

APPROACH POINT CROSS EXAMINATION

1/18/2011

NAME: JANINE ARVIZU

PAGE: 1

SUBJECT/TOPIC: Procedural or protocol deficiencies

FACT POINTS:

SOURCE:

“The standard operating procedures of the lab is like a scientific recipe. And it should provide sufficient detail so that another operator could perform the method precisely the same way.”

Marrama at page 22-23

“Lab records do not reflect who prepared the calibrator (solution). This is a significant deficiency.

Kirkpatrick 8/24/07
page 41

“In the lab, their practices are such that it (contamination) can happen. Did it happen? I don’t know”.

Patrou page 19

Calibrators _ “the traceability of records is incomplete”

Patrou page 28 (so she will not say the calibrators are accurate)

“Air quality in the lab (or the lack of circulation) can cause ambient contamination.”

Patrou page 39

“Cross contamination (can occur) in the refrigerator storage”

Patrou page 40

There should be “separate refrigerators for the unknowns and the control samples to prevent contamination.”

Maramma page 84
(but if she was concerned about contamination between the unknown samples, wouldn’t she have to have a separate refrigerator for each sample???)

When there was “unexplained” toluene in a test sample, she opined, “ they don’t know whether any ethanol that is present is from the original source or from contamination

Patrou page 95 (even though there was no indication of alcohol contamination in this case)

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“Best practice is to run a blank between each unknown (sample)”

Patrou page 42
Kirkpatrick 8/24/07 page
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Regarding the actual test results: Arvizu can read the chronograph and go through the test results. She understands the peaks and spikes etc of the GC, and will use this to her advantage.

In her direct exam, she makes broad commentaries: for example she says she has seen ambient contamination in labs. (but does not say it was in this case or in this particular lab, or even with alcohol.)

She also states that a sample is “contaminated” and therefore not a valid test. (she does not say that the test results for the alcohol were invalid or inaccurate.)

JURY POINT:

OPTIONAL THEME: