VERMONT FORENSIC LABORATORY

SIMULATOR SOLUTION
~~BLOOD ALCOHOL~~ DATA REVIEW CHECKLIST
RZM 7/17/14

LOT #
~~AGENCY CASE#:~~ 14-08-08A1 ANALYST: RLM
LAB #: N/A RZM 7/17/14

TECHNICAL REVIEWER: AB DATE: 7/18/14

- [x] QC complete?
- [x] Pertinent standard lot numbers listed?
- [x] Data package is complete?
- [x] Transcribed data and calculations verified?
- [NA] Calibration and control results all within ± 10% (± 20% for STD A) of the known values?
- [NA] Calibration line correlation factor at least 0.99xx?
- [NA] Average error for components of the calibration line less than 10%?
- [NA] Timing mix chromatogram demonstrates appropriate identification of components and separation from ethanol?
- [NA] Surrogate compound concentrations all within 0.900 to 1.100 range?
- [NA] Statistical means of the continuing calibration check sample duplicate analysis all within ± 10% of the known value?
- [NA] Individual replicates within ± 5% of the statistical mean?
- [NA] 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.

Comments:

ADMINISTRATIVE REVIEWER: TLCA DATE: 7/21/2014

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

Comments: CERTIFICATE AND REAGENT PREP. LOG CHECKED FOR ACCURACY. TLC 7/21/2014

DIRECTOR REVIEWER: TLCA DATE: 7/21/2014

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

Check Mark or X = pass, NA= Not Applicable

VERMONT FORENSIC LABORATORY

PO BOX 47
WATERBURY, VERMONT 05676-0047
TEL: 802-244-8788
FAX: 802-241-5557
http://vfl.vermont.gov

Certificate of Analysis of DataMaster Interference Solution

On 7/17/2014, 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 14-08-08A1 and an expiration date of 7/3/2015.

On 7/7/2014 and 7/8/2014, the solution was analyzed against calibration VFL07072014 and SIM07082014. 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 0.079 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 Thursday, July 17, 2014.

Rebecca Mead

Rebecca Mead