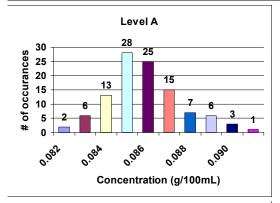
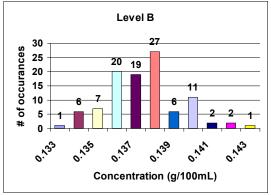
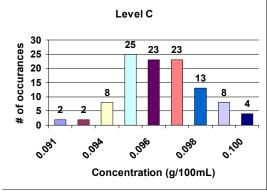
## 2019 Cycle 2 Blood Proficiency Test Results Summary

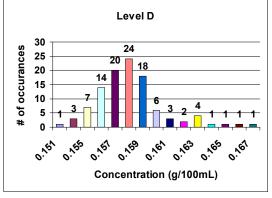
Statistics - First Iteration							
Level N Mean Std Dev (SD) Mean - 3 (SD) Mean + 3 (S							
Α	106	0.086	0.002	0.080	0.092		
В	104	0.137	0.002	0.131	0.143		
С	108	0.096	0.002	0.090	0.102		
D	106	0.158	0.003	0.149	0.167		
Е	104	0.072	0.002	0.066	0.078		

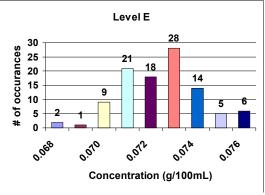
Statistics - Second Iteration							
Level N Mean Std Dev (SD) Mean - 3 (SD) Mean + 3 (SI							
Α	106	0.086	0.002	0.080	0.092		
В	102	0.137	0.002	0.131	0.143		
С	108	0.096	0.002	0.090	0.102		
D	106	0.158	0.003	0.149	0.167		
Е	104	0.072	0.002	0.066	0.078		







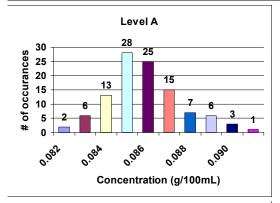


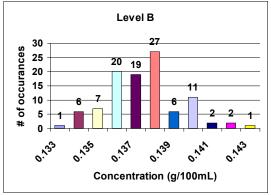


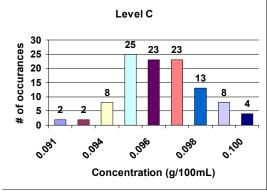
## 2019 Cycle 2 Blood Proficiency Test Results Summary

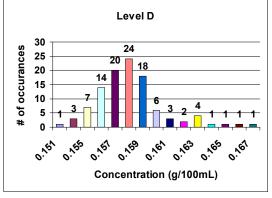
Statistics - First Iteration							
Level N Mean Std Dev (SD) Mean - 3 (SD) Mean + 3 (S							
Α	106	0.086	0.002	0.080	0.092		
В	104	0.137	0.002	0.131	0.143		
С	108	0.096	0.002	0.090	0.102		
D	106	0.158	0.003	0.149	0.167		
Е	104	0.072	0.002	0.066	0.078		

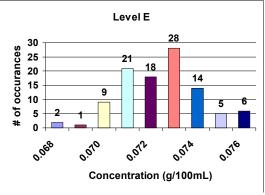
Statistics - Second Iteration							
Level N Mean Std Dev (SD) Mean - 3 (SD) Mean + 3 (SI							
Α	106	0.086	0.002	0.080	0.092		
В	102	0.137	0.002	0.131	0.143		
С	108	0.096	0.002	0.090	0.102		
D	106	0.158	0.003	0.149	0.167		
Е	104	0.072	0.002	0.066	0.078		







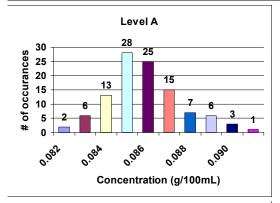


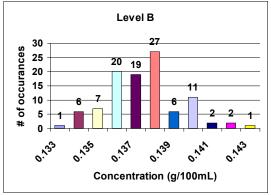


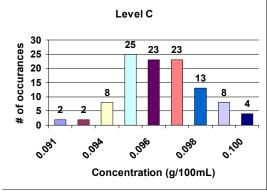
## 2019 Cycle 2 Blood Proficiency Test Results Summary

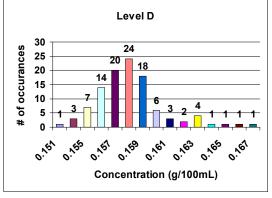
Statistics - First Iteration							
Level N Mean Std Dev (SD) Mean - 3 (SD) Mean + 3 (S							
Α	106	0.086	0.002	0.080	0.092		
В	104	0.137	0.002	0.131	0.143		
С	108	0.096	0.002	0.090	0.102		
D	106	0.158	0.003	0.149	0.167		
Е	104	0.072	0.002	0.066	0.078		

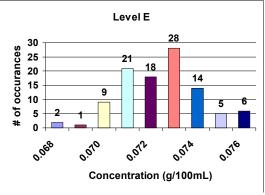
Statistics - Second Iteration							
Level N Mean Std Dev (SD) Mean - 3 (SD) Mean + 3 (SI							
Α	106	0.086	0.002	0.080	0.092		
В	102	0.137	0.002	0.131	0.143		
С	108	0.096	0.002	0.090	0.102		
D	106	0.158	0.003	0.149	0.167		
Е	104	0.072	0.002	0.066	0.078		











#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15218 Method GC

Analyst Name Adams, Susan

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2350	0.094	-1.0	0.095	-0.5
Initial	D	2460	0.159	0.3	0.159	0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15075 Method GC

Analyst Name Allard, Roger

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2260	0.139	1.0	0.139	1.0
Initial	Е	2550	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15097 Method GC

Analyst Name Anderson, Carla

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2150	0.087	0.5	0.090	2.0
Initial	D	2450	0.159	0.3	0.159	0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15171 Method GC

Analyst Name Baldwin, Jacquelyn

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2310	0.099	1.5	0.100	2.0
Initial	E	2560	0.075	1.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15090 Method GC

Analyst Name Boland, Diane

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2410	0.158	0.0	0.159	0.3
Initial	Е	2559	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15215 Method GC

Analyst Name Carey, Regina

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2160	0.087	0.5	0.086	0.0
Initial	В	2250	0.138	0.5	0.140	1.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15253 Method GC

Analyst Name Carswell, Katheryn

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2430	0.159	0.3	0.160	0.7
Initial	E	2530	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15286 Method GC

Analyst Name Catlin (Rev. 1), Tara

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2360	0.099	1.5	0.098	1.0
Initial	E	2510	0.074	1.0	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15287 Method GC

Analyst Name Chin (Rev. 1), Jenna

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2130	0.088	1.0	0.087	0.5
Initial	С	2330	0.098	1.0	0.099	1.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15319 Method GC

Analyst Name DeVincenzo, Timothy

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2140	0.087	0.5	0.086	0.0
Initial	D	2420	0.157	-0.3	0.162	1.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15276 Method GC

Analyst Name D'Orazio, Amanda

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2149	0.085	-0.5	0.084	-1.0
Initial	С	2340	0.095	-0.5	0.095	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15239 Method GC

Analyst Name Finkelstein, Marissa

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2230	0.137	0.0	0.137	0.0
Initial	D	2440	0.158	0.0	0.157	-0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15313 Method GC

Analyst Name Geisbert (HS108), William

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2159	0.091	2.5	0.089	1.5
Initial	D	2409	0.163	1.7	0.161	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15314 Method GC

Analyst Name Geisbert (HS110), William

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2210	0.138	0.5	0.137	0.0
Initial	Е	2540	0.074	1.0	0.074	1.0

#### Proficiency Cycle Statistics

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15240 Method GC

Analyst Name Giachetti, Alexander

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2110	0.086	0.0	0.087	0.5
Initial	В	2220	0.139	1.0	0.138	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15277 Method GC

Analyst Name Gilton (Rev. 1), Kelsey

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2320	0.100	2.0	0.099	1.5
Initial	D	2449	0.162	1.3	0.163	1.7

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15194 Method GC

Analyst Name Gonyea, Jennifer

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2240	0.138	0.5	0.138	0.5
Initial	D	2459	0.159	0.3	0.157	-0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15241 Method GC

Analyst Name Gottal, Josephine

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2209	0.134	-1.5	0.135	-1.0
Initial	D	2429	0.155	-1.0	0.154	-1.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15320 Method GC

Analyst Name Harvan, Michael

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2120	0.086	0.0	0.086	0.0
Initial	D	2419	0.158	0.0	0.159	0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15039 Method GC

Analyst Name Hime, George

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2109	0.086	0.0	0.086	0.0
Initial	E	2549	0.072	0.0	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15191 Method GC

Analyst Name Huene (HS110), Lauren

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2249	0.139	1.0	0.138	0.5
Initial	С	2309	0.096	0.0	0.096	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15202 Method GC

Analyst Name Humphrey, Susan

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2349	0.098	1.0	0.098	1.0
Initial	Е	2520	0.072	0.0	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 12129 Method GC

Analyst Name Jacobs (2.0.17r2), Monica

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2259	0.137	0.0	0.137	0.0
Initial	D	2439	0.157	-0.3	0.157	-0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15298 Method GC

Analyst Name Jacobs (2.0.34r1), Monica

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2129	0.086	0.0	0.084	-1.0
Initial	E	2509	0.072	0.0	0.070	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15149 Method GC

Analyst Name Kahl, Joseph

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2448	0.158	0.0	0.160	0.7
Initial	E	2529	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15279 Method GC

Analyst Name Kahl (2.0.17r2), Kristin

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2229	0.137	0.0	0.138	0.5
Initial	С	2329	0.096	0.0	0.096	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15297 Method GC

Analyst Name Kahl (2.0.34r1), Kristin

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2458	0.156	-0.7	0.158	0.0
Initial	E	2519	0.071	-0.5	0.071	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15270 Method GC

Analyst Name Kamandulis (AA-6r1), Linet

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2139	0.084	-1.0	0.084	-1.0
Initial	Е	2508	0.071	-0.5	0.070	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15275 Method GC

Analyst Name Kotretsos, Eleni

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2408	0.154	-1.3	0.156	-0.7
Initial	Е	2539	0.071	-0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15278 Method GC

Analyst Name Kudrysch (Rev. 1), John

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2119	0.089	1.5	0.088	1.0
Initial	D	2428	0.163	1.7	0.165	2.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15181 Method GC

Analyst Name Kunsman, Gary

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2359	0.097	0.5	0.100	2.0
Initial	Е	2548	0.075	1.5	0.075	1.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15269 Method GC

Analyst Name Lewis (AA-6r1), Jennifer

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2108	0.085	-0.5	0.085	-0.5
Initial	В	2258	0.138	0.5	0.137	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15125 Method GC

Analyst Name Maragh, Sharin

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2148	0.090	2.0	0.088	1.0
Initial	В	2239	0.137	0.0	0.140	1.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15216 Method GC

Analyst Name Mark, Amy

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2339	0.097	0.5	0.097	0.5
Initial	E	2558	0.072	0.0	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15266 Method GC

Analyst Name Mazek (AA-6r1), Kathleen

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2348	0.095	-0.5	0.095	-0.5
Initial	Е	2528	0.072	0.0	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15188 Method GC

Analyst Name McKee, Stacy

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2418	0.158	0.0	0.161	1.0
Initial	Е	2518	0.074	1.0	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15201 Method GC

Analyst Name Miller, Russell

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2128	0.086	0.0	0.086	0.0
Initial	D	2407	0.158	0.0	0.158	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15274 Method GC

Analyst Name Miller (AA-6r1), Mattheu

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2158	0.084	-1.0	0.084	-1.0
Initial	В	2208	0.136	-0.5	0.136	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15147 Method GC

Analyst Name Montgomery (HS110), Lisa

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2248	0.138	0.5	0.139	1.0
Initial	E	2538	0.074	1.0	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15321 Method GC

Analyst Name Mulcahy, Casey

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2228	0.135	-1.0	0.134	-1.5
Initial	D	2438	0.155	-1.0	0.155	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15317 Method GC

Analyst Name Nguyen, Bryan

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2138	0.089	1.5	0.090	2.0
Initial	Е	2527	0.076	2.0	0.076	2.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15273 Method GC

Analyst Name Pacheco (AA-6r1), Jamie

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2218	0.138	0.5	0.138	0.5
Initial	С	2319	0.097	0.5	0.096	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15224 Method GC

Analyst Name Patel, Minakshi

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2238	0.136	-0.5	0.140	1.5
Initial	С	2308	0.097	0.5	0.097	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15176 Method GC

Analyst Name Raymonvil, Wilsa

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2358	0.097	0.5	0.096	0.0
Initial	Е	2557	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15126 Method GC

Analyst Name Reidy (2.0.17r2), Lisa

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2118	0.088	1.0	0.088	1.0
Initial	В	2207	0.139	1.0	0.138	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15299 Method GC

Analyst Name Reidy (2.0.34r1), Lisa

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2227	0.140	1.5	0.140	1.5
Initial	С	2328	0.098	1.0	0.097	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15280 Method GC

Analyst Name Richter, Stephanie

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2257	0.138	0.5	0.138	0.5
Initial	С	2318	0.097	0.5	0.098	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15264 Method GC

Analyst Name Rothrock (HS108), Tashiana

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2147	0.089	1.5	0.089	1.5
Initial	Е	2517	0.076	2.0	0.076	2.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15265 Method GC

Analyst Name Rothrock (HS110), Tashiana

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2237	0.140	1.5	0.140	1.5
Initial	С	2307	0.098	1.0	0.098	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15312 Method GC

Analyst Name Samuel, Jacob

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2217	0.138	0.5	0.138	0.5
Initial	D	2427	0.158	0.0	0.159	0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15271 Method GC

Analyst Name Sanders (AA-6r1), Leeona

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2127	0.087	0.5	0.087	0.5
Initial	С	2338	0.097	0.5	0.097	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15234 Method GC

Analyst Name Scott (HS108), Tyler

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2263	0.140	1.5	0.140	1.5
Initial	С	2327	0.099	1.5	0.099	1.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15233 Method GC

Analyst Name Scott (HS110), Tyler

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2107	0.085	-0.5	0.085	-0.5
Initial	D	2447	0.156	-0.7	0.157	-0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15121 Method GC

Analyst Name Shan, Xiaoqin

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2157	0.086	0.0	0.086	0.0
Initial	В	2226	0.137	0.0	0.137	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15227 Method GC

Analyst Name Shanks (2.0.17r2), Christopher

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2163	0.087	0.5	0.085	-0.5
Initial	С	2357	0.096	0.0	0.096	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15301 Method GC

Analyst Name Shanks (2.0.34r1), Christopher

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2117	0.085	-0.5	0.085	-0.5
Initial	В	2246	0.136	-0.5	0.136	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15268 Method GC

Analyst Name Shaw (AA-6r1), Kristie

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2347	0.096	0.0	0.096	0.0
Initial	D	2457	0.158	0.0	0.158	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15193 Method GC

Analyst Name Shoff, Elisa

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2306	0.096	0.0	0.097	0.5
Initial	Е	2506	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15247 Method GC

Analyst Name Smith, Trisha

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2164	0.085	-0.5	0.083	-1.5
Initial	D	2417	0.157	-0.3	0.155	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15252 Method GC

Analyst Name Snow, Jenna

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2256	0.134	-1.5	0.134	-1.5
Initial	С	2317	0.094	-1.0	0.094	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15281 Method GC

Analyst Name Tarlo, Olivia

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2337	0.095	-0.5	0.094	-1.0
Initial	E	2537	0.071	-0.5	0.071	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15122 Method GC

Analyst Name <u>Tiscione</u>, Nicholas

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2346	0.095	-0.5	0.095	-0.5
Initial	Е	2526	0.072	0.0	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15155 Method GC

Analyst Name Titko, Justine

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2156	0.084	-1.0	0.085	-0.5
Initial	E	2516	0.071	-0.5	0.070	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15060 Method GC

Analyst Name Toth, Mary Lou

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2326	0.097	0.5	0.098	1.0
Initial	D	2437	0.159	0.3	0.158	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15223 Method GC

Analyst Name Troescher, Lisa

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	D	2406	0.158	0.0	0.159	0.3
Initial	Е	2546	0.073	0.5	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15267 Method GC

Analyst Name Warner (AA-6r1), Ryan

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2356	0.095	-0.5	0.095	-0.5
Initial	D	2426	0.156	-0.7	0.156	-0.7

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: <u>9/27/2019</u> Participation Number <u>15315</u> Method <u>GC</u>

Analyst Name Waugaman (HS108), Ashley

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	В	2216	0.141	2.0	0.141	2.0
Initial	D	2446	0.161	1.0	0.160	0.7

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15316 Method GC

Analyst Name Waugaman (HS110), Ashley

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2162	0.087	0.5	0.087	0.5
Initial	Е	2505	0.074	1.0	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15231 Method GC

Analyst Name Wells (HS108), Crystal

## Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2305	0.098	1.0	0.098	1.0
Initial	E	2556	0.074	1.0	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15230 Method GC

Analyst Name Wells (HS110), Crystal

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2126	0.087	0.5	0.087	0.5
Initial	D	2456	0.160	0.7	0.160	0.7

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15040 Method GC

Analyst Name Zaney, Mary Elizabeth

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	С	2316	0.098	1.0	0.096	0.0
Initial	D	2416	0.159	0.3	0.159	0.3

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

 $Z\ score\ is\ your\ reported\ analytical\ result\ compared\ to\ the\ mean\ in\ terms\ of\ the\ standard\ deviation,\ calculated\ as\ (Result-Mean)/StdDev.$ 

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15272 Method GC

Analyst Name Zumaeta (AA-6r1), Edward

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2136	0.085	-0.5	0.085	-0.5
Initial	В	2205	0.137	0.0	0.136	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15208 Method GC

Analyst Name Huene (HS108), Lauren

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2143	0.086	0.0	0.086	0.0
Initial	В	2243	0.138	0.5	0.138	0.5
Initial	С	2323	0.098	1.0	0.099	1.5
Initial	D	2423	0.159	0.3	0.160	0.7
Initial	E	2534	0.073	0.5	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15197 Method GC

Analyst Name Kamandulis (AA-7r1), Linet

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2115	0.085	-0.5	0.085	-0.5
Initial	В	2255	0.136	-0.5	0.137	0.0
Initial	С	2355	0.095	-0.5	0.096	0.0
Initial	D	2435	0.158	0.0	0.158	0.0
Initial	E	2535	0.072	0.0	0.071	-0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
Е	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15323 Method GC

Analyst Name Leifheit, Nicole

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2114	0.086	0.0	0.086	0.0
Initial	В	2261	0.138	0.5	0.138	0.5
Initial	С	2334	0.096	0.0	0.097	0.5
Initial	D	2434	0.158	0.0	0.159	0.3
Initial	E	2554	0.073	0.5	0.073	0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15195 Method GC

Analyst Name Lewis (AA-7r1), Jennifer

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2135	0.085	-0.5	0.086	0.0
Initial	В	2235	0.136	-0.5	0.137	0.0
Initial	С	2335	0.097	0.5	0.097	0.5
Initial	D	2455	0.158	0.0	0.158	0.0
Initial	E	2555	0.072	0.0	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15064 Method GC

Analyst Name Mazek (AA-7r1), Kathleen

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2124	0.084	-1.0	0.085	-0.5
Initial	В	2214	0.136	-0.5	0.136	-0.5
Initial	С	2303	0.095	-0.5	0.096	0.0
Initial	D	2414	0.157	-0.3	0.157	-0.3
Initial	E	2503	0.071	-0.5	0.071	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15254 Method GC

Analyst Name Miller (AA-7r1), Mattheu

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2144	0.085	-0.5	0.085	-0.5
Initial	В	2244	0.136	-0.5	0.137	0.0
Initial	С	2344	0.095	-0.5	0.096	0.0
Initial	D	2424	0.157	-0.3	0.157	-0.3
Initial	E	2514	0.071	-0.5	0.071	-0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15211 Method GC

Analyst Name Montgomery (HS108), Lisa

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2134	0.086	0.0	0.086	0.0
Initial	В	2234	0.138	0.5	0.138	0.5
Initial	С	2302	0.096	0.0	0.096	0.0
Initial	D	2403	0.157	-0.3	0.158	0.0
Initial	E	2502	0.072	0.0	0.073	0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15324 Method GC

Analyst Name Mulder, Savanna

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2142	0.088	1.0	0.089	1.5
Initial	В	2241	0.142	2.5	0.143	3.0
Initial	С	2352	0.099	1.5	0.100	2.0
Initial	D	2442	0.164	2.0	0.166	2.7
Initial	E	2552	0.076	2.0	0.075	1.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15235 Method GC

Analyst Name Pacheco (AA-7r1), Jamie

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2104	0.086	0.0	0.086	0.0
Initial	В	2224	0.138	0.5	0.138	0.5
Initial	С	2324	0.096	0.0	0.097	0.5
Initial	D	2404	0.158	0.0	0.157	-0.3
Initial	E	2524	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15204 Method GC

Analyst Name Sanders (AA-7r1), Leeona

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2125	0.085	-0.5	0.086	0.0
Initial	В	2204	0.137	0.0	0.138	0.5
Initial	С	2315	0.096	0.0	0.097	0.5
Initial	D	2415	0.158	0.0	0.159	0.3
Initial	E	2515	0.073	0.5	0.073	0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15322 Method GC

Analyst Name Scharer, Courtney

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2123	0.085	-0.5	0.083	-1.5
Initial	В	2233	0.136	-0.5	0.135	-1.0
Initial	С	2313	0.095	-0.5	0.094	-1.0
Initial	D	2402	0.156	-0.7	0.155	-1.0
Initial	E	2543	0.071	-0.5	0.071	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15173 Method GC

Analyst Name Shaw (AA-7r1), Kristie

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2105	0.086	0.0	0.087	0.5
Initial	В	2215	0.138	0.5	0.138	0.5
Initial	С	2325	0.097	0.5	0.097	0.5
Initial	D	2425	0.158	0.0	0.158	0.0
Initial	E	2504	0.073	0.5	0.073	0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15051 Method GC

Analyst Name Warner (AA-7r1), Ryan

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2155	0.085	-0.5	0.085	-0.5
Initial	В	2245	0.136	-0.5	0.137	0.0
Initial	С	2304	0.096	0.0	0.096	0.0
Initial	D	2445	0.157	-0.3	0.157	-0.3
Initial	E	2545	0.071	-0.5	0.071	-0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15325 Method GC

Analyst Name Wright, Deborah

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2112	0.086	0.0	0.087	0.5
Initial	В	2202	0.140	1.5	0.140	1.5
Initial	С	2311	0.097	0.5	0.097	0.5
Initial	D	2421	0.159	0.3	0.159	0.3
Initial	E	2531	0.073	0.5	0.074	1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number Out of Rang I 1st Iter 2nd Iter	
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15206 Method GC

Analyst Name Zumaeta (AA-7r1), Edward

### Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviation and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts with Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2154	0.083	-1.5	0.084	-1.0
Initial	В	2254	0.136	-0.5	0.136	-0.5
Initial	С	2314	0.095	-0.5	0.095	-0.5
Initial	D	2444	0.156	-0.7	0.156	-0.7
Initial	E	2544	0.070	-1.0	0.071	-0.5

### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15002 Method GC

Your 19C2 proficiency test outcome is: Unsatisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2145	0.082	-2.0	0.082	-2.0
Initial	В	2236	0.132	-2.5	0.130	-3.5
Initial	С	2336	0.091	-2.5	0.091	-2.5
Initial	D	2405	0.151	-2.3	0.155	-1.0
Initial	E	2536	0.068	-2.0	0.068	-2.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15003 Method GC

Analyst Name Centre of Forensic Sciences-Toronto

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2116	0.085	-0.5	0.085	-0.5
Initial	В	2225	0.136	-0.5	0.137	0.0
Initial	С	2345	0.095	-0.5	0.095	-0.5
Initial	D	2436	0.156	-0.7	0.156	-0.7
Initial	E	2525	0.071	-0.5	0.070	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15005 Method GC

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported	#1 Z Score	Results #2 Reported	#2 Z Score
1651	ID	Number	(g/dL)	Score	(g/dL)	30016
Initial	Α	2103	0.087	0.5	0.088	1.0
Initial	В	2253	0.137	0.0	0.142	2.5
Initial	С	2343	0.095	-0.5	0.097	0.5
Initial	D	2454	0.163	1.7	0.167	3.0
Initial	E	2513	0.075	1.5	0.076	2.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15007 Method GC

Analyst Name Hennepin County Medical Center

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2153	0.084	-1.0	0.086	0.0
Initial	В	2223	0.135	-1.0	0.136	-0.5
Initial	С	2354	0.095	-0.5	0.095	-0.5
Initial	D	2413	0.157	-0.3	0.158	0.0
Initial	E	2523	0.072	0.0	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
А	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15009 Method GC

Analyst Name Office of Attorney General-North Dakota

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2152	0.083	-1.5	0.083	-1.5
Initial	В	2242	0.134	-1.5	0.134	-1.5
Initial	С	2353	0.093	-1.5	0.093	-1.5
Initial	D	2443	0.155	-1.0	0.156	-0.7
Initial	E	2533	0.071	-0.5	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15010 Method GC

Analyst Name Pennsylvania Department of Health

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2133	0.083	-1.5	0.084	-1.0
Initial	В	2252	0.133	-2.0	0.135	-1.0
Initial	С	2333	0.094	-1.0	0.094	-1.0
Initial	D	2453	0.157	-0.3	0.154	-1.3
Initial	E	2501	0.071	-0.5	0.072	0.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15019 Method GC

Analyst Name RCMP Forensic Laboratory -Ottawa

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2132	0.084	-1.0	0.084	-1.0
Initial	В	2213	0.135	-1.0	0.135	-1.0
Initial	С	2332	0.094	-1.0	0.095	-0.5
Initial	D	2441	0.156	-0.7	0.157	-0.3
Initial	E	2541	0.070	-1.0	0.069	-1.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15177 Method GC

Analyst Name RCMP Forensic Laboratory- Edmonton

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2141	0.085	-0.5	0.085	-0.5
Initial	В	2232	0.136	-0.5	0.137	0.0
Initial	С	2351	0.095	-0.5	0.096	0.0
Initial	D	2452	0.157	-0.3	0.157	-0.3
Initial	E	2551	0.070	-1.0	0.070	-1.0

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.

#### BLOOD ALCOHOL PROFICIENCY INITIAL TEST OUTCOME REPORT

Proficiency Cycle 19C2 Receive Results By: 9/27/2019 Participation Number 15180 Method GC

Analyst Name RCMP Forensic Laboratory- Edmonton (Kit#2)

Your 19C2 proficiency test outcome is: Satisfactory

#### **Evaluation Procedure**

<u>First iteration:</u> For each level, the qualified results reported by participating analysts and reference labs are pooled, the mean, standard deviatior and acceptable range are calculated using truncation, and results outside the acceptable range are excluded from the second iteration.

<u>Second iteration:</u> The mean, standard deviation and acceptable range are recalculated using truncation, every analyst's qualified results are compared to the recalculated acceptable range, and every analyst is assigned an outcome for the proficiency cycle. All analysts wit Results Outside Acceptable Range receive retest samples. The retest results are compared to the acceptable range established by the initial test and the retested analyst's outcome for the proficiency cycle is assigned based on the second comparison.

Type Test	Level ID	Vial Number	Results #1 Reported (g/dL)	#1 Z Score	Results #2 Reported (g/dL)	#2 Z Score
Initial	Α	2131	0.085	-0.5	0.085	-0.5
Initial	В	2231	0.136	-0.5	0.136	-0.5
Initial	С	2341	0.095	-0.5	0.095	-0.5
Initial	D	2451	0.156	-0.7	0.156	-0.7
Initial	E	2542	0.070	-1.0	0.071	-0.5

#### **Proficiency Cycle Statistics**

Level	Lower Limit	Upper Limit	Mean (Average)	Std Dev	N	Number ( 1st Iter	Out of Range 2nd Iter
Α	0.080	0.092	0.086	0.002	106	0	0
В	0.131	0.143	0.137	0.002	102	1	1
С	0.090	0.102	0.096	0.002	108	0	0
D	0.149	0.167	0.158	0.003	106	0	0
E	0.066	0.078	0.072	0.002	104	0	0

Notes:

Z score is your reported analytical result compared to the mean in terms of the standard deviation, calculated as (Result-Mean)/StdDev.

The parameter n is the number of results reported which are used to calculate the second iteration mean and standard deviation.