



## Blood Alcohol Test No. 10-564 Summary Report

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This test was sent to 159 participants. Each sample pack consisted of four vials of blood with differing concentrations of ethanol. Participants were asked to determine the blood alcohol concentration of each item. Data were returned from 152 participants (96% response rate) and are compiled into the following tables:

	<u>Page</u>
<a href="#"><u>Manufacturer's Information</u></a>	<a href="#"><u>2</u></a>
<a href="#"><u>Summary Comments</u></a>	<a href="#"><u>3</u></a>
<a href="#"><u>Table 1: Reported Results</u></a>	<a href="#"><u>4</u></a>
<a href="#"><u>Table 2: Reporting Procedures</u></a>	<a href="#"><u>10</u></a>
<a href="#"><u>Table 3: Raw Data &amp; Statistical Analysis</u></a>	<a href="#"><u>15</u></a>
<a href="#"><u>Table 4: Method of Analysis</u></a>	<a href="#"><u>42</u></a>
<a href="#"><u>Table 5: Additional Comments</u></a>	<a href="#"><u>47</u></a>
<a href="#"><u>Appendix: Data Sheet</u></a>	<a href="#"><u>48</u></a>

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

# Manufacturer's Information

Each sample pack consisted of four vials of blood, each with a different blood alcohol concentration (BAC). Participants were requested to analyze each vial and report the blood alcohol concentration.

## SAMPLE PREPARATION-

A stock solution of ethanol in water was used to spike each item. The stock solution was prepared by combining 10 grams of absolute ethanol with enough distilled water to produce a solution of 100 milliliters. The stock solution was stored in a covered flask, which was opened only when a volume of the solution was needed for production.

In order to obtain sufficient volume for this test, three batches were prepared of each item (A, B and C). Each batch of all items was prepared separately using the following procedure and all glassware was cleaned between preparations.

ITEMS 1, 2, 3 and 4 (PREPARATION): Sample preparation consisted of adding a predetermined amount of ethanol stock solution to a 500mL graduated cylinder containing human whole blood (which had been drawn into citric acid preservative bloodbank bags). The blood was then transferred to a beaker, where the equivalent of 1% w/v sodium fluoride was added and then stirred with a magnetic stirrer for 10 minutes before pipetting the mixture into the prelabeled vials, which contained 12mg potassium oxalate and 15mg sodium fluoride (this NaF was included in the 1% w/v NaF calculation). The vials were sealed and inverted 8-10 times to mix the chemicals in the vials with the blood solution. All vials were placed in a refrigerator immediately after production until the sample packs were prepared.

SAMPLE PACK ASSEMBLY: Once predistribution results were received, each sample pack was prepared containing an Item 1, 2, 3 and 4 from the same batch and was placed into a Department of Transportation regulated mailing system. Each sample pack was labeled with test number and batch letter and returned to the refrigerator until shipment.

## VERIFICATION-

Laboratories that conducted predistribution analysis of the samples reported consistent results for each batch that were comparable to the preparation BAC.

<u>Item</u>	<u>Preparation BAC (g/100mL)</u>
Item 1	0.11
Item 2	0.25
Item 3	0.05
Item 4	0.18

Please note that the Preparation BAC is the value used for calculations during the test preparation phase and may not necessarily represent the final concentration of the samples. It is advised to wait for the Grand Mean statistics available in the Summary and Individual Reports before evaluating performance.

## Summary Comments

This test was designed to allow participants to assess their proficiency in the analysis of the alcohol concentration in samples of human blood. Each participant was supplied with a sample pack consisting of four vials of blood which had been spiked with differing amounts of ethanol to produce the preparation blood alcohol concentration (BAC). [Refer to the Manufacturer's Information for preparation details.]

The report that follows contains all data as provided by the participants. It is separated into two tables, the reported results and the raw analytical data. The table of reported results shows the BAC that each participant would report according to their normal reporting procedures (e.g. mean, lowest result, truncated results). The table of raw data shows the results from each determination made by the laboratory to produce their reported result. If the laboratory did not report in g/100mL, the result was not added to the raw data table and is shown as a blank in that table. Three participants' data could not be included in the raw data table for statistical calculations because the participants' data were not reported in g/100mL.

Due to the large volume of blood needed to produce the sample sets, three batches of each item were manufactured (A, B and C). Tables 1 and 3 have been split into "A", "B" and "C" tables to represent the separate batches; this has been done for all Items. Batches were represented by an "A", "B" or "C" on the outer sample pack label and in the lower right corner of the Item label on each vial of blood contained in the participant's sample set. Laboratories with multiple participants were shipped sample sets from the same batch.

The raw data was used to calculate the grand mean and the standard deviation for each item. Participants with "extreme" data ( $\pm 5$  STD from grand mean) have been marked with an "X" and their results were excluded from the calculations of the grand mean and standard deviation. (One participant from Batch C reported "extreme" data.)

The grand mean and standard deviation are supplied to assist the participants and accrediting bodies in determining the acceptability of the results.

# Reported Results

*What is the blood alcohol concentration of the sample in each of the vials?*

**TABLE 1A - Batch A**

<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>Preparation BAC:</b>	<b>0.11 g/100mL</b>	<b>0.25 g/100mL</b>	<b>0.05 g/100mL</b>	<b>0.18 g/100mL</b>
2BKFXL	0.10g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100ml
2EYD4M	0.10g/100ml	0.24g/100ml	0.04g/100ml	0.17g/100ml
3KG33M	0.10% by Wt.	0.24% by Wt.	0.04% by Wt.	0.17% by Wt.
4MPHAT	0.110g/100 cc	0.254g/100 cc	0.046g/100 cc	0.179g/100 cc
6DUY76	.10g/100ml	.25g/100ml	.04g/100ml	.17g/100ml
9KJLRL	0.09g%	0.22g%	0.04g%	0.17g%
A2PAF7	0.105g/100mL	0.239g/100mL	0.046g/100mL	0.171g/100mL
CLNCBC	0.10g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100mL
CWLBVQ	0.11g/100mL	0.25g/100mL	0.04g/100mL	0.17g/100mL
DLFRXT	0.11g/100ml	0.25g/100ml	0.04g/100ml	0.17g/100ml
E9LVAZ	0.110g/100mL	0.245g/100mL	0.044g/100mL	0.174g/100mL
EMRRR3	0.105percent	0.238percent	0.043percent	0.171percent
EU8PZL	0.11%w/v	0.22%w/v	0.04%w/v	0.17%w/v
G3CEQP	0.109g/100 mL	0.247g/100 mL	0.045g/100 mL	0.175g/100 mL
GNQ44K	0.10g/100 ml	0.24g/100 ml	0.04g/100 ml	0.17g/100 ml
HE2DGR	0.10grams %	0.25grams %	0.04grams %	0.17grams %
HMVHBT	0.11%	0.25%	0.04%	0.17%
HZZ2LT	107mg/100mLs	244mg/100mLs	44mg/100mLs	172mg/100mLs
J77W6T	103mg/100mL	239mg/100mL	41mg/100mL	166mg/100mL
J7KGPQ	.10g%	.24g%	.04g%	.17g%
JLXRHK	0.114g/100mL	0.259g/100mL	0.046g/100mL	0.183g/100mL
JMTBJL	0.11%w/v	0.25%w/v	0.04%w/v	0.18%w/v
KBXGMH	0.11% w/v	0.25% w/v	0.04% w/v	0.18% w/v
LHTXEY	0.10% w/v	0.24% w/v	0.04% w/v	0.17% w/v
LQ4ZZZ	0.107%w/v	0.242%w/v	0.045%w/v	0.173%w/v
LYY6T2	0.10grams/100mL	0.24grams/100mL	0.04grams per 100 mL	0.16g/100mL
MGDYVA	0.105g/100 cc	0.245g/100 cc	0.045g/100 cc	0.172g/100 cc
MYRHPT	109mg/100ml	248mg/100ml	46mg/100ml	177mg/100ml

**TABLE 1A - Batch A**

<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>Preparation BAC:</b>	<b>0.11 g/100mL</b>	<b>0.25 g/100mL</b>	<b>0.05 g/100mL</b>	<b>0.18 g/100mL</b>
NPKZTF	0.113g/dL	0.251g/dL	0.047g/dL	0.181g/dL
P8X239	0.108g/100 cc	0.249g/100 cc	0.046g/100 cc	0.180g/100 cc
PBWDY9	0.108g/100 cc	0.249g/100 cc	0.044g/100 cc	0.175g/100 cc
PCBKCP	0.108g/100mL	0.246g/100mL	0.044g/100mL	0.173g/100mL
PGNKGG	0.11g/100ml	0.25g/100ml	0.04g/100ml	0.17g/100ml
PJQKJY	0.10% by weight	0.24% by weight	0.04% by weight	0.17% by weight
PPE6ME	0.11%w/v	0.25%w/v	0.04%w/v	0.18%w/v
Q8VQMV	0.11g/100ml	0.24g/100ml	0.04g/100mL	0.17g/100mL
QN3THH	0.10%(w/v)	0.24%(w/v)	0.04%(w/v)	0.17%(w/v)
RQLZKQ	0.10g/100 mls	0.24g/100 mls	0.04g/100 mls	0.17g/100 mls
RTC7ZG	0.11g%	0.27g%	0.04g%	0.18g%
U7QDPD	0.110g/100ml	0.249g/100ml	0.047g/100ml	0.177g/100ml
UZM7CV	0.10% by wt	0.24% by wt	0.04% by wt	0.17% by wt
VXBU8Y	0.11g%	0.25g%	0.04g%	0.17g%
W6UC3M	0.10g/100 mls	0.25g/100 mls	0.04g/100 mls	0.17g/100 mls
WZCE96	0.10%g/100 mL	0.25%g/100 mL	0.04%g/100 mL	0.17%g/100 mL
YB92D7	0.11%w/v	0.24%w/v	0.04%w/v	0.17%w/v
YC4M7X	0.109g/dl	0.244g/dl	0.045g/dl	0.176g/dl
YCGGKC	0.101%	0.234%	0.042%	0.168%
YX2D3N	0.110gms/dl	0.248gms/dl	0.047gms/dl	0.176gms/dl
Z2DL28	0.108g ethanol/ 100 mL	0.244g ethanol/ 100 mL	0.045g ethanol/ 100 mL	0.174g ethanol/ 100 mL
Z84VB7	0.109g/100 ml	0.243g/100 ml	0.045g/100 ml	0.173g/100 ml

**TABLE 1B - Batch B**

<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>Preparation BAC:</b>	<b>0.11 g/100mL</b>	<b>0.25 g/100mL</b>	<b>0.05 g/100mL</b>	<b>0.18 g/100mL</b>
2G6KLF	.11g/100ml	.25g/100ml	.04g/100ml	.18g/100ml
2K293M	0.10gm/%	0.24gm%	0.04gm%	0.17gm%
2YZD8D	0.10g/100ml	0.26g/100ml	0.04g/100ml	0.19g/100ml
3C9F92	0.99g/L	2.46g/L	0.45g/L	1.77g/L
3F8UT7	0.106g/100mL	0.247g/100mL	0.048g/100mL	0.182g/100mL
3LCNVE	0.107g%	0.247g%	0.046g%	0.179g%
3TEH4N	0.10gram%	0.23gram%	0.04gram%	0.17gram%
43DW6D	0.11g/100ml	0.25g/100ml	0.04g/100ml	0.18g/100ml
7UE6VA	0.104g%	0.240g%	0.045g%	0.174g%
7V4FL3	0.105g/100mL	0.242g/100mL	0.046g/100mL	0.172g/100mL
89TED6	108mg/100 mL	245mg/100 mL	47mg/100 mL	175mg/100 mL
8CXJD	0.10gm%	0.23gm%	0.04gm%	0.17gm%
96P4UA	0.11g/%	0.26g/%	0.04g/%	0.18g/%
994ZZC	0.11grams per 100 milliliters	0.24grams per 100 milliliters	0.04grams per 100 milliliters	0.17grams per 100 milliliters
AGFCR3	0.11g/100ml	0.26g/100ml	0.04g/100ml	0.18g/100ml
B9X7TB	0.1042g/100 mL	0.2435g/100 mL	0.0455g/100 mL	0.1685g/100 mL
BNQXEC	.09gram%	.22gram%	.04gram%	.18gram%
C2UJG2	0.11g/100 ml	0.26g/100 ml	0.04g/100 ml	0.18g/100 ml
C7PAMD	.10gm%	.25gm%	.04gm%	.17gm%
DKPLG3	0.105gram%	0.242gram%	0.043gram%	0.175gram%
DTYZDD	0.10Gram%	0.24Gram%	0.04Gram%	0.18Gram%
E73LF3	0.10g/100 mL	0.25g/100 mL	0.04g/100 mL	0.18g/100 mL
FGUUEV	0.10g%	0.25g%	0.04g%	0.17g%
GB4UJZ	0.108gram %	0.251gram %	0.047gram %	0.181gram %
GH8NRA	.09g/%	.21g%	.04g%	.16g%
GW6VNQ	0.10g/100ml	0.23g/100ml	0.04g/100ml	0.17g/100ml
HDB823	0.10gm%	0.24gm/%	0.04gm%	0.17gm%
JCTPB2	0.107g/100mL	0.243g/100mL	0.046g/100mL	0.175g/100mL
JFRZ82	0.11g/100ml	0.26g/100ml	0.04g/100mL	0.18g/100mL
JPWBDQ	99mg/dL	229mg/dL	44mg/dL	168mg/dL
JUR2J3	0.105g/100mL	0.246g/100mL	0.046g/100mL	0.177g/100mL

**TABLE 1B - Batch B**

<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>Preparation BAC:</b>	<b>0.11 g/100mL</b>	<b>0.25 g/100mL</b>	<b>0.05 g/100mL</b>	<b>0.18 g/100mL</b>
K7WKV3	0.10gm%	0.24gm%	0.04gm%	0.17gm%
K8UL6Z	0.107gram%	0.248gram%	0.045gram%	0.184gram%
KEUADR	0.11g/100mL	0.25g/100mL	0.04g/100mL	0.18g/100mL
KQPEQX	0.10GM%	0.22GM%	0.04GM%	0.17GM%
M6YQB3	0.10g%	0.23g%	0.04g%	0.17g%
ME4XRN	0.10g/100 mL	0.24g/100 mL	0.04g/100 mL	0.18g/100 mL
MU3XNX	0.103gram percent	0.244gram percent	0.047gram percent	0.179gram percent
N78HFP	0.09g/100ml	0.23g/100ml	0.04g/100ml	0.17g/100ml
QZUJYF	0.10g%	0.22g%	0.05g%	0.17g%
T2W2BG	0.106g/100 ml	0.241g/100 ml	0.047g/100 ml	0.177g/100 ml
UCXLBN	0.10g/100 mL	0.24g/100 mL	0.04g/100 mL	0.17g/100 mL
UR7Y6Q	0.10g/100ml	0.24g/100ml	0.05g/100ml	0.17g/100ml
W4BUE8	106mg/100ml	246mg/100ml	46mg/100ml	178mg/100ml
WEB69N	0.11g%	0.24g%	0.05g%	0.18g%
WHAJTR	0.10gm%	0.24gm%	0.04gm%	0.17gm%
YKQMGF	0.10g/100ml	0.23g/100ml	0.04g/100ml	0.17g/100ml
YLL7HG	0.09grams/100ml	0.24grams/100ml	0.04grams/100ml	0.18grams/100ml
ZCV4DQ	0.10g%	0.24g%	0.04g%	0.17g%
ZY86LN	0.10gm%	0.21gm%	0.04gm%	0.17gm%

**TABLE 1C - Batch C**

<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>Preparation BAC:</b>	<b>0.11 g/100mL</b>	<b>0.25 g/100mL</b>	<b>0.05 g/100mL</b>	<b>0.18 g/100mL</b>
2EEE7P	108mg/dl	250mg/dl	45mg/dl	177mg/dl
2N3A66	0.114g/100ml	0.253g/100ml	0.042g/100ml	0.185g/100ml
2UVALL	103mg%	241mg%	43mg%	171mg%
3WU88X	0.107% by wt.	0.245% by wt.	0.044% by wt.	0.173% by wt.
4XLLDM	0.10g/100mL	0.23g/100mL	0.04g/100mL	0.17g/100mL
6CLMQN	0.10g/100mL	0.23g/100mL	0.04g/100mL	0.16g/100mL
6QDLCW	0.10g%	0.23g%	0.04g%	0.17g%
74H4MW	0.103% g/dL	0.245% g/dL	0.045% g/dL	0.171% g/dL
7A9EWU	105mg/100 ml	238mg/100 ml	47mg/100 ml	171mg/100 ml
8PFVHM	0.11g/100mL	0.26g/100mL	0.04g/100mL	0.19g/100mL
AEQ7CD	0.105g/100 cm <sup>3</sup>	0.275g/100 cm <sup>3</sup>	0.045g/100 cm <sup>3</sup>	0.180g/100 cm <sup>3</sup>
BKV2VD	0.10g/100mL	0.23g/100mL	0.04g/100mL	0.16g/100mL
CAQA7H	0.10g/100 mL	0.24g/100 mL	0.04g/100 mL	0.17g/100 mL
CBKYAC	0.106g/100 ml	0.244g/100 ml	0.045g/100 ml	0.173g/100 ml
CEX6JQ	0.107g/100mL	0.247g/100mL	0.045g/100mL	0.174g/100mL
DBXB6M	0.10g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100mL
DJC2PT	88mg/100ml	211mg/100ml	33mg/100ml	152mg/100ml
EDHMFC	1.10MG/ML	2.59MG/ML	0.45MG/ML	1.71MG/ML
EJ78HR	94mg/100ml	222mg/100ml	39mg/100ml	160mg/100ml
EQNDGJ	0.102g/100 ml	0.240g/100 ml	0.031g/100 ml	0.171g/100 ml
ERJVJL	0.106g/dL	0.248g/dL	0.045g/dL	0.176g/dL
HFBM6J	0.09g%	0.24g%	0.04g%	0.17g%
HTK3EA	0.11gm/dL	0.25gm/dL	0.04gm/dL	0.17gm/dL
HWNUMA	0.10g/100mL	0.23g/100mL	0.04g/100mL	0.17g/100mL
JJUWYG	0.10g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100mL
KR3V4C	.111g/100 mL	.255g/100 mL	.048g/100 mL	.181g/100 mL
L8DWD8	0.11g%	0.24g%	0.04g%	0.18g%
LP AE79	0.105g/100 mL	0.253g/100 mL	0.045g/100 mL	0.176g/100 mL
NGTHE8	0.10g/100mL	0.25g/100mL	0.04g/100mL	0.17g/100mL
NZ6C38	102mg/100 ml	236mg/100 ml	44mg/100 ml	167mg/100 ml
P9PYBF	94mg%	222mg%	38mg%	164mg%

**TABLE 1C - Batch C**

<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>Preparation BAC:</b>	<b>0.11 g/100mL</b>	<b>0.25 g/100mL</b>	<b>0.05 g/100mL</b>	<b>0.18 g/100mL</b>
Q4CGTX	0.108g/100 ml	0.248g/100 ml	0.046g/100 ml	0.175g/100 ml
QD4Z87	0.10g%	0.24g%	0.04g%	0.17g%
RAZJEA	0.10g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100mL
RDX627	0.11% w/v	0.25% w/v	0.04% w/v	0.17% w/v
T7VFX7	109mg/100 mL	249mg/100 mL	47mg/100 mL	177mg/100 mL
TFFJ67	111mg%	256mg%	46mg%	183mg%
TJJGFY	0.097g/dl	0.226g/dl	0.040g/dl	0.161g/dl
TMJLA7	0.10g/100mL	0.23g/100mL	0.04g/100mL	0.16g/100mL
TR96B2	0.12g/100 mL	0.37g/100 mL	0.06g/100 mL	0.24g/100 mL
UANYCA	104mg%	248mg%	41mg%	177mg%
VD2WKW	0.10g%	0.24g%	0.04g%	0.17g%
VQQQZW	0.10g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100mL
W68DG9	103mg%	241mg%	38mg%	175mg%
WDLUGV	0.10g/100 mL	0.23g/100 mL	0.04g/100 mL	0.16g/100 mL
WVGPL7	0.11gm %	0.25gm %	0.04gm %	0.17gm %
XC63ZX	0.10g%	0.23g%	0.04g%	0.17g%
XL7MZ6	0.10% w/v	0.24% w/v	0.04% w/v	0.17% w/v
Y49LNY	0.10% w/v	0.24% w/v	0.04% w/v	0.17% w/v
YGYEEU	0.11g/100mL	0.24g/100mL	0.04g/100mL	0.17g/100mL
YZ6Q6V	94mg/dL	217mg/dL	39mg/dL	157mg/dL
ZXGUVV	0.10g/100 ml	0.24g/100 ml	0.04g/100 ml	0.17g/100 ml

# Reporting Procedures

TABLE 2

<b>Batch - WebCode</b>	<b>Reporting Procedures</b>
A - 2BKFXL	The mean of several determinations.
A - 2EYD4M	The mean of several determinations.
A - 3KG33M	The lowest value of two determinations.
A - 4MPHAT	The mean of several (4) determinations, truncated to 3 decimal places. The laboratory also includes a $\pm 5.94\%$ (ev) uncertainty on its blood alcohol reports.
A - 6DUY76	The mean of several determinations.
A - 9KJLRL	The lowest value of several determinations.
A - A2PAF7	The mean of several determinations.
A - CLNCBC	The mean of Two determinations followed by Truncation
A - CWLBVQ	The mean of several determinations.
A - DLFRXT	The mean of duplicate determinations
A - E9LVAZ	The mean of several determinations.
A - EMRRR3	The mean of several determinations.
A - EU8PZL	The mean of several determinations.
A - G3CEQP	The lowest value of several determinations.
A - GNQ44K	The mean of several determinations.
A - HE2DGR	The lowest value of several determinations.
A - HMOVHBT	The average of duplicate determinations
A - HZZ2LT	The mean of several determinations.
A - J77W6T	The mean of several determinations.
A - J7KGPQ	The lowest value of duplicate injections.
A - JLXRHK	The mean of several determinations.
A - JMTBJL	The mean of several determinations.
A - KBXGMH	The mean of several determinations.
A - LHTXEY	The mean of several determinations.
A - LQ4ZZZ	The mean of several determinations.
A - LYY6T2	The mean of several determinations.
A - MGDYVA	The truncated mean of several determinations. Uncertainty of measurement is $\pm 5.94\%$ , which is also reported with results.
A - MYRHPT	The mean of several determinations.
A - NPKZTF	The mean of several determinations.
A - P8X239	The mean of several determinations.
A - PBWDY9	The mean of several determinations.
A - PCBKKP	The mean of several determinations.
A - PGNKGG	Mean of Two (2) Duplicate Determinations
A - PJQKJY	The lowest value of several determinations.
A - PPE6ME	The mean of two determinations truncated to two decimals.

TABLE 2

<b>Batch - WebCode</b>	<b>Reporting Procedures</b>
A - Q8VQMV	The mean of several determinations.
A - QN3THH	The mean of several determinations.
A - RQLZKQ	Mean of two (2) determinations
A - RTC7ZG	Lower of two values, truncated to second decimal place
A - U7QDPD	The lowest value of several determinations.
A - UZM7CV	The lowest value of several determinations.
A - VXBU8Y	The lowest value of several determinations.
A - W6UC3M	The mean of several determinations.
A - WZCE96	The mean of several determinations.
A - YB92D7	The mean of several determinations.
A - YC4M7X	Lowest of two closest run in triplicate
A - YCGGKC	The mean of several determinations.
A - YX2D3N	The mean of several determinations.
A - Z2DL28	The lowest value of several determinations.
A - Z84VB7	The mean of several determinations.
B - 2G6KLF	The mean of several determinations.
B - 2K293M	Single Analysis
B - 2YZD8D	The lowest value of several determinations.
B - 3C9F92	The mean of several determinations.
B - 3F8UT7	The mean of several determinations.
B - 3LCNVE	The lowest value of several determinations.
B - 3TEH4N	Single Analysis
B - 43DW6D	The lowest value of several determinations.
B - 7UE6VA	Lower of two determinations
B - 7V4FL3	Mean of 2 determinations truncated
B - 89TED6	The mean of several determinations.
B - 8CXXJD	Single Analysis
B - 96P4UA	Single analysis determination
B - 994ZZC	The lowest value of several determinations.
B - AGFCR3	The lowest value of several determinations.
B - B9X7TB	The mean of several determinations.
B - BNQXEC	one single analysis
B - C2UJG2	The lowest value of several determinations.
B - C7PAMD	single analysis
B - DKPLG3	The lowest value of several determinations.
B - DTYZDD	Single analysis
B - E73LF3	The lowest value of 4 results, truncated to 2 decimal places

TABLE 2

<b>Batch - WebCode</b>	<b>Reporting Procedures</b>
B - FGUEEV	The mean to two determinations, truncated to two significant figures.
B - GB4UJZ	The lowest value of several determinations.
B - GH8NRA	single analysis
B - GW6VNQ	The lowest value of several determinations.
B - HDB823	Single Assay
B - JCTPB2	The mean of several determinations.
B - JFRZ82	The lowest value of several determinations.
B - JPWBDQ	The lowest value of several determinations.
B - JUR2J3	The lowest value of several determinations.
B - K7WKV3	single analysis
B - K8UL6Z	The lowest value of several determinations.
B - KEUADR	The lowest value of several determinations.
B - KQPEQX	Single analysis
B - M6YQB3	Single analysis
B - ME4XRN	The lowest value of several determinations.
B - MU3XNX	The lowest value of several determinations.
B - N78HFP	The lowest value of several determinations.
B - QZUJYF	lower of two values
B - T2W2BG	The lowest value of two determinations
B - UCXLBN	The lowest value of several determinations.
B - UR7Y6Q	The mean of several determinations.
B - W4BUE8	The mean of several determinations.
B - WEB69N	Single determination
B - WHAJTR	Single analysis
B - YKQMGF	The lowest value of several determinations.
B - YLL7HG	The lowest value of several determinations.
B - ZCV4DQ	single analysis
B - ZY86LN	single analysis
C - 2EEE7P	The mean of several determinations.
C - 2N3A66	The lowest value of several determinations.
C - 2UVALL	The mean of several determinations.
C - 3WU88X	The mean of several determinations.
C - 4XLDM	The lowest value of several determinations.
C - 6CLMQN	The lowest value of several determinations.
C - 6QDLCW	The lowest value of several determinations.
C - 74H4MW	The lowest value of several determinations.
C - 7A9EWU	The mean of several determinations.

TABLE 2

Batch - WebCode	Reporting Procedures
C - 8PFVHM	The mean of several determinations.
C - AEQ7CD	The mean of several determinations.
C - BKV2VD	The mean of several determinations.
C - CAQA7H	The lowest value of several determinations.
C - CBKYAC	The mean of several determinations.
C - CEX6JQ	Truncated mean of several determinations
C - DBXB6M	The lowest value of several determinations.
C - DJC2PT	The mean of several determinations.
C - EDHMFC	The mean of several determinations.
C - EJ78HR	The lowest value of several determinations.
C - EQNDGJ	The lowest value of several determinations.
C - ERJVJL	The lowest value of several determinations.
C - HFBM6J	The lowest value of several determinations.
C - HTK3EA	The mean of several determinations.
C - HWNUMA	The lowest value of several determinations.
C - JJUWYG	The lowest value of several determinations.
C - KR3V4C	The lowest value of several determinations.
C - L8DWD8	The lowest value of several determinations.
C - LPAE79	The lowest value of several determinations.
C - NGTHE8	The lowest value of several determinations.
C - NZ6C38	The mean of several determinations. (6% of mean result has been subtracted)
C - P9PYBF	The mean of several determinations.
C - Q4CGTX	The lowest value of several determinations.
C - QD4Z87	The lowest value of several determinations.
C - RAZJEA	The lowest value of several determinations.
C - RDX627	The mean of several determinations.
C - T7VFX7	The mean of several determinations.
C - TFFJ67	The lowest value of several determinations.
C - TJJGFY	The mean of several determinations.
C - TMJLA7	The lowest value of several determinations.
C - TR96B2	The mean of several determinations.
C - UANYCA	The lowest value of several determinations.
C - VD2WKW	The lowest value of several determinations.
C - VQQQZW	The lowest value of several determinations.
C - W68DG9	The lowest value of several determinations.
C - WDLUGV	The lowest value of several determinations.
C - WVGPL7	The lowest value of several determinations.

TABLE 2

Batch - WebCode	Reporting Procedures
C - XC63ZX	The lowest value of several determinations.
C - XL7MZ6	The mean of 2 determinations, then truncated to two decimal places.
C - Y49LNY	The mean of several determinations.
C - YGYEEU	The lowest value of several determinations.
C - YZ6Q6V	The mean of several determinations.
C - ZXGUW	The lowest value of several determinations.

<b>Response Summary</b>	
Participants:	<b>152</b>
The mean of several determinations.	<b>56 (37%)</b>
The lowest value of several determinations.	<b>59 (39%)</b>
Single analysis/determination.	<b>16 (11%)</b>
Other	<b>28 (19%)</b>

## Raw Data

List of raw data determinations in g/100mL.

TABLE 3A - Item 1 Batch A

WebCode	Item 1 (g/100mL)				Preparation BAC : 0.11g/100mL	Mean
2BKFXL	0.1080	0.1100	0.1080	0.1110		0.1093
2EYD4M	0.1102	0.1080				0.1091
3KG33M	0.1083	0.1082				0.1083
4MPHAT	0.1101	0.1117	0.1100	0.1121		0.1110
6DUY76	0.1060	0.1090				0.1075
9KJLRL	0.0990	0.1030				0.1010
A2PAF7	0.1054	0.1065				0.1060
CLNCBC	0.1055	0.1057				0.1056
CWLBVQ	0.1110	0.1100				0.1105
DLFRXT	0.1110	0.1110				0.1110
E9LVAZ	0.1111	0.1092				0.1102
EMRRR3	0.1050	0.1060				0.1055
EU8PZL	0.1100	0.1110				0.1105
G3CEQP	0.1090	0.1090				0.1090
GNQ44K	0.1080	0.1070				0.1075
HE2DGR	0.1100	0.1090				0.1095
HMVHBT	0.1110	0.1110				0.1110
HZZ2LT	0.1070	0.1070				0.1070
J77W6T	0.1030	0.1030				0.1030
J7KGPQ	0.1044	0.1051				0.1048
JLXRHK	0.1150	0.1130				0.1140
JMTBJL	0.1140	0.1130				0.1135
KBXGMH	0.1120	0.1120				0.1120
LHTXEY	0.1086	0.1084	0.1085			0.1085
LQ4ZZZ						
LYY6T2	0.1050	0.1080	0.1070	0.1080		0.1070
MGDYVA	0.1041	0.1063	0.1039	0.1064		0.1052
MYRHPT						
NPKZTF	0.1130	0.1140				0.1135
P8X239	0.1075	0.1090	0.1084	0.1100		0.1087
PBWDY9	0.1090	0.1078	0.1079	0.1078		0.1081
PCBKQP	0.1080	0.1080				0.1080
PGNKGG	0.1110	0.1110				0.1110
PJQKJY	0.1071	0.1066				0.1069
PPE6ME	0.1120	0.1120				0.1120
Q8VQMV	0.1100	0.1140	0.1100	0.1130		0.1118
QN3THH	0.1090	0.1100				0.1095
RQLZKQ	0.1084	0.1073				0.1079
RTC7ZG	0.1118	0.1136				0.1127
U7QDPD	0.1108	0.1106				0.1107

TABLE 3A - Item 1 Batch A

WebCode	Item 1 (g/100mL)		Preparation BAC : 0.11g/100mL	Mean
UZM7CV	0.1067	0.1067		0.1067
VXBU8Y	0.1100	0.1130		0.1115
W6UC3M	0.1057	0.1082		0.1070
WZCE96	0.1090	0.1100		0.1095
YB92D7	0.1110	0.1120		0.1115
YC4M7X	0.1050	0.1090	0.1090	0.1077
YCGGKC	0.1009	0.1017		0.1013
YX2D3N	0.1080	0.1130		0.1105
Z2DL28	0.1080	0.1080		0.1080
Z84VB7	0.1100	0.1090		0.1095

Statistical Analysis for Item 1 Batch A					
Grand Mean	0.1088	Number of Participants Included	48	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	2
Standard Deviation	0.0029	Number of Participants Excluded	0	* see summary comments on removal of participants	

TABLE 3A - Item 2 Batch A

WebCode	Item 2 (g/100mL)				Preparation BAC : 0.25g/100mL	Mean
2BKFXL	0.2460	0.2530	0.2450	0.2510		0.2488
2EYD4M	0.2432	0.2470				0.2451
3KG33M	0.2478	0.2483				0.2481
4MPHAT	0.2529	0.2550	0.2542	0.2560		0.2545
6DUY76	0.2460	0.2550				0.2505
9KJLRL	0.2270	0.2310				0.2290
A2PAF7	0.2390	0.2402				0.2396
CLNCBC	0.2455	0.2451				0.2453
CWLBVQ	0.2510	0.2510				0.2510
DLFRXT	0.2540	0.2510				0.2525
E9LVAZ	0.2431	0.2487				0.2459
EMRRR3	0.2410	0.2350				0.2380
EU8PZL	0.2330	0.2200				0.2265
G3CEQP	0.2470	0.2530				0.2500
GNQ44K	0.2490	0.2470				0.2480
HE2DGR	0.2540	0.2530				0.2535
HMVHBT	0.2540	0.2490				0.2515
HZZ2LT	0.2440	0.2440				0.2440
J77W6T	0.2390	0.2380				0.2385
J7KGPQ	0.2464	0.2455				0.2460
JLXRHK	0.2600	0.2580				0.2590
JMTBJL	0.2560	0.2560				0.2560
KBXGMH	0.2570	0.2580				0.2575
LHTXEY	0.2479	0.2474	0.2477			0.2477
LQ4ZZZ						
LYY6T2	0.2440	0.2490	0.2440	0.2490		0.2465
MGDYVA	0.2438	0.2465	0.2442	0.2464		0.2452
MYRHPT						
NPKZTF	0.2550	0.2480				0.2515
P8X239	0.2491	0.2496	0.2485	0.2491		0.2491
PBWDY9	0.2484	0.2480	0.2502	0.2498		0.2491
PCBKQP	0.2430	0.2490				0.2460
PGNKGQ	0.2520	0.2530				0.2525
PJQKJY	0.2447	0.2446				0.2447
PPE6ME	0.2550	0.2540				0.2545
Q8VQMV	0.2450	0.2510	0.2440	0.2480		0.2470
QN3THH	0.2480	0.2490				0.2485
RQLZKQ	0.2460	0.2465				0.2463
RTC7ZG	0.2853	0.2765				0.2809
U7QDPD	0.2497	0.2504				0.2501
UZM7CV	0.2474	0.2464				0.2469
VXBU8Y	0.2550	0.2550				0.2550

TABLE 3A - Item 2 Batch A

WebCode	Item 2 (g/100mL)		Preparation BAC : 0.25g/100mL	Mean
W6UC3M	0.2516	0.2496		0.2506
WZCE96	0.2500	0.2520		0.2510
YB92D7	0.2440	0.2480		0.2460
YC4M7X	0.2320	0.2440	0.2440	0.2400
YCGGKC	0.2322	0.2361		0.2342
YX2D3N	0.2470	0.2500		0.2485
Z2DL28	0.2460	0.2440		0.2450
Z84VB7	0.2430	0.2430		0.2430

**Statistical Analysis for Item 2 Batch A**

Grand Mean	0.2479	Number of Participants Included	48	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	2
Standard Deviation	0.0081	Number of Participants Excluded	0	* see summary comments on removal of participants	

TABLE 3A - Item 3 Batch A

WebCode	Item 3 (g/100mL)				Preparation BAC : 0.05g/100mL	Mean
2BKFXL	0.0480	0.0500	0.0470	0.0500		0.0488
2EYD4M	0.0439	0.0433				0.0436
3KG33M	0.0454	0.0455				0.0455
4MPHAT	0.0469	0.0467	0.0465	0.0467		0.0467
6DUY76	0.0410	0.0440				0.0425
9KJLRL	0.0440	0.0440				0.0440
A2PAF7	0.0475	0.0450				0.0463
CLNCBC	0.0442	0.0438				0.0440
CWLBVQ	0.0460	0.0450				0.0455
DLFRXT	0.0480	0.0470				0.0475
E9LVAZ	0.0451	0.0439				0.0445
EMRRR3	0.0430	0.0430				0.0430
EU8PZL	0.0450	0.0450				0.0450
G3CEQP	0.0450	0.0450				0.0450
GNQ44K	0.0450	0.0450				0.0450
HE2DGR	0.0450	0.0450				0.0450
HMVHBT	0.0470	0.0470				0.0470
HZZ2LT	0.0430	0.0450				0.0440
J77W6T	0.0410	0.0400				0.0405
J7KGPQ	0.0421	0.0415				0.0418
JLXRHK	0.0460	0.0450				0.0455
JMTBJL	0.0460	0.0460				0.0460
KBXGMH	0.0460	0.0460				0.0460
LHTXEY	0.0448	0.0447	0.0448			0.0448
LQ4ZZZ						
LYY6T2	0.0450	0.0470	0.0450	0.0480		0.0463
MGDYVA	0.0457	0.0455	0.0454	0.0452		0.0455
MYRHPT						
NPKZTF	0.0480	0.0470				0.0475
P8X239	0.0466	0.0465	0.0461	0.0461		0.0463
PBWDY9	0.0447	0.0456	0.0440	0.0453		0.0449
PCBKPP	0.0450	0.0440				0.0445
PGNKGG	0.0460	0.0470				0.0465
PJQKJY	0.0440	0.0442				0.0441
PPE6ME	0.0460	0.0460				0.0460
Q8VQMV	0.0470	0.0490	0.0460	0.0490		0.0478
QN3THH	0.0450	0.0440				0.0445
RQLZKQ	0.0433	0.0433				0.0433
RTC7ZG	0.0492	0.0482				0.0487
U7QDPD	0.0473	0.0470				0.0472
UZM7CV	0.0435	0.0436				0.0436
VXBU8Y	0.0480	0.0450				0.0465

TABLE 3A - Item 3 Batch A

WebCode	Item 3 (g/100mL)		Preparation BAC : 0.05g/100mL	Mean
W6UC3M	0.0448	0.0451		0.0450
WZCE96	0.0450	0.0450		0.0450
YB92D7	0.0470	0.0470		0.0470
YC4M7X	0.0430	0.0450	0.0450	0.0443
YCGGKC	0.0419	0.0418		0.0419
YX2D3N	0.0480	0.0470		0.0475
Z2DL28	0.0450	0.0460		0.0455
Z84VB7	0.0450	0.0460		0.0455

**Statistical Analysis for Item 3 Batch A**

Grand Mean	0.0452	Number of Participants Included	48	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	2
Standard Deviation	0.0017	Number of Participants Excluded	0	* see summary comments on removal of participants	

TABLE 3A - Item 4 Batch A

<b>WebCode</b>	<b>Item 4 (g/100mL)</b>				<b>Preparation BAC : 0.18g/100mL</b>	<b>Mean</b>
2BKFXL	0.1730	0.1760	0.1720	0.1740		0.1738
2EYD4M	0.1758	0.1729				0.1744
3KG33M	0.1758	0.1754				0.1756
4MPHAT	0.1787	0.1818	0.1773	0.1802		0.1795
6DUY76	0.1690	0.1740				0.1715
9KJLRL	0.1730	0.1740				0.1735
A2PAF7	0.1715	0.1724				0.1720
CLNCBC	0.1749	0.1763				0.1756
CWLBVQ	0.1770	0.1770				0.1770
DLFRXT	0.1780	0.1770				0.1775
E9LVAZ	0.1732	0.1754				0.1743
EMRRR3	0.1720	0.1710				0.1715
EU8PZL	0.1790	0.1790				0.1790
G3CEQP	0.1750	0.1750				0.1750
GNQ44K	0.1740	0.1740				0.1740
HE2DGR	0.1790	0.1790				0.1790
HMVHBT	0.1780	0.1770				0.1775
HZZ2LT	0.1720	0.1720				0.1720
J77W6T	0.1660	0.1660				0.1660
J7KGPQ	0.1710	0.1719				0.1715
JLXRHK	0.1830	0.1830				0.1830
JMTBJL	0.1810	0.1810				0.1810
KBXGMH	0.1810	0.1820				0.1815
LHTXEY	0.1752	0.1752	0.1747			0.1750
LQ4ZZZ						
LYY6T2	0.1680	0.1680	0.1690	0.1710		0.1690
MGDYVA	0.1713	0.1737	0.1710	0.1741		0.1725
MYRHPT						
NPKZTF	0.1810	0.1810				0.1810
P8X239	0.1823	0.1839	0.1763	0.1781		0.1802
PBWDY9	0.1761	0.1757	0.1757	0.1751		0.1757
PCBKQP	0.1720	0.1750				0.1735
PGNKGG	0.1780	0.1770				0.1775
PJQKJY	0.1726	0.1722				0.1724
PPE6ME	0.1800	0.1820				0.1810
Q8VQMV	0.1730	0.1770	0.1720	0.1770		0.1748
QN3THH	0.1770	0.1780				0.1775
RQLZKQ	0.1751	0.1743				0.1747
RTC7ZG	0.1892	0.1861				0.1877
U7QDPD	0.1775	0.1770				0.1773
UZM7CV	0.1737	0.1737				0.1737
VXBU8Y	0.1790	0.1800				0.1795

TABLE 3A - Item 4 Batch A

WebCode	Item 4 (g/100mL)		Preparation BAC : 0.18g/100mL	Mean
W6UC3M	0.1754	0.1792		0.1773
WZCE96	0.1780	0.1770		0.1775
YB92D7	0.1730	0.1790		0.1760
YC4M7X	0.1710	0.1760	0.1760	0.1743
YCGGKC	0.1688	0.1679		0.1684
YX2D3N	0.1770	0.1760		0.1765
Z2DL28	0.1740	0.1750		0.1745
Z84VB7	0.1730	0.1740		0.1735

Statistical Analysis for Item 4 Batch A					
Grand Mean	0.1758	Number of Participants Included	48	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	2
Standard Deviation	0.0040	Number of Participants Excluded	0	* see summary comments on removal of participants	

TABLE 3A - Response Summary for Batch A

<b>Response Summary</b>	Item 1	Item 2	Item 3	Item 4
<b>Preparation Target BAC:</b>	<b>0.11</b>	<b>0.25</b>	<b>0.05</b>	<b>0.18</b>
Grand Mean	0.1088	0.2479	0.0452	0.1758
Standard Deviation	0.0029	0.0081	0.0017	0.0040

TABLE 3B - Item 1 Batch B

WebCode	Item 1 (g/100mL)				Preparation BAC : 0.11g/100mL		Mean
2G6KLF	0.1102	0.1112	0.1089	0.1101			0.1101
2K293M	0.1076						0.1076
2YZD8D	0.1093	0.1076	0.1182	0.1166			0.1129
3C9F92	0.0980	0.0990	0.0980	0.1030			0.0995
3F8UT7	0.1066	0.1067					0.1067
3LCNVE	0.1084	0.1078					0.1081
3TEH4N	0.1034						0.1034
43DW6D	0.1106	0.1110	0.1108	0.1111			0.1109
7UE6VA	0.1055	0.1047					0.1051
7V4FL3	0.1042	0.1070					0.1056
89TED6	0.1120	0.1120	0.1040	0.1040			0.1080
8CXJD	0.1083						0.1083
96P4UA	0.1151						0.1151
994ZZC	0.1158	0.1153	0.1159	0.1153			0.1156
AGFCR3	0.1145	0.1154	0.1133	0.1139			0.1143
B9X7TB	0.1030	0.1040	0.1030	0.1040	0.1050	0.1060	0.1042
BNQXEC	0.0947						0.0947
C2UJG2	0.1119	0.1112	0.1124	0.1123			0.1120
C7PAMD	0.1086						0.1086
DKPLG3	0.1066	0.1050					0.1058
DTYZDD	0.1076						0.1076
E73LF3	0.1076	0.1073	0.1073	0.1058			0.1070
FGUUEV	0.1040	0.1050					0.1045
GB4UJZ	0.1087	0.1086					0.1087
GH8NRA	0.0965						0.0965
GW6VNQ	0.1080	0.1070					0.1075
HDB823	0.1092						0.1092
JCTPB2	0.1063	0.1068	0.1062	0.1067			0.1065
JFRZ82	0.1137	0.1137	0.1120	0.1124			0.1130
JPWBDQ	0.1000	0.0990					0.0995
JUR2J3	0.1070	0.1070	0.1070	0.1050			0.1065
K7WKV3	0.1044						0.1044
K8UL6Z	0.1096	0.1079					0.1088
KEUADR	0.1151	0.1144	0.1153	0.1150			0.1150
KQPEQX	0.1043						0.1043
M6YQB3	0.1042						0.1042
ME4XRN	0.1070	0.1070	0.1080	0.1080			0.1075
MU3XNX	0.1031	0.1058					0.1045
N78HFP	0.0969	0.0966	0.1039	0.1037			0.1003
QZUJYF	0.1010	0.1050					0.1030
T2W2BG	0.1062	0.1069					0.1066
UCXLBN	0.1056	0.1031	0.1054	0.1032			0.1043

TABLE 3B - Item 1 Batch B

WebCode	Item 1 (g/100mL)				Preparation BAC : 0.11g/100mL	Mean
UR7Y6Q	0.1112	0.1099	0.1102	0.1083		0.1099
W4BUE8	0.1072	0.1066				0.1069
WEB69N	0.1129					0.1129
WHAJTR	0.1063					0.1063
YKQMGF	0.1060	0.1059	0.1057	0.1060		0.1059
YLL7HG	0.0994	0.1010	0.1004	0.1025		0.1008
ZCV4DQ	0.1073					0.1073
ZY86LN	0.1082					0.1082

**Statistical Analysis for Item 1 Batch B**

Grand Mean	0.1069	Number of Participants Included	50	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	0
Standard Deviation	0.0045	Number of Participants Excluded	0		

TABLE 3B - Item 2 Batch B

WebCode	Item 2 (g/100mL)				Preparation BAC : 0.25g/100mL		Mean
2G6KLF	0.2541	0.2581	0.2496	0.2521			0.2535
2K293M	0.2472						0.2472
2YZD8D	0.2654	0.2646	0.2759	0.2743			0.2701
3C9F92	0.2480	0.2490	0.2430	0.2450			0.2463
3F8UT7	0.2495	0.2460					0.2478
3LCNVE	0.2474	0.2509					0.2492
3TEH4N	0.2347						0.2347
43DW6D	0.2580	0.2593	0.2521	0.2534			0.2557
7UE6VA	0.2406	0.2413					0.2410
7V4FL3	0.2415	0.2440					0.2428
89TED6	0.2460	0.2470	0.2440	0.2440			0.2453
8CXJD	0.2355						0.2355
96P4UA	0.2629						0.2629
994ZZC	0.2478	0.2450	0.2474	0.2450			0.2463
AGFCR3	0.2637	0.2634	0.2670	0.2661			0.2651
B9X7TB	0.2420	0.2450	0.2360	0.2370	0.2510	0.2500	0.2435
BNQXEC	0.2232						0.2232
C2UJG2	0.2639	0.2623	0.2656	0.2620			0.2635
C7PAMD	0.2503						0.2503
DKPLG3	0.2424	0.2421					0.2423
DTYZDD	0.2492						0.2492
E73LF3	0.2559	0.2526	0.2568	0.2529			0.2546
FGUUEV	0.2580	0.2600					0.2590
GB4UJZ	0.2521	0.2517					0.2519
GH8NRA	0.2137						0.2137
GW6VNQ	0.2370	0.2430					0.2400
HDB823	0.2494						0.2494
JCTPB2	0.2400	0.2456	0.2413	0.2463			0.2433
JFRZ82	0.2639	0.2638	0.2622	0.2617			0.2629
JPWBDQ	0.2320	0.2290					0.2305
JUR2J3	0.2490	0.2490	0.2460	0.2460			0.2475
K7WKV3	0.2404						0.2404
K8UL6Z	0.2519	0.2483					0.2501
KEUADR	0.2597	0.2574	0.2599	0.2568			0.2585
KQPEQX	0.2244						0.2244
M6YQB3	0.2319						0.2319
ME4XRN	0.2440	0.2490	0.2480	0.2520			0.2483
MU3XNX	0.2443	0.2442					0.2443
N78HFP	0.2514	0.2528	0.2408	0.2379			0.2457
QZUJYF	0.2300	0.2260					0.2280
T2W2BG	0.2418	0.2424					0.2421
UCXLBN	0.2431	0.2407	0.2422	0.2406			0.2417

TABLE 3B - Item 2 Batch B

WebCode	Item 2 (g/100mL)				Preparation BAC : 0.25g/100mL	Mean
UR7Y6Q	0.2499	0.2473	0.2508	0.2505		0.2496
W4BUE8	0.2463	0.2469				0.2466
WEB69N	0.2481					0.2481
WHAJTR	0.2404					0.2404
YKQMGF	0.2394	0.2382	0.2470	0.2487		0.2433
YLL7HG	0.2444	0.2495	0.2442	0.2485		0.2467
ZCV4DQ	0.2476					0.2476
ZY86LN	0.2177					0.2177

**Statistical Analysis for Item 2 Batch B**

Grand Mean	0.2453	Number of Participants Included	50	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	0
Standard Deviation	0.0115	Number of Participants Excluded	0		

TABLE 3B - Item 3 Batch B

WebCode	Item 3 (g/100mL)				Preparation BAC : 0.05g/100mL		Mean
2G6KLF	0.0475	0.0475	0.0456	0.0466			0.0468
2K293M	0.0472						0.0472
2YZD8D	0.0487	0.0479	0.0463	0.0455			0.0471
3C9F92	0.0470	0.0450	0.0440	0.0460			0.0455
3F8UT7	0.0482	0.0418					0.0450
3LCNVE	0.0464	0.0460					0.0462
3TEH4N	0.0465						0.0465
43DW6D	0.0475	0.0475	0.0465	0.0465			0.0470
7UE6VA	0.0455	0.0490					0.0473
7V4FL3	0.0475	0.0459					0.0467
89TED6	0.0470	0.0470	0.0480	0.0470			0.0473
8CXJD	0.0462						0.0462
96P4UA	0.0491						0.0491
994ZZC	0.0496	0.0492	0.0496	0.0491			0.0494
AGFCR3	0.0480	0.0483	0.0483	0.0485			0.0483
B9X7TB	0.0460	0.0460	0.0440	0.0450	0.0460	0.0460	0.0455
BNQXEC	0.0464						0.0464
C2UJG2	0.0498	0.0496	0.0500	0.0501			0.0499
C7PAMD	0.0482						0.0482
DKPLG3	0.0430	0.0454					0.0442
DTYZDD	0.0465						0.0465
E73LF3	0.0447	0.0465	0.0450	0.0466			0.0457
FGUUEV	0.0430	0.0420					0.0425
GB4UJZ	0.0474	0.0472					0.0473
GH8NRA	0.0462						0.0462
GW6VNQ	0.0450	0.0450					0.0450
HDB823	0.0477						0.0477
JCTPB2	0.0457	0.0460	0.0457	0.0459			0.0458
JFRZ82	0.0487	0.0488	0.0485	0.0487			0.0487
JPWBDQ	0.0440	0.0440					0.0440
JUR2J3	0.0460	0.0460	0.0460	0.0460			0.0460
K7WKV3	0.0447						0.0447
K8UL6Z	0.0458	0.0460					0.0459
KEUADR	0.0505	0.0498	0.0493	0.0493			0.0497
KQPEQX	0.0463						0.0463
M6YQB3	0.0477						0.0477
ME4XRN	0.0480	0.0480	0.0490	0.0490			0.0485
MU3XNX	0.0476	0.0474					0.0475
N78HFP	0.0473	0.0475	0.0439	0.0443			0.0458
QZUJYF	0.0570	0.0510					0.0540
T2W2BG	0.0472	0.0473					0.0473
UCXLBN	0.0463	0.0447	0.0465	0.0448			0.0456

TABLE 3B - Item 3 Batch B

WebCode	Item 3 (g/100mL)				Preparation BAC : 0.05g/100mL	Mean
UR7Y6Q	0.0532	0.0532	0.0496	0.0493		0.0513
W4BUE8	0.0470	0.0465				0.0468
WEB69N	0.0500					0.0500
WHAJTR	0.0458					0.0458
YKQMGF	0.0449	0.0446	0.0457	0.0455		0.0452
YLL7HG	0.0423	0.0433	0.0428	0.0436		0.0430
ZCV4DQ	0.0472					0.0472
ZY86LN	0.0465					0.0465

Statistical Analysis for Item 3 Batch B					
Grand Mean	0.0469	Number of Participants Included	50	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	0
Standard Deviation	0.0020	Number of Participants Excluded	0		

TABLE 3B - Item 4 Batch B

WebCode	Item 4 (g/100mL)				Preparation BAC : 0.18g/100mL		Mean
2G6KLF	0.1881	0.1888	0.1817	0.1841			0.1857
2K293M	0.1777						0.1777
2YZD8D	0.1934	0.1928	0.1953	0.1951			0.1942
3C9F92	0.1770	0.1790	0.1770	0.1740			0.1768
3F8UT7	0.1827	0.1816					0.1822
3LCNVE	0.1795	0.1823					0.1809
3TEH4N	0.1736						0.1736
43DW6D	0.1833	0.1839	0.1842	0.1849			0.1841
7UE6VA	0.1770	0.1745					0.1758
7V4FL3	0.1728	0.1714					0.1721
89TED6	0.1730	0.1740	0.1780	0.1780			0.1758
8CXJD	0.1753						0.1753
96P4UA	0.1875						0.1875
994ZZC	0.1774	0.1759	0.1793	0.1776			0.1776
AGFCR3	0.1890	0.1887	0.1937	0.1941			0.1914
B9X7TB	0.1690	0.1690	0.1650	0.1670	0.1700	0.1710	0.1685
BNQXEC	0.1801						0.1801
C2UJG2	0.1901	0.1893	0.1917	0.1894			0.1901
C7PAMD	0.1788						0.1788
DKPLG3	0.1791	0.1757					0.1774
DTYZDD	0.1810						0.1810
E73LF3	0.1857	0.1832	0.1859	0.1827			0.1844
FGUUEV	0.1760	0.1770					0.1765
GB4UJZ	0.1813	0.1810					0.1812
GH8NRA	0.1692						0.1692
GW6VNQ	0.1780	0.1830					0.1805
HDB823	0.1781						0.1781
JCTPB2	0.1738	0.1775	0.1718	0.1755			0.1747
JFRZ82	0.1913	0.1918	0.1894	0.1898			0.1906
JPWBDQ	0.1680	0.1680					0.1680
JUR2J3	0.1800	0.1800	0.1790	0.1770			0.1790
K7WKV3	0.1749						0.1749
K8UL6Z	0.1841	0.1845					0.1843
KEUADR	0.1915	0.1894	0.1912	0.1896			0.1904
KQPEQX	0.1793						0.1793
M6YQB3	0.1782						0.1782
ME4XRN	0.1860	0.1860	0.1890	0.1880			0.1873
MU3XNX	0.1795	0.1802					0.1799
N78HFP	0.1811	0.1806	0.1817	0.1794			0.1807
QZUJYF	0.1820	0.1740					0.1780
T2W2BG	0.1773	0.1785					0.1779
UCXLBN	0.1768	0.1763	0.1766	0.1755			0.1763

TABLE 3B - Item 4 Batch B

WebCode	Item 4 (g/100mL)				Preparation BAC : 0.18g/100mL	Mean
UR7Y6Q	0.1804	0.1784	0.1769	0.1760		0.1779
W4BUE8	0.1783	0.1790				0.1787
WEB69N	0.1869					0.1869
WHAJTR	0.1749					0.1749
YKQMGF	0.1781	0.1788	0.1780	0.1785		0.1784
YLL7HG	0.1806	0.1842	0.1803	0.1837		0.1822
ZCV4DQ	0.1782					0.1782
ZY86LN	0.1787					0.1787

Statistical Analysis for Item 4 Batch B					
Grand Mean	0.1798	Number of Participants Included	50	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	0
Standard Deviation	0.0058	Number of Participants Excluded	0		

TABLE 3B - Response Summary for Batch B

<b>Response Summary</b>	Item 1	Item 2	Item 3	Item 4
<b>Preparation Target BAC:</b>	<b>0.11</b>	<b>0.25</b>	<b>0.05</b>	<b>0.18</b>
Grand Mean	0.1069	0.2453	0.0469	0.1798
Standard Deviation	0.0045	0.0115	0.0020	0.0058

TABLE 3C - Item 1 Batch C

WebCode	Item 1 (g/100mL)		Preparation BAC : 0.11g/100mL						Mean
2EEE7P	0.1080	0.1080							0.1080
2N3A66	0.1180	0.1140							0.1160
2UVALL	0.1000	0.1040	0.1010	0.1050					0.1025
3WU88X	0.1069	0.1067	0.1075	0.1053					0.1066
4XLLDM	0.1070	0.1080							0.1075
6CLMQN	0.1010	0.1030							0.1020
6QDLCW	0.1070	0.1090							0.1080
74H4MW	0.1030	0.1040							0.1035
7A9EWU	0.1060	0.1050							0.1055
8PFVHM	0.1180	0.1140	0.1110						0.1143
AEQ7CD	0.1000	0.1090	0.1040	0.1060					0.1048
BKV2VD	0.1010	0.1030	0.1050	0.1060					0.1038
CAQA7H	0.1070	0.1068	0.1050	0.1048					0.1059
CBKYAC	0.1060	0.1060							0.1060
CEX6JQ	0.1076	0.1070	0.1082	0.1077					0.1076
DBXB6M	0.1059	0.1048							0.1053
DJC2PT	0.0860	0.0890							0.0875
EDHMFC	0.1100								0.1100
EJ78HR	0.0940	0.0960							0.0950
EQNDGJ	0.1020	0.1030							0.1025
ERJVJL	0.1110	0.1090	0.1140	0.1120	0.1060	0.1070	0.1120	0.1120	0.1104
HFBM6J	0.0970	0.0970							0.0970
HTK3EA	0.1120	0.1140	0.1100	0.1130					0.1123
HWNUMA	0.1076	0.1039							0.1058
JJUWYG	0.1000	0.1000							0.1000
KR3V4C	0.1130	0.1110							0.1120
L8DWD8	0.1100	0.1100							0.1100
LPAE79	0.1050	0.1100							0.1075
NGTHE8	0.1095	0.1092							0.1094
NZ6C38	0.1093	0.1098	0.1096	0.1105					0.1098
P9PYBF	0.0932	0.0955	0.0944						0.0944
Q4CGTX	0.1094	0.1095	0.1088	0.1081					0.1090
QD4Z87	0.1080	0.1060							0.1070
RAZJEA	0.1081	0.1088							0.1085
RDX627	0.1103	0.1113							0.1108
T7VFX7	0.1090	0.1090	0.1090	0.1080					0.1088
TFFJ67	0.1110	0.1130							0.1120
TJJGFY	0.0980	0.0970	0.0970	0.0970					0.0973
TMJLA7	0.1037	0.1035							0.1036
TR96B2	0.1160	0.1180	0.1230	0.1250					0.1205
UANYCA	0.1050	0.1050							0.1050
VD2WKW	0.1040	0.1040							0.1040

TABLE 3C - Item 1 Batch C

WebCode	Item 1 (g/100mL)		Preparation BAC : 0.11g/100mL	Mean
VQQQZW	0.1051	0.1047		0.1049
W68DG9	0.1030	0.1030		0.1030
WDLUGV	0.1055	0.1020		0.1038
WVGPL7	0.1100	0.1100		0.1100
XC63ZX	0.1050	0.1050		0.1050
XL7MZ6	0.1040	0.1070		0.1055
Y49LNY	0.1090	0.1070		0.1080
YGYEEU	0.1108	0.1102		0.1105
YZ6Q6V				
ZXGUUV	0.1126	0.1098		0.1112

**Statistical Analysis for Item 1 Batch C**

Grand Mean	0.1063	Number of Participants Included	51	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	1
Standard Deviation	0.0056	Number of Participants Excluded	0	* see summary comments on removal of participants	

TABLE 3C - Item 2 Batch C

WebCode	Item 2 (g/100mL)		Preparation BAC : 0.25g/100mL						Mean
2EEE7P	0.2500	0.2510							0.2505
2N3A66	0.2530	0.2560							0.2545
2UVALL	0.2360	0.2450	0.2360	0.2480					0.2413
3WU88X	0.2439	0.2496	0.2458	0.2424					0.2454
4XLLDM	0.2490	0.2390							0.2440
6CLMQN	0.2340	0.2360							0.2350
6QDLCW	0.2420	0.2350							0.2385
74H4MW	0.2450	0.2480							0.2465
7A9EWU	0.2380	0.2380							0.2380
8PFVHM	0.2760	0.2650	0.2500						0.2637
AEQ7CD	0.2710	0.2770	0.2730	0.2790					0.2750
BKV2VD	0.2330	0.2310	0.2330	0.2320					0.2323
CAQA7H	0.2475	0.2474	0.2472	0.2471					0.2473
CBKYAC	0.2440	0.2440							0.2440
CEX6JQ	0.2481	0.2469	0.2487	0.2471					0.2477
DBXB6M	0.2614	0.2466							0.2540
DJC2PT	0.2100	0.2120							0.2110
EDHMFC	0.2590								0.2590
EJ78HR	0.2230	0.2220							0.2225
EQNDGJ	0.2400	0.2400							0.2400
ERJVJL	0.2540	0.2480	0.2550	0.2500	0.2510	0.2480	0.2600	0.2590	0.2531
HFBM6J	0.2440	0.2430							0.2435
HTK3EA	0.2500	0.2550	0.2500	0.2520					0.2518
HWNUMA	0.2321	0.2417							0.2369
JJUWYG	0.2400	0.2400							0.2400
KR3V4C	0.2550	0.2570							0.2560
L8DWD8	0.2470	0.2510							0.2490
LPAE79	0.2560	0.2530							0.2545
NGTHE8	0.2512	0.2528							0.2520
NZ6C38	0.2513	0.2552	0.2498	0.2556					0.2530
P9PYBF	0.2210	0.2267	0.2210						0.2229
Q4CGTX	0.2487	0.2486	0.2494	0.2484					0.2488
QD4Z87	0.2470	0.2480							0.2475
RAZJEA	0.2512	0.2463							0.2487
RDX627	0.2514	0.2511							0.2513
T7VFX7	0.2480	0.2490	0.2500	0.2500					0.2493
TFFJ67	0.2560	0.2640							0.2600
TJJGFY	0.2260	0.2270	0.2240	0.2260					0.2258
TMJLA7	0.2362	0.2335							0.2348
TR96B2	0.3680	0.3730	0.3630	0.3840					0.3720 X
UANYCA	0.2506	0.2483							0.2495
VD2WKW	0.2400	0.2430							0.2415

TABLE 3C - Item 2 Batch C

WebCode	Item 2 (g/100mL)		Preparation BAC : 0.25g/100mL	Mean
VQQQZW	0.2409	0.2441		0.2425
W68DG9	0.2410	0.2440		0.2425
WDLUGV	0.2315	0.2331		0.2323
WVGPL7	0.2510	0.2520		0.2515
XC63ZX	0.2380	0.2420		0.2400
XL7MZ6	0.2470	0.2510		0.2490
Y49LNY	0.2470	0.2480		0.2475
YGYEEU	0.2485	0.2511		0.2498
YZ6Q6V				
ZXGUUV	0.2487	0.2487		0.2487

**Statistical Analysis for Item 2 Batch C**

Grand Mean	0.2453	Number of Participants Included	50	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	1
Standard Deviation	0.0109	Number of Participants Excluded	1	* see summary comments on removal of participants	

TABLE 3C - Item 3 Batch C

WebCode	Item 3 (g/100mL)		Preparation BAC : 0.05g/100mL						Mean
2EEE7P	0.0450	0.0450							0.0450
2N3A66	0.0420	0.0420							0.0420
2UVALL	0.0430	0.0430	0.0430	0.0430					0.0430
3WU88X	0.0460	0.0446	0.0437	0.0430					0.0443
4XLLDM	0.0470	0.0460							0.0465
6CLMQN	0.0450	0.0450							0.0450
6QDLCW	0.0450	0.0450							0.0450
74H4MW	0.0460	0.0450							0.0455
7A9EWU	0.0470	0.0470							0.0470
8PFVHM	0.0460	0.0440	0.0430						0.0443
AEQ7CD	0.0410	0.0450	0.0470	0.0470					0.0450
BKV2VD	0.0450	0.0450	0.0460	0.0450					0.0453
CAQA7H	0.0460	0.0462	0.0460	0.0461					0.0461
CBKYAC	0.0460	0.0450							0.0455
CEX6JQ	0.0450	0.0449	0.0459	0.0464					0.0456
DBXB6M	0.0439	0.0439							0.0439
DJC2PT	0.0330	0.0330							0.0330
EDHMFC	0.0450								0.0450
EJ78HR	0.0390	0.0390							0.0390
EQNDGJ	0.0320	0.0310							0.0315
ERJVJL	0.0470	0.0470	0.0470	0.0450	0.0460	0.0460	0.0480	0.0480	0.0468
HFBM6J	0.0400	0.0400							0.0400
HTK3EA	0.0460	0.0490	0.0460	0.0490					0.0475
HWNUMA	0.0451	0.0449							0.0450
JJUWYG	0.0400	0.0400							0.0400
KR3V4C	0.0500	0.0480							0.0490
L8DWD8	0.0490	0.0480							0.0485
LPAE79	0.0450	0.0450							0.0450
NGTHE8	0.0476	0.0467							0.0472
NZ6C38	0.0472	0.0470	0.0471	0.0471					0.0471
P9PYBF	0.0380	0.0391	0.0380						0.0384
Q4CGTX	0.0461	0.0469	0.0473	0.0477					0.0470
QD4Z87	0.0460	0.0450							0.0455
RAZJEA	0.0464	0.0454							0.0459
RDX627	0.0469	0.0465							0.0467
T7VFX7	0.0470	0.0460	0.0480	0.0460					0.0468
TFFJ67	0.0460	0.0460							0.0460
TJJGFY	0.0410	0.0410	0.0400	0.0400					0.0405
TMJLA7	0.0448	0.0445							0.0446
TR96B2	0.0760	0.0760	0.0480	0.0510					0.0628
UANYCA	0.0413	0.0413							0.0413
VD2WKW	0.0430	0.0430							0.0430

TABLE 3C - Item 3 Batch C

WebCode	Item 3 (g/100mL)		Preparation BAC : 0.05g/100mL	Mean
VQQQZW	0.0441	0.0441		0.0441
W68DG9	0.0380	0.0380		0.0380
WDLUGV	0.0425	0.0438		0.0432
WVGPL7	0.0480	0.0470		0.0475
XC63ZX	0.0460	0.0460		0.0460
XL7MZ6	0.0440	0.0440		0.0440
Y49LNY	0.0470	0.0460		0.0465
YGYEEU	0.0468	0.0471		0.0470
YZ6Q6V				
ZXGUUV	0.0462	0.0456		0.0459

**Statistical Analysis for Item 3 Batch C**

Grand Mean	0.0446	Number of Participants Included	51	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	1
Standard Deviation	0.0044	Number of Participants Excluded	0	* see summary comments on removal of participants	

TABLE 3C - Item 4 Batch C

WebCode	Item 4 (g/100mL)		Preparation BAC : 0.18g/100mL					Mean	
2EEE7P	0.1770	0.1770						0.1770	
2N3A66	0.1870	0.1850						0.1860	
2UVALL	0.1650	0.1750	0.1660	0.1760				0.1705	
3WU88X	0.1760	0.1727	0.1731	0.1717				0.1734	
4XLLDM	0.1760	0.1730						0.1745	
6CLMQN	0.1670	0.1700						0.1685	
6QDLCW	0.1700	0.1720						0.1710	
74H4MW	0.1720	0.1710						0.1715	
7A9EWU	0.1710	0.1710						0.1710	
8PFVHM	0.2010	0.1890	0.1800					0.1900	
AEQ7CD	0.1770	0.1820	0.1840	0.1770				0.1800	
BKV2VD	0.1690	0.1700	0.1670	0.1690				0.1688	
CAQA7H	0.1766	0.1765	0.1762	0.1760				0.1763	
CBKYAC	0.1730	0.1740						0.1735	
CEX6JQ	0.1747	0.1745	0.1756	0.1748				0.1749	
DBXB6M	0.1733	0.1723						0.1728	
DJC2PT	0.1510	0.1520						0.1515	
EDHMFC	0.1710							0.1710	
EJ78HR	0.1600	0.1600						0.1600	
EQNDGJ	0.1710	0.1710						0.1710	
ERJVJL	0.1780	0.1760	0.1780	0.1760	0.1760	0.1770	0.1820	0.1840	0.1784
HFBM6J	0.1790	0.1770							0.1780
HTK3EA	0.1730	0.1740	0.1750	0.1790					0.1753
HWNUMA	0.1705	0.1740							0.1723
JJUWYG	0.1700	0.1700							0.1700
KR3V4C	0.1820	0.1810							0.1815
L8DWD8	0.1800	0.1820							0.1810
LPAE79	0.1760	0.1770							0.1765
NGTHE8	0.1779	0.1771							0.1775
NZ6C38	0.1772	0.1792	0.1770	0.1786					0.1780
P9PYBF	0.1692	0.1588	0.1669						0.1650
Q4CGTX	0.1765	0.1758	0.1765	0.1761					0.1762
QD4Z87	0.1740	0.1740							0.1740
RAZJEA	0.1734	0.1741							0.1738
RDX627	0.1769	0.1789							0.1779
T7VFX7	0.1780	0.1780	0.1750	0.1780					0.1773
TFFJ67	0.1830	0.1850							0.1840
TJJGFY	0.1610	0.1610	0.1610	0.1600					0.1608
TMJLA7	0.1649	0.1682							0.1665
TR96B2	0.2370	0.2450	0.2470	0.2310					0.2400 X
UANYCA	0.1771	0.1775							0.1773
VD2WKW	0.1730	0.1750							0.1740

TABLE 3C - Item 4 Batch C

WebCode	Item 4 (g/100mL)		Preparation BAC : 0.18g/100mL	Mean
VQQQZW	0.1752	0.1731		0.1742
W68DG9	0.1750	0.1750		0.1750
WDLUGV	0.1688	0.1687		0.1688
WVGPL7	0.1780	0.1800		0.1790
XC63ZX	0.1710	0.1740		0.1725
XL7MZ6	0.1730	0.1730		0.1730
Y49LNY	0.1760	0.1750		0.1755
YGYEEU	0.1776	0.1758		0.1767
YZ6Q6V				
ZXGUUV	0.1768	0.1763		0.1765

Statistical Analysis for Item 4 Batch C					
Grand Mean	0.1740	Number of Participants Included	50	Number of Participants without Raw Data or Data that was not reported in g/ 100mL	1
Standard Deviation	0.0064	Number of Participants Excluded	1	* see summary comments on removal of participants	

TABLE 3C - Response Summary for Batch C

<b>Response Summary</b>	Item 1	Item 2	Item 3	Item 4
<b>Preparation Target BAC:</b>	<b>0.11</b>	<b>0.25</b>	<b>0.05</b>	<b>0.18</b>
Grand Mean	0.1063	0.2453	0.0446	0.1740
Standard Deviation	0.0056	0.0109	0.0044	0.0064

# Method of Analysis

TABLE 4

Method of Analysis

Batch - WebCode	Headspace GC	Direct Injection GC	Alcohol Dehydrogenase	Other
A - 2BKFXL	✓			
A - 2EYD4M	✓			
A - 3KG33M	✓			
A - 4MPHAT	✓			
A - 6DUY76		✓		
A - 9KJLRL	✓			
A - A2PAF7	✓			
A - CLNCBC	✓			
A - CWLBVQ	✓			
A - DLFRTX	✓			
A - E9LVAZ	✓			
A - EMRRR3		✓		
A - EU8PZL	✓			
A - G3CEQP	✓			
A - GNQ44K	✓			
A - HE2DGR	✓			
A - HMOVHBT	✓			
A - HZZ2LT		✓		
A - J77W6T		✓		
A - J7KGPQ	✓			
A - JLXRHK	✓			
A - JMTBJL	✓			
A - KBXGMH	✓			
A - LHTXEY	✓			
A - LQ4ZZZ	✓			
A - LYY6T2	✓			
A - MGDYVA	✓			
A - MYRHPT	✓			
A - NPKZTF	✓			
A - P8X239	✓			
A - PBWDY9	✓			
A - PCBKKP	✓			

TABLE 4  
Method of Analysis

Batch - WebCode	Headspace GC	Direct Injection GC	Alcohol Dehydrogenase	Other
A - PGNKGG	✓			
A - PJQKJY	✓			
A - PPE6ME	✓			
A - Q8VQMV	✓			
A - QN3THH	✓			
A - RQLZKQ	✓			
A - RTC7ZG	✓			
A - U7QDPD	✓			
A - UZM7CV	✓			
A - VXBU8Y	✓			
A - W6UC3M	✓			
A - WZCE96	✓			
A - YB92D7	✓			
A - YC4M7X	✓			
A - YCGGKC		✓		
A - YX2D3N	✓			
A - Z2DL28	✓			
A - Z84VB7				Smith-Widmark Diffusion-Oxidation
B - 2G6KLF	✓			
B - 2K293M	✓			
B - 2YZD8D	✓			
B - 3C9F92	✓			
B - 3F8UT7	✓			
B - 3LCNVE	✓			
B - 3TEH4N	✓			
B - 43DW6D	✓			
B - 7UE6VA	✓			
B - 7V4FL3	✓			
B - 89TED6	✓			
B - 8CXXJD	✓			
B - 96P4UA	✓			
B - 994ZZC	✓			
B - AGFCR3	✓			

TABLE 4  
Method of Analysis

Batch - WebCode	Headspace GC	Direct Injection GC	Alcohol Dehydrogenase	Other
B - B9X7TB	✓			
B - BNQXEC	✓			
B - C2UJG2	✓			
B - C7PAMD	✓			
B - DKPLG3	✓			
B - DTYZDD	✓			
B - E73LF3				Heated Head Space Gas Chromatography
B - FGUUEV	✓			
B - GB4UJZ	✓			
B - GH8NRA	✓			
B - GW6VNIQ	✓			
B - HDB823	✓			
B - JCTPB2	✓			
B - JFRZ82	✓			
B - JPWBDQ	✓			
B - JUR2J3	✓			
B - K7WKV3	✓			
B - K8UL6Z	✓			
B - KEUADR	✓			
B - KQPEQX	✓			
B - M6YQB3	✓			
B - ME4XRN	✓			
B - MU3XNX	✓			
B - N78HFP	✓			
B - QZUJYF	✓			
B - T2W2BG	✓			
B - UCXLBN	✓			
B - UR7Y6Q	✓			
B - W4BUE8	✓			
B - WEB69N	✓			
B - WHAJTR	✓			
B - YKQMGF	✓			
B - YLL7HG	✓			

TABLE 4  
Method of Analysis

Batch - WebCode	Headspace GC	Direct Injection GC	Alcohol Dehydrogenase	Other
B - ZCV4DQ	✓			
B - ZY86LN	✓			
C - 2EEE7P	✓			
C - 2N3A66	✓			
C - 2UVALL		✓		
C - 3WU88X	✓			
C - 4XLDM	✓			
C - 6CLMQN	✓			
C - 6QDLCW	✓			
C - 74H4MW	✓			
C - 7A9EWU	✓			
C - 8PFVHM	✓			
C - AEQ7CD		✓		
C - BKV2VD	✓			
C - CAQA7H	✓			
C - CBKYAC				Modified Smith-Widmark
C - CEX6JQ	✓			
C - DBXB6M	✓			
C - DJC2PT	✓			
C - EDHMFC		✓		
C - EJ78HR	✓			
C - EQNDGJ				Microdiffusion by Winnick
C - ERJVJL	✓			
C - HFBM6J	✓			
C - HTK3EA	✓			
C - HWNUMA	✓			
C - JJUWYG	✓			
C - KR3V4C	✓			
C - L8DWD8	✓			
C - LPAE79	✓			
C - NGTHE8	✓			
C - NZ6C38	✓			

TABLE 4  
Method of Analysis

Batch - WebCode	Headspace GC	Direct Injection GC	Alcohol Dehydrogenase	Other
C - P9PYBF	✓			Determination of blood alcohol by the Winnick's method
C - Q4CGTX	✓			
C - QD4Z87	✓			
C - RAZJEA	✓			
C - RDX627	✓			
C - T7VFX7		✓		
C - TFFJ67	✓			
C - TJJGFY	✓			
C - TMJLA7	✓			
C - TR96B2	✓			
C - UANYCA	✓			
C - VD2WKW	✓			
C - VQQQZW	✓			
C - W68DG9	✓			
C - WDLUGV	✓			
C - WVGPL7	✓			
C - XC63ZX	✓			
C - XL7MZ6	✓			
C - Y49LNY	✓			
C - YGYEEU	✓			
C - YZ6Q6V	✓			
C - ZXGUW	✓			

Response Summary			
Participants	Headspace GC	Direct Injection GC	Alcohol Dehydrogenase
152	139	9	0
Percent	91%	6%	0%

# Additional Comments

TABLE 5

Batch - WebCode	Additional Comments
A - DLFRXT	GC#8
A - EU8PZL	Item 2 was clotted and had to be homogenized before analysis.
A - HMOVHBT	GC#8
A - J77W6T	GC - FID, Glass packed column, GP Carbopack B 60/80 5% Carbowax 20m.
A - LQ4ZZZ	[From Table 3 - Raw Data & Statistical Analysis: Listing of raw data not used in statistical calculations "Item 1: 107, 107; Item 2: 240, 244; Item 3: 45, 45; Item 4: 174, 173"]
A - MYRHPT	[From Table 3 - Raw Data & Statistical Analysis: Listing of raw data not used in statistical calculations "Item 1: 1.08, 1.09, 1.10, 1.10; Item 2: 2.44, 2.51, 2.44, 2.54; Item 3: 0.46, 0.46, 0.45, 0.45; Item 4: 1.75, 1.76, 1.77, 1.78"]
A - P8X239	Values are considered $\pm 5.94\%$ for uncertainty of measurement.
A - PBWDY9	Uncertainty of measurement: $\pm 5.94\%$ .
A - PGNKGG	GC#8
B - AGFCR3	Samples #2 and #4 contain trace Acetone.
B - ME4XRN	Samples were analyzed during pre-distribution testing.
B - W4BUE8	Crime alcohol cases reported as in Table 1 - Reported Results. Drunk in charge alcohol cases reported after subtraction of an allowance to cover standard deviation. In drunk in charge case results would be reported as "not less than": 99 mg%, 231 mg%, 40 mg% and 167 mg%.
C - CEX6JQ	Two aliquots are drawn from each item. Each of the two replicate aliquots is simultaneously assayed in duplicate on two parallel columns, thereby yielding a total of four result values for each item. The mean value of the four determinations is truncated to three decimal places for reporting purposes.
C - EQNDGJ	The GC-FID is out of service.
C - NZ6C38	6% of the average result has been subtracted from the mean result to provide the reported figure. e.g. Item 1: measured average = 109.8. 6% of 109 = 6.54 (average rounded down). 109 - 6.54 = 102mg/100ml.
C - VD2WKW	Results are truncated[sic], not rounded.
C - YZ6Q6V	[From Table 3 - Raw Data & Statistical Analysis: Listing of raw data not used in statistical calculations "Item 1: 95, 93; Item 2: 222, 212; Item 3: 39, 39; Item 4: 160, 154"]

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

## Test No. 10-564: Blood Alcohol

DATA MUST BE RECEIVED BY May 10, 2010 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### Please Note: The Accreditation Release Section Has Moved

CTS submits external proficiency test data directly to ASCLD/LAB and FQS-International. Please select one of the following statements to ensure your data is handled appropriately.

This participant's data is intended for submission to ASCLD/LAB and/or FQS-International. (Accreditation Release section on the last page must be completed and submitted.)

This participant's data is NOT intended for submission to ASCLD/LAB or FQS-International.

#### Test Description:

Investigators have submitted four vials of blood from separate cases to be examined; each was taken from a person suspected of driving under the influence of alcohol. Using your laboratory's procedures, analyze each vial and report the blood alcohol concentration.

Please disregard the vials labeling with regard to NaF; additional NaF was added to achieve a 1% w/v concentration in the blood in the vials.

#### Items Submitted (Sample Pack X1):

Items 1-4: Vials of Blood

#### 1a.) What is the blood alcohol concentration of the sample in each of the vials? (Results should be reported using your laboratory reporting criteria for decimal places and units.)

	Units
Item 1: _____	(            )
Item 2: _____	(            )
Item 3: _____	(            )
Item 4: _____	(            )

#### 1b.) Are the values listed above:

The mean of several determinations?

The lowest value of several determinations?

Other? (Specify): \_\_\_\_\_

Please return all pages of this data sheet.

Page 1 of 3

Participant Code:

WebCode:

2.) Please list your raw data determinations below in g/100mL. (Results not reported in g/100mL will be excluded from statistical calculations).

Item 1 (g/100mL)	Item 2 (g/100mL)	Item 3 (g/100mL)	Item 4 (g/100mL)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3a.) Batch A, B or C (letter found on Item label on blood tubes): \_\_\_\_\_

3b.) Date Samples Received: \_\_\_\_\_ 3c.) Date(s) Samples Analyzed: \_\_\_\_\_

4.) Method of Analysis:

Headspace GC

Direct Injection GC

Alcohol Dehydrogenase

Other: \_\_\_\_\_

5.) Additional Comments

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**Return Instructions**

Participant Code:

Data Sheets can be mailed or faxed (please include a cover sheet) and must be received by *May 10, 2010* to be included in the report.

MAIL: Collaborative Testing Services, Inc.  
Forensic Testing Program  
P.O. Box 650820  
Sterling, VA 20165-0820 USA

FAX: +1-571-434-1937  
or Toll-Free (U.S. only): 1-866-FAX-2CTS (329-2287)  
TEL: +1-571-434-1925 (8 am - 4:30 pm EST)  
EMAIL: forensics@cts-interlab.com

www.ctsforensics.com

**Please return all pages of this data sheet.**

## RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **10-564: Blood Alcohol**

This release page must be completed and received by **May 10, 2010** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

### **ASCLD/LAB RELEASE**

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.

***The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.***

ASCLD/LAB Legacy Certificate No. \_\_\_\_\_ ASCLD/LAB International Certificate No. \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### **FQS-INTERNATIONAL RELEASE**

If your laboratory maintains its accreditation through FQS-International, please complete the following form in its entirety to have your results forwarded.

FQS-International Certificate No. \_\_\_\_\_

Signature and Title: \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### Accreditation Release

#### **Return Instructions**

*Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.*

*Questions? Contact us 8 am-4:30 pm EST  
Telephone: +1-571-434-1925  
email: [forensics@cts-interlab.com](mailto:forensics@cts-interlab.com)*

**Please return all pages of this data sheet.**

Page 3 of 3