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LWW So this is something I did in out of hours time over the course of one week and so I didn't have time to go into route cause analysis of different chills of DNA yields. I just noted okay there was a different reason. I'm going to, in my experience, fully manual and fully automated methods I would expect a quite a significant difference and I wouldn't ... and when I've gone back and looked at my notes I can see I've underlined on deck lysis versus off deck lysis and I can see, you know, my concerns around having the automated lysis step in that process and then I can see when I've looked at the 2009 method and statements I can see they've tracked when the off deck lysis was implemented and that's what I ... and you can see in my report that's actually what I've documented. When they made those changes because for me as a scientist who's experienced in this area that was the, that was the significant part of the, of the steps that they made and changes to the method.

And so from my perspective, oh great they've gone back to an off deck lysis that is a good move because it's a manual process. Which when you look at it project 13 demonstrated that manual process. They still had a half robotic process so there's still possibility that there's issues with that robotic process that they had. That half robotic process. So that's why I'm not saying that the DNA yield was entirely fixed. I'm saying that they would've partially fixed it. This is what I've considered at the time. But not ... I don't know whether they completely fixed it because I didn't have access to that information at the time.

HT And the reason why I thought with all of the other documents you were reviewing and these other pressures and so on that you might have overlooked the yield issue because you don't comment on the yield in your actual report. It's all contamination. Well not all but it's not yield, that I can see.

LWW My focus was definitely on contamination and the contamination issues. It was the remit in, and part of all the discussions of what I was asked to look at. So that's why my report focusses on, on contamination as a primary issue. Whilst also recognising that the entire project was flawed and should never have been implemented.

HT Yeah. Yeah. I mean do you think though the inquiry would've expected you to say hey there's also this massive yield problem. You might want to start looking at that because it looks pretty serious?

LWW I wasn't asked to look at a yield issue at all.

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LWW I thought the whole, the whole report was flawed. I thought the abstract was flawed, I thought the ... [talking tomorrow]

HT Well there's a flaw ...

LWW ... title was flawed. I thought the empirical study design was flawed.

HT Yeah. I guess it's flawed but did you pick up on it being misleading at the time?

LWW Incorrect, yes.

HT Is it, incorrect, like you mean contradictory what's in there?

LWW I thought a number of statements in the report weren't consistent with the data that was provided in the report.

HT Because the abstract said it was comparable ...

LWW Yeah. And it clearly wasn't. So the, the automated method clearly wasn't comparable to the manual method ...

HT Yes.

LWW ... on an, on a number of fronts.

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