

VERMONT FORENSIC LABORATORY

SIMULATOR SOLUTION  
BLOOD ALCOHOL DATA REVIEW CHECKLIST

RM 4/15/14

LOT#: \_\_\_\_\_  
AGENCY CASE#: 14-03-08A1  
LAB #: N/A

ANALYST: RLM

TECHNICAL REVIEWER: AUB

DATE: 4/15/14

- QC complete?
- Pertinent standard lot numbers listed?
- Data package is complete?
- Transcribed data and calculations verified?
- Calibration and control results all within  $\pm 10\%$  ( $\pm 20\%$  for STD A) of the known values?
- Calibration line correlation factor at least 0.99xx?
- Average error for components of the calibration line less than 10%?
- Timing mix chromatogram demonstrates appropriate identification of components and separation from ethanol?
- Surrogate compound concentrations all within 0.900 to 1.100 range?
- Statistical means of the continuing calibration check sample duplicate analysis all within  $\pm 10\%$  of the known value?
- Individual replicates within  $\pm 5\%$  of the statistical mean?
- Reported results are means of two or more analyses?
  1. In the event of QNS for 2 (two) analysis a notation must be made on the worksheet.
  2. In the event that more than 2 (two) results are used to determine the reported result a notation is made on the worksheet.

N/A

Comments:

ADMINISTRATIVE REVIEWER: TLC

DATE: 4/15/2014

- Agency Case # and Lab # match submission form?
- Submitting agency, investigator, suspect, CC match submission form?
- Chain of Custody is complete and dated appropriately?
- Are all pages numbered and initialed on the Examination Documents?
- Case number written on all pages of the case file (Either agency or lab #)?
- Is the exam end date documented in the paper case file consistent with the exam end date in LIMS?

Comments: CERTIFICATE AND REAGENT LOG CHECKED FOR ACCURACY  
TLC 4/15/2014

DIRECTOR REVIEWER: TLC

DATE: 4/15/2014

- Does the report and associated paperwork meet administrative expectations?
- Have the appropriate technical and administrative reviews been completed?

Check Mark or X = pass, NA= Not Applicable

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**Certificate of Analysis of DataMaster Interference Solution**

On 4/15/2014, an interference solution was prepared by Rebecca Mead for use as a DataMaster Interference Check solution. The solution was prepared per standard laboratory practice and assigned the lot number 14-03-08A1 and an expiration date of 10/25/2014.

On 10/28/2013 and 10/31/2013, the solution was analyzed against calibration VFL10282013 and VFL10312013. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated prior to analyses. It was found to have met required quality assurance performance specifications and was operating properly. Quality checks throughout the analytical process demonstrated that the instrument continued to operate properly.

This solution is certified as presenting 0.080 g/210L simulated breath ethanol 0.01% vol/vol acetone concentration and approved for use as a DataMaster Interference Check solution.

Dated at Waterbury, Vermont on Tuesday, April 15, 2014.

Rebecca Mead