



AOF Test Check Program 2004 / 2005

Annual Summary of Results

Rounds 1 - 12

Test Weight

B – A variety of results were received over the 12 rounds. Round 2 saw the distance from the mean jump from 0.41 to 1.28. Rounds 3 and 4 decreased the gap from the mean, but it was rounds 5 and 6 that saw results achieve closest to the mean with differences of 0.11 and -0.12 . Round 8 produced the only outlier for lab B, a difference of 3.43. Round 9 and 10 saw improvements made from this result but the differences of 1.64 and 1.53 were still the highest for the rounds. Further improved results of 0.70 and -0.30 finished off the season for lab B.

D – Only two results were received for the year and they were submitted in rounds 8 and 9. The results produced differences of -1.78 and -1.66 and proved to be the lowest of the rounds.

E – Only one result exceeded a difference of 1.0 and that was in round 5 with a difference of 1.01. Six out of 11 results were under 0.5 with four of these not exceeding -0.5 . The most accurate result for the season for lab E and out of all participants produced a difference of 0.01 in round. An overall mean difference of 0.14 was achieved, the second closest out of all participants.

F – Only 1 out of 10 results produced a negative result and this was documented in round 10 with a difference of -0.27 and was also the best for that round. The highest difference seen for lab F was recorded in round 7 with a difference of 0.83 followed by 0.78 and 0.77 in rounds 2 and 3.

G – The first of three results submitted for the year occurred in Round 8 and proved to be not only the most accurate result for lab G but also the second most accurate for the year out of all participants. A difference of -0.07 was achieved followed by results producing differences of -1.36 and -0.97 in the 2 subsequent rounds.

H – The lowest result received for the year from lab H was in round 5 with a difference of -1.39 which proceeded differences of -0.22 and -0.58 in rounds 2 and 4. The results with the highest differences were submitted in rounds 11 and 12 of the program (0.90 and 0.70). Rounds 5 and 6 were the only two rounds where the results were the lowest for the rounds and other rounds either produced differences that were either shared by other participants or performed well with other participants.

I – The only positive difference recorded this year was in round 8 with a difference of 0.93. The surrounding rounds produced differences of -0.17 in round 7 and -0.96 in round 9. The lowest result received was -1.12 in round 2. Although results were for the majority low, lab I never recorded the lowest result with the difference recorded in round 7 the closest for that round.

J – Results were submitted for all 12 rounds and saw only rounds 3 and 10 record differences under 1.0. The result submitted in round 3 was the closest result to the mean with a difference of 0.27 and round 4 produced the greatest differences of 1.52.

K – Of the 11 results received, lab K only ventured from the negative side of the scale to the positive for rounds 8 and 9 with differences of 0.25 and 0.34 and coincidentally were the two best performing rounds for lab K. The lowest result received produced a difference of -1.71 in round 7 followed by -1.70 in round 12. Other rounds saw results with differences of -1.48 , -0.53 , -1.12 and -1.27 .

M – Round 1 saw lab M record a result with the biggest difference from the mean, a difference of -1.57 . Round 2 saw only a slight improvement from this result with a difference of -1.42 . The result submitted in round 3 saw the difference jump from one side of the scale to the other and closed in on the mean with a result that produced a difference of 0.87. The difference of -0.08 , submitted in round 4, proved to not only be the best result for that round but also one of the closest differences recorded for the year for Test Weight. After some slightly low differences recorded towards the end of the year, a difference of 0.10 was achieved in round 12 to finish off the season.

Impurities

A – During the first 8 rounds lab A continually produced close, accurate results to the likes of 0.06,-0.05, and 0.20. From the difference of -0.17 recorded in round 8, the difference from the mean widened to -0.71 and -0.77 but still performed well in comparison to other participants results. Differences of 0.38 and 0.44 were recorded in rounds 11 and 12, with round 12 being the highest for that round. Overall however, lab A proved to be one of the better performing labs for Impurities for this season. Well done.

C – Lab C is one of three participants to achieve a mean difference of 0.00 for Impurities, which occurred in round 1. The rounds which saw results drift furthest from the mean are rounds 3, 4, 9, and 10 with results ranging from 0.70, 0.40, to -0.41, and -0.37. Other differences of -0.04 -0.02 and 0.08 all contributed to lab C being one of the top performing laboratories for Impurities.

D – The highest result documented for the year for lab D was recorded in round 9 with a difference of 0.56 followed by 0.46 in round 2. A difference of 0.08 was the closest lab D achieved to the mean which was documented in round 7. No outliers were recorded for the year, with the 10 results received fitting in well with other participants.

E – Of the 12 results received all but one result produced a negative difference. The majority of differences kept under -0.29 but it was round 3 that the lowest difference for the year for lab E was recorded with a difference of -0.54. Round 6 saw Lab E record their closest result to the mean, making this lab one of three participants to record a difference of 0.00. Well done.

F – The season started off well for lab F with differences of -0.03 and -0.14 in rounds 1 and 2. The difference recorded in round 3 was the second lowest for the year for lab F with a difference of -0.60. The lowest result was submitted in round 10 (-0.77) and was the lowest non-excluded result out of all participants. Lab I also recorded this difference in round 10. Other differences of 0.00, 0.09,-0.02 see in rounds 4, 9, and 11 led lab F to an average mean difference of -0.27 and an absolute deviation of differences of 2.83 which compares well with other participants.

G – Round 9 saw lab G recorded the second highest result for the season out of all participants with a difference of 0.79. This result was also the highest for the round but wasn't excluded from the mean and standard deviation. Their second highest result was submitted in round 2 with a difference of 0.56. Other results proved to fair comparatively well with other participants.

H – Consistently low results were submitted for this season with 5 out of the 12 results being the lowest result for the round. The year started off poorly with the result submitted in round 1 being excluded from the mean and standard deviation. Their lowest result followed in round 2 with a difference of -0.74 but improved for the following rounds with differences of 0.30, -0.20, and -0.32. Sharing the same overall mean difference as lab I, a difference of -0.43, lab H generated the lowest and most differing mean difference and the highest absolute deviation of differences.

I – The best result for Lab I was received in round 1 and had a minimal difference to the mean of just 0.07. The succeeding rounds tended to waver further from the mean with differences like -0.45, -0.62, -0.81, and -0.87 which unfortunately was excluded from the mean and standard deviation in round 8. Fortunately this was the only outlier that Lab I recorded for the year. Including round 1, rounds 4, 7, and 12 recorded their closest results with differences of -0.20, -0.16, and -0.26. The overall mean difference generated was -0.43 and was equal to Lab H as the lowest and most differing mean difference.

J – A fairly accurate season for lab J. The season got off to good start with differences of just -0.03, -0.04 and -0.20. Of the 12 results received 6 results generated differences that were under +/- 0.1, 4 results with differences +/-0.4, and two results exceeding 0.6 which occurred in rounds 5 and 7 (0.68 and 0.73).

K – A slightly higher average mean difference and the third highest absolute deviation of differences seen at the end of the season but there are no real outliers to speak of. The highest result submitted was in round 10 and had a difference of 1.13 which was also the highest difference recorded all year from all participants but wasn't excluded from the mean and standard deviation. To contrast this, more accurate results with differences of 0.10, 0.19, 0.18 and 0.14 were received in rounds 3, 9, 11, and 12. Other results varied between 0.36, 0.40, and 0.55.

L – With all but one result exceeding 0.17 (0.45 in round 9) and only one result exceeding -0.27 (-0.37 in round 10) accurate consistent results were documented throughout the season. As a result, Lab L is one of the better performing participants for Impurities this season. Well done.

M – All season lab M submitted results that fitted in well with the boundaries created by participants and produced only one slightly high result. This result produced a difference of 0.73 in round 10 but wasn't excluded from the mean and standard deviation.

Oil - Rapid (Clean Seed Basis)

A – One of the best performing laboratories for Oil Rapid, with stable results being submitted for all 12 rounds. The year started off exceptionally with a mean difference of 0.00. Round 2 produced their lowest result, a difference of -0.57 but still compared well with other participants. It was rounds 6 and 10 that produced their highest results with differences of 0.68 and 0.66, again comparing well with other participants. Lab A also generated the lowest absolute deviation of differences for the year out of all participants (3.25) and the second closest overall mean difference of 0.12.

B – A varying year of results produced by lab B this season. However, differences formed in most rounds still compared well with other laboratories. Round 4 saw lab B produce their highest result for the year, a difference of 1.15 and it was in round 8 that the lowest difference was recorded, -1.63. Separated by their second absent round, rounds 9 and 11 both saw differences of 0.03 being submitted only to drop down again to -0.86.

C – There was slight variation seen in results submitted across the year, but results generally compared well with other participants and the mean. Rounds 6 and 8 produced the most differing results for lab C, with differences of -1.02, the lowest for the round, and -1.59.

D – A fairly variable year for lab D. For example, the first half of the season saw results ranging in differences from -0.20, 0.11 to -1.14 and -1.09. The second half of the season saw results still producing negative differences and it was in round 8 when the lowest difference for the year for Oil Rapid was recorded, a difference of -2.33. The average mean difference for the year is the second lowest of all participants, -0.71.

E – Results submitted by lab E made for a fluctuating year of results for lab E. The lowest result from the mean was recorded in round 1 with a difference of -1.37 and was excluded from the mean and standard deviation. Round 2 also saw lab E produce the lowest result for the round with a difference of -1.32. The closest result to the mean, a difference of 0.08, sits between two of the highest results for lab E, differences of 1.12 and 2.33. The latter being the highest difference for the season out of all participants. The remaining rounds saw the differences stick to the negative side of the scale, with a difference of -1.02 finishing of the season.

F – Lab F produced one of the better absolute deviations of differences seen at the end of the season than other participants. A difference of 0.03 was achieved in rounds 2 and 9, with the majority of results producing differences around -0.3 and -0.4. The biggest gap seen between any two rounds occurred between rounds 11 and 12 where the difference went for -0.27 to -0.96, the lowest for lab F.

G – Results varied in the first five rounds from -0.05 in round 1 to an outlier of -1.42 in round 5. Fortunately this was the lowest result submitted for the year and lab G went on to improve in the second half of the season and included differences of 0.00, 0.17 and 0.04 in the final three rounds. An average year of results.

H – The year started off well for lab H but it soon turned into a rather low performing season. From recording a mean difference of 0.00 in round 1, the mean difference dropped to -0.87 in round 2 then to a difference of -1.83 in round 3 which was omitted from the mean and standard deviation. This result was the lowest difference recorded for the year by lab H and by any other participant. Differences stayed below -1.0 for the following two rounds to then improve with results with differences of -0.22 and -0.42. The differences then proceeded to lower again, with the mean difference of -1.37 recorded in round 11 being omitted from the mean and standard deviation. The lowest and greatest differing overall mean difference and greatest deviation of differences was therefore generated.

I – The year started off averagely for lab I by producing results that reflected the mean by differences of 0.50, 0.53 to 0.17, 0.27, and 0.38. Rounds 6 to 8 saw lab I recorded some of their highest results for the year, the highest off which being a difference of 0.88. After an absence in round 10, round 11 saw their most accurate result for the year being achieved with a difference of 0.13 only to jump up to a difference of 1.44 in round 12, the biggest gap between two rounds for lab I.

J – The majority of results boarded differences of 1.0, with rounds 9, 10 and 12 exceeding this with differences of 1.13, 1.16, and 1.64. As a result, the highest mean difference for the year, 0.87, has been generated by lab J.

K – The majority of results compared well with other participants and the mean and although results did vary, only two of the eleven received stood out greater than others. These results were seen in rounds 8 and 12 with differences of 1.37 and 1.18. A fairly average year of results.

M – The year started off with lab M producing much higher results than other participants with differences of 1.19 and 1.13. The only other high result recorded for the year produced a difference of 1.98 and was the second highest received in round 8 and for the year. All other rounds saw more accurate results being achieved.

Oil - Solvent (Clean Seed Basis)

B – Rounds 8 and 10 were the only two rounds where the difference deviated greater than +/- 1.0. The difference of -1.49 recorded in round 8 was the greatest deviation from the mean recorded for the year. All other rounds compared relatively consistently with one another and other participants, with rounds 7, 11, and 12 producing the most accurate results with differences of 0.11 and 0.17.

C – The first seven rounds compared well with other participants, although round 2 produced the highest difference for the first half of the year with a difference of 0.60. The result submitted in round 7 was the most accurate result received for the year with a difference of 0.11 and was equal best for that round. Unfortunately Round 8 saw the difference dive down to -1.49 and then after a difference of 0.35 in the following round, a difference of 1.13 was recorded in round 10. The final two rounds produced accurate results with differences of 0.17.

E – The majority of rounds saw results produce differences that were either the highest or the lowest for each round. The greatest deviation from the mean was recorded in round 8 with a difference of 2.30. This was the highest result included in the mean and standard deviation out of all participants for the year. The lowest result submitted by lab E occurred in the following round with a difference of -1.19. A difference of -0.36 recorded in round 11 was the closest lab E was able to achieve to the mean.

F – Consistent results submitted for nine of the ten rounds with differences keeping within the boundaries of -0.25 and -0.69. Unfortunately round 12 saw the greatest outlier produced for the season for Oil Solvent with a difference of -3.63.

G – An excellent year of results submitted by lab G with results consistently achieving minimal differences to the mean. Being the best performing participant for the year for Oil Solvent, it's not surprising that the lowest deviation of differences and one of the best overall mean differences has been generated by lab G. Well done.

H – Consistently high results were submitted for the twelve rounds but only one result exceeded a difference of 1.0. A difference of 1.05 was recorded in round 9 and was the highest for that round. Accordingly, lab H has the highest overall mean difference and the second highest absolute deviation of differences.

I – Minimal differences were seen between results submitted for rounds 1 to 4, with the differences ranging from 0.52 – 0.79. The difference submitted in round 5 improved dramatically with a difference of 0.06, the closest difference to the mean until round 11 where a difference of -0.03 was achieved. Greater variation in differences were seen in the latter half of the season with differences ranging from 0.55, 1.12 and -0.03 (as mentioned above). Unfortunately the season ended poorly for lab I after the highest difference for the year out off all participants was recorded and ultimately omitted from the mean and standard deviation, a difference of 2.34.

J – Results fluctuated throughout the year but fortunately compared well with other participants each round. The season started off exceptionally with a mean difference of 0.01 recorded in round 1. Other results recorded for the year ranged from -0.80 (recorded in round 9) to 0.57 (recorded in round 11).

K – Of the seven results received for the year the difference of -0.18 recorded in round 3 was the closest difference to the mean recorded by lab K. The subsequent difference recorded (round 6) differed greatly, producing the lowest difference for that round, a difference of -1.26. Fortunately, after an absence from the proceeding two rounds, the final four results submitted demonstrated greater accuracy, although slightly lower than other laboratories.

L – As is the case for lab K, low results were submitted for the majority of rounds. The only exception to this is in round 9 where a difference of 0.35 was recorded. All other results varied between -0.94 to -0.19. Although results were lower they generally compared well with other laboratories. The only result that really stood out was the difference of -1.28 recorded in round 12.

Oil - SFE Extraction

B – Results were received for the first five rounds only with the first three rounds mirroring the differences of lab J (0.30, 0.65, and 0.26). Round 2 produced the highest difference for lab B, a difference of 0.65 and round 3 the closest difference to the mean.

J – All results, with the exception of two, produced negative differences. These two occurred in round 6, when no other participants submitted a result and in round 7 where a difference of 0.27 was recorded. Results were submitted for 8 of the 12 rounds, the most results received by one lab, to produce an overall mean difference of -0.29 and an absolute deviation of differences of -2.89.

K – Four results were submitted this year with differences of -0.48, 0.33, -0.26, and 0.59. An overall mean difference of 0.04 and a value of 1.67 for the absolute deviation of differences were created from these results.

Moisture - Oven

B – Rounds 4, 6, 7, and 8 produced the highest results for lab B with differences of 0.30, 0.36, 0.23, and 0.54. These results were either the highest or one of the highest results for each round. Results received for the 8 other rounds demonstrated greater accuracy and saw minimal differences to the mean.

C – Results received for rounds 1 and 2 were the lowest and highest results for the rounds, although only differences of -0.22 and 0.24 were recorded. Rounds 3, 4 and 5 generated close and accurate results with differences of -0.06, 0.07, and 0.08 with the only other similar difference being seen in round 11, a difference of 0.05. Round 6 saw the only outlier recorded by lab C for the year after a result that produced a difference of -0.47. Round 8 produced the second highest result for that round, a difference of 0.39 and the remaining rounds reflected the differences recorded at the beginning of the year.

D – Unfortunately lab D was one of the poorest performers for Oven Moisture this season, with 5 of the 10 results received being omitted from the mean and standard deviation. Round 1 produced the first outlier for the year with a difference of -1.33 being submitted. Round 2 improved dramatically with a difference of -0.09 but the following three rounds again deviated further from the mean and were excluded. Although the differences recorded were an improvement from round 1 with differences of -0.78, 0.63, and -0.62, the differences compared poorly with the other results received for those rounds. Rounds 7 through to 9 improved further with differences of -0.44, -0.27 and 0.34 but were still either lower or higher than the majority of results received by other laboratories. Round 9 produced the fifth outlier for the season with a difference of -1.39. No results were received for rounds 10 and 11 but the final round saw an improved result but still the lowest difference for that round with a difference of -0.31.

E – The majority of results received created differences above 0.20 with one outlier being documented which was in round 3 after a difference of 0.45 was recorded. The result producing the lowest difference was in round 8 with a difference of -0.37 and was the only round to venture on the negative side of the scale. Round 11 saw the closest result to the mean being achieved, with a difference of 0.09 followed by 0.13 and 0.12 in rounds 4 and 9.

F – The year got off to a great start for lab F after submitting results that created differences of -0.08, -0.09, 0.02, -0.17, and 0.06 for the first six rounds. A difference of 0.33 was submitted in round 7, making this result the highest for the round and for the year for lab F. The only outlier recorded for the year occurred in round 11 after a difference of -0.56 was documented. Fortunately the surrounding rounds imitated the more accurate results received during the year.

G – An exceptional start to the season for lab G after the first 6 rounds produced two results with differences of -0.01, and one round each with a differences of 0.01, 0.06, 0.00 and -0.09. After an absent round 7 differences achieved were slightly higher than the previous 6 rounds but still accurate. After recording differences of 0.12, -0.16, -0.14 in rounds 8, 9, and 10, the greatest differing result for lab G was submitted in round 11, a difference of -0.39. The final round saw a result being submitted that was in form with the majority of results received during the year.

H – One of the better laboratories for Moisture Oven this year, the highest result received produced a difference of 0.23 in round 7. All other results were within 0.17 to -0.07 with the closest result to the mean producing a difference of 0.06 and -0.06 in rounds 6 and 11. Well done.

I – An excellent year of results were submitted by lab I. The results that deviated furthest from the mean produced differences of 0.18 (round 5) and -0.16 (round 9). The closest difference to the mean was achieved in round 2 with a difference of 0.01 with similar differences being recorded in the previous and subsequent rounds. As a result, the lowest absolute deviation of differences was achieved as well as one of the lowest overall mean differences. Well done.

J – Lab J stayed slightly further from the mean than other participants this season. The first 10 rounds produced differences that predominately ranged between -0.17 to -0.29. Round 1 recorded the closest result to the mean in that period with a difference of -0.13. The result recorded for round 11 produced the closest result to the mean for the year for lab J with a difference of -0.06. The final round saw the highest result for the year for lab J and for the round with a difference of 0.29.

K – A good year of results for lab K with results ranging from 0.02 to -0.19 for 10 of the 11 results received. The only odd result received was in round 8 after a difference of -0.46 was produced. Well done.

L – All results recorded achieved minimal deviation from the mean and compared well with other submitted results. Rounds 7 and 10 produced the greatest differences from the mean with differences of -0.23 and 0.27 and the closest result to the mean was achieved in round 12 with a difference of -0.01. Well done.

M – Results received during the year produced a range of differences. An outlier of -0.81 recorded in round 2 was surrounded by differences of 0.12, and 0.00. The second outlier recorded for the year was in round 10 and was also surrounded by results that better reflected the mean, differences of -0.14 and 0.06. The result submitted in round 6 produced the second mean difference of 0.00 for the year, followed by a difference of -0.09. Unfortunately round 8 didn't see this trend continue after a difference of -0.83 was recorded. An accurate result with a difference of -0.08 was submitted in round 12 to finish off the year.

Moisture – Rapid

A – Results fluctuated during the year, ranging from differences of -0.18 in round 6 to 0.84 in round 8. Fortunately the majority of results were closer to the mean than in round 8. The range in results saw the second highest overall deviation of differences being recorded, 3.45, and an overall mean difference of 0.25.

B – A year of continual stable results with 10 of the 11 differences not exceeding +/- 0.25. Round 8 produced the highest result for lab B, submitting a result with a difference of 0.54 but the final 4 results demonstrated greater accuracy. Lab B was also the only participant to achieve a mean difference of 0.00 which was recorded in round 1. Well done.

E – Rounds 1 and 2 saw the highest differences for each round being recorded (0.36 and 0.45) followed by improved differences of just 0.04 and -0.05 in rounds 3 and 4. Rounds 6, 7, and 8 again drifted further from the mean but the final four rounds saw differences that reflected the mean well.

F – The majority of differences recorded stayed within +/-0.3 with the closest difference to the mean, -0.03, being recorded in round 10. The only two differences to exceed -0.3 occurred in rounds 4 and 12 with differences of -0.43 and -0.54.

H – The two results that created the greatest and highest differences to the mean were submitted in rounds 8 and 11, 0.54 and 0.44. The first 4 rounds demonstrated the greatest accuracy for the year with differences ranging between -0.03 and 0.15. Rounds 5 to 11 saw slightly higher differences to the mean but still compared well with other participants. The final result received reflected results seen at the beginning of the year.

I – Lab I recorded an excellent year of results with results displaying minimal differences to the mean round after round. Lab I also achieved the lowest deviation in differences of all labs and produced an exceptional overall average mean difference of 0.00, making lab I the only lab to accomplish this for any analysis. Well done.

J – The season started off with lab J recording their lowest results for the year with differences of -0.20 and -0.25. Round 4 saw their highest result being submitted, with a difference of 0.47. Rounds 5 through to 12 saw accurate results being submitted to produce an overall mean difference of 0.03.

K – Round 2 was the only round where lab K was on the positive side of the scale and also recorded their most accurate result for the year with a difference of 0.11. Results submitted usually produced differences that sat below other participants' results, with the biggest differences being seen in round 12, a difference of -0.60. The lowest overall mean difference and highest deviation of differences also went to lab K.

M – Rounds 6 to 10 saw lab M submit some of their lowest results for the year with results hovering between -0.33 and -0.37. Round 3 produced their second lowest result with a difference of -0.39. Round 8 saw the result submitted drift the furthest from the mean then any other participant for Moisture Rapid with a difference of -0.86. All other results were fine and compared well with other laboratories.

Oleic

B – A fairly good year with results comparing well with other participants. Round 8 and 9 produced the lowest results and the greatest gap seen between a result and the mean for lab B, differences of -0.91 and -0.89. The closest result to the mean saw a difference of 0.04 in round 10 followed by -0.07 and 0.08 in rounds 1 and 2.

C – The biggest difference seen this year was a difference of -1.46 in round 7 and was also the lowest for the round. The second lowest result proceeded in the following round, with a difference of -0.85. The closest result to the mean was submitted in round 1 and produced a difference of -0.12. With the exception of rounds 7 and 8 all results compared well to other participants.

D – Results fluctuated this year with the first and last rounds producing outliers of -1.38 and 4.54. Round 2 produced a low result with a difference of -1.60 but wasn't excluded from the mean and standard deviation. The difference seen in round 3 was a marked improvement (a difference of -0.14) and results continued to improve, producing close results until round 9 where the difference increased to 1.10.

F – A poor start to the year with the first three rounds producing outliers. Differences recorded were 0.63, -15.62, and -1.13. Rounds 4 to 12 saw the results improve and compare better with other participants. The closest result to the mean was recorded in the final round, a difference of -0.06 followed by 0.14 in round 11.

G – Two obscure results were recorded for the year. The first was seen in round 3 with a difference of 3.17 and the second with a difference of 1.86 in round 4. Both of these results were omitted from the mean and standard deviation. The majority of results were higher than other participants with the most accurate results being recorded in rounds 1 and 11 with differences of 0.13 and 0.20. The overall mean difference is also higher than other participants, with a difference of 0.99.

H – The first three rounds saw lab H get off to a good start with differences of 0.03, 0.18, and -0.13. Round 4 however produced the first outlier for lab H with a difference of -4.24. The next two rounds saw improvements made with differences of -0.45 and -0.30 but round 7 saw the difference jump up this time to 4.06 and was excluded from the mean and standard deviation. The difference improved to 0.79 in round 8 but it was from rounds 9 – 12 where lab H began to perform well. The closest result to the mean was 0.01 in round 9 and 0.03 in round 1 and recorded a difference of -0.16 to finish of the season.

L – Results received throughout the year continued to reflect the mean well. Several rounds saw Lab L nearly achieve a mean difference of 0.00. The closest to the mean achieved was in round 9 with a difference of 0.01. Well done. Round 6 and 7 produced two of their highest results with differences of 0.50 and 0.76 but it was the difference of 1.07 that was the highest for the year which was documented in round 12. The second closest overall mean difference was also achieved, a difference of 0.03.

Linoleic

B – The highest result recorded for the year was in round 8 with a difference of 1.56 which was the highest result for the year that wasn't excluded from the mean. All other results stayed under 0.45 with round 2 producing the closest difference of just 0.03. The difference of 0.37 recorded in round 9 sat just above all other results but the final three rounds saw the difference diminish further and compared well with other participants.

C – After recording two close and accurate results for rounds 1 and 2, the next result received was in round 5 and the result contrasted the previous two results. A difference of -0.84 was recorded and was omitted from the mean and standard deviation. The second outlier that was recorded by lab C and omitted was in round 10 after a difference of -0.37 was produced compared to other participant differences of -0.04, 0.06, and -0.14. The highest result received was in round 11 with a difference of 0.65 followed by 0.48 in round 8. The two closest results to the mean were seen in rounds 1 and 9 with differences of -0.05 and -0.08. Overall however, the average mean difference produced a difference of just -0.03

D – An overall mean difference of -0.28 (the second lowest) was generated after results submitted had varying differences of 0.67 in round 4 to -1.10 in round 8. The result with the biggest difference was recorded in round 12. The difference of -3.02, the lowest out of all participants for the year, was omitted from the mean and standard deviation. To contrast this, the closest result to the mean was recorded in round 6 with a difference of -0.14 followed by 0.19 in round 5.

F – Rounds 2 and 3 indicated that lab F could've been heading towards a shaky season after submitting results with the two highest differences for the year, 3.43 in round 2 which was omitted from the mean and standard deviation and a difference of 1.21 in round 3. However, of the 7 results that were received for the rest of the season, all results compared well to the mean.

G – Performance was good for the majority of the season. The first 4 rounds saw the differences drifting the furthest from the mean, with round 3 recording the lowest result for lab G with a difference of -1.19. Fortunately this wasn't the beginning of a trend with results proving to be more accurate from rounds 5 to 11. The difference jumped back up slightly to 0.34 in round 12 seeing 0.06 difference between this result and the second closest (submitted by lab L).

H – The first 5 rounds saw results produce differences varying between -0.05 and -0.39. Rounds 6, 7, and 8 saw the lowest results for the year for lab H, with the difference of -1.37 submitted in round 7 being omitted from the mean and standard deviation. Rounds 9 through to 12 produced results between -0.04 and -0.30 giving lab H an overall mean difference of -0.32.

L – Excellent results received for all 12 rounds. The mean differences of -0.03, -0.04, -0.08, and -0.09 were the closest seen during the year (rounds 9, 10, 1, and 3). The biggest distances from the mean were 0.45 in round 6 and -0.44 in round 8. The overall mean difference and absolute deviation of differences produced were the closest out of all participants.

Free Fatty Acid

B – The first two results, received in rounds 1 and 2, generated differences of -0.18 and -0.15 and although they were the lowest for each round, compared well with other participants. The next result received wasn't until round 5 where the closest difference to the mean was recorded for lab B, a difference of -0.06. Round 7 saw the difference take the lowest position on the graph for the round and the season with a difference of -0.34. Generally, results compared well with others and there were no outliers.

C – Results reflected the mean accurately during the year, with a mean difference of 0.00 achieved in round 9. Coincidentally, the highest and lowest differences for Lab C were recorded in the surrounding rounds. A difference of -0.27 was recorded in round 8 (also the lowest for the round) and a difference of 0.33 (the highest for the round) in round 10. Lab C achieved one of the closest average mean differences out of all laboratories, with a difference of -0.03. Well done.

D – An excellent year of results for lab D with the majority of differences saying within +/-1.0. The closest overall average mean difference and absolute deviation of differences was also generated by lab D. Well done.

E – Lab E was the only participant to record two outliers this year for Free Fatty Acid with differences of 0.84 and 0.46 in rounds 5 and 6. The surrounding rounds, rounds 4 and 7 produced much more accurate results with differences of -0.04 and 0.01. Results throughout the year generally sat a bit higher than other participants, seeing an overall higher mean difference and absolute deviation of differences.

F – Lab F produce three mean differences of 0.00 in rounds 6, 10 and 12 and is the only lab to do so. Well done. The difference recorded in round 7 was higher than other laboratories and was the second highest recorded for the year with a difference of 0.34. The highest differing result also went to lab F, with a difference of 0.74 in round 11 and was eliminated from the mean and standard deviation.

G – Stable results recorded all year and reflected other participant's results well. The highest result received for the year was submitted in round 8 where a difference of 0.25 was recorded. All other results stayed well under 0.2.

H – Often submitting either the lowest or one of the lowest results for each round, results ranged from differences of -0.30 in round 7 to -0.02 in round 9. The difference of -0.27 recorded in round 11 was unfortunately omitted from the mean and standard deviation.

L – Consistently low accurate results were received for the 12 rounds. The closest results to the mean were seen in rounds 2, 5, and 11 with differences of 0.02, -0.01 and -0.02. Other differences recorded in other rounds were not far from these differences. The only odd result received by lab L was submitted in round 7 where a difference of 0.31 was recorded. A good year of results, well done.