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MEMORANDUM

TO: DMT QA DOCUMENTS
FROM: AMANDA BOLDUC, TOXICOLOGY SECTION SUPERVISOR
SUBJECT: APPROVAL
DATE: SEPTEMBER 6, 2024

A handwritten signature in blue ink, appearing to be "A. Bolduc", is written over the "FROM" and "SUBJECT" lines of the memorandum.

This memo is to approve the measurement uncertainty (MU) for determining the ethanol concentration of aqueous solutions during the in-house calibration of the DMT evidential breath testing instruments. The calculated MU based on the validation data is 3.5%. This value has been technically reviewed and a separate check of the estimate external to the budget spreadsheet was completed. The 3.5% result is less than 4.3% which is the current value reported. The sources of uncertainty and contributor data used to calculate the MU during validation are consistent with the data used in the current MU calculation allowing the 4.3% value to apply to refurbished instruments. 4.3% will be applied to all refurbished instruments that go through verification testing until one year's worth of data is collected, at which point MU will be reevaluated.