.18	27.32.2	8.11	20.23	NB.NB	15.15
20		3	9PLEX	14-Mar-07				Cease worl	requested.							
21		3	9PLEX	14-Mar-07				14,16	13,14	11,12	15,16	29,30.2	12,14	22,23	8,10	16,16
22		3	9PLEX	14-Mar-07				NB,NB	NR,NR	NR,NR	NSD	NSD	NB,NB	NB,NB	NSD	NSD
23		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
24		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
25		3	9PLEX	[14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
26	-	3	9PLEX	4-Mar-07				15,16	13,15	12,13	14,18	31,32.2	11,13	24,25	8,12	12,13
27		3	9PLEX	14-Mar-07			_	15,16	10,12	11,12	17,18	29,30	12,12	21,24	NR,NR	15,NR
28		3	9PLEX	14-Mar-07			_	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
29 30		3	9PLEX 9PLEX	14-Mar-07 14-Mar-07				15,NR 15,16	NB,NB,NB 10,12	11,NR 11,12	NB,NB 17,18	NB,NB 29.30	NR,NR 12,12	NB,NB,NB 21,NB,24	NB,NB NB,11	NSD 15,16
30	-	3	SPLEA	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
32		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
33		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
34		3	9PLEX	14-Mar-07				15,16	10,12	11,12	NR,18	NBNB	NB,NB	NR,NR	NSD	NRNR
35		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
36		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
37		3	9PLEX	[14-Mar-07				15,16	10,12	11,12	17,18	29,30	12,12	21,24	10,11	15,16
38		3	9PLEX	[14-Mar-07				15,16,17,18	12,NB,14,NB			28,NR,31.2	8,NR,12	NR,25	NB,NB	14,14
39		3	9PLEX	14-Mar-07				17,NB	NB,NB	11,11	16,NR	NB,NB	NSD	NR,NR	NSD	NSD
40		3	9PLEX	14-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
41		3	9PLEX 9PLEX	15-Mar-07 15-Mar-07				NSD 17.NB	NSD	NSD NB,NB	NSD	NSD	NSD NSD	NSD NBJNB	NSD NSD	NSD NSD
42 43		3	9PLEX 9PLEX	15-Mar-07				17,NH 15,NH	NB,NB NB,NB	NR,NR	NB,NB NSD	NSD NSD	NSD	NR,NR NSD	NSD	NSD
44		3	9PLEX	15-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
45		3	9PLEX	15-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
46		3	9PLEX	16-Mar-07				15,19	12,13	12,13	16,16	28,31.2	11,12	23,23	NR.NR	NR,19
47		3	9PLEX	16-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
48		3	9PLEX	16-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
49		3	9PLEX	16-Mar-07				15,18	13,15	12,12	15,18	29,29	11,11	23,24	10,10	10,15
50		3	9PLEX	[16-Mar-07				16,17	14,15	11,13	NB,NB	NSD	NSD	NR,NR	NSD	NSD
51	20000-0114 08 0000010-	3	9PLEX	[16-Mar-07				NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD	NSD
b b	CWIOEXT200710	23 02 /	Compa	rison /					4							

Figure 3. - Screen shot of virtual plate map





CaSS Forensic and Scientific Services I CLINICAL AND STATEWIDE SERVICE 5.3. Extraction Batch Comparison i. The Batch Comparison Macro in I:/Macros/testing was opened.

- ii. Compare Profiles was selected.
- iii. A prompt window "Choose a file for match comparison" was displayed. The extraction batch results text file to be compared (located in the Shift F5 folder) was selected. This generated the batch profile comparison results (See Figure 4. Batch profile comparison results).
- iv. This page was copied and pasted into the comparison worksheet of the virtual plate map, and then printed to include the extraction batch number as a hard copy record.

Ē	jle <u>E</u> dit	⊻iew	Ī	nsert	Format	Tools	Data	<u>W</u> ind	ow <u>H</u> e	elp								Type a	questic	on for l	help	1	9 3
D	2 🔲 😼	16	D	ABC		Q	Σ	• <u>2</u>	100	. %	🤶 😤 A	rial		• 10 • B	ΙU		9	%	€≣		<u></u> -	Α	
		-		fx.																			
	A			В	С	D	E	F	G	Н		J	K	L	N	0	P		Q		R		ţ
	Samp	le ID		Amel	<u>D3</u>	<u>D8</u>	<u>D5</u>	<u>vWA</u>	<u>D21</u>	<u>D13</u>	FGA	<u>D7</u>	<u>D18</u>	Match Score	Compa	re Profiles							
					15,16	10,12	11,12	17,18	29,30	12,12	21,24	NR,NR	15,NR	15									
					15,16						21,NR,24		15,16	15									
										12,12		NR,NR		15									
					15,16	10,12	11,12	17,18	29,30	12,12	21,24	10,11	15,16	15									
					45.40	10.40	44.40	47.40	00.00	10.40	D4 ND D4	ND 44	45.40	17						_		_	
											21,NR,24 21,24		15,16	17			-					_	
					10,16	10,12	11,12	17,18	29,30	12,12	21,24	10,11	15,16	1/									
																				-			
																	_						
																				_		_	
																				_		_	
			_																	_		_	
												-					-					_	
			_					1				-											-
																-				-			-6

See Figure 4. – Screen shot of the batch profile comparison results

The batch comparison macro identified any matches of >12 alleles between samples from within an extraction batch. Matching alleles indicated in yellow. Light yellow indicated one matching allele, and database indicated at least two matching alleles. The number of matching alleles between same listed in the column titled Match Score.



Page 6 of 15

5.4. Checking Matches

- i. AUSLAB was opened.
- ii. Options 5. (Workflow Management) and 2. (DNA Batch Details) were selected.
- iii. The Extraction Batch number was entered (eg. CWIQEXT20071023_02).
- iv. The first matching sample highlighted by the Macro was selected. Sample details were noted (eg. exhibit type). This was repeated for the second matching sample. If both samples were from the same exhibit and/or case this match was passed. Comments for each match were entered into the comparison worksheet within the virtual plate map (See Figure 5. Batch profile comparison results/comments).

	Eile Edit ⊻iew]	nsert	Format	Tools	⊵ata	<u>W</u> indo	ow <u>H</u> e	lp							Type a qu	estion for help		×
								Arial		- 1	0 • J	8 / <u>U</u> =	≣ ≣ ፼ \$	% , 5	8 ;98 🞼	信	🕭 - <u>A</u> -	• .
	🛩 🖪 🔨 🎒 🖸	ABC	X 🗈	A -	1 k	7 - C	- 0	.Σ.+	AL ZI									
	H59 -	fx ▼	00		.× -		68	9	ZVAV	<u>us</u> .«•		~~ +						
Π	A .	B	С	D	E	F	G	Н		J	K	L	М		N	0	Р	-
ľ	Sample ID	Amel		D8		vWA			FGA	D7		Match Score		nts		0		-
			15,16	10,12	11,12	17,18	29,30	12,12		NR,NR			Cigarette butt, sa	me case				
			15,16	10,12	11,12	17,18	29,30	12,12	21,NR,24	NR,11	15,16	15	Straw, same cas	е				
						17,18				NR,NR			Cigarette butt, sa					
			15,16	10,12	11,12	17,18	29,30	12,12	21,24	10,11	15,16	15	Cigarette butt, sa	ame case				
			15 16	10.12	11.12	17.18	20.30	12.12	21,NR,24	ND 11	15,16	17	Straw, same cas	0				
			15,16	10,12	11 12	17,18	29,30	12,12	21,000,24		15,16		Cigarette butt, sa					
ſ																		
L																		
Ļ																		
ŀ																		
ł																		
ł																		
t																		
t																		
L																		
Ļ																		
ŀ																		
┝																		
t																		
t																		
f																		
Ĺ																		
L		-																
ŀ																		
ŀ																		-
1	► H \ CWIQEXT2	007102	20.2	Com	 narisor				1			•						ŕ
Jy				Acount	Janoor	•/										NUM		4

- v. If the extraction batch was released at this stage, Audit (Shift F8) and Insert Audit Trail (F5) was selected from the extraction batch and "Extraction batch audit complete. Plate released" was entered. A speciment state also entered for each sample on the extraction batch.
- vii. The Batch Audit Progress spread about support plated with all outcomes.
- viii. Both the Batch Audit Progress spreadsheet and all finalised virtual plate maps were password protected to ensure the integrity of these documents.



5.5 Further Investigation

- i. For matches requiring further investigation, Genotyper printouts were obtained and case details were noted eg. address, date and type of alleged offence.
- ii. Nominated case scientists performed both mixture and single source interpretations.
- iii. If matches were excluded, the paperwork was returned for filing, and both AUSLAB and the Batch Audit Progress spreadsheet were updated.
- iv. If possible, re-sampling was conducted to confirm matches between single source profiles from different cases. Where re-sampling was not possible, the original spin baskets were re-extracted.



5.6 Contamination Events

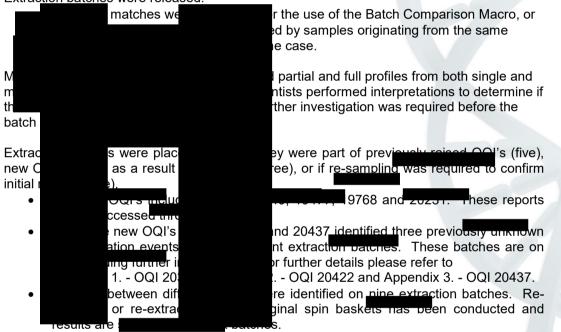
6. Results

It was identified that there were 278 extraction batches processed through DNA IQ[™] and on the MultiPROBE[®] II platforms from the 23 October 2007 to the 28 July 2008 (See Table 1. - Current status of audited extraction batches). These extraction batches were filed in six extraction folders (Volumes 28-33) located in the Analytical Section.

Table 1. – Current status of audited extraction batches

Total number of extraction batches	278
Extraction batches released	202
Extraction batches on hold	14
Extraction batches removed	62

Extraction batches were released:



There were five extraction batches where 53 samples had not progressed to Quantification. To finalise initial results a new test code entry was required in AUSLAB.

Extraction batches were removed in AUSLAB for several reasons. These included:

- controls not being added
- incorrect sample type (tapelifte or monual extraction)
- incorrect batch type (off-deck basis)
- requiring smaller batch sizes (urgent comples)



Forensic and Scientific Services CaSS

7. Discussion

From the 278 extraction batches included in this audit, a total of 202 batches were released. Of these:

- 22 batches returned no matches after the use of the Batch Comparison Macro.
- 157 batches returned matches that could be explained without further investigation.
- 20 batches were initially identified as requiring further interpretation by a nominated case scientist, but were subsequently passed as there was no evidence of contamination.
- 3 batches were re-sampled and passed as the profiles obtained from re-sampling matched the original profiles.

A total of 14 extraction batches were placed on hold. These included:

Five batches involved in previous OQI's our of these 19477, 19768 and 20231) were from ation events. The initial results were reported aviouely id d from a dropped Slicprep[™] plate. d. that identified previously unknown n batch CWIQEXT20080402 01. This batch 192900 1 ofiles obtained from omponents ssault case sition 25), sition 28), 1) and btained from r different volume crime cases bosition 42). sition 43),

le present in the positive extraction control profile matched to the corresponding (position 26), (position 32). This profile also matched to the profiles (position 44) and e contaminating profiles appeared to be istributed in across the plate. n batch CWIQEXT20080506 02. This batch QI 20422 in ad a mixed ent in sample -(position 7). The aior compo profile matched to the profile obtained from

cceased in this case. The minor component of this profile matched to the the profile obtained from the complainant in what appears to be an unrelated sexual assault case - (position 23) and (position 24).

OQI 20437 involved extraction batch CWIQEXT20080630_01. This batch had a bent pipette tip at position 6 which appeared to have made contact with the horizontally adjacent weir at position 14. No DNA profile was obtained for sample -(position 6), whilst a partial profile was obtained for sample - (position 14). In addition, a full profile obtained for sample (position 5) from a sexual assault case matched to sample -(position 7) a case involving the unlawful use of a motor vehicle.

These adverse events did not appear to have a uniform distribution across the plate.



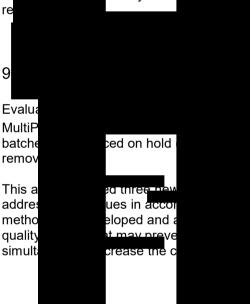
Forensic and Scientific Services CaSS

Six batches involved matches that required the re-sampling of exhibits to confirm the initial profiles and exclude any potential contamination events. If re-sampling was not possible, other items from within the case not previously examined were sampled or the original spin baskets were re-extracted. Results are pending.

A total of five extraction batches contained 53 samples that had not progressed to quantification, and therefore the initial results were still outstanding. A new test code entry was required in AUSLAB for these samples to progress. This was either due to the processing comments not being checked by the MultiPROBE® II platform operator or a previously identified system fault in AUSLAB.

8. Miscellaneous

An outcome of the working party was to recommend the use of the filter function in the n conjunctio uality processes to manage the reporting of all virtual



n extractions using DNA IQ™ and the tion batches. 202 batches were released, 14 awaiting results) and

events and three OQI's were raised to aboratory quality system. The new idit provides scientists with a strengtheneo se events from occurring in future and tists have in reporting results.

10. Recommendant

Possible recommendations from this audit are lieses per

- The Batch Comparison Macro could be applied to all new extraction batches to •
- assist in the identification of an analysis of prior to the release of results. If an adverse event is identified, a streamlined process needs to be in place to address the issue effectively with emercine laboratory communication (eg. e-mail alert system).
- Availability of AUSLAB functions to exount all results from any batch type, facilitating other types of audits and quality measures.
- A previously identified system fault in AUSLAB needs to be addressed to ensure that all samples progress from extraction to quantification.



APPENDIX 1. - OQI 20351

AFFLINDIX I C	NGI 2000 I
OQI No.:	20351
What Stage?:	INVESTIGATION OF ROOT CAUSE
Created By:	RIKA, Kylie
On:	08-AUG-2008
Corporate Unit*:	Forensic and Scientific Services
Site/Location*:	Coopers Plains
Centre/Group:	Forensic Sciences (FS)
Department*:	Forensic Biology (FSS)
Work Area:	Forensic Biology - Major Crime
Descript Source o What Ne g?: Action B	CWIQ CWIQ CWIQ CWIQ Curve
In Corporate card:	First Plaint
In Site/Location:	Coopers Plains DNA Analysis
In Centre/Group: In Department:	Forensic Biology (FSS)
In Work Area:	Forensic Biology (195)
Root Cause:	Other
Date Actioned or Due:	18-AUG-2008
How Fixed?:	Other
Accepted?:	Pending
Approval Type:	Pending



Page 12 of 15

APPENDIX 2	- OQI 20422
OQI No.:	20422
What Stage?:	INVESTIGATION OF ROOT CAUSE
Created By:	HOWES, Justin
On:	20-AUG-2008
Corporate Unit*:	Forensic and Scientific Services
Site/Location*:	Coopers Plains
Centre/Group:	Forensic Sciences (FS)
Department*:	Forensic Biology (FSS)
Work	Forensic Distance Maipr Crime
D	DNA profile was obtained for lab no. 382) that had a major DNA profile n the matter, and a minor DNA profile e obtained from a complainant in an cual assault matter (QP800088413).
Sourc	PSS)
What	1100055
Fixin	MONEV
Actio Whoi	
In Co	Forensic Services
Unit:	
In Site/I	Coopers
In	Forensic
Centre/Group:	$\mathbf{F} = \sum_{i=1}^{n} \mathbf{P}_{i}^{i} 1 = \langle \mathbf{F} \mathbf{G} \mathbf{O} \rangle$
	Forensic Biology (FSS)
Root Cause:	Other
Date Actioned or Due:	30-AUG-2008
How Fixed?:	Other
Accepted?:	Pending
Approval Type:	Pending



APPENDIX 3	- OQI 20437
OQI No.:	20437
What Stage?:	INVESTIGATION OF ROOT CAUSE
Created By:	STORER, Amanda
On:	21-AUG-2008
Corporate Unit*:	Forensic and Scientific Services
Site/Location*:	Coopers Plains
	Forensic Sciences (FS)
Department*:	Forensic Biology (FSS)
Work	Forensic Distance Majo r Crime
D	1 : Whilst this process was running on the that the plate was misaligned on the p arm contacting the lysate plate. The lisposable conductive tip at position 6 was we made contact with the well of position
	Position (UUMV, c in a DNA profile. Position 1 from its in an incomplete N. burglary During fv f this extraction batch, it was discovered
	that the D position 5 matched the DNA profile in position 7
	Position : The second provide of a SAIK The second ville), and this DNA profile matches to the DNA profiles obtained from the other intimate samples from the SAIK of that case, so it approved to contain extract from a swab from the right throttle of a motorbike involved in the UUMV case mentioned above the sample for this case was in position 6, which did not result in a profile, and no reference samples the sample for this matter for further comparis

Summary : position 5 () from a sexual assault case has matched to position 7 () from an



Page 14 of 15

	apparently unrelated unlawful use of motor vehicle case in
	another part of the State.
	Internal Problems (QHPSS)
What Needs Fixing?:	Process
Action By Whom?:	MCNEVIN, Allan
In Corporate Unit:	Forensic and Scientific Services
In Site/Location:	Coopers Plains
In	DNA Analysis
Cont R D O How Acce Appr :	Pending
Queensland Go Queensland Health	vernment

Page 15 of 15