

**EXTRACTION BATCH CONTAMINATION - OQI#21222****Batch:** [REDACTED]Contaminated profile:

- Position No: 86
- Lab No: [REDACTED]
- Case No: [REDACTED]
- Case details: Alleged Robbery - Lawnton (Petrie CPIU)
- Quant value: 0.00652 ng/μL (before microcon)
- Profile details: Sample in this position is from a volume case with no reference samples (the only sample for the case). The profile is partial after microcon to full (XX+4NR). The NR peak designations were manually analysed for the purposes of investigation and found to match profile from adjacent well 78, in addition to profiles from wells 74, 75, 79 and 80. This match was supported by analysis of sample using Genemapper software with a 15 rfu threshold (analysis performed by Chiron Webber). Below threshold analysis also indicates the presence of a possible second (male) contributor to the profile.
- This partial profile was reported via EXR as not containing sufficient information for comparison purposes as it was partial and indicated a sub-NR mixture.

Contaminating profile:

- Position No: 74, 75, **78\***, 79 or 80
  - Lab No: [REDACTED] - [REDACTED] (respectively)
  - Case No: QT0800122035
  - Case details: Alleged Sexual Assault - Mt Morgan (Rockhampton CPIU).
  - Quant values: 0.0428 ng/μL, 1.57 ng/μL, **1.76 ng/μL\***, 0.194 ng/μL, 0.25 ng/μL (respectively)
  - Profile details: Female DNA profile obtained from SAIK item, including HVS, LVS and vulval swabs, and L&R f'nails.
- \* sample from well adjacent to contaminated profile

Notes:

- These cases appear to be unrelated, thus obtaining matching DNA profiles for the samples in the

positions described above, is considered an unexpected result.

- In my opinion, it is more likely that the source of the contamination is sample [REDACTED] due to the proximity and high quant value rather than from the other samples from the case.
- The partial profile was reported as insufficient for comparison via EXR and no statement has been requested or produced.
- In my opinion the EXR line should be corrected to Quality Control Failure to ensure no future analysis of this sample is undertaken.
- The batch was previously released from EAT. This event was identified through a review of the case as a part of the routine duties of the Investigative Team.

