

# IAEA-TERC-2022-01 World Wide Open Proficiency Test Exercise, Pie-charts, S-Shapes and Reported Results with Scores

Terrestrial Environmental Radiochemistry Laboratory, International Atomic Energy Agency

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## Abstract

This report describes the evaluation method for the Proficiency Test Exercise on the determination of anthropogenic and natural radionuclides in water, soil (gamma-ray spectrum analysis exercise), and simulated contaminated surface samples IAEA-TERC-2022-01. The evaluation is performed by the proficiency test team of the Terrestrial Environmental Radiochemistry Laboratory of the IAEA using their standard approach.

## 1 Introduction

The following figures show the results (displayed in pie charts, characteristic S-shape graphs and tables) for the World Wide Open Proficiency Test. In the S-shape graphs, the vertical axis displays the activity in [Bq/kg] and the horizontal axis shows the labcodes for the participating laboratories. The range on the vertical axis is limited to  $\pm 2 \times$  Maximum acceptable relative bias (MARB). The red line is the target value for the exercise, whereas the green lines are the assigned uncertainty for each analyte. The results are grouped by samples, then analytes.

*Disclaimer: This report has been generated automatically to provide information on-line to the participants. A more detailed evaluation will be published in the final report. If you find that any information provided in this report might be incorrect please contact us as soon as possible.*

### 1.1 Evaluation criteria

The data is evaluated according to the following steps:

1. The relative bias between the reported and the target value (the best estimation of the true value) is expressed by the following equation:

$$Bias_{relative} = \frac{Value_{reported} - Value_{target}}{Value_{target}} * 100\%$$

2. The relative bias is compared to the Maximum Acceptable Relative Bias (MARB) which has been determined for each analyte, considering the radioanalytical methods, the level of radioactivity and the complexity of the analysis.

If the  $|Bias_{relative}| \leq MARB$ , the result will be "Accepted" for accuracy.

3. Based on fit-for-purpose and good laboratory practice principles, the expanded relative combined uncertainty should cover the relative bias:

$$P = \sqrt{\left(\frac{u_{target}}{A_{target}}\right)^2 + \left(\frac{u_{reported}}{A_{reported}}\right)^2} * 100$$

$$|Bias_{relative}| \leq k * P$$

where k is the coverage factor, for the 99% confidential level,  $k = 2.58$ .

4. If the result is between the  $\pm MARB$  values, but it is not overlapping the target value within the uncertainty, this equation is used to decide if they are significantly different or not.

5. The P value is compared to the MARB also. If both the:

$$P \leq MARB$$

and

$$|Bias_{relative}| \leq k * P$$

are fulfilled, the reported results will be "Accepted" for precision. The result will be assigned "Not Accepted" for precision if either conditions are not fulfilled.

6. The final score is assigned according to the detailed evaluation described above. The possible scores are listed below:

- "Accepted" when both, accuracy and precision achieved "Accepted" status
- "Not Accepted" when the accuracy is "Not Accepted"
- "Warning" when accuracy is "Accepted" but the precision is "Not Accepted"

7. As additional information, a Z-Score parameter is shown in the evaluation tables that is calculated by using the robust standard deviation described in [2]:

$$z = \left| \frac{Value_{reported} - Value_{target}}{robust\ sd} \right|$$

8. If the analyte is included in the proficiency test evaluation scheme, the stated target value is used to calculate the Z-Score. For those analytes, which are subject of an intercomparison only, the robust mean of the values reported is used instead.

9. For analytes evaluated by intercomparison, the final scores (Z-Score evaluation) are assigned as follows:

- "Accepted" for Z-Scores less than 2
- "Not Accepted" Z-Scores above 3
- "Warning" for Z-Scores less than 3 and larger than 2

## 2 Data Evaluation

A total of 287 laboratories from 70 different countries successfully reported data in the IAEA-TERC-2022-01 proficiency test exercise.

For each of the analytes evaluated, the target value, target uncertainty and the MARB are listed. A pie chart showing the distribution of accepted, warning, not acceptable and not reported results, the s-shape graph, and a detailed table listing all evaluation results for the analyte (sorted by the laboratory code) are provided. The data points are coloured in blue, yellow and red, corresponding to a result of "Accepted", "Warning", and "Not Accepted", respectively.

For analytes evaluated by intercomparison (IC) parameters, the target value table lists the robust mean, robust standard deviation (SD) and the number of results evaluated (N). All results are combined from the World Wide Open and ALMERA exercises for the purposes of calculating the robust statistics. A detailed table listing all evaluation results for the analyte (sorted by the laboratory code) are provided, where the Z-Scores are calculated using the robust mean as the  $Value_{target}$  in the equation listed in 1.1 Evaluation criteria, point 7.

## 3 Proficiency Test Parameters

### Reported Results for Co-60 Determination in Sample 1

TABLE 1. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 17.7  |
| UNC, Bq/kg          | 1.1   |
| MARB, %             | 20    |

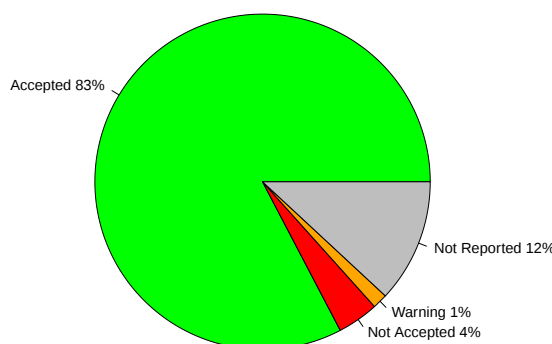


FIGURE 1. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

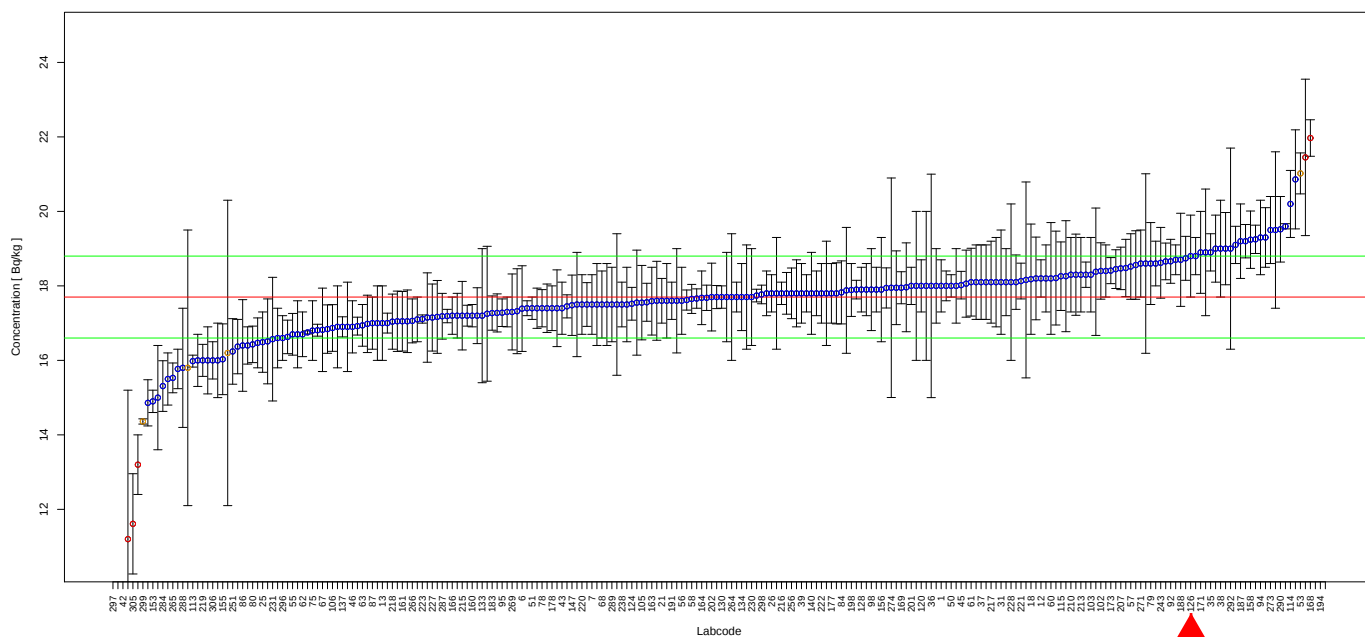


FIGURE 2. Reported results and evaluation parameters for Co-60. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 2. Evaluation Results for Co-60 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 18         | 0.7       | 1.69      | 7.33   | A        | A         | A           | 0.27    |
| 4       | 16.92      | 0.24      | -4.41     | 6.37   | A        | A         | A           | 0.71    |
| 5       | 15.77      | 0.53      | -10.90    | 7.07   | A        | A         | A           | 1.75    |
| 6       | 17.39      | 1.15      | -1.75     | 9.07   | A        | A         | A           | 0.28    |
| 7       | 17.5       | 0.8       | -1.13     | 7.71   | A        | A         | A           | 0.18    |
| 8       | 17.7       | 1.4       | 0.00      | 10.06  | A        | A         | A           | 0.00    |
| 9       | 26.88      | 0.55      | 51.86     | 6.54   | N        | N         | N           | 8.35    |
| 11      | 17.5       | 1.1       | -1.13     | 8.84   | A        | A         | A           | 0.18    |
| 12      | 18.2       | 0.5       | 2.82      | 6.79   | A        | A         | A           | 0.45    |
| 13      | 17         | 1         | -3.95     | 8.56   | A        | A         | A           | 0.64    |
| 14      | 18.06      | 0.90      | 2.03      | 7.97   | A        | A         | A           | 0.33    |
| 16      | 16.37      | 0.73      | -7.51     | 7.65   | A        | A         | A           | 1.21    |
| 17      | 18.0       | 2.0       | 1.69      | 12.73  | A        | A         | A           | 0.27    |
| 18      | 18.18      | 1.48      | 2.71      | 10.24  | A        | A         | A           | 0.44    |
| 19      | 17.88      | 1.69      | 1.02      | 11.31  | A        | A         | A           | 0.16    |
| 20      | 16         | 1         | -9.60     | 8.81   | A        | A         | A           | 1.55    |
| 21      | 17.6       | 0.6       | -0.56     | 7.09   | A        | A         | A           | 0.09    |
| 22      | 17.001     | 0.267     | -3.95     | 6.41   | A        | A         | A           | 0.64    |
| 23      | 17.56      | 0.51      | -0.79     | 6.86   | A        | A         | A           | 0.13    |
| 24      | 17.5       | 1.0       | -1.13     | 8.44   | A        | A         | A           | 0.18    |
| 25      | 16.49      | 0.81      | -6.84     | 7.92   | A        | A         | A           | 1.10    |
| 26      | 17.8       | 0.5       | 0.56      | 6.82   | A        | A         | A           | 0.09    |
| 28      | 17.8       | 0.9       | 0.56      | 8.01   | A        | A         | A           | 0.09    |
| 29      | 19.25      | 0.38      | 8.76      | 6.52   | A        | A         | A           | 1.41    |
| 31      | 18.1       | 1.4       | 2.26      | 9.92   | A        | A         | A           | 0.36    |
| 32      | 18.7       | 0.4       | 5.65      | 6.57   | A        | A         | A           | 0.91    |
| 33      | 16.84      | 0.65      | -4.86     | 7.32   | A        | A         | A           | 0.78    |
| 34      | 17.40      | 1.03      | -1.69     | 8.58   | A        | A         | A           | 0.27    |
| 35      | 18.9       | 0.5       | 6.78      | 6.75   | A        | A         | A           | 1.09    |
| 36      | 18         | 3         | 1.69      | 17.79  | A        | A         | A           | 0.27    |

TABLE 2. Evaluation Results for Co-60 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 37      | 18.1       | 1.0       | 2.26      | 8.32   | A        | A         | A           | 0.36    |
| 38      | 19         | 1.3       | 7.34      | 9.24   | A        | A         | A           | 1.18    |
| 39      | 17.8       | 0.8       | 0.56      | 7.67   | A        | A         | A           | 0.09    |
| 40      | 17.4       | 0.2       | -1.69     | 6.32   | A        | A         | A           | 0.27    |
| 41      | 17.6       | 1.06      | -0.56     | 8.65   | A        | A         | A           | 0.09    |
| 42      | 4.77       | 0.18      | -73.05    | 7.27   | N        | N         | N           | 11.75   |
| 43      | 17.4       | 0.7       | -1.69     | 7.40   | A        | A         | A           | 0.27    |
| 45      | 18.02      | 0.37      | 1.81      | 6.55   | A        | A         | A           | 0.29    |
| 46      | 16.9       | 0.7       | -4.52     | 7.47   | A        | A         | A           | 0.73    |
| 47      | 19.5       | 2.1       | 10.17     | 12.43  | A        | A         | A           | 1.64    |
| 49      | 18.6       | 0.6       | 5.08      | 7.00   | A        | A         | A           | 0.82    |
| 50      | 18.0       | 0.3       | 1.69      | 6.43   | A        | A         | A           | 0.27    |
| 51      | 17.4       | 0.3       | -1.69     | 6.45   | A        | A         | A           | 0.27    |
| 52      | 16.51      | 1.14      | -6.72     | 9.29   | A        | A         | A           | 1.08    |
| 53      | 21.02      | 0.55      | 18.76     | 6.74   | A        | N         | W           | 3.02    |
| 55      | 16.7       | 0.56      | -5.65     | 7.06   | A        | A         | A           | 0.91    |
| 56      | 17.6       | 0.9       | -0.56     | 8.05   | A        | A         | A           | 0.09    |
| 57      | 18.52      | 0.88      | 4.63      | 7.82   | A        | A         | A           | 0.75    |
| 58      | 17.65      | 0.39      | -0.28     | 6.60   | A        | A         | A           | 0.05    |
| 59      | 17.8       | 0.6       | 0.56      | 7.07   | A        | A         | A           | 0.09    |
| 60      | 18.2       | 1.5       | 2.82      | 10.32  | A        | A         | A           | 0.45    |
| 61      | 18.1       | 0.91      | 2.26      | 7.99   | A        | A         | A           | 0.36    |
| 62      | 16.7       | 0.6       | -5.65     | 7.18   | A        | A         | A           | 0.91    |
| 63      | 16.94      | 0.56      | -4.29     | 7.04   | A        | A         | A           | 0.69    |
| 64      | 18.1       | 1         | 2.26      | 8.32   | A        | A         | A           | 0.36    |
| 67      | 16.82      | 1.12      | -4.97     | 9.11   | A        | A         | A           | 0.80    |
| 68      | 17.5       | 0.9       | -1.13     | 8.07   | A        | A         | A           | 0.18    |
| 69      | 16.81      | 0.16      | -5.03     | 6.29   | A        | A         | A           | 0.81    |
| 70      | 17.8       | 0.5       | 0.56      | 6.82   | A        | A         | A           | 0.09    |
| 71      | 16.63      | 0.45      | -6.05     | 6.78   | A        | A         | A           | 0.97    |
| 72      | 17         | 1         | -3.95     | 8.56   | A        | A         | A           | 0.64    |
| 74      | 17.95      | 0.99      | 1.41      | 8.31   | A        | A         | A           | 0.23    |
| 75      | 16.8       | 0.8       | -5.08     | 7.83   | A        | A         | A           | 0.82    |
| 76      | 17.8       | 0.60      | 0.56      | 7.07   | A        | A         | A           | 0.09    |
| 77      | 18.2       | 0.900     | 2.82      | 7.94   | A        | A         | A           | 0.45    |
| 78      | 17.4       | 0.5       | -1.69     | 6.85   | A        | A         | A           | 0.27    |
| 79      | 18.6       | 1.1       | 5.08      | 8.58   | A        | A         | A           | 0.82    |
| 80      | 16.43      | 0.49      | -7.18     | 6.89   | A        | A         | A           | 1.15    |
| 81      | 15.0       | 1.4       | -15.25    | 11.21  | A        | A         | A           | 2.45    |
| 83      | 16.98      | 0.77      | -4.07     | 7.69   | A        | A         | A           | 0.65    |
| 84      | 17.825     | 0.846     | 0.71      | 7.82   | A        | A         | A           | 0.11    |
| 86      | 16.4       | 1.23      | -7.34     | 9.74   | A        | A         | A           | 1.18    |
| 87      | 17         | 0.7       | -3.95     | 7.46   | A        | A         | A           | 0.64    |
| 88      | 19.3       | 0.8       | 9.04      | 7.47   | A        | A         | A           | 1.45    |
| 89      | 17.7       | 1.2       | 0.00      | 9.20   | A        | A         | A           | 0.00    |
| 90      | 17.4       | 0.54      | -1.69     | 6.95   | A        | A         | A           | 0.27    |
| 91      | 16.9       | 1.2       | -4.52     | 9.44   | A        | A         | A           | 0.73    |
| 92      | 18.66      | 0.59      | 5.42      | 6.97   | A        | A         | A           | 0.87    |
| 93      | 17.7       | 0.31      | 0.00      | 6.46   | A        | A         | A           | 0.00    |
| 94      | 19.3       | 1.0       | 9.04      | 8.09   | A        | A         | A           | 1.45    |
| 95      | 17.28      | 0.37      | -2.37     | 6.57   | A        | A         | A           | 0.38    |
| 96      | 17.45      | 0.31      | -1.41     | 6.46   | A        | A         | A           | 0.23    |
| 97      | 16.47      | 0.67      | -6.95     | 7.43   | A        | A         | A           | 1.12    |
| 98      | 17.9       | 1.1       | 1.13      | 8.74   | A        | A         | A           | 0.18    |

TABLE 2. Evaluation Results for Co-60 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 101     | 17.8       | 1.5       | 0.56      | 10.47  | A        | A         | A           | 0.09    |
| 102     | 18.4       | 0.757     | 3.95      | 7.45   | A        | A         | A           | 0.64    |
| 103     | 18.3       | 1.0       | 3.39      | 8.28   | A        | A         | A           | 0.55    |
| 105     | 17.55      | 0.999     | -0.85     | 8.43   | A        | A         | A           | 0.14    |
| 106     | 16.87      | 0.627     | -4.69     | 7.24   | A        | A         | A           | 0.75    |
| 107     | 17.8       | 0.56      | 0.56      | 6.97   | A        | A         | A           | 0.09    |
| 109     | 18.40      | 0.70      | 3.95      | 7.29   | A        | A         | A           | 0.64    |
| 110     | 18.3       | 1.09      | 3.39      | 8.61   | A        | A         | A           | 0.55    |
| 111     | 18.2       | 1.11      | 2.82      | 8.71   | A        | A         | A           | 0.45    |
| 113     | 15.98      | 0.16      | -9.72     | 6.29   | A        | A         | A           | 1.56    |
| 114     | 20.2       | 0.9       | 14.12     | 7.65   | A        | A         | A           | 2.27    |
| 115     | 18.26      | 0.92      | 3.16      | 8.00   | A        | A         | A           | 0.51    |
| 117     | 17.1       | 0.6       | -3.39     | 7.14   | A        | A         | A           | 0.55    |
| 118     | 18         | 1         | 1.69      | 8.34   | A        | A         | A           | 0.27    |
| 119     | 17.252     | 1.811     | -2.53     | 12.20  | A        | A         | A           | 0.41    |
| 120     | 18.0       | 0.7       | 1.69      | 7.33   | A        | A         | A           | 0.27    |
| 121     | 17.945     | 0.539     | 1.38      | 6.90   | A        | A         | A           | 0.22    |
| 123     | 18.1       | 1.0       | 2.26      | 8.32   | A        | A         | A           | 0.36    |
| 124     | 17.52      | 0.44      | -1.02     | 6.70   | A        | A         | A           | 0.16    |
| 125     | 17.15      | 1.20      | -3.11     | 9.36   | A        | A         | A           | 0.50    |
| 126     | 18.8       | 1.1       | 6.21      | 8.54   | A        | A         | A           | 1.00    |
| 127     | 17.55      | 1.41      | -0.85     | 10.16  | A        | A         | A           | 0.14    |
| 128     | 17.9       | 0.6       | 1.13      | 7.06   | A        | A         | A           | 0.18    |
| 129     | 16.7       | 0.9       | -5.65     | 8.23   | A        | A         | A           | 0.91    |
| 130     | 17.7       | 0.3       | 0.00      | 6.44   | A        | A         | A           | 0.00    |
| 132     | 16.4       | 0.5       | -7.34     | 6.92   | A        | A         | A           | 1.18    |
| 133     | 17.2       | 1.8       | -2.82     | 12.17  | A        | A         | A           | 0.45    |
| 134     | 17.7       | 0.9       | 0.00      | 8.03   | A        | A         | A           | 0.00    |
| 135     | 16.2       | 4.1       | -8.47     | 26.06  | A        | N         | W           | 1.36    |
| 136     | 17.8       | 1.4       | 0.56      | 10.02  | A        | A         | A           | 0.09    |
| 137     | 16.90      | 0.27      | -4.52     | 6.42   | A        | A         | A           | 0.73    |
| 138     | 17.274     | 0.511     | -2.41     | 6.88   | A        | A         | A           | 0.39    |
| 139     | 17.9       | 0.25      | 1.13      | 6.37   | A        | A         | A           | 0.18    |
| 140     | 17.8       | 1.1       | 0.56      | 8.76   | A        | A         | A           | 0.09    |
| 143     | 17.8       | 0.82      | 0.56      | 7.74   | A        | A         | A           | 0.09    |
| 145     | 16.0       | 0.9       | -9.60     | 8.38   | A        | A         | A           | 1.55    |
| 146     | 16.751     | 0.0416    | -5.36     | 6.22   | A        | A         | A           | 0.86    |
| 147     | 17.48      | 0.81      | -1.24     | 7.75   | A        | A         | A           | 0.20    |
| 148     | 17.05      | 0.81      | -3.67     | 7.82   | A        | A         | A           | 0.59    |
| 149     | 16.0       | 0.7       | -9.60     | 7.60   | A        | A         | A           | 1.55    |
| 150     | 17.167     | 0.978     | -3.01     | 8.43   | A        | A         | A           | 0.48    |
| 152     | 16.9       | 1.1       | -4.52     | 9.00   | A        | A         | A           | 0.73    |
| 153     | 14.9       | 0.3       | -15.82    | 6.53   | A        | A         | A           | 2.55    |
| 154     | 17.2       | 0.75      | -2.82     | 7.59   | A        | A         | A           | 0.45    |
| 155     | 16.03      | 0.95      | -9.44     | 8.59   | A        | A         | A           | 1.52    |
| 156     | 17.9       | 1.4       | 1.13      | 9.99   | A        | A         | A           | 0.18    |
| 157     | 17.6       | 1.4       | -0.56     | 10.09  | A        | A         | A           | 0.09    |
| 158     | 19.240     | 0.770     | 8.70      | 7.39   | A        | A         | A           | 1.40    |
| 159     | 18.0       | 2.0       | 1.69      | 12.73  | A        | A         | A           | 0.27    |
| 160     | 17.2       | 0.3       | -2.82     | 6.45   | A        | A         | A           | 0.45    |
| 161     | 17.05      | 0.8       | -3.67     | 7.79   | A        | A         | A           | 0.59    |
| 162     | 16.6       | 0.8       | -6.21     | 7.86   | A        | A         | A           | 1.00    |
| 163     | 17.59      | 0.91      | -0.62     | 8.09   | A        | A         | A           | 0.10    |
| 164     | 17.68      | 0.72      | -0.11     | 7.43   | A        | A         | A           | 0.02    |

TABLE 2. Evaluation Results for Co-60 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 165     | 18.45      | 0.52      | 4.24      | 6.82   | A        | A         | A           | 0.68    |
| 166     | 17.2       | 0.5       | -2.82     | 6.86   | A        | A         | A           | 0.45    |
| 167     | 17.6       | 1.0       | -0.56     | 8.42   | A        | A         | A           | 0.09    |
| 168     | 21.97      | 0.49      | 24.12     | 6.60   | N        | N         | N           | 3.88    |
| 169     | 17.95      | 0.43      | 1.41      | 6.66   | A        | A         | A           | 0.23    |
| 171     | 18.9       | 1.1       | 6.78      | 8.51   | A        | A         | A           | 1.09    |
| 172     | 17.05      | 0.84      | -3.67     | 7.93   | A        | A         | A           | 0.59    |
| 173     | 18.41      | 0.35      | 4.01      | 6.50   | A        | A         | A           | 0.65    |
| 175     | 18.1       | 0.9       | 2.26      | 7.96   | A        | A         | A           | 0.36    |
| 177     | 17.8       | 0.8       | 0.56      | 7.67   | A        | A         | A           | 0.09    |
| 178     | 17.4       | 0.6       | -1.69     | 7.11   | A        | A         | A           | 0.27    |
| 179     | 18.657     | 0.49252   | 5.41      | 6.75   | A        | A         | A           | 0.87    |
| 180     | 19.0       | 0.9       | 7.34      | 7.81   | A        | A         | A           | 1.18    |
| 182     | 19.1       | 0.5       | 7.91      | 6.74   | A        | A         | A           | 1.27    |
| 183     | 17.27      | 0.46      | -2.43     | 6.76   | A        | A         | A           | 0.39    |
| 184     | 17.9       | 0.7       | 1.13      | 7.34   | A        | A         | A           | 0.18    |
| 187     | 19.2       | 1.0       | 8.47      | 8.11   | A        | A         | A           | 1.36    |
| 188     | 18.7       | 1.25      | 5.65      | 9.13   | A        | A         | A           | 0.91    |
| 189     | 18.26      | 1.49      | 3.16      | 10.26  | A        | A         | A           | 0.51    |
| 191     | 17.6       | 0.5       | -0.56     | 6.83   | A        | A         | A           | 0.09    |
| 192     | 18.10      | 0.73      | 2.26      | 7.41   | A        | A         | A           | 0.36    |
| 193     | 2.059      | 0.131     | -88.37    | 8.89   | N        | N         | N           | 14.22   |
| 194     | 63         | 6         | 255.93    | 11.37  | N        | N         | N           | 41.18   |
| 195     | 15.5       | 0.7       | -12.43    | 7.68   | A        | A         | A           | 2.00    |
| 196     | 17.5       | 0.587     | -1.13     | 7.06   | A        | A         | A           | 0.18    |
| 197     | 15.8       | 3.7       | -10.73    | 24.23  | A        | N         | W           | 1.73    |
| 198     | 17.89      | 0.71      | 1.07      | 7.37   | A        | A         | A           | 0.17    |
| 201     | 18.0       | 0.5       | 1.69      | 6.81   | A        | A         | A           | 0.27    |
| 202     | 17.7       | 0.91      | 0.00      | 8.07   | A        | A         | A           | 0.00    |
| 203     | 17.9       | 0.6       | 1.13      | 7.06   | A        | A         | A           | 0.18    |
| 204     | 17.5       | 1.1       | -1.13     | 8.84   | A        | A         | A           | 0.18    |
| 206     | 19.6       | 0.07      | 10.73     | 6.22   | A        | A         | A           | 1.73    |
| 207     | 18.47      | 0.57      | 4.35      | 6.94   | A        | A         | A           | 0.70    |
| 210     | 18.3       | 1.0       | 3.39      | 8.28   | A        | A         | A           | 0.55    |
| 213     | 18.3       | 1.0       | 3.39      | 8.28   | A        | A         | A           | 0.55    |
| 214     | 17.2       | 0.6       | -2.82     | 7.13   | A        | A         | A           | 0.45    |
| 215     | 17.2       | 0.92      | -2.82     | 8.20   | A        | A         | A           | 0.45    |
| 216     | 17.8       | 0.3       | 0.56      | 6.44   | A        | A         | A           | 0.09    |
| 217     | 18.1       | 1.1       | 2.26      | 8.69   | A        | A         | A           | 0.36    |
| 218     | 17.04      | 0.74      | -3.73     | 7.58   | A        | A         | A           | 0.60    |
| 219     | 16.0       | 0.43      | -9.60     | 6.77   | A        | A         | A           | 1.55    |
| 220     | 17.5       | 0.8       | -1.13     | 7.71   | A        | A         | A           | 0.18    |
| 221     | 18.13      | 0.48      | 2.43      | 6.76   | A        | A         | A           | 0.39    |
| 222     | 17.8       | 0.8       | 0.56      | 7.67   | A        | A         | A           | 0.09    |
| 223     | 17.11      | 0.11      | -3.33     | 6.25   | A        | A         | A           | 0.54    |
| 224     | 17.19      | 0.18      | -2.88     | 6.30   | A        | A         | A           | 0.46    |
| 226     | 19.2       | 0.448     | 8.47      | 6.64   | A        | A         | A           | 1.36    |
| 227     | 17.15      | 0.9       | -3.11     | 8.13   | A        | A         | A           | 0.50    |
| 228     | 18.1       | 2.1       | 2.26      | 13.16  | A        | A         | A           | 0.36    |
| 230     | 17.7       | 1.3       | 0.00      | 9.62   | A        | A         | A           | 0.00    |
| 231     | 16.57      | 1.66      | -6.38     | 11.79  | A        | A         | A           | 1.03    |
| 233     | 13.2       | 0.8       | -25.42    | 8.68   | N        | N         | N           | 4.09    |
| 234     | 17.30      | 0.40      | -2.26     | 6.63   | A        | A         | A           | 0.36    |
| 235     | 17.2       | 0.28      | -2.82     | 6.42   | A        | A         | A           | 0.45    |

TABLE 2. Evaluation Results for Co-60 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 237     | 17.74      | 0.17      | 0.23      | 6.29   | A        | A         | A           | 0.04    |
| 238     | 17.5       | 0.6       | -1.13     | 7.10   | A        | A         | A           | 0.18    |
| 239     | 18.16      | 2.63      | 2.60      | 15.76  | A        | A         | A           | 0.42    |
| 241     | 18.48      | 0.77      | 4.41      | 7.48   | A        | A         | A           | 0.71    |
| 243     | 18.62      | 0.95      | 5.20      | 8.04   | A        | A         | A           | 0.84    |
| 244     | 18.9       | 1.7       | 6.78      | 10.93  | A        | A         | A           | 1.09    |
| 246     | 18.0       | 0.4       | 1.69      | 6.60   | A        | A         | A           | 0.27    |
| 247     | 18.56      | 0.92      | 4.86      | 7.95   | A        | A         | A           | 0.78    |
| 248     | 18.74      | 0.59      | 5.88      | 6.97   | A        | A         | A           | 0.95    |
| 249     | 11.2       | 4         | -36.72    | 36.25  | N        | N         | N           | 5.91    |
| 250     | 17.68      | 0.34      | -0.11     | 6.51   | A        | A         | A           | 0.02    |
| 251     | 16.24      | 0.88      | -8.25     | 8.25   | A        | A         | A           | 1.33    |
| 253     | 17.62      | 0.27      | -0.45     | 6.40   | A        | A         | A           | 0.07    |
| 255     | 17.7       | 0.4       | 0.00      | 6.61   | A        | A         | A           | 0.00    |
| 256     | 17.8       | 0.68      | 0.56      | 7.29   | A        | A         | A           | 0.09    |
| 258     | 18.3       | 0.34      | 3.39      | 6.49   | A        | A         | A           | 0.55    |
| 259     | 18.21      | 1.26      | 2.88      | 9.30   | A        | A         | A           | 0.46    |
| 262     | 18.6       | 2.41      | 5.08      | 14.37  | A        | A         | A           | 0.82    |
| 263     | 17.962     | 1.193     | 1.48      | 9.10   | A        | A         | A           | 0.24    |
| 264     | 17.7       | 1.7       | 0.00      | 11.44  | A        | A         | A           | 0.00    |
| 265     | 15.53      | 0.40      | -12.26    | 6.73   | A        | A         | A           | 1.97    |
| 266     | 17.06      | 0.59      | -3.62     | 7.11   | A        | A         | A           | 0.58    |
| 269     | 17.3       | 1.02      | -2.26     | 8.57   | A        | A         | A           | 0.36    |
| 271     | 18.6       | 0.9       | 5.08      | 7.88   | A        | A         | A           | 0.82    |
| 272     | 21.45      | 2.10      | 21.19     | 11.60  | N        | A         | N           | 3.41    |
| 273     | 19.5       | 0.9       | 10.17     | 7.74   | A        | A         | A           | 1.64    |
| 274     | 17.95      | 2.947     | 1.41      | 17.55  | A        | A         | A           | 0.23    |
| 276     | 20.86      | 1.33      | 17.85     | 8.90   | A        | A         | A           | 2.87    |
| 278     | 19.0       | 0.97      | 7.34      | 8.04   | A        | A         | A           | 1.18    |
| 281     | 18.0       | 1.0       | 1.69      | 8.34   | A        | A         | A           | 0.27    |
| 284     | 15.31      | 0.68      | -13.50    | 7.64   | A        | A         | A           | 2.17    |
| 285     | 17.32      | 1.14      | -2.15     | 9.05   | A        | A         | A           | 0.35    |
| 286     | 17.5       | 1.4       | -1.13     | 10.13  | A        | A         | A           | 0.18    |
| 287     | 17.185     | 0.614     | -2.91     | 7.17   | A        | A         | A           | 0.47    |
| 288     | 15.8       | 1.6       | -10.73    | 11.88  | A        | A         | A           | 1.73    |
| 289     | 17.5       | 1.0       | -1.13     | 8.44   | A        | A         | A           | 0.18    |
| 290     | 19.52      | 0.88      | 10.28     | 7.68   | A        | A         | A           | 1.65    |
| 292     | 19.0       | 2.7       | 7.34      | 15.51  | A        | A         | A           | 1.18    |
| 295     | 14.86      | 0.62      | -16.05    | 7.49   | A        | A         | A           | 2.58    |
| 296     | 16.6       | 0.6       | -6.21     | 7.19   | A        | A         | A           | 1.00    |
| 297     | 0.14       | 0.09      | -99.21    | 64.59  | N        | N         | N           | 15.96   |
| 298     | 17.77      | 0.25      | 0.40      | 6.37   | A        | A         | A           | 0.06    |
| 299     | 14.36      | 0.07      | -18.87    | 6.23   | A        | N         | W           | 3.04    |
| 301     | 18.8       | 0.5       | 6.21      | 6.76   | A        | A         | A           | 1.00    |
| 303     | 17.66      | 0.26      | -0.23     | 6.39   | A        | A         | A           | 0.04    |
| 305     | 11.611     | 1.346     | -34.40    | 13.15  | N        | N         | N           | 5.54    |
| 306     | 16.0       | 0.5       | -9.60     | 6.96   | A        | A         | A           | 1.55    |
| 307     | 112.00     | 25.1      | 532.77    | 23.26  | N        | N         | N           | 85.73   |
| 309     | 18.38      | 1.71      | 3.84      | 11.19  | A        | A         | A           | 0.62    |
| 310     | 17.5       | 1.9       | -1.13     | 12.51  | A        | A         | A           | 0.18    |
| 312     | 17.40      | 0.65      | -1.69     | 7.25   | A        | A         | A           | 0.27    |
| 313     | 18.1       | 1.2       | 2.26      | 9.09   | A        | A         | A           | 0.36    |

## Reported Results for Sr-90 Determination in Sample 1

TABLE 3. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 26.4  |
| UNC, Bq/kg          | 1.6   |
| MARB, %             | 30    |

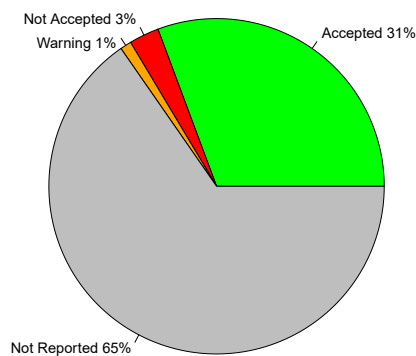


FIGURE 3. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

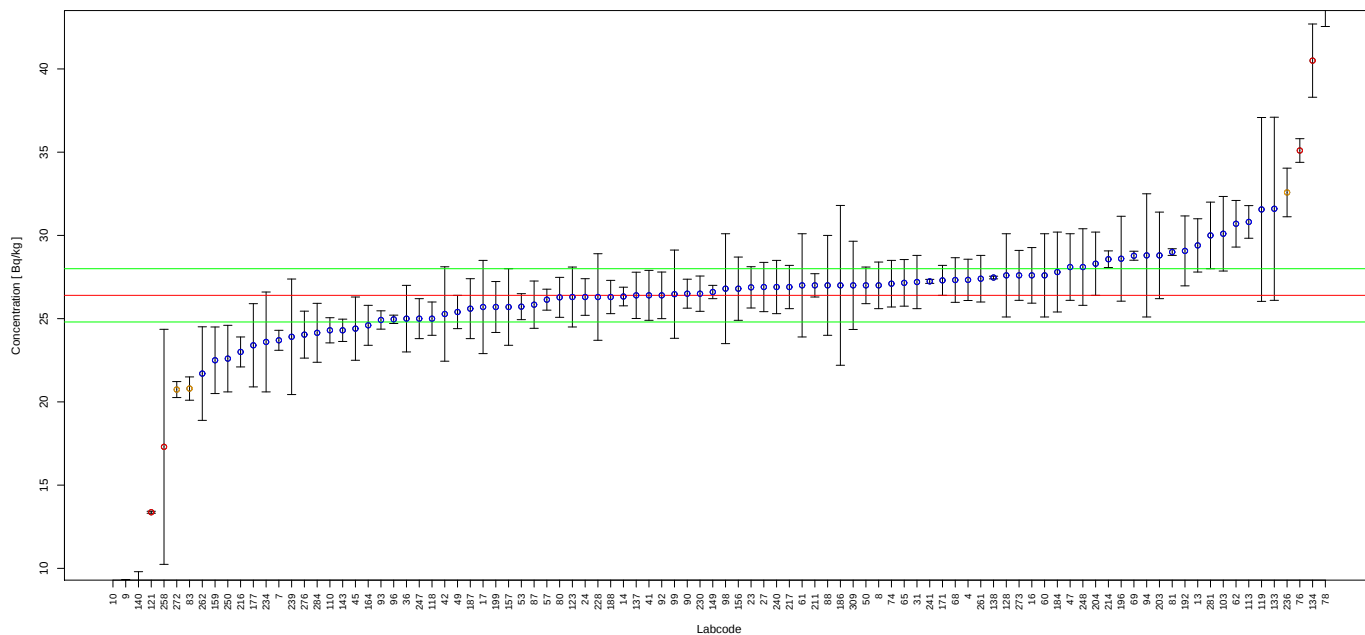


FIGURE 4. Reported results and evaluation parameters for Sr-90. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 4. Evaluation Results for Sr-90 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 27.33      | 1.24      | 3.52      | 7.57   | A        | A         | A           | 0.58    |
| 7       | 23.7       | 0.6       | -10.23    | 6.57   | A        | A         | A           | 1.69    |
| 8       | 27.0       | 1.4       | 2.27      | 7.98   | A        | A         | A           | 0.38    |
| 9       | 7.15       | 2.18      | -72.92    | 31.09  | N        | N         | N           | 12.03   |
| 10      | 7.07       | 0.36      | -73.22    | 7.92   | N        | N         | N           | 12.08   |
| 13      | 29.4       | 1.6       | 11.36     | 8.15   | A        | A         | A           | 1.88    |
| 14      | 26.33      | 0.56      | -0.27     | 6.42   | A        | A         | A           | 0.04    |
| 16      | 27.6       | 1.67      | 4.55      | 8.56   | A        | A         | A           | 0.75    |
| 17      | 25.7       | 2.8       | -2.65     | 12.47  | A        | A         | A           | 0.44    |
| 23      | 26.88      | 1.24      | 1.82      | 7.62   | A        | A         | A           | 0.30    |
| 24      | 26.3       | 1.1       | -0.38     | 7.36   | A        | A         | A           | 0.06    |
| 27      | 26.9       | 1.48      | 1.89      | 8.19   | A        | A         | A           | 0.31    |
| 31      | 27.2       | 1.6       | 3.03      | 8.45   | A        | A         | A           | 0.50    |
| 36      | 25         | 2         | -5.30     | 10.04  | A        | A         | A           | 0.87    |
| 41      | 26.4       | 1.5       | 0.00      | 8.31   | A        | A         | A           | 0.00    |
| 42      | 25.28      | 2.836     | -4.24     | 12.75  | A        | A         | A           | 0.70    |
| 45      | 24.4       | 1.9       | -7.58     | 9.87   | A        | A         | A           | 1.25    |
| 47      | 28.1       | 2.0       | 6.44      | 9.35   | A        | A         | A           | 1.06    |
| 49      | 25.4       | 1.0       | -3.79     | 7.23   | A        | A         | A           | 0.62    |
| 50      | 27.0       | 1.1       | 2.27      | 7.30   | A        | A         | A           | 0.38    |
| 53      | 25.72      | 0.78      | -2.58     | 6.78   | A        | A         | A           | 0.42    |
| 57      | 26.14      | 0.63      | -0.98     | 6.52   | A        | A         | A           | 0.16    |
| 60      | 27.6       | 2.5       | 4.55      | 10.90  | A        | A         | A           | 0.75    |
| 61      | 27.0       | 3.1       | 2.27      | 12.98  | A        | A         | A           | 0.38    |
| 62      | 30.7       | 1.4       | 16.29     | 7.58   | A        | A         | A           | 2.69    |
| 65      | 27.15      | 1.4       | 2.84      | 7.96   | A        | A         | A           | 0.47    |
| 68      | 27.32      | 1.34      | 3.48      | 7.80   | A        | A         | A           | 0.58    |
| 69      | 28.78      | 0.27      | 9.02      | 6.13   | A        | A         | A           | 1.49    |
| 74      | 27.1       | 1.4       | 2.65      | 7.96   | A        | A         | A           | 0.44    |
| 76      | 35.1       | 0.71      | 32.95     | 6.39   | N        | N         | N           | 5.44    |
| 78      | 47.42      | 4.87      | 79.62     | 11.92  | N        | N         | N           | 13.14   |
| 80      | 26.28      | 1.20      | -0.45     | 7.59   | A        | A         | A           | 0.07    |
| 81      | 29.0       | 0.2       | 9.85      | 6.10   | A        | A         | A           | 1.63    |
| 83      | 20.8       | 0.7       | -21.21    | 6.93   | A        | N         | W           | 3.50    |
| 87      | 25.84      | 1.42      | -2.12     | 8.18   | A        | A         | A           | 0.35    |
| 88      | 27.0       | 3.0       | 2.27      | 12.66  | A        | A         | A           | 0.38    |
| 90      | 26.5       | 0.87      | 0.38      | 6.89   | A        | A         | A           | 0.06    |
| 92      | 26.4       | 1.4       | 0.00      | 8.05   | A        | A         | A           | 0.00    |
| 93      | 24.92      | 0.55      | -5.61     | 6.45   | A        | A         | A           | 0.92    |
| 94      | 28.8       | 3.7       | 9.09      | 14.21  | A        | A         | A           | 1.50    |
| 96      | 24.96      | 0.25      | -5.45     | 6.14   | A        | A         | A           | 0.90    |
| 98      | 26.8       | 3.3       | 1.52      | 13.72  | A        | A         | A           | 0.25    |
| 99      | 26.47      | 2.65      | 0.27      | 11.70  | A        | A         | A           | 0.04    |
| 103     | 30.1       | 2.24      | 14.02     | 9.60   | A        | A         | A           | 2.31    |
| 110     | 24.3       | 0.756     | -7.95     | 6.81   | A        | A         | A           | 1.31    |
| 113     | 30.81      | 0.98      | 16.70     | 6.84   | A        | A         | A           | 2.76    |
| 118     | 25         | 1         | -5.30     | 7.26   | A        | A         | A           | 0.87    |
| 119     | 31.560     | 5.523     | 19.55     | 18.52  | A        | A         | A           | 3.22    |
| 121     | 13.37      | 0.06      | -49.36    | 6.08   | N        | N         | N           | 8.14    |
| 123     | 26.3       | 1.8       | -0.38     | 9.14   | A        | A         | A           | 0.06    |
| 128     | 27.6       | 2.5       | 4.55      | 10.90  | A        | A         | A           | 0.75    |
| 133     | 31.6       | 5.5       | 19.70     | 18.43  | A        | A         | A           | 3.25    |
| 134     | 40.5       | 2.2       | 53.41     | 8.14   | N        | N         | N           | 8.81    |

TABLE 4. Evaluation Results for Sr-90 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 137     | 26.40      | 1.39      | 0.00      | 8.03   | A        | A         | A           | 0.00    |
| 138     | 27.47      | 0.08      | 4.05      | 6.07   | A        | A         | A           | 0.67    |
| 140     | 8.5        | 1.3       | -67.80    | 16.45  | N        | N         | N           | 11.19   |
| 143     | 24.3       | 0.67      | -7.95     | 6.66   | A        | A         | A           | 1.31    |
| 149     | 26.6       | 0.4       | 0.76      | 6.24   | A        | A         | A           | 0.13    |
| 156     | 26.8       | 1.9       | 1.52      | 9.33   | A        | A         | A           | 0.25    |
| 157     | 25.7       | 2.3       | -2.65     | 10.81  | A        | A         | A           | 0.44    |
| 159     | 22.5       | 2.0       | -14.77    | 10.76  | A        | A         | A           | 2.44    |
| 164     | 24.6       | 1.2       | -6.82     | 7.78   | A        | A         | A           | 1.12    |
| 171     | 27.3       | 0.9       | 3.41      | 6.90   | A        | A         | A           | 0.56    |
| 177     | 23.4       | 2.5       | -11.36    | 12.28  | A        | A         | A           | 1.88    |
| 184     | 27.8       | 2.4       | 5.30      | 10.55  | A        | A         | A           | 0.88    |
| 186     | 27.0       | 4.8       | 2.27      | 18.78  | A        | A         | A           | 0.38    |
| 187     | 25.6       | 1.8       | -3.03     | 9.28   | A        | A         | A           | 0.50    |
| 188     | 26.3       | 1.0       | -0.38     | 7.15   | A        | A         | A           | 0.06    |
| 192     | 29.07      | 2.10      | 10.11     | 9.43   | A        | A         | A           | 1.67    |
| 196     | 28.6       | 2.55      | 8.33      | 10.78  | A        | A         | A           | 1.38    |
| 199     | 25.70      | 1.53      | -2.65     | 8.50   | A        | A         | A           | 0.44    |
| 203     | 28.8       | 2.6       | 9.09      | 10.87  | A        | A         | A           | 1.50    |
| 204     | 28.3       | 1.9       | 7.20      | 9.04   | A        | A         | A           | 1.19    |
| 211     | 27.0       | 0.7       | 2.27      | 6.59   | A        | A         | A           | 0.38    |
| 214     | 28.57      | 0.5       | 8.22      | 6.31   | A        | A         | A           | 1.36    |
| 216     | 23.0       | 0.9       | -12.88    | 7.21   | A        | A         | A           | 2.12    |
| 217     | 26.9       | 1.3       | 1.89      | 7.75   | A        | A         | A           | 0.31    |
| 228     | 26.3       | 2.6       | -0.38     | 11.60  | A        | A         | A           | 0.06    |
| 230     | 26.5       | 1.06      | 0.38      | 7.26   | A        | A         | A           | 0.06    |
| 234     | 23.60      | 3.00      | -10.61    | 14.08  | A        | A         | A           | 1.75    |
| 236     | 32.58      | 1.46      | 23.41     | 7.54   | A        | N         | W           | 3.86    |
| 239     | 23.91      | 3.47      | -9.43     | 15.73  | A        | A         | A           | 1.56    |
| 240     | 26.9       | 1.60      | 1.89      | 8.49   | A        | A         | A           | 0.31    |
| 241     | 27.24      | 0.12      | 3.18      | 6.08   | A        | A         | A           | 0.52    |
| 247     | 25.0       | 1.2       | -5.30     | 7.73   | A        | A         | A           | 0.87    |
| 248     | 28.1       | 2.3       | 6.44      | 10.18  | A        | A         | A           | 1.06    |
| 250     | 22.60      | 2.00      | -14.39    | 10.73  | A        | A         | A           | 2.37    |
| 258     | 17.30      | 7.06      | -34.47    | 41.26  | N        | N         | N           | 5.69    |
| 261     | 27.4       | 1.4       | 3.79      | 7.93   | A        | A         | A           | 0.62    |
| 262     | 21.7       | 2.81      | -17.80    | 14.30  | A        | A         | A           | 2.94    |
| 272     | 20.74      | 0.48      | -21.44    | 6.49   | A        | N         | W           | 3.54    |
| 273     | 27.6       | 1.5       | 4.55      | 8.14   | A        | A         | A           | 0.75    |
| 276     | 24.04      | 1.41      | -8.94     | 8.43   | A        | A         | A           | 1.47    |
| 281     | 30.0       | 2.0       | 13.64     | 9.01   | A        | A         | A           | 2.25    |
| 284     | 24.15      | 1.77      | -8.52     | 9.51   | A        | A         | A           | 1.41    |
| 309     | 27         | 2.65      | 2.27      | 11.54  | A        | A         | A           | 0.38    |

## Reported Results for Cs-134 Determination in Sample 1

TABLE 5. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 15.9  |
| UNC, Bq/kg          | 1     |
| MARB, %             | 20    |

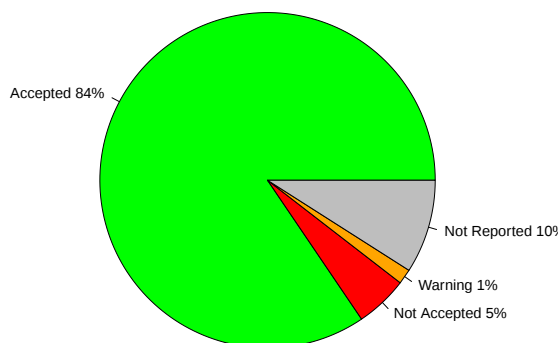


FIGURE 5. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

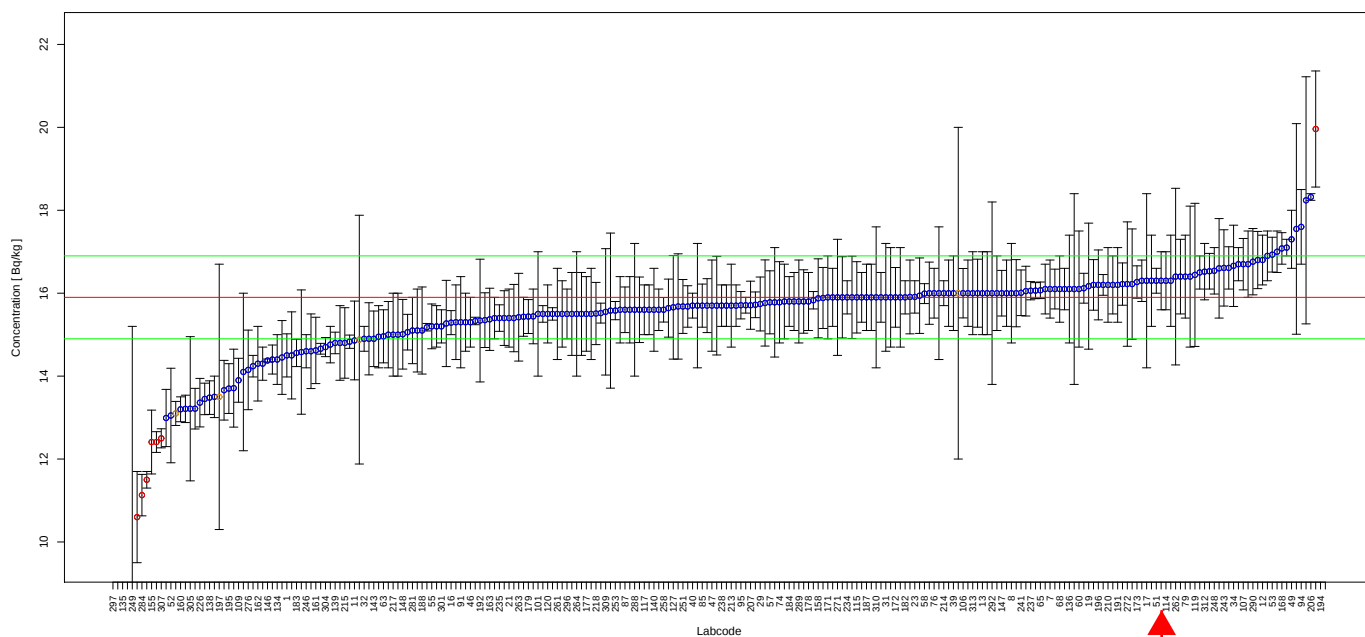


FIGURE 6. Reported results and evaluation parameters for Cs-134. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 6. Evaluation Results for Cs-134 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 14.5       | 0.52      | -8.81     | 7.24   | A        | A         | A           | 1.40    |
| 4       | 15.68      | 0.50      | -1.38     | 7.05   | A        | A         | A           | 0.22    |
| 6       | 15.27      | 1.04      | -3.96     | 9.27   | A        | A         | A           | 0.63    |
| 7       | 16.1       | 0.7       | 1.26      | 7.65   | A        | A         | A           | 0.20    |
| 8       | 16.0       | 1.2       | 0.63      | 9.79   | A        | A         | A           | 0.10    |
| 9       | 16.61      | 0.51      | 4.47      | 7.00   | A        | A         | A           | 0.71    |
| 10      | 54.34      | 8.56      | 241.76    | 16.96  | N        | N         | N           | 38.44   |
| 11      | 14.86      | 0.95      | -6.54     | 8.97   | A        | A         | A           | 1.04    |
| 12      | 16.8       | 0.6       | 5.66      | 7.23   | A        | A         | A           | 0.90    |
| 13      | 16         | 1         | 0.63      | 8.87   | A        | A         | A           | 0.10    |
| 14      | 16.05      | 0.60      | 0.94      | 7.32   | A        | A         | A           | 0.15    |
| 16      | 15.29      | 0.29      | -3.84     | 6.57   | A        | A         | A           | 0.61    |
| 17      | 16.3       | 2.1       | 2.52      | 14.34  | A        | A         | A           | 0.40    |
| 18      | 15.68      | 1.27      | -1.38     | 10.25  | A        | A         | A           | 0.22    |
| 19      | 16.17      | 1.52      | 1.70      | 11.31  | A        | A         | A           | 0.27    |
| 20      | 16.7       | 0.8       | 5.03      | 7.91   | A        | A         | A           | 0.80    |
| 21      | 15.4       | 0.7       | -3.14     | 7.76   | A        | A         | A           | 0.50    |
| 22      | 16.062     | 0.193     | 1.02      | 6.40   | A        | A         | A           | 0.16    |
| 23      | 15.91      | 0.39      | 0.06      | 6.75   | A        | A         | A           | 0.01    |
| 24      | 15.9       | 0.6       | 0.00      | 7.33   | A        | A         | A           | 0.00    |
| 25      | 12.99      | 0.69      | -18.30    | 8.23   | A        | A         | A           | 2.91    |
| 26      | 15.4       | 0.5       | -3.14     | 7.08   | A        | A         | A           | 0.50    |
| 27      | 16.8       | 0.69      | 5.66      | 7.51   | A        | A         | A           | 0.90    |
| 28      | 15.5       | 0.8       | -2.52     | 8.14   | A        | A         | A           | 0.40    |
| 29      | 15.74      | 0.65      | -1.01     | 7.52   | A        | A         | A           | 0.16    |
| 31      | 15.9       | 1.3       | 0.00      | 10.32  | A        | A         | A           | 0.00    |
| 32      | 14.9       | 0.3       | -6.29     | 6.60   | A        | A         | A           | 1.00    |
| 33      | 13.66      | 0.72      | -14.09    | 8.21   | A        | A         | A           | 2.24    |
| 34      | 16.66      | 0.98      | 4.78      | 8.61   | A        | A         | A           | 0.76    |
| 35      | 16.7       | 0.4       | 5.03      | 6.73   | A        | A         | A           | 0.80    |
| 36      | 16         | 4         | 0.63      | 25.78  | A        | N         | W           | 0.10    |
| 37      | 15.8       | 0.9       | -0.63     | 8.49   | A        | A         | A           | 0.10    |
| 38      | 16         | 1         | 0.63      | 8.87   | A        | A         | A           | 0.10    |
| 39      | 16.0       | 0.9       | 0.63      | 8.44   | A        | A         | A           | 0.10    |
| 40      | 15.7       | 0.3       | -1.26     | 6.57   | A        | A         | A           | 0.20    |
| 41      | 15.7       | 1.19      | -1.26     | 9.85   | A        | A         | A           | 0.20    |
| 42      | 7.76       | 0.30      | -51.19    | 7.38   | N        | N         | N           | 8.14    |
| 43      | 16.3       | 1.1       | 2.52      | 9.22   | A        | A         | A           | 0.40    |
| 45      | 15.35      | 0.66      | -3.46     | 7.62   | A        | A         | A           | 0.55    |
| 46      | 15.3       | 0.6       | -3.77     | 7.41   | A        | A         | A           | 0.60    |
| 47      | 15.7       | 1.1       | -1.26     | 9.42   | A        | A         | A           | 0.20    |
| 49      | 17.3       | 0.7       | 8.81      | 7.48   | A        | A         | A           | 1.40    |
| 50      | 17.1       | 0.2       | 7.55      | 6.40   | A        | A         | A           | 1.20    |
| 51      | 16.3       | 0.3       | 2.52      | 6.55   | A        | A         | A           | 0.40    |
| 52      | 13.05      | 1.14      | -17.92    | 10.76  | A        | A         | A           | 2.85    |
| 53      | 16.93      | 0.42      | 6.48      | 6.76   | A        | A         | A           | 1.03    |
| 55      | 15.2       | 0.54      | -4.40     | 7.22   | A        | A         | A           | 0.70    |
| 56      | 14.6       | 0.9       | -8.18     | 8.81   | A        | A         | A           | 1.30    |
| 57      | 15.78      | 0.76      | -0.75     | 7.92   | A        | A         | A           | 0.12    |
| 58      | 15.99      | 0.24      | 0.57      | 6.47   | A        | A         | A           | 0.09    |
| 59      | 16.0       | 0.9       | 0.63      | 8.44   | A        | A         | A           | 0.10    |
| 60      | 16.1       | 1.4       | 1.26      | 10.73  | A        | A         | A           | 0.20    |
| 61      | 16.2       | 0.61      | 1.89      | 7.33   | A        | A         | A           | 0.30    |

TABLE 6. Evaluation Results for Cs-134 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 62      | 15.9       | 0.6       | 0.00      | 7.33   | A        | A         | A           | 0.00    |
| 63      | 14.96      | 0.64      | -5.91     | 7.61   | A        | A         | A           | 0.94    |
| 64      | 15.6       | 0.8       | -1.89     | 8.12   | A        | A         | A           | 0.30    |
| 65      | 16.07      | 0.20      | 1.07      | 6.41   | A        | A         | A           | 0.17    |
| 67      | 15.78      | 1.32      | -0.75     | 10.47  | A        | A         | A           | 0.12    |
| 68      | 16.1       | 0.8       | 1.26      | 8.02   | A        | A         | A           | 0.20    |
| 69      | 14.66      | 0.13      | -7.80     | 6.35   | A        | A         | A           | 1.24    |
| 70      | 16.5       | 0.4       | 3.77      | 6.74   | A        | A         | A           | 0.60    |
| 71      | 15.52      | 0.24      | -2.39     | 6.48   | A        | A         | A           | 0.38    |
| 72      | 14.8       | 0.9       | -6.92     | 8.75   | A        | A         | A           | 1.10    |
| 74      | 15.78      | 0.98      | -0.75     | 8.84   | A        | A         | A           | 0.12    |
| 75      | 15.6       | 0.6       | -1.89     | 7.37   | A        | A         | A           | 0.30    |
| 76      | 16.0       | 0.60      | 0.63      | 7.32   | A        | A         | A           | 0.10    |
| 77      | 15.4       | 0.812     | -3.14     | 8.21   | A        | A         | A           | 0.50    |
| 78      | 15.6       | 0.5       | -1.89     | 7.06   | A        | A         | A           | 0.30    |
| 79      | 16.4       | 1.0       | 3.14      | 8.76   | A        | A         | A           | 0.50    |
| 80      | 13.45      | 0.38      | -15.41    | 6.89   | A        | A         | A           | 2.45    |
| 81      | 16.0       | 0.8       | 0.63      | 8.03   | A        | A         | A           | 0.10    |
| 83      | 15.70      | 0.65      | -1.26     | 7.53   | A        | A         | A           | 0.20    |
| 84      | 15.885     | 0.736     | -0.09     | 7.81   | A        | A         | A           | 0.02    |
| 85      | 15.7       | 0.52      | -1.26     | 7.11   | A        | A         | A           | 0.20    |
| 86      | 14.5       | 1.05      | -8.81     | 9.59   | A        | A         | A           | 1.40    |
| 87      | 15.6       | 0.55      | -1.89     | 7.21   | A        | A         | A           | 0.30    |
| 88      | 16.9       | 0.6       | 6.29      | 7.22   | A        | A         | A           | 1.00    |
| 89      | 16.3       | 1.1       | 2.52      | 9.22   | A        | A         | A           | 0.40    |
| 90      | 15.2       | 0.50      | -4.40     | 7.10   | A        | A         | A           | 0.70    |
| 91      | 15.3       | 1.1       | -3.77     | 9.55   | A        | A         | A           | 0.60    |
| 92      | 16.10      | 0.50      | 1.26      | 7.01   | A        | A         | A           | 0.20    |
| 93      | 16.2       | 0.25      | 1.89      | 6.48   | A        | A         | A           | 0.30    |
| 94      | 17.6       | 0.9       | 10.69     | 8.11   | A        | A         | A           | 1.70    |
| 95      | 15.71      | 0.33      | -1.19     | 6.63   | A        | A         | A           | 0.19    |
| 96      | 15.83      | 0.21      | -0.44     | 6.43   | A        | A         | A           | 0.07    |
| 97      | 15.64      | 0.70      | -1.64     | 7.72   | A        | A         | A           | 0.26    |
| 98      | 16.0       | 0.8       | 0.63      | 8.03   | A        | A         | A           | 0.10    |
| 99      | 15.58      | 1.87      | -2.01     | 13.55  | A        | A         | A           | 0.32    |
| 101     | 15.5       | 1.5       | -2.52     | 11.54  | A        | A         | A           | 0.40    |
| 102     | 15.8       | 0.765     | -0.63     | 7.94   | A        | A         | A           | 0.10    |
| 103     | 16.0       | 0.81      | 0.63      | 8.07   | A        | A         | A           | 0.10    |
| 105     | 14.58      | 1.499     | -8.30     | 12.05  | A        | A         | A           | 1.32    |
| 106     | 16.00      | 0.596     | 0.63      | 7.31   | A        | A         | A           | 0.10    |
| 107     | 16.7       | 0.62      | 5.03      | 7.30   | A        | A         | A           | 0.80    |
| 109     | 13.90      | 0.53      | -12.58    | 7.35   | A        | A         | A           | 2.00    |
| 110     | 15.9       | 0.993     | 0.00      | 8.86   | A        | A         | A           | 0.00    |
| 111     | 15.9       | 0.98      | 0.00      | 8.81   | A        | A         | A           | 0.00    |
| 113     | 14.83      | 0.16      | -6.73     | 6.38   | A        | A         | A           | 1.07    |
| 114     | 16.3       | 0.7       | 2.52      | 7.62   | A        | A         | A           | 0.40    |
| 115     | 15.90      | 0.86      | 0.00      | 8.30   | A        | A         | A           | 0.00    |
| 117     | 15.6       | 0.6       | -1.89     | 7.37   | A        | A         | A           | 0.30    |
| 118     | 15         | 1         | -5.66     | 9.17   | A        | A         | A           | 0.90    |
| 119     | 16.442     | 1.726     | 3.41      | 12.24  | A        | A         | A           | 0.54    |
| 120     | 15.5       | 0.7       | -2.52     | 7.74   | A        | A         | A           | 0.40    |
| 121     | 15.431     | 0.47      | -2.95     | 6.99   | A        | A         | A           | 0.47    |
| 123     | 16.4       | 0.9       | 3.14      | 8.35   | A        | A         | A           | 0.50    |
| 124     | 12.41      | 0.25      | -21.95    | 6.60   | N        | N         | N           | 3.49    |

TABLE 6. Evaluation Results for Cs-134 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 125     | 19.96      | 1.40      | 25.53     | 9.42   | N        | N         | N           | 4.06    |
| 126     | 16.6       | 1.2       | 4.40      | 9.58   | A        | A         | A           | 0.70    |
| 127     | 15.660     | 1.25      | -1.51     | 10.16  | A        | A         | A           | 0.24    |
| 128     | 16.2       | 0.7       | 1.89      | 7.63   | A        | A         | A           | 0.30    |
| 129     | 15.3       | 0.9       | -3.77     | 8.61   | A        | A         | A           | 0.60    |
| 130     | 15.5       | 0.15      | -2.52     | 6.36   | A        | A         | A           | 0.40    |
| 132     | 14.3       | 0.4       | -10.06    | 6.88   | A        | A         | A           | 1.60    |
| 133     | 16.4       | 1.7       | 3.14      | 12.12  | A        | A         | A           | 0.50    |
| 134     | 14.4       | 0.6       | -9.43     | 7.54   | A        | A         | A           | 1.50    |
| 135     | 5.9        | 0.6       | -62.89    | 11.96  | N        | N         | N           | 10.00   |
| 136     | 16.1       | 1.3       | 1.26      | 10.23  | A        | A         | A           | 0.20    |
| 137     | 13.10      | 0.29      | -17.61    | 6.67   | A        | N         | W           | 2.80    |
| 138     | 13.481     | 0.405     | -15.21    | 6.97   | A        | A         | A           | 2.42    |
| 139     | 14.8       | 0.26      | -6.92     | 6.53   | A        | A         | A           | 1.10    |
| 140     | 15.6       | 1.0       | -1.89     | 8.98   | A        | A         | A           | 0.30    |
| 143     | 14.9       | 0.67      | -6.29     | 7.73   | A        | A         | A           | 1.00    |
| 145     | 16.3       | 0.7       | 2.52      | 7.62   | A        | A         | A           | 0.40    |
| 146     | 14.376     | 0.0359    | -9.58     | 6.29   | A        | A         | A           | 1.52    |
| 147     | 16.0       | 0.55      | 0.63      | 7.17   | A        | A         | A           | 0.10    |
| 148     | 15.01      | 0.84      | -5.60     | 8.42   | A        | A         | A           | 0.89    |
| 149     | 13.5       | 0.5       | -15.09    | 7.30   | A        | A         | A           | 2.40    |
| 150     | 15.764     | 1.039     | -0.86     | 9.11   | A        | A         | A           | 0.14    |
| 152     | 15.0       | 0.8       | -5.66     | 8.25   | A        | A         | A           | 0.90    |
| 153     | 11.5       | 0.2       | -27.67    | 6.53   | N        | N         | N           | 4.40    |
| 154     | 15.4       | 0.66      | -3.14     | 7.61   | A        | A         | A           | 0.50    |
| 155     | 12.41      | 0.77      | -21.95    | 8.83   | N        | A         | N           | 3.49    |
| 156     | 15.9       | 1.2       | 0.00      | 9.82   | A        | A         | A           | 0.00    |
| 157     | 15.9       | 1.2       | 0.00      | 9.82   | A        | A         | A           | 0.00    |
| 158     | 15.876     | 0.953     | -0.15     | 8.69   | A        | A         | A           | 0.02    |
| 159     | 15.7       | 1.5       | -1.26     | 11.44  | A        | A         | A           | 0.20    |
| 160     | 13.2       | 0.3       | -16.98    | 6.69   | A        | A         | A           | 2.70    |
| 161     | 14.62      | 0.8       | -8.05     | 8.34   | A        | A         | A           | 1.28    |
| 162     | 14.3       | 0.9       | -10.06    | 8.90   | A        | A         | A           | 1.60    |
| 163     | 15.37      | 0.75      | -3.33     | 7.96   | A        | A         | A           | 0.53    |
| 164     | 14.95      | 0.75      | -5.97     | 8.05   | A        | A         | A           | 0.95    |
| 165     | 16.22      | 0.51      | 2.01      | 7.03   | A        | A         | A           | 0.32    |
| 166     | 16.3       | 0.5       | 2.52      | 7.00   | A        | A         | A           | 0.40    |
| 167     | 15.5       | 1.0       | -2.52     | 9.01   | A        | A         | A           | 0.40    |
| 168     | 17.08      | 0.38      | 7.42      | 6.67   | A        | A         | A           | 1.18    |
| 169     | 14.76      | 0.44      | -7.17     | 6.96   | A        | A         | A           | 1.14    |
| 171     | 15.9       | 1.0       | 0.00      | 8.89   | A        | A         | A           | 0.00    |
| 172     | 15.9       | 0.72      | 0.00      | 7.75   | A        | A         | A           | 0.00    |
| 173     | 16.27      | 0.39      | 2.33      | 6.73   | A        | A         | A           | 0.37    |
| 175     | 16.0       | 0.8       | 0.63      | 8.03   | A        | A         | A           | 0.10    |
| 177     | 15.5       | 0.9       | -2.52     | 8.56   | A        | A         | A           | 0.40    |
| 178     | 15.8       | 0.7       | -0.63     | 7.69   | A        | A         | A           | 0.10    |
| 179     | 15.437     | 0.40893   | -2.91     | 6.82   | A        | A         | A           | 0.46    |
| 180     | 15.9       | 0.8       | 0.00      | 8.05   | A        | A         | A           | 0.00    |
| 182     | 15.9       | 0.4       | 0.00      | 6.77   | A        | A         | A           | 0.00    |
| 183     | 14.56      | 0.33      | -8.43     | 6.69   | A        | A         | A           | 1.34    |
| 184     | 15.8       | 0.6       | -0.63     | 7.35   | A        | A         | A           | 0.10    |
| 185     | 14.1       | 1.9       | -11.32    | 14.87  | A        | A         | A           | 1.80    |
| 187     | 15.9       | 0.8       | 0.00      | 8.05   | A        | A         | A           | 0.00    |
| 188     | 15.1       | 1.05      | -5.03     | 9.38   | A        | A         | A           | 0.80    |

TABLE 6. Evaluation Results for Cs-134 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 189     | 16.22      | 1.33      | 2.01      | 10.33  | A        | A         | A           | 0.32    |
| 191     | 16.2       | 0.9       | 1.89      | 8.39   | A        | A         | A           | 0.30    |
| 192     | 15.34      | 1.48      | -3.52     | 11.52  | A        | A         | A           | 0.56    |
| 193     | 1.695      | 0.094     | -89.34    | 8.39   | N        | N         | N           | 14.20   |
| 194     | 44.9       | 5         | 182.39    | 12.79  | N        | N         | N           | 29.00   |
| 195     | 13.7       | 0.6       | -13.84    | 7.66   | A        | A         | A           | 2.20    |
| 196     | 16.2       | 0.843     | 1.89      | 8.16   | A        | A         | A           | 0.30    |
| 197     | 13.5       | 3.2       | -15.09    | 24.52  | A        | N         | W           | 2.40    |
| 198     | 15.91      | 0.89      | 0.06      | 8.42   | A        | A         | A           | 0.01    |
| 201     | 16.1       | 0.6       | 1.26      | 7.31   | A        | A         | A           | 0.20    |
| 202     | 15.6       | 0.8       | -1.89     | 8.12   | A        | A         | A           | 0.30    |
| 203     | 15.7       | 0.5       | -1.26     | 7.05   | A        | A         | A           | 0.20    |
| 204     | 15.5       | 1.0       | -2.52     | 9.01   | A        | A         | A           | 0.40    |
| 206     | 18.32      | 0.08      | 15.22     | 6.30   | A        | A         | A           | 2.42    |
| 207     | 15.71      | 0.58      | -1.19     | 7.29   | A        | A         | A           | 0.19    |
| 209     | 14.88      | 3         | -6.42     | 21.12  | A        | N         | W           | 1.02    |
| 210     | 16.2       | 0.9       | 1.89      | 8.39   | A        | A         | A           | 0.30    |
| 213     | 15.7       | 1.0       | -1.26     | 8.95   | A        | A         | A           | 0.20    |
| 214     | 16.0       | 0.3       | 0.63      | 6.56   | A        | A         | A           | 0.10    |
| 215     | 14.8       | 0.85      | -6.92     | 8.52   | A        | A         | A           | 1.10    |
| 216     | 15.5       | 0.2       | -2.52     | 6.42   | A        | A         | A           | 0.40    |
| 217     | 15.0       | 1.0       | -5.66     | 9.17   | A        | A         | A           | 0.90    |
| 218     | 15.51      | 0.75      | -2.45     | 7.93   | A        | A         | A           | 0.39    |
| 219     | 14.4       | 0.35      | -9.43     | 6.74   | A        | A         | A           | 1.50    |
| 220     | 16.0       | 0.75      | 0.63      | 7.84   | A        | A         | A           | 0.10    |
| 221     | 16.53      | 0.43      | 3.96      | 6.81   | A        | A         | A           | 0.63    |
| 222     | 15.1       | 1.0       | -5.03     | 9.13   | A        | A         | A           | 0.80    |
| 223     | 15.33      | 0.09      | -3.58     | 6.32   | A        | A         | A           | 0.57    |
| 224     | 15.18      | 0.09      | -4.53     | 6.32   | A        | A         | A           | 0.72    |
| 226     | 13.36      | 0.585     | -15.97    | 7.66   | A        | A         | A           | 2.54    |
| 227     | 16.12      | 0.36      | 1.38      | 6.67   | A        | A         | A           | 0.22    |
| 228     | 16.1       | 2.3       | 1.26      | 15.61  | A        | A         | A           | 0.20    |
| 230     | 15.5       | 1.1       | -2.52     | 9.48   | A        | A         | A           | 0.40    |
| 231     | 10.6       | 1.1       | -33.33    | 12.13  | N        | N         | N           | 5.30    |
| 233     | 15.94      | 0.91      | 0.25      | 8.49   | A        | A         | A           | 0.04    |
| 234     | 15.90      | 0.40      | 0.00      | 6.77   | A        | A         | A           | 0.00    |
| 235     | 15.4       | 0.32      | -3.14     | 6.62   | A        | A         | A           | 0.50    |
| 237     | 16.06      | 0.22      | 1.01      | 6.44   | A        | A         | A           | 0.16    |
| 238     | 15.7       | 0.5       | -1.26     | 7.05   | A        | A         | A           | 0.20    |
| 239     | 17.55      | 2.54      | 10.38     | 15.78  | A        | A         | A           | 1.65    |
| 241     | 16.01      | 0.55      | 0.69      | 7.17   | A        | A         | A           | 0.11    |
| 243     | 16.61      | 0.92      | 4.47      | 8.38   | A        | A         | A           | 0.71    |
| 244     | 16.0       | 1.6       | 0.63      | 11.81  | A        | A         | A           | 0.10    |
| 246     | 14.6       | 0.4       | -8.18     | 6.86   | A        | A         | A           | 1.30    |
| 247     | 16.00      | 0.82      | 0.63      | 8.11   | A        | A         | A           | 0.10    |
| 248     | 16.54      | 0.56      | 4.03      | 7.14   | A        | A         | A           | 0.64    |
| 249     | 8.2        | 7         | -48.43    | 85.60  | N        | N         | N           | 7.70    |
| 250     | 15.72      | 0.31      | -1.13     | 6.59   | A        | A         | A           | 0.18    |
| 251     | 15.68      | 0.65      | -1.38     | 7.53   | A        | A         | A           | 0.22    |
| 253     | 15.58      | 0.22      | -2.01     | 6.45   | A        | A         | A           | 0.32    |
| 255     | 17.0       | 0.5       | 6.92      | 6.94   | A        | A         | A           | 1.10    |
| 256     | 16.1       | 0.48      | 1.26      | 6.96   | A        | A         | A           | 0.20    |
| 258     | 15.6       | 0.296     | -1.89     | 6.57   | A        | A         | A           | 0.30    |
| 259     | 14.45      | 0.89      | -9.12     | 8.80   | A        | A         | A           | 1.45    |

TABLE 6. Evaluation Results for Cs-134 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 261     | 15.5       | 1.1       | -2.52     | 9.48   | A        | A         | A           | 0.40    |
| 262     | 16.4       | 2.13      | 3.14      | 14.43  | A        | A         | A           | 0.50    |
| 263     | 15.421     | 1.058     | -3.01     | 9.31   | A        | A         | A           | 0.48    |
| 264     | 15.5       | 1.5       | -2.52     | 11.54  | A        | A         | A           | 0.40    |
| 265     | 13.21      | 0.33      | -16.92    | 6.77   | A        | A         | A           | 2.69    |
| 266     | 15.44      | 0.66      | -2.89     | 7.60   | A        | A         | A           | 0.46    |
| 269     | 14.9       | 0.87      | -6.29     | 8.58   | A        | A         | A           | 1.00    |
| 271     | 15.9       | 1.4       | 0.00      | 10.82  | A        | A         | A           | 0.00    |
| 272     | 16.22      | 1.50      | 2.01      | 11.18  | A        | A         | A           | 0.32    |
| 273     | 15.8       | 0.7       | -0.63     | 7.69   | A        | A         | A           | 0.10    |
| 274     | 18.24      | 2.98      | 14.72     | 17.51  | A        | A         | A           | 2.34    |
| 276     | 14.15      | 0.96      | -11.01    | 9.25   | A        | A         | A           | 1.75    |
| 278     | 15.3       | 0.7       | -3.77     | 7.78   | A        | A         | A           | 0.60    |
| 281     | 15.1       | 0.8       | -5.03     | 8.22   | A        | A         | A           | 0.80    |
| 284     | 11.13      | 0.50      | -30.00    | 7.73   | N        | N         | N           | 4.77    |
| 285     | 13.71      | 0.94      | -13.77    | 9.30   | A        | A         | A           | 2.19    |
| 286     | 15.9       | 0.7       | 0.00      | 7.68   | A        | A         | A           | 0.00    |
| 287     | 13.215     | 0.49      | -16.89    | 7.30   | A        | A         | A           | 2.69    |
| 288     | 15.6       | 1.6       | -1.89     | 12.03  | A        | A         | A           | 0.30    |
| 289     | 15.8       | 1.0       | -0.63     | 8.92   | A        | A         | A           | 0.10    |
| 290     | 16.76      | 0.80      | 5.41      | 7.90   | A        | A         | A           | 0.86    |
| 292     | 16.0       | 2.2       | 0.63      | 15.12  | A        | A         | A           | 0.10    |
| 295     | 15.06      | 0.43      | -5.28     | 6.91   | A        | A         | A           | 0.84    |
| 296     | 15.5       | 0.6       | -2.52     | 7.39   | A        | A         | A           | 0.40    |
| 297     | 1.27       | 0.28      | -92.01    | 22.93  | N        | N         | N           | 14.63   |
| 298     | 15.71      | 0.19      | -1.19     | 6.40   | A        | A         | A           | 0.19    |
| 299     | 15.60      | 0.79      | -1.89     | 8.07   | A        | A         | A           | 0.30    |
| 301     | 15.2       | 0.4       | -4.40     | 6.82   | A        | A         | A           | 0.70    |
| 303     | 14.24      | 0.26      | -10.44    | 6.55   | A        | A         | A           | 1.66    |
| 304     | 14.7       | 0.23      | -7.55     | 6.48   | A        | A         | A           | 1.20    |
| 305     | 13.213     | 1.739     | -16.90    | 14.59  | A        | A         | A           | 2.69    |
| 306     | 15.7       | 0.5       | -1.26     | 7.05   | A        | A         | A           | 0.20    |
| 307     | 12.50      | 0.23      | -21.38    | 6.55   | N        | N         | N           | 3.40    |
| 309     | 15.55      | 1.524     | -2.20     | 11.65  | A        | A         | A           | 0.35    |
| 310     | 15.9       | 1.7       | 0.00      | 12.40  | A        | A         | A           | 0.00    |
| 312     | 16.52      | 0.68      | 3.90      | 7.52   | A        | A         | A           | 0.62    |
| 313     | 16.0       | 1.0       | 0.63      | 8.87   | A        | A         | A           | 0.10    |

## Reported Results for Cs-137 Determination in Sample 1

TABLE 7. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 24.2  |
| UNC, Bq/kg          | 1.5   |
| MARB, %             | 20    |

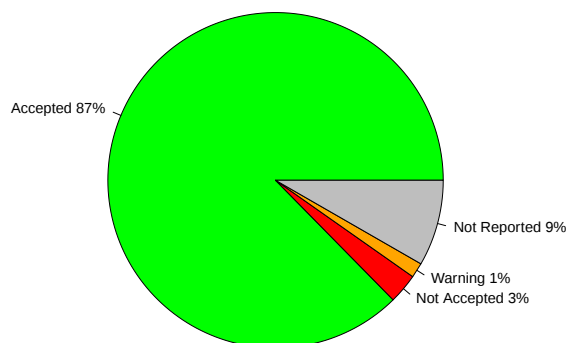


FIGURE 7. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

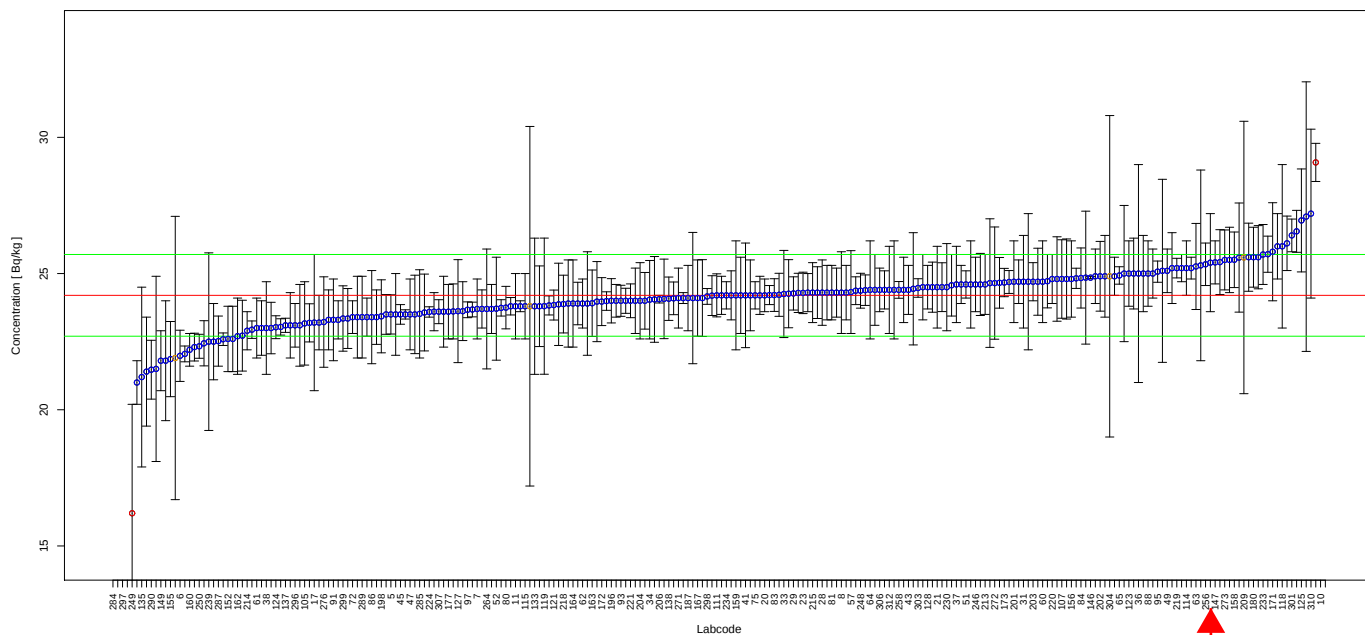


FIGURE 8. Reported results and evaluation parameters for Cs-137. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 8. Evaluation Results for Cs-137 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 24.5       | 0.92      | 1.24      | 7.25   | A        | A         | A           | 0.20    |
| 4       | 23.04      | 0.30      | -4.79     | 6.33   | A        | A         | A           | 0.77    |
| 5       | 23.5       | 0.72      | -2.89     | 6.91   | A        | A         | A           | 0.47    |
| 6       | 21.98      | 0.94      | -9.17     | 7.53   | A        | A         | A           | 1.48    |
| 7       | 23.7       | 1.1       | -2.07     | 7.74   | A        | A         | A           | 0.33    |
| 8       | 24.3       | 1.5       | 0.41      | 8.75   | A        | A         | A           | 0.07    |
| 9       | 26.11      | 1.00      | 7.89      | 7.29   | A        | A         | A           | 1.27    |
| 10      | 86.09      | 11.41     | 255.74    | 14.63  | N        | N         | N           | 41.26   |
| 11      | 23.8       | 1.2       | -1.65     | 7.99   | A        | A         | A           | 0.27    |
| 12      | 25.5       | 1.2       | 5.37      | 7.78   | A        | A         | A           | 0.87    |
| 13      | 23         | 1         | -4.96     | 7.57   | A        | A         | A           | 0.80    |
| 14      | 24.66      | 0.93      | 1.90      | 7.26   | A        | A         | A           | 0.31    |
| 16      | 24.37      | 0.51      | 0.70      | 6.54   | A        | A         | A           | 0.11    |
| 17      | 23.2       | 2.5       | -4.13     | 12.43  | A        | A         | A           | 0.67    |
| 18      | 23.57      | 1.41      | -2.60     | 8.61   | A        | A         | A           | 0.42    |
| 19      | 24.65      | 2.36      | 1.86      | 11.41  | A        | A         | A           | 0.30    |
| 20      | 24.2       | 0.6       | 0.00      | 6.68   | A        | A         | A           | 0.00    |
| 21      | 24.5       | 1.5       | 1.24      | 8.71   | A        | A         | A           | 0.20    |
| 22      | 24.825     | 0.371     | 2.58      | 6.38   | A        | A         | A           | 0.42    |
| 23      | 24.29      | 0.76      | 0.37      | 6.94   | A        | A         | A           | 0.06    |
| 24      | 24.3       | 0.9       | 0.41      | 7.22   | A        | A         | A           | 0.07    |
| 25      | 22.05      | 0.29      | -8.88     | 6.34   | A        | A         | A           | 1.43    |
| 26      | 24.9       | 1.5       | 2.89      | 8.64   | A        | A         | A           | 0.47    |
| 27      | 24.3       | 0.95      | 0.41      | 7.33   | A        | A         | A           | 0.07    |
| 28      | 24.3       | 1.2       | 0.41      | 7.93   | A        | A         | A           | 0.07    |
| 29      | 24.27      | 0.61      | 0.29      | 6.69   | A        | A         | A           | 0.05    |
| 31      | 24.7       | 1.7       | 2.07      | 9.26   | A        | A         | A           | 0.33    |
| 32      | 25.2       | 0.5       | 4.13      | 6.51   | A        | A         | A           | 0.67    |
| 33      | 24.25      | 1.60      | 0.21      | 9.05   | A        | A         | A           | 0.03    |
| 34      | 24.04      | 1.44      | -0.66     | 8.62   | A        | A         | A           | 0.11    |
| 35      | 24.5       | 1.2       | 1.24      | 7.90   | A        | A         | A           | 0.20    |
| 36      | 25         | 4         | 3.31      | 17.16  | A        | A         | A           | 0.53    |
| 37      | 24.6       | 1.4       | 1.65      | 8.41   | A        | A         | A           | 0.27    |
| 38      | 23         | 1.7       | -4.96     | 9.65   | A        | A         | A           | 0.80    |
| 39      | 24.0       | 1.2       | -0.83     | 7.96   | A        | A         | A           | 0.13    |
| 40      | 24.2       | 0.7       | 0.00      | 6.84   | A        | A         | A           | 0.00    |
| 41      | 24.2       | 1.92      | 0.00      | 10.07  | A        | A         | A           | 0.00    |
| 42      | 12.58      | 0.50      | -48.02    | 7.36   | N        | N         | N           | 7.75    |
| 43      | 24.4       | 0.9       | 0.83      | 7.21   | A        | A         | A           | 0.13    |
| 45      | 23.50      | 0.36      | -2.89     | 6.38   | A        | A         | A           | 0.47    |
| 46      | 23.4       | 1.0       | -3.31     | 7.53   | A        | A         | A           | 0.53    |
| 47      | 23.5       | 1.3       | -2.89     | 8.31   | A        | A         | A           | 0.47    |
| 49      | 25.1       | 0.8       | 3.72      | 6.97   | A        | A         | A           | 0.60    |
| 50      | 25.2       | 0.4       | 4.13      | 6.40   | A        | A         | A           | 0.67    |
| 51      | 24.6       | 0.5       | 1.65      | 6.52   | A        | A         | A           | 0.27    |
| 52      | 23.71      | 1.89      | -2.02     | 10.10  | A        | A         | A           | 0.33    |
| 53      | 29.08      | 0.70      | 20.17     | 6.65   | N        | N         | N           | 3.25    |
| 55      | 23.5       | 0.73      | -2.89     | 6.93   | A        | A         | A           | 0.47    |
| 56      | 22.6       | 1.2       | -6.61     | 8.16   | A        | A         | A           | 1.07    |
| 57      | 24.32      | 1.52      | 0.50      | 8.80   | A        | A         | A           | 0.08    |
| 58      | 23.99      | 0.34      | -0.87     | 6.36   | A        | A         | A           | 0.14    |
| 59      | 25.0       | 0.9       | 3.31      | 7.17   | A        | A         | A           | 0.53    |
| 60      | 24.7       | 1.5       | 2.07      | 8.68   | A        | A         | A           | 0.33    |

TABLE 8. Evaluation Results for Cs-137 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 61      | 23         | 1.1       | -4.96     | 7.83   | A        | A         | A           | 0.80    |
| 62      | 23.9       | 0.9       | -1.24     | 7.25   | A        | A         | A           | 0.20    |
| 63      | 25.26      | 1.58      | 4.38      | 8.81   | A        | A         | A           | 0.71    |
| 64      | 24.4       | 1.8       | 0.83      | 9.64   | A        | A         | A           | 0.13    |
| 65      | 24.93      | 0.32      | 3.02      | 6.33   | A        | A         | A           | 0.49    |
| 67      | 24.80      | 1.55      | 2.48      | 8.80   | A        | A         | A           | 0.40    |
| 68      | 24.3       | 1.0       | 0.41      | 7.44   | A        | A         | A           | 0.07    |
| 69      | 22.59      | 0.23      | -6.65     | 6.28   | A        | A         | A           | 1.07    |
| 70      | 24.6       | 0.7       | 1.65      | 6.82   | A        | A         | A           | 0.27    |
| 71      | 23.68      | 0.27      | -2.15     | 6.30   | A        | A         | A           | 0.35    |
| 72      | 23.4       | 0.6       | -3.31     | 6.71   | A        | A         | A           | 0.53    |
| 74      | 24.07      | 1.46      | -0.54     | 8.67   | A        | A         | A           | 0.09    |
| 75      | 24.2       | 0.5       | 0.00      | 6.53   | A        | A         | A           | 0.00    |
| 76      | 24.0       | 0.60      | -0.83     | 6.68   | A        | A         | A           | 0.13    |
| 77      | 24.6       | 1.14      | 1.65      | 7.74   | A        | A         | A           | 0.27    |
| 78      | 23.4       | 0.7       | -3.31     | 6.88   | A        | A         | A           | 0.53    |
| 79      | 26.0       | 1.2       | 7.44      | 7.73   | A        | A         | A           | 1.20    |
| 80      | 23.75      | 0.78      | -1.86     | 7.01   | A        | A         | A           | 0.30    |
| 81      | 24.3       | 1.0       | 0.41      | 7.44   | A        | A         | A           | 0.07    |
| 83      | 24.21      | 0.6       | 0.04      | 6.68   | A        | A         | A           | 0.01    |
| 84      | 24.837     | 1.103     | 2.63      | 7.63   | A        | A         | A           | 0.42    |
| 85      | 23.9       | 0.78      | -1.24     | 7.01   | A        | A         | A           | 0.20    |
| 86      | 23.4       | 1.71      | -3.31     | 9.58   | A        | A         | A           | 0.53    |
| 87      | 25.6       | 1.25      | 5.79      | 7.89   | A        | A         | A           | 0.93    |
| 88      | 25.0       | 1.2       | 3.31      | 7.84   | A        | A         | A           | 0.53    |
| 89      | 23.4       | 1.5       | -3.31     | 8.92   | A        | A         | A           | 0.53    |
| 90      | 23.5       | 1.44      | -2.89     | 8.72   | A        | A         | A           | 0.47    |
| 91      | 23.3       | 1.5       | -3.72     | 8.94   | A        | A         | A           | 0.60    |
| 92      | 24.22      | 0.79      | 0.08      | 7.00   | A        | A         | A           | 0.01    |
| 93      | 24.0       | 0.57      | -0.83     | 6.64   | A        | A         | A           | 0.13    |
| 95      | 25.07      | 0.39      | 3.60      | 6.39   | A        | A         | A           | 0.58    |
| 96      | 24.69      | 0.42      | 2.02      | 6.43   | A        | A         | A           | 0.33    |
| 97      | 23.67      | 0.29      | -2.19     | 6.32   | A        | A         | A           | 0.35    |
| 98      | 25.0       | 1.3       | 3.31      | 8.09   | A        | A         | A           | 0.53    |
| 99      | 24.10      | 2.41      | -0.41     | 11.77  | A        | A         | A           | 0.07    |
| 100     | 23.74      | 0.3       | -1.90     | 6.33   | A        | A         | A           | 0.31    |
| 101     | 25.0       | 2.5       | 3.31      | 11.77  | A        | A         | A           | 0.53    |
| 102     | 24.5       | 0.896     | 1.24      | 7.20   | A        | A         | A           | 0.20    |
| 103     | 24.7       | 1.23      | 2.07      | 7.95   | A        | A         | A           | 0.33    |
| 105     | 23.17      | 1.53      | -4.26     | 9.06   | A        | A         | A           | 0.69    |
| 106     | 22.44      | 0.829     | -7.27     | 7.22   | A        | A         | A           | 1.17    |
| 107     | 24.8       | 1.44      | 2.48      | 8.49   | A        | A         | A           | 0.40    |
| 109     | 23.70      | 0.90      | -2.07     | 7.27   | A        | A         | A           | 0.33    |
| 110     | 24.8       | 1.47      | 2.48      | 8.58   | A        | A         | A           | 0.40    |
| 111     | 24.2       | 0.79      | 0.00      | 7.01   | A        | A         | A           | 0.00    |
| 113     | 22.94      | 0.32      | -5.21     | 6.35   | A        | A         | A           | 0.84    |
| 114     | 25.2       | 1.0       | 4.13      | 7.36   | A        | A         | A           | 0.67    |
| 115     | 23.8       | 1.2       | -1.65     | 7.99   | A        | A         | A           | 0.27    |
| 117     | 23.5       | 1.5       | -2.89     | 8.90   | A        | A         | A           | 0.47    |
| 118     | 26         | 3         | 7.44      | 13.10  | A        | A         | A           | 1.20    |
| 119     | 23.803     | 2.499     | -1.64     | 12.19  | A        | A         | A           | 0.26    |
| 120     | 23.7       | 0.7       | -2.07     | 6.87   | A        | A         | A           | 0.33    |
| 121     | 23.844     | 0.55      | -1.47     | 6.61   | A        | A         | A           | 0.24    |
| 123     | 25.0       | 1.2       | 3.31      | 7.84   | A        | A         | A           | 0.53    |

TABLE 8. Evaluation Results for Cs-137 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 124     | 23.03      | 0.42      | -4.83     | 6.46   | A        | A         | A           | 0.78    |
| 125     | 26.95      | 1.89      | 11.36     | 9.36   | A        | A         | A           | 1.83    |
| 126     | 25.4       | 1.8       | 4.96      | 9.41   | A        | A         | A           | 0.80    |
| 127     | 23.62      | 1.89      | -2.40     | 10.12  | A        | A         | A           | 0.39    |
| 128     | 24.5       | 0.8       | 1.24      | 7.01   | A        | A         | A           | 0.20    |
| 129     | 23.1       | 1.2       | -4.55     | 8.09   | A        | A         | A           | 0.73    |
| 130     | 23.8       | 0.2       | -1.65     | 6.26   | A        | A         | A           | 0.27    |
| 132     | 22.5       | 1.4       | -7.02     | 8.78   | A        | A         | A           | 1.13    |
| 133     | 23.8       | 2.5       | -1.65     | 12.20  | A        | A         | A           | 0.27    |
| 134     | 24.9       | 0.7       | 2.89      | 6.81   | A        | A         | A           | 0.47    |
| 135     | 21.2       | 3.3       | -12.40    | 16.75  | A        | A         | A           | 2.00    |
| 136     | 23.6       | 1.3       | -2.48     | 8.29   | A        | A         | A           | 0.40    |
| 137     | 23.10      | 0.26      | -4.55     | 6.30   | A        | A         | A           | 0.73    |
| 138     | 24.076     | 0.796     | -0.51     | 7.02   | A        | A         | A           | 0.08    |
| 139     | 23.8       | 0.32      | -1.65     | 6.34   | A        | A         | A           | 0.27    |
| 140     | 23.9       | 1.9       | -1.24     | 10.08  | A        | A         | A           | 0.20    |
| 143     | 25.6       | 1.16      | 5.79      | 7.68   | A        | A         | A           | 0.93    |
| 145     | 24.7       | 0.8       | 2.07      | 6.99   | A        | A         | A           | 0.33    |
| 146     | 24.85      | 0.0368    | 2.69      | 6.20   | A        | A         | A           | 0.43    |
| 147     | 25.41      | 0.79      | 5.00      | 6.93   | A        | A         | A           | 0.81    |
| 148     | 24.09      | 0.60      | -0.45     | 6.68   | A        | A         | A           | 0.07    |
| 149     | 21.8       | 1.1       | -9.92     | 7.99   | A        | A         | A           | 1.60    |
| 150     | 24.051     | 1.574     | -0.62     | 9.01   | A        | A         | A           | 0.10    |
| 152     | 22.6       | 1.2       | -6.61     | 8.16   | A        | A         | A           | 1.07    |
| 153     | 24.3       | 0.7       | 0.41      | 6.84   | A        | A         | A           | 0.07    |
| 154     | 23.62      | 1.08      | -2.40     | 7.70   | A        | A         | A           | 0.39    |
| 155     | 21.86      | 1.38      | -9.67     | 8.85   | A        | A         | A           | 1.56    |
| 156     | 24.8       | 1.4       | 2.48      | 8.38   | A        | A         | A           | 0.40    |
| 157     | 24.4       | 1.8       | 0.83      | 9.64   | A        | A         | A           | 0.13    |
| 158     | 25.505     | 1.020     | 5.39      | 7.38   | A        | A         | A           | 0.87    |
| 159     | 24.2       | 2.0       | 0.00      | 10.33  | A        | A         | A           | 0.00    |
| 160     | 22.2       | 0.6       | -8.26     | 6.76   | A        | A         | A           | 1.33    |
| 161     | 23.35      | 1.1       | -3.51     | 7.79   | A        | A         | A           | 0.57    |
| 162     | 22.7       | 1.4       | -6.20     | 8.74   | A        | A         | A           | 1.00    |
| 163     | 23.91      | 1.22      | -1.20     | 8.03   | A        | A         | A           | 0.19    |
| 164     | 23.9       | 1.6       | -1.24     | 9.12   | A        | A         | A           | 0.20    |
| 165     | 24.19      | 0.73      | -0.04     | 6.89   | A        | A         | A           | 0.01    |
| 166     | 23.6       | 0.7       | -2.48     | 6.87   | A        | A         | A           | 0.40    |
| 167     | 24.1       | 1.4       | -0.41     | 8.50   | A        | A         | A           | 0.07    |
| 168     | 26.55      | 0.77      | 9.71      | 6.84   | A        | A         | A           | 1.57    |
| 169     | 24.72      | 0.98      | 2.15      | 7.36   | A        | A         | A           | 0.35    |
| 171     | 25.8       | 1.8       | 6.61      | 9.33   | A        | A         | A           | 1.07    |
| 172     | 23.97      | 0.88      | -0.95     | 7.20   | A        | A         | A           | 0.15    |
| 173     | 24.67      | 0.52      | 1.94      | 6.55   | A        | A         | A           | 0.31    |
| 175     | 24.4       | 1.2       | 0.83      | 7.91   | A        | A         | A           | 0.13    |
| 177     | 23.6       | 1.0       | -2.48     | 7.51   | A        | A         | A           | 0.40    |
| 178     | 23.1       | 1.5       | -4.55     | 8.98   | A        | A         | A           | 0.73    |
| 179     | 25.710     | 0.66347   | 6.24      | 6.71   | A        | A         | A           | 1.01    |
| 180     | 25.6       | 1.1       | 5.79      | 7.54   | A        | A         | A           | 0.93    |
| 182     | 24.3       | 1.0       | 0.41      | 7.44   | A        | A         | A           | 0.07    |
| 183     | 23.19      | 0.70      | -4.17     | 6.89   | A        | A         | A           | 0.67    |
| 184     | 24.2       | 0.9       | 0.00      | 7.23   | A        | A         | A           | 0.00    |
| 185     | 21.5       | 3.4       | -11.16    | 16.99  | A        | A         | A           | 1.80    |
| 186     | 23.8       | 6.6       | -1.65     | 28.42  | A        | N         | W           | 0.27    |

TABLE 8. Evaluation Results for Cs-137 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 187     | 24.1       | 1.2       | -0.41     | 7.95   | A        | A         | A           | 0.07    |
| 188     | 23.8       | 1.48      | -1.65     | 8.78   | A        | A         | A           | 0.27    |
| 189     | 24.44      | 2.06      | 0.99      | 10.46  | A        | A         | A           | 0.16    |
| 191     | 24.2       | 0.7       | 0.00      | 6.84   | A        | A         | A           | 0.00    |
| 192     | 24.00      | 1.04      | -0.83     | 7.56   | A        | A         | A           | 0.13    |
| 193     | 2.798      | 0.184     | -88.44    | 9.04   | N        | N         | N           | 14.27   |
| 194     | 90         | 5         | 271.90    | 8.32   | N        | N         | N           | 43.87   |
| 195     | 21.0       | 0.8       | -13.22    | 7.28   | A        | A         | A           | 2.13    |
| 196     | 24         | 0.813     | -0.83     | 7.06   | A        | A         | A           | 0.13    |
| 197     | 21.9       | 5.2       | -9.50     | 24.54  | A        | N         | W           | 1.53    |
| 198     | 23.43      | 1.34      | -3.18     | 8.43   | A        | A         | A           | 0.51    |
| 201     | 24.7       | 1.5       | 2.07      | 8.68   | A        | A         | A           | 0.33    |
| 202     | 24.9       | 1.28      | 2.89      | 8.05   | A        | A         | A           | 0.47    |
| 203     | 24.7       | 0.7       | 2.07      | 6.82   | A        | A         | A           | 0.33    |
| 204     | 24.0       | 1.4       | -0.83     | 8.51   | A        | A         | A           | 0.13    |
| 206     | 24.06      | 0.14      | -0.58     | 6.23   | A        | A         | A           | 0.09    |
| 207     | 24.29      | 0.72      | 0.37      | 6.87   | A        | A         | A           | 0.06    |
| 209     | 25.59      | 5         | 5.74      | 20.50  | A        | N         | W           | 0.93    |
| 210     | 25.2       | 1.3       | 4.13      | 8.06   | A        | A         | A           | 0.67    |
| 213     | 24.6       | 1.1       | 1.65      | 7.64   | A        | A         | A           | 0.27    |
| 214     | 22.9       | 0.7       | -5.37     | 6.91   | A        | A         | A           | 0.87    |
| 215     | 24.3       | 1.1       | 0.41      | 7.68   | A        | A         | A           | 0.07    |
| 216     | 24.1       | 0.2       | -0.41     | 6.25   | A        | A         | A           | 0.07    |
| 217     | 25.0       | 1.4       | 3.31      | 8.35   | A        | A         | A           | 0.53    |
| 218     | 23.88      | 1.06      | -1.32     | 7.62   | A        | A         | A           | 0.21    |
| 219     | 25.2       | 0.36      | 4.13      | 6.36   | A        | A         | A           | 0.67    |
| 220     | 24.8       | 0.9       | 2.48      | 7.18   | A        | A         | A           | 0.40    |
| 221     | 24.00      | 0.62      | -0.83     | 6.72   | A        | A         | A           | 0.13    |
| 222     | 23.2       | 1.0       | -4.13     | 7.55   | A        | A         | A           | 0.67    |
| 223     | 23.5       | 0.17      | -2.89     | 6.24   | A        | A         | A           | 0.47    |
| 224     | 23.59      | 0.19      | -2.52     | 6.25   | A        | A         | A           | 0.41    |
| 226     | 23.0       | 0.945     | -4.96     | 7.44   | A        | A         | A           | 0.80    |
| 227     | 24.39      | 0.56      | 0.79      | 6.61   | A        | A         | A           | 0.13    |
| 228     | 24.7       | 2.5       | 2.07      | 11.87  | A        | A         | A           | 0.33    |
| 230     | 24.5       | 1.6       | 1.24      | 9.00   | A        | A         | A           | 0.20    |
| 231     | 21.4       | 2.0       | -11.57    | 11.21  | A        | A         | A           | 1.87    |
| 233     | 25.7       | 1.1       | 6.20      | 7.53   | A        | A         | A           | 1.00    |
| 234     | 24.20      | 0.50      | 0.00      | 6.53   | A        | A         | A           | 0.00    |
| 235     | 24.0       | 0.46      | -0.83     | 6.49   | A        | A         | A           | 0.13    |
| 237     | 24.21      | 0.35      | 0.04      | 6.36   | A        | A         | A           | 0.01    |
| 238     | 23.3       | 0.7       | -3.72     | 6.89   | A        | A         | A           | 0.60    |
| 239     | 22.5       | 3.26      | -7.02     | 15.76  | A        | A         | A           | 1.13    |
| 241     | 22.72      | 1.30      | -6.12     | 8.44   | A        | A         | A           | 0.99    |
| 243     | 24.57      | 1.13      | 1.53      | 7.72   | A        | A         | A           | 0.25    |
| 244     | 23.9       | 1.6       | -1.24     | 9.12   | A        | A         | A           | 0.20    |
| 246     | 24.6       | 1.0       | 1.65      | 7.41   | A        | A         | A           | 0.27    |
| 247     | 23.3       | 1.1       | -3.72     | 7.79   | A        | A         | A           | 0.60    |
| 248     | 24.37      | 0.64      | 0.70      | 6.73   | A        | A         | A           | 0.11    |
| 249     | 16.2       | 4         | -33.06    | 25.46  | N        | N         | N           | 5.33    |
| 250     | 22.33      | 0.44      | -7.73     | 6.50   | A        | A         | A           | 1.25    |
| 251     | 23.61      | 1.01      | -2.44     | 7.53   | A        | A         | A           | 0.39    |
| 253     | 23.83      | 0.35      | -1.53     | 6.37   | A        | A         | A           | 0.25    |
| 255     | 24.4       | 0.7       | 0.83      | 6.83   | A        | A         | A           | 0.13    |
| 256     | 25.34      | 0.78      | 4.71      | 6.92   | A        | A         | A           | 0.76    |

TABLE 8. Evaluation Results for Cs-137 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 258     | 24.4       | 0.307     | 0.83      | 6.32   | A        | A         | A           | 0.13    |
| 259     | 25.42      | 1.19      | 5.04      | 7.77   | A        | A         | A           | 0.81    |
| 261     | 24.2       | 1.4       | 0.00      | 8.48   | A        | A         | A           | 0.00    |
| 262     | 25.1       | 3.36      | 3.72      | 14.75  | A        | A         | A           | 0.60    |
| 263     | 23.970     | 1.470     | -0.95     | 8.72   | A        | A         | A           | 0.15    |
| 264     | 23.7       | 2.2       | -2.07     | 11.16  | A        | A         | A           | 0.33    |
| 265     | 22.30      | 0.51      | -7.85     | 6.61   | A        | A         | A           | 1.27    |
| 266     | 23.87      | 1.51      | -1.36     | 8.86   | A        | A         | A           | 0.22    |
| 269     | 24.1       | 1.41      | -0.41     | 8.52   | A        | A         | A           | 0.07    |
| 271     | 24.1       | 1.1       | -0.41     | 7.70   | A        | A         | A           | 0.07    |
| 272     | 24.65      | 2.06      | 1.86      | 10.40  | A        | A         | A           | 0.30    |
| 273     | 25.5       | 1.1       | 5.37      | 7.55   | A        | A         | A           | 0.87    |
| 274     | 27.09      | 4.948     | 11.94     | 19.29  | A        | A         | A           | 1.93    |
| 276     | 23.22      | 1.66      | -4.05     | 9.46   | A        | A         | A           | 0.65    |
| 278     | 24.2       | 1.3       | 0.00      | 8.20   | A        | A         | A           | 0.00    |
| 281     | 24.4       | 1.3       | 0.83      | 8.17   | A        | A         | A           | 0.13    |
| 284     | 2.24       | 0.99      | -90.74    | 44.63  | N        | N         | N           | 14.64   |
| 285     | 23.52      | 1.62      | -2.81     | 9.27   | A        | A         | A           | 0.45    |
| 286     | 24.9       | 1.0       | 2.89      | 7.39   | A        | A         | A           | 0.47    |
| 287     | 22.52      | 0.92      | -6.94     | 7.42   | A        | A         | A           | 1.12    |
| 288     | 21.8       | 2.2       | -9.92     | 11.84  | A        | A         | A           | 1.60    |
| 289     | 23.4       | 1.5       | -3.31     | 8.92   | A        | A         | A           | 0.53    |
| 290     | 21.47      | 1.08      | -11.28    | 7.98   | A        | A         | A           | 1.82    |
| 292     | 25.3       | 3.5       | 4.55      | 15.16  | A        | A         | A           | 0.73    |
| 295     | 24.26      | 1.25      | 0.25      | 8.06   | A        | A         | A           | 0.04    |
| 296     | 23.1       | 0.8       | -4.55     | 7.10   | A        | A         | A           | 0.73    |
| 297     | 3.64       | 0.05      | -84.96    | 6.35   | N        | N         | N           | 13.71   |
| 298     | 24.16      | 0.29      | -0.17     | 6.31   | A        | A         | A           | 0.03    |
| 299     | 23.35      | 1.20      | -3.51     | 8.05   | A        | A         | A           | 0.57    |
| 301     | 26.4       | 0.6       | 9.09      | 6.60   | A        | A         | A           | 1.47    |
| 303     | 24.47      | 0.34      | 1.12      | 6.35   | A        | A         | A           | 0.18    |
| 304     | 24.9       | 5.9       | 2.89      | 24.49  | A        | N         | W           | 0.47    |
| 305     | 25.587     | 2.003     | 5.73      | 9.98   | A        | A         | A           | 0.92    |
| 306     | 24.4       | 0.8       | 0.83      | 7.01   | A        | A         | A           | 0.13    |
| 307     | 23.60      | 0.44      | -2.48     | 6.47   | A        | A         | A           | 0.40    |
| 309     | 24.85      | 2.440     | 2.69      | 11.61  | A        | A         | A           | 0.43    |
| 310     | 27.2       | 3.1       | 12.40     | 12.97  | A        | A         | A           | 2.00    |
| 312     | 24.4       | 1.6       | 0.83      | 9.02   | A        | A         | A           | 0.13    |
| 313     | 24.6       | 1.6       | 1.65      | 8.98   | A        | A         | A           | 0.27    |

## Reported Results for Po-210 Determination in Sample 1

TABLE 9. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 31.6  |
| UNC, Bq/kg          | 1.9   |
| MARB, %             | 30    |

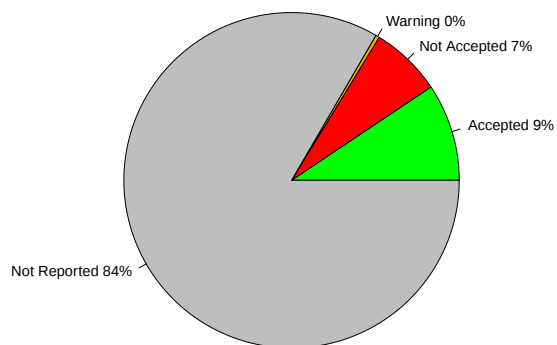


FIGURE 9. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

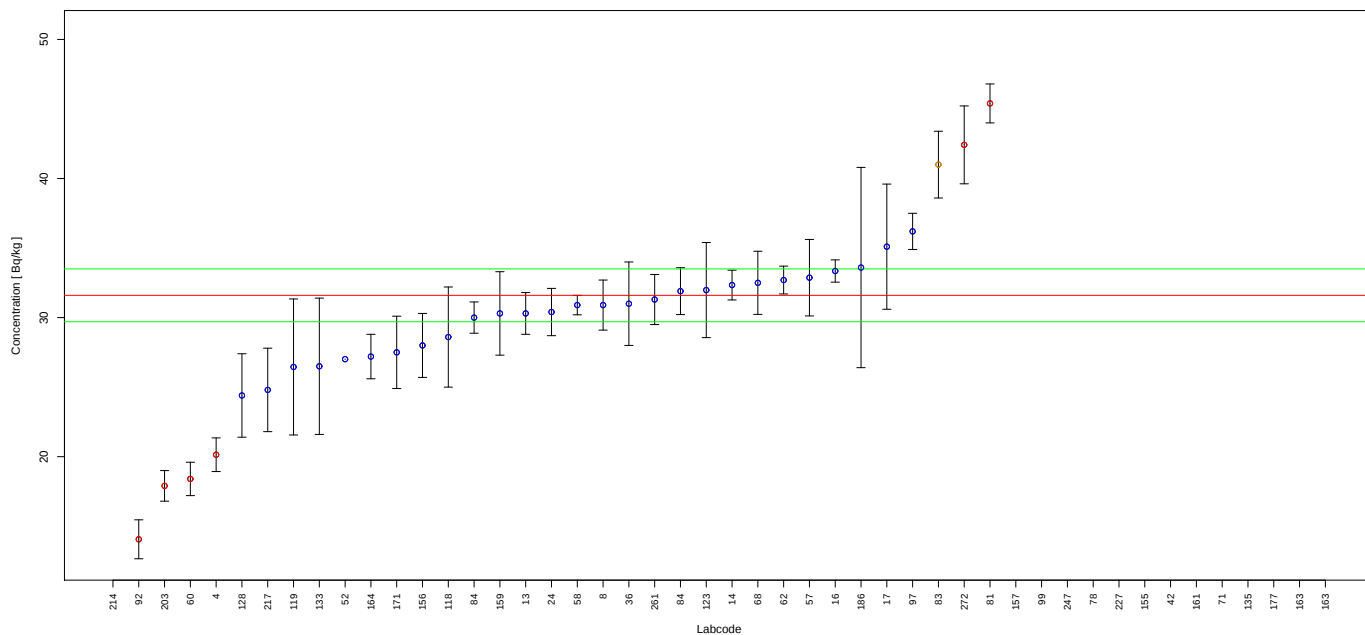


FIGURE 10. Reported results and evaluation parameters for Po-210. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 10. Evaluation Results for Po-210 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 20.14      | 1.21      | -36.27    | 8.50   | N        | N         | N           | 6.03    |
| 8       | 30.9       | 1.8       | -2.22     | 8.37   | A        | A         | A           | 0.37    |
| 13      | 30.3       | 1.5       | -4.11     | 7.79   | A        | A         | A           | 0.68    |
| 14      | 32.34      | 1.07      | 2.34      | 6.86   | A        | A         | A           | 0.39    |
| 16      | 33.35      | 0.8       | 5.54      | 6.47   | A        | A         | A           | 0.92    |
| 17      | 35.1       | 4.5       | 11.08     | 14.16  | A        | A         | A           | 1.84    |
| 24      | 30.4       | 1.7       | -3.80     | 8.21   | A        | A         | A           | 0.63    |
| 36      | 31         | 3         | -1.90     | 11.39  | A        | A         | A           | 0.32    |
| 42      | 99.59      | 10.72     | 215.16    | 12.33  | N        | N         | N           | 35.78   |
| 52      | 27.01      | 0.0047    | -14.53    | 6.01   | A        | A         | A           | 2.42    |
| 57      | 32.87      | 2.75      | 4.02      | 10.30  | A        | A         | A           | 0.67    |
| 58      | 30.9       | 0.7       | -2.22     | 6.43   | A        | A         | A           | 0.37    |
| 60      | 18.4       | 1.2       | -41.77    | 8.87   | N        | N         | N           | 6.95    |
| 62      | 32.7       | 1.0       | 3.48      | 6.75   | A        | A         | A           | 0.58    |
| 68      | 32.5       | 2.27      | 2.85      | 9.22   | A        | A         | A           | 0.47    |
| 71      | 103.5      | 2.62      | 227.53    | 6.52   | N        | N         | N           | 37.84   |
| 78      | 86.83      | 5.54      | 174.78    | 8.77   | N        | N         | N           | 29.07   |
| 81      | 45.4       | 1.4       | 43.67     | 6.76   | N        | N         | N           | 7.26    |
| 83      | 41.0       | 2.4       | 29.75     | 8.39   | A        | N         | W           | 4.95    |
| 84      | 30.001     | 1.124     | -5.06     | 7.08   | A        | A         | A           | 0.84    |
| 84      | 31.902     | 1.684     | 0.96      | 8.00   | A        | A         | A           | 0.16    |
| 92      | 14.06      | 1.4       | -55.51    | 11.63  | N        | N         | N           | 9.23    |
| 97      | 36.2       | 1.3       | 14.56     | 7.00   | A        | A         | A           | 2.42    |
| 99      | 82.46      | 15.67     | 160.95    | 19.93  | N        | N         | N           | 26.77   |
| 118     | 28.6       | 3.6       | -9.49     | 13.95  | A        | A         | A           | 1.58    |
| 119     | 26.45      | 4.89      | -16.30    | 19.44  | A        | A         | A           | 2.71    |
| 123     | 31.98      | 3.42      | 1.20      | 12.27  | A        | A         | A           | 0.20    |
| 128     | 24.4       | 3.0       | -22.78    | 13.69  | A        | A         | A           | 3.79    |
| 133     | 26.5       | 4.9       | -16.14    | 19.44  | A        | A         | A           | 2.68    |
| 135     | 105        | 6         | 232.28    | 8.29   | N        | N         | N           | 38.63   |
| 155     | 90.82      | 4.99      | 187.41    | 8.14   | N        | N         | N           | 31.17   |
| 156     | 28.0       | 2.3       | -11.39    | 10.18  | A        | A         | A           | 1.89    |
| 157     | 80.8       | 11.1      | 155.70    | 15.00  | N        | N         | N           | 25.89   |
| 159     | 30.3       | 3.0       | -4.11     | 11.58  | A        | A         | A           | 0.68    |
| 161     | 100.7      | 0.7       | 218.67    | 6.05   | N        | N         | N           | 36.37   |
| 163     | 118.6      | 10.10     | 275.32    | 10.42  | N        | N         | N           | 45.79   |
| 163     | 118.60     | 10.10     | 275.32    | 10.42  | N        | N         | N           | 45.79   |
| 164     | 27.2       | 1.6       | -13.92    | 8.41   | A        | A         | A           | 2.32    |
| 171     | 27.5       | 2.6       | -12.97    | 11.20  | A        | A         | A           | 2.16    |
| 177     | 111.4      | 10.4      | 252.53    | 11.10  | N        | N         | N           | 42.00   |
| 186     | 33.6       | 7.2       | 6.33      | 22.26  | A        | A         | A           | 1.05    |
| 203     | 17.9       | 1.1       | -43.35    | 8.60   | N        | N         | N           | 7.21    |
| 214     | 7.41       | 0.13      | -76.55    | 6.26   | N        | N         | N           | 12.73   |
| 217     | 24.8       | 3.0       | -21.52    | 13.51  | A        | A         | A           | 3.58    |
| 227     | 90.2       | 7         | 185.44    | 9.82   | N        | N         | N           | 30.84   |
| 247     | 83.9       | 12.8      | 165.51    | 16.40  | N        | N         | N           | 27.53   |
| 261     | 31.3       | 1.8       | -0.95     | 8.32   | A        | A         | A           | 0.16    |
| 272     | 42.42      | 2.8       | 34.24     | 8.93   | N        | N         | N           | 5.69    |

## Reported Results for Pb-210 Determination in Sample 1

TABLE 11. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 31.3  |
| UNC, Bq/kg          | 1.9   |
| MARB, %             | 30    |

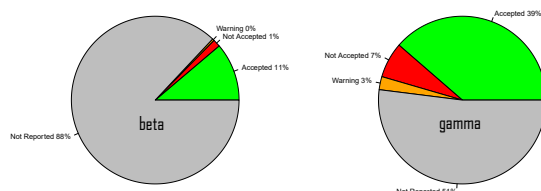


FIGURE 11. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

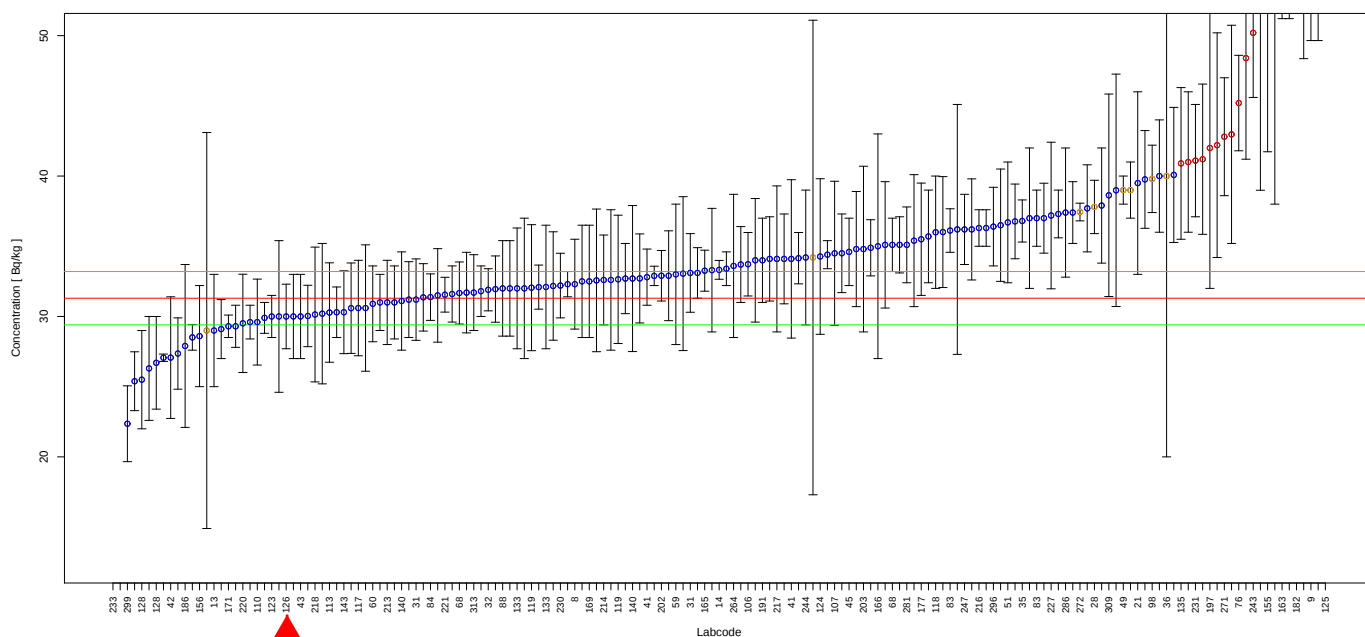


FIGURE 12. Reported results and evaluation parameters for Pb-210. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 12. Evaluation Results for Pb-210 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 28.51      | 0.91      | -8.91     | 6.86   | A        | A         | A           | 1.47    |
| 8       | 31.6       | 2.0       | 0.96      | 8.77   | A        | A         | A           | 0.16    |
| 8       | 32.3       | 3.2       | 3.19      | 11.62  | A        | A         | A           | 0.53    |
| 9       | 62.42      | 12.77     | 99.42     | 21.34  | N        | N         | N           | 16.38   |
| 9       | 62.42      | 12.77     | 99.42     | 21.34  | N        | N         | N           | 16.38   |
| 13      | 29         | 4         | -7.35     | 15.07  | A        | A         | A           | 1.21    |
| 14      | 33.32      | 0.67      | 6.45      | 6.39   | A        | A         | A           | 1.06    |
| 14      | 32.09      | 1.57      | 2.52      | 7.80   | A        | A         | A           | 0.42    |

TABLE 12. Evaluation Results for Pb-210 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 16      | 36.01      | 3.95      | 15.05     | 12.54  | A        | A         | A           | 2.48    |
| 17      | 35.1       | 4.5       | 12.14     | 14.18  | A        | A         | A           | 2.00    |
| 17      | 34.0       | 4.4       | 8.63      | 14.29  | A        | A         | A           | 1.42    |
| 18      | 32.71      | 3.17      | 4.50      | 11.44  | A        | A         | A           | 0.74    |
| 20      | 30.3       | 1.8       | -3.19     | 8.49   | A        | A         | A           | 0.53    |
| 21      | 39.5       | 6.5       | 26.20     | 17.54  | A        | A         | A           | 4.32    |
| 24      | 29.3       | 1.5       | -6.39     | 7.94   | A        | A         | A           | 1.05    |
| 24      | 36.5       | 4.0       | 16.61     | 12.53  | A        | A         | A           | 2.74    |
| 28      | 37.8       | 1.9       | 20.77     | 7.88   | A        | N         | W           | 3.42    |
| 31      | 31.2       | 2.9       | -0.32     | 11.10  | A        | A         | A           | 0.05    |
| 31      | 33.1       | 2.8       | 5.75      | 10.41  | A        | A         | A           | 0.95    |
| 32      | 31.9       | 1.5       | 1.92      | 7.68   | A        | A         | A           | 0.32    |
| 35      | 36.8       | 1.5       | 17.57     | 7.31   | A        | A         | A           | 2.89    |
| 36      | 40         | 20        | 27.80     | 50.37  | A        | N         | W           | 4.58    |
| 41      | 32.8       | 2         | 4.79      | 8.60   | A        | A         | A           | 0.79    |
| 41      | 34.1       | 5.64      | 8.95      | 17.62  | A        | A         | A           | 1.47    |
| 42      | 27.07      | 4.33      | -13.51    | 17.11  | A        | A         | A           | 2.23    |
| 43      | 30.0       | 3.0       | -4.15     | 11.70  | A        | A         | A           | 0.68    |
| 45      | 34.6       | 2.4       | 10.54     | 9.22   | A        | A         | A           | 1.74    |
| 49      | 39         | 1         | 24.60     | 6.59   | A        | N         | W           | 4.05    |
| 50      | 39         | 2         | 24.60     | 7.95   | A        | N         | W           | 4.05    |
| 51      | 36.7       | 4.3       | 17.25     | 13.20  | A        | A         | A           | 2.84    |
| 52      | 34.89      | 2.0       | 11.47     | 8.35   | A        | A         | A           | 1.89    |
| 57      | 32.57      | 5.08      | 4.06      | 16.74  | A        | A         | A           | 0.67    |
| 58      | 34.5       | 2.8       | 10.22     | 10.13  | A        | A         | A           | 1.68    |
| 59      | 33.0       | 5.0       | 5.43      | 16.32  | A        | A         | A           | 0.89    |
| 60      | 30.9       | 2.7       | -1.28     | 10.64  | A        | A         | A           | 0.21    |
| 60      | 36.2       | 3.6       | 15.65     | 11.65  | A        | A         | A           | 2.58    |
| 62      | 34.4       | 1.0       | 9.90      | 6.73   | A        | A         | A           | 1.63    |
| 67      | 30.59      | 3.22      | -2.27     | 12.15  | A        | A         | A           | 0.37    |
| 68      | 31.67      | 2.21      | 1.18      | 9.25   | A        | A         | A           | 0.19    |
| 68      | 35.1       | 1.9       | 12.14     | 8.13   | A        | A         | A           | 2.00    |
| 69      | 26.30      | 3.70      | -15.97    | 15.32  | A        | A         | A           | 2.63    |
| 71      | 32.89      | 0.69      | 5.08      | 6.42   | A        | A         | A           | 0.84    |
| 74      | 33.05      | 5.48      | 5.59      | 17.66  | A        | A         | A           | 0.92    |
| 76      | 45.2       | 3.40      | 44.41     | 9.67   | N        | N         | N           | 7.32    |
| 78      | 33.7       | 2.7       | 7.67      | 10.05  | A        | A         | A           | 1.26    |
| 81      | 34.1       | 3.2       | 8.95      | 11.18  | A        | A         | A           | 1.47    |
| 83      | 37.0       | 2.0       | 18.21     | 8.13   | A        | A         | A           | 3.00    |
| 83      | 36.12      | 1.55      | 15.40     | 7.43   | A        | A         | A           | 2.54    |
| 84      | 31.378     | 1.656     | 0.25      | 8.04   | A        | A         | A           | 0.04    |
| 87      | 31.2       | 2.7       | -0.32     | 10.57  | A        | A         | A           | 0.05    |
| 88      | 32         | 3.4       | 2.24      | 12.24  | A        | A         | A           | 0.37    |
| 88      | 32.0       | 3.4       | 2.24      | 12.24  | A        | A         | A           | 0.37    |
| 94      | 37.4       | 2.2       | 19.49     | 8.45   | A        | A         | A           | 3.21    |
| 96      | 29.0       | 14.1      | -7.35     | 49.00  | A        | N         | W           | 1.21    |
| 98      | 39.8       | 2.4       | 27.16     | 8.56   | A        | N         | W           | 4.47    |
| 101     | 40.0       | 4         | 27.80     | 11.70  | A        | A         | A           | 4.58    |
| 104     | 27.36      | 2.54      | -12.59    | 11.09  | A        | A         | A           | 2.07    |
| 106     | 33.72      | 2.26      | 7.73      | 9.04   | A        | A         | A           | 1.27    |
| 107     | 34.5       | 5.13      | 10.22     | 16.06  | A        | A         | A           | 1.68    |
| 110     | 29.6       | 3.06      | -5.43     | 11.99  | A        | A         | A           | 0.89    |
| 111     | 31.7       | 2.87      | 1.28      | 10.90  | A        | A         | A           | 0.21    |
| 113     | 30.28      | 3.54      | -3.26     | 13.17  | A        | A         | A           | 0.54    |

TABLE 12. Evaluation Results for Pb-210 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 114     | 56.7       | 8.34      | 81.15     | 15.91  | N        | N         | N           | 13.37   |
| 115     | 35.1       | 2.0       | 12.14     | 8.33   | A        | A         | A           | 2.00    |
| 117     | 30.6       | 3.4       | -2.24     | 12.66  | A        | A         | A           | 0.37    |
| 118     | 36         | 4         | 15.02     | 12.66  | A        | A         | A           | 2.47    |
| 118     | 30         | 3         | -4.15     | 11.70  | A        | A         | A           | 0.68    |
| 119     | 32.050     | 4.487     | 2.40      | 15.26  | A        | A         | A           | 0.39    |
| 119     | 32.643     | 4.570     | 4.29      | 15.26  | A        | A         | A           | 0.71    |
| 120     | 33.3       | 4.4       | 6.39      | 14.54  | A        | A         | A           | 1.05    |
| 121     | 34.152     | 1.828     | 9.11      | 8.09   | A        | A         | A           | 1.50    |
| 123     | 30.0       | 1.5       | -4.15     | 7.86   | A        | A         | A           | 0.68    |
| 124     | 34.27      | 5.54      | 9.49      | 17.27  | A        | A         | A           | 1.56    |
| 125     | 65.46      | 3.27      | 109.14    | 7.86   | N        | N         | N           | 17.98   |
| 126     | 30         | 2.3       | -4.15     | 9.78   | A        | A         | A           | 0.68    |
| 127     | 30         | 5.4       | -4.15     | 19.00  | A        | A         | A           | 0.68    |
| 128     | 26.7       | 3.3       | -14.70    | 13.77  | A        | A         | A           | 2.42    |
| 128     | 25.5       | 3.5       | -18.53    | 15.01  | A        | A         | A           | 3.05    |
| 129     | 34.2       | 16.9      | 9.27      | 49.79  | A        | N         | W           | 1.53    |
| 130     | 27.06      | 0.26      | -13.55    | 6.15   | A        | A         | A           | 2.23    |
| 132     | 30.6       | 4.5       | -2.24     | 15.91  | A        | A         | A           | 0.37    |
| 133     | 32.1       | 4.4       | 2.56      | 14.99  | A        | A         | A           | 0.42    |
| 133     | 32.0       | 4.3       | 2.24      | 14.74  | A        | A         | A           | 0.37    |
| 135     | 41         | 5         | 30.99     | 13.62  | N        | A         | N           | 5.11    |
| 135     | 40.9       | 5.4       | 30.67     | 14.53  | N        | A         | N           | 5.05    |
| 136     | 37.9       | 4.1       | 21.09     | 12.40  | A        | A         | A           | 3.47    |
| 138     | 38.984     | 8.276     | 24.55     | 22.08  | A        | A         | A           | 4.04    |
| 139     | 33.4       | 1.2       | 6.71      | 7.05   | A        | A         | A           | 1.11    |
| 140     | 31.1       | 3.5       | -0.64     | 12.79  | A        | A         | A           | 0.11    |
| 140     | 32.7       | 5.2       | 4.47      | 17.02  | A        | A         | A           | 0.74    |
| 143     | 30.3       | 2.95      | -3.19     | 11.47  | A        | A         | A           | 0.53    |
| 145     | 31         | 2         | -0.96     | 8.86   | A        | A         | A           | 0.16    |
| 148     | 32.9       | 3.2       | 5.11      | 11.47  | A        | A         | A           | 0.84    |
| 149     | 48.4       | 7.2       | 54.63     | 16.07  | N        | N         | N           | 9.00    |
| 150     | 30.036     | 2.187     | -4.04     | 9.48   | A        | A         | A           | 0.67    |
| 153     | 35.4       | 4.7       | 13.10     | 14.60  | A        | A         | A           | 2.16    |
| 154     | 31.5       | 3.33      | 0.64      | 12.19  | A        | A         | A           | 0.11    |
| 155     | 53.56      | 11.83     | 71.12     | 22.91  | N        | N         | N           | 11.72   |
| 156     | 28.6       | 3.6       | -8.63     | 13.97  | A        | A         | A           | 1.42    |
| 158     | 40.080     | 4.810     | 28.05     | 13.45  | A        | A         | A           | 4.62    |
| 159     | 37.0       | 5.0       | 18.21     | 14.81  | A        | A         | A           | 3.00    |
| 160     | 42.2       | 8.0       | 34.82     | 19.91  | N        | A         | N           | 5.74    |
| 163     | 54.57      | 3.36      | 74.35     | 8.65   | N        | N         | N           | 12.25   |
| 163     | 54.57      | 3.36      | 74.35     | 8.65   | N        | N         | N           | 12.25   |
| 164     | 29.6       | 1.2       | -5.43     | 7.30   | A        | A         | A           | 0.89    |
| 164     | 30.2       | 5.0       | -3.51     | 17.63  | A        | A         | A           | 0.58    |
| 165     | 33.26      | 1.46      | 6.26      | 7.49   | A        | A         | A           | 1.03    |
| 166     | 35         | 8         | 11.82     | 23.65  | A        | A         | A           | 1.95    |
| 169     | 32.50      | 4.00      | 3.83      | 13.72  | A        | A         | A           | 0.63    |
| 169     | 32.50      | 4.00      | 3.83      | 13.72  | A        | A         | A           | 0.63    |
| 171     | 29.3       | 0.8       | -6.39     | 6.66   | A        | A         | A           | 1.05    |
| 172     | 31         | 2.6       | -0.96     | 10.35  | A        | A         | A           | 0.16    |
| 173     | 36.77      | 2.66      | 17.48     | 9.44   | A        | A         | A           | 2.88    |
| 177     | 35.5       | 4.0       | 13.42     | 12.80  | A        | A         | A           | 2.21    |
| 178     | 32         | 5         | 2.24      | 16.76  | A        | A         | A           | 0.37    |
| 180     | 34.8       | 4.1       | 11.18     | 13.25  | A        | A         | A           | 1.84    |

TABLE 12. Evaluation Results for Pb-210 in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 182     | 56.6       | 4.0       | 80.83     | 9.32   | N        | N         | N           | 13.32   |
| 186     | 27.9       | 5.8       | -10.86    | 21.66  | A        | A         | A           | 1.79    |
| 187     | 35.7       | 3.3       | 14.06     | 11.06  | A        | A         | A           | 2.32    |
| 191     | 34.0       | 3.0       | 8.63      | 10.71  | A        | A         | A           | 1.42    |
| 192     | 52.88      | 13.89     | 68.95     | 26.96  | N        | A         | N           | 11.36   |
| 197     | 42         | 10        | 34.19     | 24.57  | N        | A         | N           | 5.63    |
| 198     | 32.17      | 3.86      | 2.78      | 13.45  | A        | A         | A           | 0.46    |
| 199     | 31.95      | 2.36      | 2.08      | 9.56   | A        | A         | A           | 0.34    |
| 202     | 32.9       | 1.8       | 5.11      | 8.17   | A        | A         | A           | 0.84    |
| 203     | 34.8       | 5.9       | 11.18     | 18.01  | A        | A         | A           | 1.84    |
| 213     | 31         | 3         | -0.96     | 11.42  | A        | A         | A           | 0.16    |
| 214     | 32.6       | 3.2       | 4.15      | 11.54  | A        | A         | A           | 0.68    |
| 216     | 36.3       | 1.3       | 15.97     | 7.05   | A        | A         | A           | 2.63    |
| 216     | 36.3       | 1.3       | 15.97     | 7.05   | A        | A         | A           | 2.63    |
| 217     | 29.9       | 1.1       | -4.47     | 7.10   | A        | A         | A           | 0.74    |
| 217     | 34.1       | 5.2       | 8.95      | 16.41  | A        | A         | A           | 1.47    |
| 218     | 30.14      | 4.8       | -3.71     | 17.04  | A        | A         | A           | 0.61    |
| 220     | 29.51      | 3.5       | -5.72     | 13.32  | A        | A         | A           | 0.94    |
| 221     | 31.55      | 1.24      | 0.80      | 7.23   | A        | A         | A           | 0.13    |
| 227     | 37.19      | 5.22      | 18.82     | 15.29  | A        | A         | A           | 3.10    |
| 230     | 32.2       | 2.3       | 2.88      | 9.37   | A        | A         | A           | 0.47    |
| 231     | 41.1       | 4.0       | 31.31     | 11.47  | N        | N         | N           | 5.16    |
| 233     | 1.8        | 0.54      | -94.25    | 30.61  | N        | N         | N           | 15.53   |
| 235     | 31.36      | 2.4       | 0.19      | 9.77   | A        | A         | A           | 0.03    |
| 238     | 37.7       | 3.1       | 20.45     | 10.22  | A        | A         | A           | 3.37    |
| 243     | 50.2       | 4.6       | 60.38     | 10.99  | N        | N         | N           | 9.95    |
| 244     | 34.2       | 4.8       | 9.27      | 15.29  | A        | A         | A           | 1.53    |
| 247     | 29.1       | 2.1       | -7.03     | 9.43   | A        | A         | A           | 1.16    |
| 247     | 36.2       | 2.5       | 15.65     | 9.19   | A        | A         | A           | 2.58    |
| 248     | 33.1       | 1.8       | 5.75      | 8.15   | A        | A         | A           | 0.95    |
| 261     | 31.8       | 1.8       | 1.60      | 8.30   | A        | A         | A           | 0.26    |
| 262     | 41.2       | 5.35      | 31.63     | 14.33  | N        | A         | N           | 5.21    |
| 264     | 33.6       | 5.1       | 7.35      | 16.35  | A        | A         | A           | 1.21    |
| 265     | 9.54       | 1.10      | -69.52    | 13.03  | N        | N         | N           | 11.45   |
| 271     | 25.388     | 2.096     | -18.89    | 10.25  | A        | A         | A           | 3.11    |
| 271     | 42.8       | 4.2       | 36.74     | 11.54  | N        | N         | N           | 6.05    |
| 272     | 37.44      | 0.63      | 19.62     | 6.30   | A        | N         | W           | 3.23    |
| 272     | 39.76      | 3.48      | 27.03     | 10.65  | A        | A         | A           | 4.45    |
| 273     | 34.1       | 3.0       | 8.95      | 10.69  | A        | A         | A           | 1.47    |
| 281     | 35.1       | 2.7       | 12.14     | 9.80   | A        | A         | A           | 2.00    |
| 284     | 42.97      | 7.77      | 37.28     | 19.07  | N        | A         | N           | 6.14    |
| 285     | 36.2       | 8.9       | 15.65     | 25.32  | A        | A         | A           | 2.58    |
| 286     | 37.4       | 4.6       | 19.49     | 13.72  | A        | A         | A           | 3.21    |
| 289     | 32.7       | 2.5       | 4.47      | 9.76   | A        | A         | A           | 0.74    |
| 296     | 36.4       | 2.8       | 16.29     | 9.80   | A        | A         | A           | 2.68    |
| 298     | 32.3       | 0.9       | 3.19      | 6.68   | A        | A         | A           | 0.53    |
| 299     | 22.36      | 2.7       | -28.56    | 13.52  | A        | A         | A           | 4.71    |
| 301     | 37.3       | 1.7       | 19.17     | 7.59   | A        | A         | A           | 3.16    |
| 303     | 54         | 16        | 72.52     | 30.25  | N        | N         | N           | 11.95   |
| 304     | 37.0       | 2.49      | 18.21     | 9.06   | A        | A         | A           | 3.00    |
| 309     | 38.63      | 7.21      | 23.42     | 19.63  | A        | A         | A           | 3.86    |
| 312     | 32.6       | 5.0       | 4.15      | 16.49  | A        | A         | A           | 0.68    |
| 313     | 31.7       | 2.7       | 1.28      | 10.46  | A        | A         | A           | 0.21    |

Reported Results for H-3 Determination in Sample 2

TABLE 13. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 10.8  |
| UNC, Bq/kg          | 0.6   |
| MARB, %             | 30    |

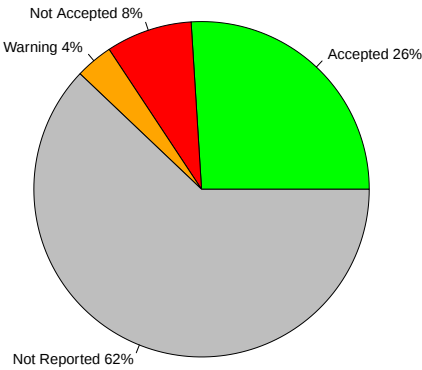


FIGURE 13. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

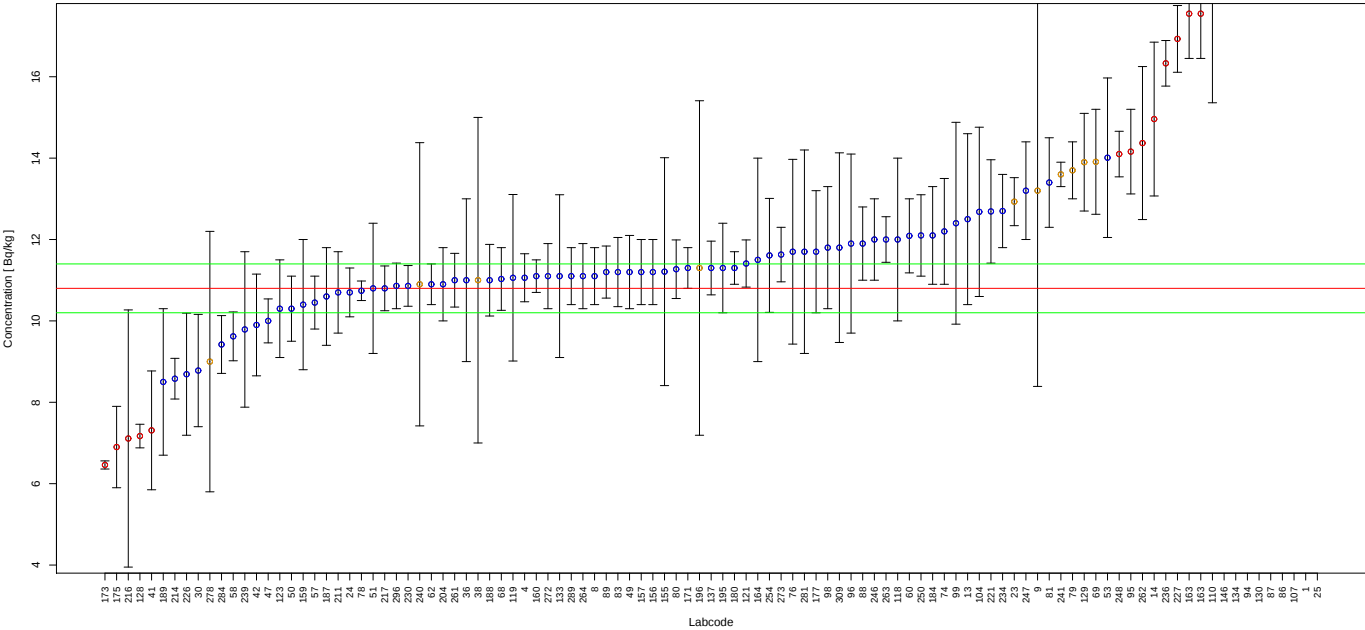


FIGURE 14. Reported results and evaluation parameters for H-3. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 14. Evaluation Results for H-3 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 115.6      | 9.3       | 970.37    | 9.78   | N        | N         | N           | 174.67  |
| 4       | 11.06      | 0.59      | 2.41      | 7.70   | A        | A         | A           | 0.43    |
| 8       | 11.1       | 0.7       | 2.78      | 8.40   | A        | A         | A           | 0.50    |
| 9       | 13.20      | 4.81      | 22.22     | 36.86  | A        | N         | W           | 4.00    |
| 13      | 12.5       | 2.1       | 15.74     | 17.69  | A        | A         | A           | 2.83    |
| 14      | 14.96      | 1.89      | 38.52     | 13.80  | N        | N         | N           | 6.93    |
| 23      | 12.93      | 0.59      | 19.72     | 7.19   | A        | N         | W           | 3.55    |
| 24      | 10.7       | 0.6       | -0.93     | 7.89   | A        | A         | A           | 0.17    |
| 25      | 160.00     | 3.32      | 1381.48   | 5.93   | N        | N         | N           | 248.67  |
| 30      | 8.78       | 1.38      | -18.70    | 16.67  | A        | A         | A           | 3.37    |
| 36      | 11         | 2         | 1.85      | 19.01  | A        | A         | A           | 0.33    |
| 38      | 11         | 4         | 1.85      | 36.79  | A        | N         | W           | 0.33    |
| 41      | 7.31       | 1.46      | -32.31    | 20.73  | N        | A         | N           | 5.82    |
| 42      | 9.9        | 1.25      | -8.33     | 13.79  | A        | A         | A           | 1.50    |
| 47      | 10.0       | 0.54      | -7.41     | 7.75   | A        | A         | A           | 1.33    |
| 49      | 11.2       | 0.9       | 3.70      | 9.77   | A        | A         | A           | 0.67    |
| 50      | 10.3       | 0.8       | -4.63     | 9.55   | A        | A         | A           | 0.83    |
| 51      | 10.8       | 1.6       | 0.00      | 15.82  | A        | A         | A           | 0.00    |
| 53      | 14.01      | 1.96      | 29.72     | 15.05  | A        | A         | A           | 5.35    |
| 57      | 10.45      | 0.65      | -3.24     | 8.34   | A        | A         | A           | 0.58    |
| 58      | 9.62       | 0.60      | -10.93    | 8.35   | A        | A         | A           | 1.97    |
| 60      | 12.09      | 0.91      | 11.94     | 9.36   | A        | A         | A           | 2.15    |
| 62      | 10.9       | 0.5       | 0.93      | 7.20   | A        | A         | A           | 0.17    |
| 68      | 11.03      | 0.77      | 2.13      | 8.92   | A        | A         | A           | 0.38    |
| 69      | 13.91      | 1.29      | 28.80     | 10.81  | A        | N         | W           | 5.18    |
| 74      | 12.2       | 1.3       | 12.96     | 12.02  | A        | A         | A           | 2.33    |
| 76      | 11.7       | 2.27      | 8.33      | 20.18  | A        | A         | A           | 1.50    |
| 78      | 10.74      | 0.24      | -0.56     | 5.99   | A        | A         | A           | 0.10    |
| 79      | 13.7       | 0.7       | 26.85     | 7.55   | A        | N         | W           | 4.83    |
| 80      | 11.27      | 0.72      | 4.35      | 8.47   | A        | A         | A           | 0.78    |
| 81      | 13.4       | 1.1       | 24.07     | 9.91   | A        | A         | A           | 4.33    |
| 83      | 11.2       | 0.85      | 3.70      | 9.41   | A        | A         | A           | 0.67    |
| 86      | 39.49      | 1.47      | 265.65    | 6.69   | N        | N         | N           | 47.82   |
| 87      | 36         | 7.2       | 233.33    | 20.76  | N        | N         | N           | 42.00   |
| 88      | 11.9       | 0.9       | 10.19     | 9.38   | A        | A         | A           | 1.83    |
| 89      | 11.2       | 0.64      | 3.70      | 7.97   | A        | A         | A           | 0.67    |
| 94      | 23.2       | 0.9       | 114.81    | 6.78   | N        | N         | N           | 20.67   |
| 95      | 14.16      | 1.04      | 31.11     | 9.21   | N        | N         | N           | 5.60    |
| 96      | 11.9       | 2.2       | 10.19     | 19.30  | A        | A         | A           | 1.83    |
| 98      | 11.8       | 1.5       | 9.26      | 13.87  | A        | A         | A           | 1.67    |
| 99      | 12.40      | 2.48      | 14.81     | 20.76  | A        | A         | A           | 2.67    |
| 104     | 12.68      | 2.08      | 17.41     | 17.32  | A        | A         | A           | 3.13    |
| 107     | 45.75      | 2.95      | 323.61    | 8.51   | N        | N         | N           | 58.25   |
| 110     | 18.8       | 3.44      | 74.07     | 19.12  | N        | N         | N           | 13.33   |
| 118     | 12         | 2         | 11.11     | 17.57  | A        | A         | A           | 2.00    |
| 119     | 11.060     | 2.046     | 2.41      | 19.32  | A        | A         | A           | 0.43    |
| 121     | 11.41      | 0.58      | 5.65      | 7.53   | A        | A         | A           | 1.02    |
| 123     | 10.3       | 1.2       | -4.63     | 12.91  | A        | A         | A           | 0.83    |
| 128     | 7.17       | 0.29      | -33.61    | 6.87   | N        | N         | N           | 6.05    |
| 129     | 13.9       | 1.2       | 28.70     | 10.27  | A        | N         | W           | 5.17    |
| 130     | 27.155     | 1.38      | 151.44    | 7.53   | N        | N         | N           | 27.26   |
| 133     | 11.1       | 2.0       | 2.78      | 18.86  | A        | A         | A           | 0.50    |
| 134     | 22.29      | 3.99      | 106.39    | 18.74  | N        | N         | N           | 19.15   |

TABLE 14. Evaluation Results for H-3 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 137     | 11.30      | 0.66      | 4.63      | 8.06   | A        | A         | A           | 0.83    |
| 146     | 19         |           | 75.93     |        | N        |           | N           | 13.67   |
| 155     | 11.21      | 2.80      | 3.80      | 25.59  | A        | A         | A           | 0.68    |
| 156     | 11.2       | 0.8       | 3.70      | 9.05   | A        | A         | A           | 0.67    |
| 157     | 11.2       | 0.8       | 3.70      | 9.05   | A        | A         | A           | 0.67    |
| 159     | 10.4       | 1.6       | -3.70     | 16.36  | A        | A         | A           | 0.67    |
| 160     | 11.1       | 0.4       | 2.78      | 6.62   | A        | A         | A           | 0.50    |
| 163     | 17.55      | 1.10      | 62.50     | 8.38   | N        | N         | N           | 11.25   |
| 163     | 17.55      | 1.10      | 62.50     | 8.38   | N        | N         | N           | 11.25   |
| 164     | 11.5       | 2.5       | 6.48      | 22.44  | A        | A         | A           | 1.17    |
| 171     | 11.3       | 0.5       | 4.63      | 7.10   | A        | A         | A           | 0.83    |
| 173     | 6.46       | 0.1       | -40.19    | 5.77   | N        | N         | N           | 7.23    |
| 175     | 6.9        | 1.0       | -36.11    | 15.52  | N        | A         | N           | 6.50    |
| 177     | 11.7       | 1.5       | 8.33      | 13.97  | A        | A         | A           | 1.50    |
| 180     | 11.3       | 0.4       | 4.63      | 6.59   | A        | A         | A           | 0.83    |
| 184     | 12.1       | 1.2       | 12.04     | 11.37  | A        | A         | A           | 2.17    |
| 187     | 10.6       | 1.2       | -1.85     | 12.61  | A        | A         | A           | 0.33    |
| 188     | 11.0       | 0.88      | 1.85      | 9.74   | A        | A         | A           | 0.33    |
| 189     | 8.5        | 1.8       | -21.30    | 21.89  | A        | A         | A           | 3.83    |
| 195     | 11.3       | 1.1       | 4.63      | 11.21  | A        | A         | A           | 0.83    |
| 196     | 11.3       | 4.11      | 4.63      | 36.79  | A        | N         | W           | 0.83    |
| 204     | 10.9       | 0.9       | 0.93      | 9.95   | A        | A         | A           | 0.17    |
| 211     | 10.7       | 1.0       | -0.93     | 10.87  | A        | A         | A           | 0.17    |
| 214     | 8.58       | 0.5       | -20.56    | 8.05   | A        | A         | A           | 3.70    |
| 216     | 7.11       | 3.16      | -34.17    | 44.79  | N        | N         | N           | 6.15    |
| 217     | 10.8       | 0.55      | 0.00      | 7.54   | A        | A         | A           | 0.00    |
| 221     | 12.69      | 1.27      | 17.50     | 11.45  | A        | A         | A           | 3.15    |
| 226     | 8.69       | 1.5       | -19.54    | 18.13  | A        | A         | A           | 3.52    |
| 227     | 16.93      | 0.82      | 56.76     | 7.37   | N        | N         | N           | 10.22   |
| 230     | 10.86      | 0.5       | 0.56      | 7.22   | A        | A         | A           | 0.10    |
| 234     | 12.70      | 0.90      | 17.59     | 9.00   | A        | A         | A           | 3.17    |
| 236     | 16.33      | 0.56      | 51.20     | 6.53   | N        | N         | N           | 9.22    |
| 239     | 9.79       | 1.91      | -9.35     | 20.29  | A        | A         | A           | 1.68    |
| 240     | 10.9       | 3.48      | 0.93      | 32.41  | A        | N         | W           | 0.17    |
| 241     | 13.60      | 0.30      | 25.93     | 5.98   | A        | N         | W           | 4.67    |
| 246     | 12.0       | 1.0       | 11.11     | 10.02  | A        | A         | A           | 2.00    |
| 247     | 13.2       | 1.2       | 22.22     | 10.65  | A        | A         | A           | 4.00    |
| 248     | 14.1       | 0.56      | 30.56     | 6.83   | N        | N         | N           | 5.50    |
| 250     | 12.10      | 1.00      | 12.04     | 9.96   | A        | A         | A           | 2.17    |
| 254     | 11.61      | 1.40      | 7.50      | 13.28  | A        | A         | A           | 1.35    |
| 261     | 11.0       | 0.66      | 1.85      | 8.18   | A        | A         | A           | 0.33    |
| 262     | 14.37      | 1.88      | 33.06     | 14.21  | N        | A         | N           | 5.95    |
| 263     | 12.00      | 0.56      | 11.11     | 7.26   | A        | A         | A           | 2.00    |
| 264     | 11.1       | 0.8       | 2.78      | 9.10   | A        | A         | A           | 0.50    |
| 272     | 11.1       | 0.8       | 2.78      | 9.10   | A        | A         | A           | 0.50    |
| 273     | 11.63      | 0.67      | 7.69      | 8.00   | A        | A         | A           | 1.38    |
| 278     | 9.0        | 3.2       | -16.67    | 35.99  | A        | N         | W           | 3.00    |
| 281     | 11.7       | 2.5       | 8.33      | 22.08  | A        | A         | A           | 1.50    |
| 284     | 9.42       | 0.71      | -12.78    | 9.36   | A        | A         | A           | 2.30    |
| 289     | 11.1       | 0.7       | 2.78      | 8.40   | A        | A         | A           | 0.50    |
| 296     | 10.86      | 0.56      | 0.56      | 7.58   | A        | A         | A           | 0.10    |
| 309     | 11.8       | 2.33      | 9.26      | 20.51  | A        | A         | A           | 1.67    |

Reported Results for Sr-90 Determination in Sample 2

TABLE 15. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 7.42  |
| UNC, Bq/kg          | 0.45  |
| MARB, %             | 30    |

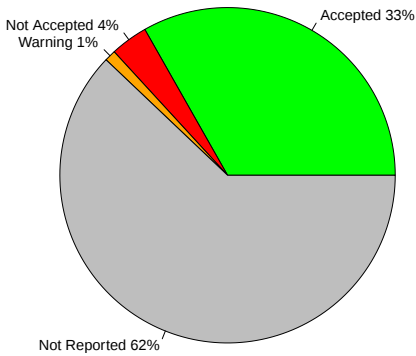


FIGURE 15. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

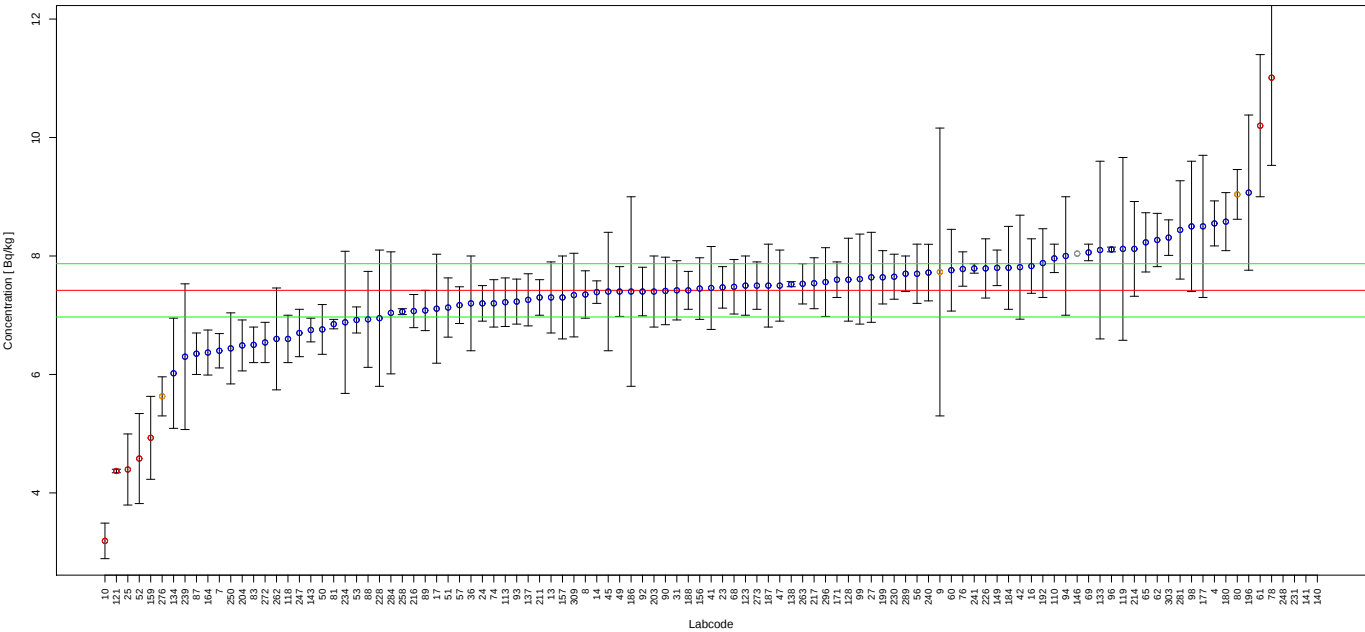


FIGURE 16. Reported results and evaluation parameters for Sr-90. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 16. Evaluation Results for Sr-90 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 8.55       | 0.38      | 15.23     | 7.52   | A        | A         | A           | 2.51    |
| 7       | 6.40       | 0.29      | -13.75    | 7.57   | A        | A         | A           | 2.27    |
| 8       | 7.35       | 0.4       | -0.94     | 8.15   | A        | A         | A           | 0.16    |
| 9       | 7.73       | 2.43      | 4.18      | 32.02  | A        | N         | W           | 0.69    |
| 10      | 3.19       | 0.30      | -57.01    | 11.19  | N        | N         | N           | 9.40    |
| 13      | 7.3        | 0.6       | -1.62     | 10.21  | A        | A         | A           | 0.27    |
| 14      | 7.39       | 0.19      | -0.40     | 6.59   | A        | A         | A           | 0.07    |
| 16      | 7.83       | 0.46      | 5.53      | 8.44   | A        | A         | A           | 0.91    |
| 17      | 7.11       | 0.92      | -4.18     | 14.29  | A        | A         | A           | 0.69    |
| 23      | 7.47       | 0.35      | 0.67      | 7.66   | A        | A         | A           | 0.11    |
| 24      | 7.2        | 0.3       | -2.96     | 7.36   | A        | A         | A           | 0.49    |
| 25      | 4.3954     | 0.6       | -40.76    | 14.94  | N        | N         | N           | 6.72    |
| 27      | 7.64       | 0.76      | 2.96      | 11.65  | A        | A         | A           | 0.49    |
| 31      | 7.42       | 0.5       | 0.00      | 9.07   | A        | A         | A           | 0.00    |
| 36      | 7.2        | 0.8       | -2.96     | 12.66  | A        | A         | A           | 0.49    |
| 41      | 7.46       | 0.7       | 0.54      | 11.17  | A        | A         | A           | 0.09    |
| 42      | 7.811      | 0.878     | 5.27      | 12.77  | A        | A         | A           | 0.87    |
| 45      | 7.4        | 1.0       | -0.27     | 14.81  | A        | A         | A           | 0.04    |
| 47      | 7.5        | 0.6       | 1.08      | 10.04  | A        | A         | A           | 0.18    |
| 49      | 7.40       | 0.42      | -0.27     | 8.31   | A        | A         | A           | 0.04    |
| 50      | 6.76       | 0.42      | -8.89     | 8.68   | A        | A         | A           | 1.47    |
| 51      | 7.13       | 0.50      | -3.91     | 9.27   | A        | A         | A           | 0.64    |
| 52      | 4.58       | 0.76      | -38.27    | 17.67  | N        | A         | N           | 6.31    |
| 53      | 6.92       | 0.22      | -6.74     | 6.85   | A        | A         | A           | 1.11    |
| 56      | 7.7        | 0.5       | 3.77      | 8.89   | A        | A         | A           | 0.62    |
| 57      | 7.17       | 0.31      | -3.37     | 7.45   | A        | A         | A           | 0.56    |
| 60      | 7.76       | 0.69      | 4.58      | 10.76  | A        | A         | A           | 0.76    |
| 61      | 10.2       | 1.2       | 37.47     | 13.24  | N        | N         | N           | 6.18    |
| 62      | 8.27       | 0.45      | 11.46     | 8.15   | A        | A         | A           | 1.89    |
| 65      | 8.23       | 0.5       | 10.92     | 8.58   | A        | A         | A           | 1.80    |
| 68      | 7.48       | 0.46      | 0.81      | 8.64   | A        | A         | A           | 0.13    |
| 69      | 8.06       | 0.14      | 8.63      | 6.31   | A        | A         | A           | 1.42    |
| 74      | 7.2        | 0.4       | -2.96     | 8.22   | A        | A         | A           | 0.49    |
| 76      | 7.78       | 0.29      | 4.85      | 7.12   | A        | A         | A           | 0.80    |
| 78      | 11.01      | 1.48      | 48.38     | 14.75  | N        | N         | N           | 7.98    |
| 80      | 9.04       | 0.42      | 21.83     | 7.64   | A        | N         | W           | 3.60    |
| 81      | 6.85       | 0.08      | -7.68     | 6.18   | A        | A         | A           | 1.27    |
| 83      | 6.5        | 0.3       | -12.40    | 7.62   | A        | A         | A           | 2.04    |
| 87      | 6.35       | 0.35      | -14.42    | 8.20   | A        | A         | A           | 2.38    |
| 88      | 6.93       | 0.81      | -6.60     | 13.17  | A        | A         | A           | 1.09    |
| 89      | 7.08       | 0.34      | -4.58     | 7.74   | A        | A         | A           | 0.76    |
| 90      | 7.41       | 0.57      | -0.13     | 9.80   | A        | A         | A           | 0.02    |
| 92      | 7.40       | 0.41      | -0.27     | 8.21   | A        | A         | A           | 0.04    |
| 93      | 7.23       | 0.38      | -2.56     | 8.03   | A        | A         | A           | 0.42    |
| 94      | 8.0        | 1.0       | 7.82      | 13.89  | A        | A         | A           | 1.29    |
| 96      | 8.11       | 0.04      | 9.30      | 6.08   | A        | A         | A           | 1.53    |
| 98      | 8.5        | 1.1       | 14.56     | 14.29  | A        | A         | A           | 2.40    |
| 99      | 7.61       | 0.76      | 2.56      | 11.68  | A        | A         | A           | 0.42    |
| 110     | 7.96       | 0.240     | 7.28      | 6.77   | A        | A         | A           | 1.20    |
| 113     | 7.22       | 0.41      | -2.70     | 8.31   | A        | A         | A           | 0.44    |
| 118     | 6.6        | 0.4       | -11.05    | 8.57   | A        | A         | A           | 1.82    |
| 119     | 8.120      | 1.543     | 9.43      | 19.95  | A        | A         | A           | 1.56    |
| 121     | 4.37       | 0.03      | -41.11    | 6.10   | N        | N         | N           | 6.78    |

TABLE 16. Evaluation Results for Sr-90 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 123     | 7.5        | 0.5       | 1.08      | 9.01   | A        | A         | A           | 0.18    |
| 128     | 7.6        | 0.7       | 2.43      | 11.03  | A        | A         | A           | 0.40    |
| 133     | 8.1        | 1.5       | 9.16      | 19.49  | A        | A         | A           | 1.51    |
| 134     | 6.02       | 0.93      | -18.87    | 16.60  | A        | A         | A           | 3.11    |
| 137     | 7.26       | 0.44      | -2.16     | 8.57   | A        | A         | A           | 0.36    |
| 138     | 7.524      | 0.043     | 1.40      | 6.09   | A        | A         | A           | 0.23    |
| 140     | 28.6       | 2.2       | 285.44    | 9.80   | N        | N         | N           | 47.07   |
| 141     | 22         | 6         | 196.50    | 27.94  | N        | N         | N           | 32.40   |
| 143     | 6.75       | 0.20      | -9.03     | 6.75   | A        | A         | A           | 1.49    |
| 146     | 8.04       |           | 8.36      |        | A        |           |             | 1.38    |
| 149     | 7.8        | 0.3       | 5.12      | 7.18   | A        | A         | A           | 0.84    |
| 156     | 7.45       | 0.52      | 0.40      | 9.25   | A        | A         | A           | 0.07    |
| 157     | 7.3        | 0.7       | -1.62     | 11.35  | A        | A         | A           | 0.27    |
| 159     | 4.93       | 0.7       | -33.56    | 15.44  | N        | A         | N           | 5.53    |
| 164     | 6.37       | 0.38      | -14.15    | 8.51   | A        | A         | A           | 2.33    |
| 171     | 7.6        | 0.3       | 2.43      | 7.24   | A        | A         | A           | 0.40    |
| 177     | 8.5        | 1.2       | 14.56     | 15.37  | A        | A         | A           | 2.40    |
| 180     | 8.58       | 0.49      | 15.63     | 8.33   | A        | A         | A           | 2.58    |
| 184     | 7.8        | 0.7       | 5.12      | 10.83  | A        | A         | A           | 0.84    |
| 186     | 7.4        | 1.6       | -0.27     | 22.46  | A        | A         | A           | 0.04    |
| 187     | 7.5        | 0.7       | 1.08      | 11.13  | A        | A         | A           | 0.18    |
| 188     | 7.42       | 0.32      | 0.00      | 7.44   | A        | A         | A           | 0.00    |
| 192     | 7.88       | 0.58      | 6.20      | 9.54   | A        | A         | A           | 1.02    |
| 196     | 9.07       | 1.31      | 22.24     | 15.66  | A        | A         | A           | 3.67    |
| 199     | 7.64       | 0.45      | 2.96      | 8.45   | A        | A         | A           | 0.49    |
| 203     | 7.4        | 0.6       | -0.27     | 10.13  | A        | A         | A           | 0.04    |
| 204     | 6.49       | 0.43      | -12.53    | 8.98   | A        | A         | A           | 2.07    |
| 211     | 7.3        | 0.3       | -1.62     | 7.33   | A        | A         | A           | 0.27    |
| 214     | 8.12       | 0.8       | 9.43      | 11.57  | A        | A         | A           | 1.56    |
| 216     | 7.07       | 0.28      | -4.72     | 7.24   | A        | A         | A           | 0.78    |
| 217     | 7.54       | 0.43      | 1.62      | 8.32   | A        | A         | A           | 0.27    |
| 226     | 7.79       | 0.5       | 4.99      | 8.83   | A        | A         | A           | 0.82    |
| 228     | 6.95       | 1.15      | -6.33     | 17.62  | A        | A         | A           | 1.04    |
| 230     | 7.65       | 0.38      | 3.10      | 7.84   | A        | A         | A           | 0.51    |
| 231     | 18.9       | 2         | 154.72    | 12.20  | N        | N         | N           | 25.51   |
| 234     | 6.88       | 1.20      | -7.28     | 18.47  | A        | A         | A           | 1.20    |
| 239     | 6.3        | 1.23      | -15.09    | 20.44  | A        | A         | A           | 2.49    |
| 240     | 7.72       | 0.478     | 4.04      | 8.67   | A        | A         | A           | 0.67    |
| 241     | 7.79       | 0.08      | 4.99      | 6.15   | A        | A         | A           | 0.82    |
| 247     | 6.7        | 0.4       | -9.70     | 8.51   | A        | A         | A           | 1.60    |
| 248     | 15.0       | 1.92      | 102.16    | 14.16  | N        | N         | N           | 16.84   |
| 250     | 6.44       | 0.6       | -13.21    | 11.12  | A        | A         | A           | 2.18    |
| 258     | 7.06       | 0.05      | -4.85     | 6.11   | A        | A         | A           | 0.80    |
| 262     | 6.60       | 0.86      | -11.05    | 14.37  | A        | A         | A           | 1.82    |
| 263     | 7.53       | 0.34      | 1.48      | 7.56   | A        | A         | A           | 0.24    |
| 272     | 6.54       | 0.34      | -11.86    | 7.99   | A        | A         | A           | 1.96    |
| 273     | 7.5        | 0.4       | 1.08      | 8.08   | A        | A         | A           | 0.18    |
| 276     | 5.63       | 0.33      | -24.12    | 8.43   | A        | N         | W           | 3.98    |
| 281     | 8.44       | 0.83      | 13.75     | 11.55  | A        | A         | A           | 2.27    |
| 284     | 7.04       | 1.03      | -5.12     | 15.84  | A        | A         | A           | 0.84    |
| 289     | 7.7        | 0.3       | 3.77      | 7.21   | A        | A         | A           | 0.62    |
| 296     | 7.56       | 0.58      | 1.89      | 9.78   | A        | A         | A           | 0.31    |
| 303     | 8.31       | 0.30      | 11.99     | 7.06   | A        | A         | A           | 1.98    |

TABLE 16. Evaluation Results for Sr-90 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 309     | 7.34       | 0.706     | -1.08     | 11.37  | A        | A         | A           | 0.18    |

## Reported Results for Cs-137 Determination in Sample 2

TABLE 17. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 8.36  |
| UNC, Bq/kg          | 0.5   |
| MARB, %             | 20    |

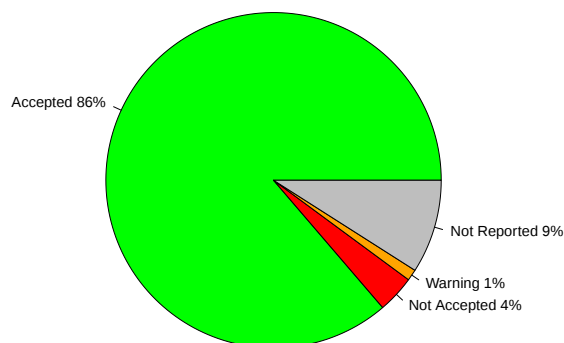


FIGURE 17. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

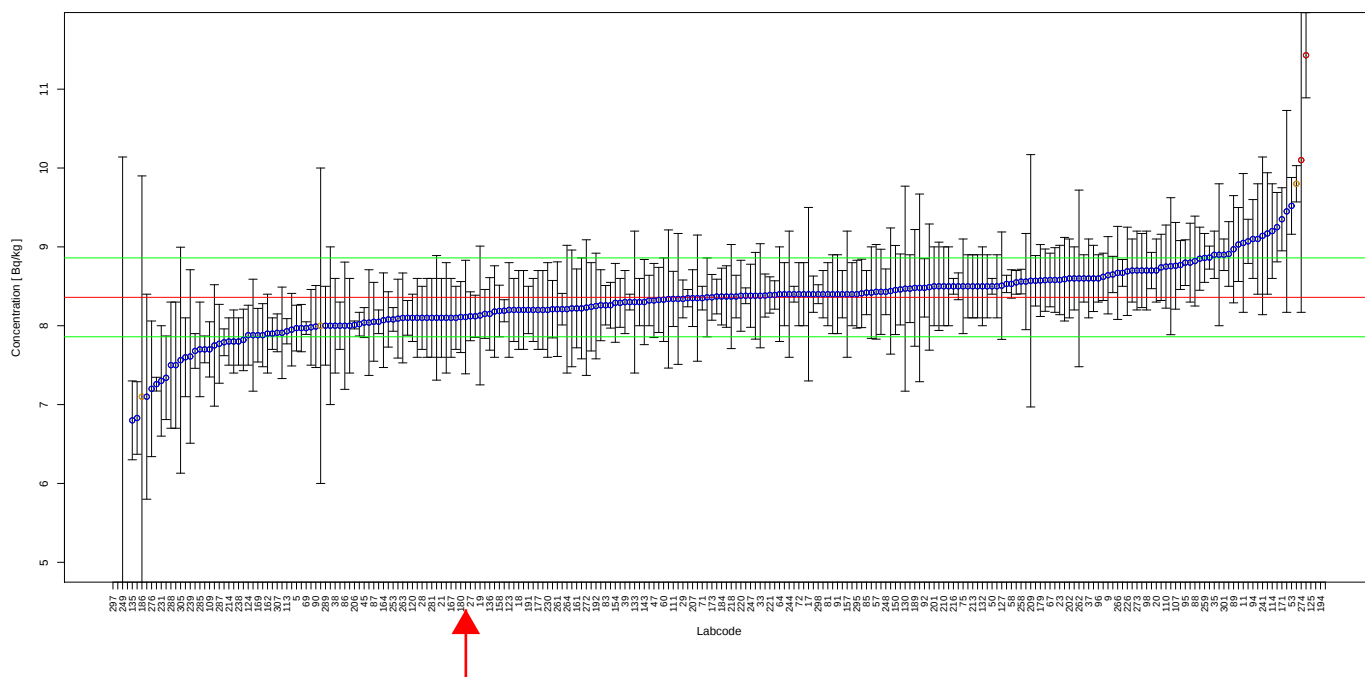


FIGURE 18. Reported results and evaluation parameters for Cs-137. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 18. Evaluation Results for Cs-137 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 9.25       | 0.44      | 10.65     | 7.64   | A        | A         | A           | 1.78    |
| 4       | 8.02       | 0.15      | -4.07     | 6.27   | A        | A         | A           | 0.68    |
| 5       | 7.97       | 0.29      | -4.67     | 7.00   | A        | A         | A           | 0.78    |
| 6       | 6.83       | 0.46      | -18.30    | 9.01   | A        | A         | A           | 3.06    |
| 7       | 8.26       | 0.45      | -1.20     | 8.09   | A        | A         | A           | 0.20    |
| 8       | 8.24       | 0.56      | -1.44     | 9.05   | A        | A         | A           | 0.24    |
| 9       | 8.64       | 0.49      | 3.35      | 8.24   | A        | A         | A           | 0.56    |
| 10      | 28.75      | 11.00     | 243.90    | 38.73  | N        | N         | N           | 40.78   |
| 11      | 9.05       | 0.88      | 8.25      | 11.42  | A        | A         | A           | 1.38    |
| 12      | 8.85       | 0.4       | 5.86      | 7.50   | A        | A         | A           | 0.98    |
| 13      | 8          | 1         | -4.31     | 13.86  | A        | A         | A           | 0.72    |
| 14      | 8.15       | 0.31      | -2.51     | 7.09   | A        | A         | A           | 0.42    |
| 16      | 8.7        | 0.23      | 4.07      | 6.54   | A        | A         | A           | 0.68    |
| 17      | 8.40       | 1.1       | 0.48      | 14.40  | A        | A         | A           | 0.08    |
| 18      | 8.20       | 0.50      | -1.91     | 8.54   | A        | A         | A           | 0.32    |
| 19      | 8.13       | 0.88      | -2.75     | 12.37  | A        | A         | A           | 0.46    |
| 20      | 8.7        | 0.4       | 4.07      | 7.54   | A        | A         | A           | 0.68    |
| 21      | 8.1        | 0.5       | -3.11     | 8.60   | A        | A         | A           | 0.52    |
| 22      | 8.864      | 0.146     | 6.03      | 6.20   | A        | A         | A           | 1.01    |
| 23      | 8.58       | 0.44      | 2.63      | 7.88   | A        | A         | A           | 0.44    |
| 24      | 8.3        | 0.3       | -0.72     | 6.99   | A        | A         | A           | 0.12    |
| 25      | 7.88       | 0.71      | -5.74     | 10.81  | A        | A         | A           | 0.96    |
| 26      | 8.5        | 0.5       | 1.67      | 8.39   | A        | A         | A           | 0.28    |
| 27      | 8.12       | 0.31      | -2.87     | 7.10   | A        | A         | A           | 0.48    |
| 28      | 8.1        | 0.4       | -3.11     | 7.76   | A        | A         | A           | 0.52    |
| 29      | 8.34       | 0.24      | -0.24     | 6.64   | A        | A         | A           | 0.04    |
| 31      | 8.44       | 0.8       | 0.96      | 11.21  | A        | A         | A           | 0.16    |
| 32      | 8.67       | 0.17      | 3.71      | 6.29   | A        | A         | A           | 0.62    |
| 33      | 8.38       | 0.66      | 0.24      | 9.89   | A        | A         | A           | 0.04    |
| 34      | 8.56       | 0.61      | 2.39      | 9.30   | A        | A         | A           | 0.40    |
| 35      | 8.9        | 0.3       | 6.46      | 6.87   | A        | A         | A           | 1.08    |
| 36      | 8          | 2         | -4.31     | 25.71  | A        | N         | W           | 0.72    |
| 37      | 8.6        | 0.5       | 2.87      | 8.34   | A        | A         | A           | 0.48    |
| 38      | 8          | 0.6       | -4.31     | 9.59   | A        | A         | A           | 0.72    |
| 39      | 8.3        | 0.4       | -0.72     | 7.68   | A        | A         | A           | 0.12    |
| 40      | 8.4        | 0.1       | 0.48      | 6.10   | A        | A         | A           | 0.08    |
| 41      | 8.1        | 0.79      | -3.11     | 11.44  | A        | A         | A           | 0.52    |
| 42      | 4.29       | 0.21      | -48.68    | 7.73   | N        | N         | N           | 8.14    |
| 43      | 8.4        | 0.4       | 0.48      | 7.65   | A        | A         | A           | 0.08    |
| 45      | 8.04       | 0.19      | -3.83     | 6.43   | A        | A         | A           | 0.64    |
| 46      | 8.5        | 0.4       | 1.67      | 7.61   | A        | A         | A           | 0.28    |
| 47      | 8.32       | 0.47      | -0.48     | 8.23   | A        | A         | A           | 0.08    |
| 49      | 8.4        | 0.3       | 0.48      | 6.97   | A        | A         | A           | 0.08    |
| 50      | 8.5        | 0.1       | 1.67      | 6.10   | A        | A         | A           | 0.28    |
| 51      | 8.3        | 0.1       | -0.72     | 6.10   | A        | A         | A           | 0.12    |
| 52      | 8.04       | 0.67      | -3.83     | 10.26  | A        | A         | A           | 0.64    |
| 53      | 9.52       | 0.36      | 13.88     | 7.08   | A        | A         | A           | 2.32    |
| 55      | 8.62       | 0.30      | 3.11      | 6.92   | A        | A         | A           | 0.52    |
| 56      | 8.1        | 0.4       | -3.11     | 7.76   | A        | A         | A           | 0.52    |
| 57      | 8.43       | 0.60      | 0.84      | 9.30   | A        | A         | A           | 0.14    |
| 58      | 8.53       | 0.18      | 2.03      | 6.34   | A        | A         | A           | 0.34    |
| 59      | 8.5        | 0.4       | 1.67      | 7.61   | A        | A         | A           | 0.28    |
| 60      | 8.33       | 0.53      | -0.36     | 8.73   | A        | A         | A           | 0.06    |

TABLE 18. Evaluation Results for Cs-137 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score  |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|----------|
| 61      | 8.18       | 0.58      | -2.15     | 9.28   | A        | A         | A           | 0.36     |
| 62      | 8.32       | 0.32      | -0.48     | 7.11   | A        | A         | A           | 0.08     |
| 63      | 8.50       | 0.56      | 1.67      | 8.90   | A        | A         | A           | 0.28     |
| 64      | 8.4        | 0.6       | 0.48      | 9.32   | A        | A         | A           | 0.08     |
| 65      | 8.55       | 0.15      | 2.27      | 6.23   | A        | A         | A           | 0.38     |
| 67      | 8.58       | 0.34      | 2.63      | 7.17   | A        | A         | A           | 0.44     |
| 68      | 8.29       | 0.31      | -0.84     | 7.05   | A        | A         | A           | 0.14     |
| 69      | 7.97       | 0.08      | -4.67     | 6.06   | A        | A         | A           | 0.78     |
| 70      | 8.2        | 0.4       | -1.91     | 7.72   | A        | A         | A           | 0.32     |
| 71      | 8.35       | 0.15      | -0.12     | 6.24   | A        | A         | A           | 0.02     |
| 72      | 8.4        | 0.4       | 0.48      | 7.65   | A        | A         | A           | 0.08     |
| 74      | 8.38       | 0.55      | 0.24      | 8.88   | A        | A         | A           | 0.04     |
| 75      | 8.5        | 0.6       | 1.67      | 9.25   | A        | A         | A           | 0.28     |
| 76      | 8.10       | 0.22      | -3.11     | 6.57   | A        | A         | A           | 0.52     |
| 77      | 9.03       | 0.469     | 8.01      | 7.92   | A        | A         | A           | 1.34     |
| 78      | 8.0        | 0.3       | -4.31     | 7.06   | A        | A         | A           | 0.72     |
| 79      | 8.91       | 0.41      | 6.58      | 7.55   | A        | A         | A           | 1.10     |
| 80      | 8.12       | 0.267     | -2.87     | 6.83   | A        | A         | A           | 0.48     |
| 81      | 8.4        | 0.4       | 0.48      | 7.65   | A        | A         | A           | 0.08     |
| 83      | 8.26       | 0.25      | -1.20     | 6.70   | A        | A         | A           | 0.20     |
| 84      | 8.578      | 0.395     | 2.61      | 7.55   | A        | A         | A           | 0.44     |
| 85      | 8.42       | 0.28      | 0.72      | 6.84   | A        | A         | A           | 0.12     |
| 86      | 8.0        | 0.807     | -4.31     | 11.73  | A        | A         | A           | 0.72     |
| 87      | 8.05       | 0.5       | -3.71     | 8.62   | A        | A         | A           | 0.62     |
| 88      | 8.82       | 0.57      | 5.50      | 8.81   | A        | A         | A           | 0.92     |
| 89      | 8.97       | 0.68      | 7.30      | 9.66   | A        | A         | A           | 1.22     |
| 90      | 7.99       | 0.52      | -4.43     | 8.84   | A        | A         | A           | 0.74     |
| 91      | 8.4        | 0.5       | 0.48      | 8.44   | A        | A         | A           | 0.08     |
| 92      | 8.48       | 0.37      | 1.44      | 7.40   | A        | A         | A           | 0.24     |
| 93      | 8.37       | 0.22      | 0.12      | 6.53   | A        | A         | A           | 0.02     |
| 94      | 9.1        | 0.5       | 8.85      | 8.12   | A        | A         | A           | 1.48     |
| 95      | 8.80       | 0.29      | 5.26      | 6.83   | A        | A         | A           | 0.88     |
| 96      | 8.60       | 0.30      | 2.87      | 6.92   | A        | A         | A           | 0.48     |
| 97      | 8.19       | 0.14      | -2.03     | 6.22   | A        | A         | A           | 0.34     |
| 98      | 8.7        | 0.5       | 4.07      | 8.29   | A        | A         | A           | 0.68     |
| 99      | 8.34       | 0.83      | -0.24     | 11.61  | A        | A         | A           | 0.04     |
| 100     | 33000      | 300       | 394636.84 | 6.05   | N        | N         | N           | 65983.28 |
| 101     | 8.9        | 0.9       | 6.46      | 11.75  | A        | A         | A           | 1.08     |
| 102     | 8.41       | 0.434     | 0.60      | 7.90   | A        | A         | A           | 0.10     |
| 103     | 8.47       | 0.43      | 1.32      | 7.84   | A        | A         | A           | 0.22     |
| 105     | 8.22       | 0.64      | -1.67     | 9.82   | A        | A         | A           | 0.28     |
| 106     | 8.08       | 0.351     | -3.35     | 7.39   | A        | A         | A           | 0.56     |
| 107     | 8.76       | 0.55      | 4.78      | 8.67   | A        | A         | A           | 0.80     |
| 109     | 7.70       | 0.35      | -7.89     | 7.51   | A        | A         | A           | 1.32     |
| 110     | 8.75       | 0.527     | 4.67      | 8.49   | A        | A         | A           | 0.78     |
| 111     | 8.34       | 0.35      | -0.24     | 7.31   | A        | A         | A           | 0.04     |
| 113     | 7.93       | 0.16      | -5.14     | 6.31   | A        | A         | A           | 0.86     |
| 114     | 9.2        | 0.6       | 10.05     | 8.85   | A        | A         | A           | 1.68     |
| 117     | 8.1        | 0.5       | -3.11     | 8.60   | A        | A         | A           | 0.52     |
| 118     | 9.1        | 0.7       | 8.85      | 9.74   | A        | A         | A           | 1.48     |
| 119     | 8.339      | 0.876     | -0.25     | 12.09  | A        | A         | A           | 0.04     |
| 120     | 8.1        | 0.3       | -3.11     | 7.03   | A        | A         | A           | 0.52     |
| 121     | 8.383      | 0.273     | 0.28      | 6.81   | A        | A         | A           | 0.05     |
| 123     | 8.2        | 0.6       | -1.91     | 9.45   | A        | A         | A           | 0.32     |

TABLE 18. Evaluation Results for Cs-137 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 124     | 7.88       | 0.38      | -5.74     | 7.68   | A        | A         | A           | 0.96    |
| 125     | 14.20      | 0.99      | 69.86     | 9.19   | N        | N         | N           | 11.68   |
| 126     | 8.11       | 0.72      | -2.99     | 10.70  | A        | A         | A           | 0.50    |
| 127     | 8.508      | 0.681     | 1.77      | 9.99   | A        | A         | A           | 0.30    |
| 128     | 9.07       | 0.28      | 8.49      | 6.73   | A        | A         | A           | 1.42    |
| 129     | 8.1        | 0.5       | -3.11     | 8.60   | A        | A         | A           | 0.52    |
| 130     | 8.47       | 1.3       | 1.32      | 16.47  | A        | A         | A           | 0.22    |
| 132     | 8.5        | 0.5       | 1.67      | 8.39   | A        | A         | A           | 0.28    |
| 133     | 8.3        | 0.9       | -0.72     | 12.38  | A        | A         | A           | 0.12    |
| 134     | 9.17       | 0.77      | 9.69      | 10.31  | A        | A         | A           | 1.62    |
| 135     | 6.8        | 0.5       | -18.66    | 9.48   | A        | A         | A           | 3.12    |
| 136     | 8.15       | 0.46      | -2.51     | 8.22   | A        | A         | A           | 0.42    |
| 137     | 7.79       | 0.17      | -6.82     | 6.37   | A        | A         | A           | 1.14    |
| 138     | 8.327      | 0.413     | -0.39     | 7.77   | A        | A         | A           | 0.07    |
| 139     | 8.35       | 0.11      | -0.12     | 6.12   | A        | A         | A           | 0.02    |
| 140     | 8.1        | 0.7       | -3.11     | 10.51  | A        | A         | A           | 0.52    |
| 143     | 8.30       | 0.54      | -0.72     | 8.84   | A        | A         | A           | 0.12    |
| 145     | 7.8        | 0.4       | -6.70     | 7.88   | A        | A         | A           | 1.12    |
| 146     | 7.2591     | 0.0871    | -13.17    | 6.10   | A        | A         | A           | 2.20    |
| 147     | 8.77       | 0.31      | 4.90      | 6.95   | A        | A         | A           | 0.82    |
| 148     | 8.09       | 0.50      | -3.23     | 8.60   | A        | A         | A           | 0.54    |
| 149     | 7.6        | 0.5       | -9.09     | 8.89   | A        | A         | A           | 1.52    |
| 150     | 8.453      | 0.565     | 1.11      | 8.97   | A        | A         | A           | 0.19    |
| 152     | 7.82       | 0.39      | -6.46     | 7.79   | A        | A         | A           | 1.08    |
| 153     | 8.6        | 0.3       | 2.87      | 6.92   | A        | A         | A           | 0.48    |
| 154     | 8.29       | 0.5       | -0.84     | 8.49   | A        | A         | A           | 0.14    |
| 155     | 7.34       | 0.53      | -12.20    | 9.38   | A        | A         | A           | 2.04    |
| 156     | 8.42       | 0.58      | 0.72      | 9.12   | A        | A         | A           | 0.12    |
| 157     | 8.4        | 0.8       | 0.48      | 11.25  | A        | A         | A           | 0.08    |
| 158     | 8.187      | 0.327     | -2.07     | 7.19   | A        | A         | A           | 0.35    |
| 159     | 8.36       | 0.5       | 0.00      | 8.46   | A        | A         | A           | 0.00    |
| 160     | 7.9        | 0.2       | -5.50     | 6.49   | A        | A         | A           | 0.92    |
| 161     | 8.22       | 0.5       | -1.67     | 8.53   | A        | A         | A           | 0.28    |
| 162     | 7.9        | 0.5       | -5.50     | 8.71   | A        | A         | A           | 0.92    |
| 163     | 8.46       | 0.45      | 1.20      | 8.00   | A        | A         | A           | 0.20    |
| 164     | 8.07       | 0.60      | -3.47     | 9.54   | A        | A         | A           | 0.58    |
| 165     | 8.26       | 0.29      | -1.20     | 6.94   | A        | A         | A           | 0.20    |
| 166     | 8.6        | 0.4       | 2.87      | 7.58   | A        | A         | A           | 0.48    |
| 167     | 8.1        | 0.5       | -3.11     | 8.60   | A        | A         | A           | 0.52    |
| 168     | 11.43      | 0.54      | 36.72     | 7.62   | N        | N         | N           | 6.14    |
| 169     | 7.88       | 0.34      | -5.74     | 7.37   | A        | A         | A           | 0.96    |
| 171     | 9.35       | 0.4       | 11.84     | 7.35   | A        | A         | A           | 1.98    |
| 172     | 7.98       | 0.48      | -4.55     | 8.48   | A        | A         | A           | 0.76    |
| 173     | 8.36       | 0.29      | 0.00      | 6.91   | A        | A         | A           | 0.00    |
| 175     | 8.5        | 0.4       | 1.67      | 7.61   | A        | A         | A           | 0.28    |
| 177     | 8.2        | 0.5       | -1.91     | 8.54   | A        | A         | A           | 0.32    |
| 178     | 8.0        | 0.6       | -4.31     | 9.59   | A        | A         | A           | 0.72    |
| 179     | 8.5733     | 0.45604   | 2.55      | 8.00   | A        | A         | A           | 0.43    |
| 180     | 8.11       | 0.45      | -2.99     | 8.16   | A        | A         | A           | 0.50    |
| 182     | 8.5        | 0.4       | 1.67      | 7.61   | A        | A         | A           | 0.28    |
| 183     | 8.37       | 0.39      | 0.12      | 7.58   | A        | A         | A           | 0.02    |
| 184     | 8.37       | 0.36      | 0.12      | 7.37   | A        | A         | A           | 0.02    |
| 185     | 7.1        | 1.3       | -15.07    | 19.26  | A        | A         | A           | 2.52    |
| 186     | 7.1        | 2.8       | -15.07    | 39.89  | A        | N         | W           | 2.52    |

TABLE 18. Evaluation Results for Cs-137 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 187     | 8.2        | 0.5       | -1.91     | 8.54   | A        | A         | A           | 0.32    |
| 188     | 7.91       | 0.58      | -5.38     | 9.46   | A        | A         | A           | 0.90    |
| 189     | 8.48       | 0.74      | 1.44      | 10.58  | A        | A         | A           | 0.24    |
| 191     | 8.2        | 0.3       | -1.91     | 7.01   | A        | A         | A           | 0.32    |
| 192     | 8.25       | 0.67      | -1.32     | 10.09  | A        | A         | A           | 0.22    |
| 193     | 1.104      | 0.137     | -86.79    | 13.78  | N        | N         | N           | 14.51   |
| 194     | 30.2       | 5         | 261.24    | 17.60  | N        | N         | N           | 43.68   |
| 195     | 8.6        | 0.42      | 2.87      | 7.72   | A        | A         | A           | 0.48    |
| 196     | 8.21       | 0.364     | -1.79     | 7.44   | A        | A         | A           | 0.30    |
| 198     | 8.35       | 0.80      | -0.12     | 11.29  | A        | A         | A           | 0.02    |
| 201     | 8.5        | 0.5       | 1.67      | 8.39   | A        | A         | A           | 0.28    |
| 202     | 8.6        | 0.5       | 2.87      | 8.34   | A        | A         | A           | 0.48    |
| 203     | 8.2        | 0.5       | -1.91     | 8.54   | A        | A         | A           | 0.32    |
| 204     | 8.59       | 0.53      | 2.75      | 8.59   | A        | A         | A           | 0.46    |
| 206     | 8.01       | 0.05      | -4.19     | 6.01   | A        | A         | A           | 0.70    |
| 207     | 8.35       | 0.36      | -0.12     | 7.37   | A        | A         | A           | 0.02    |
| 209     | 8.57       | 1.6       | 2.51      | 19.60  | A        | A         | A           | 0.42    |
| 210     | 8.5        | 0.5       | 1.67      | 8.39   | A        | A         | A           | 0.28    |
| 213     | 8.5        | 0.4       | 1.67      | 7.61   | A        | A         | A           | 0.28    |
| 214     | 7.8        | 0.3       | -6.70     | 7.11   | A        | A         | A           | 1.12    |
| 215     | 8.22       | 0.74      | -1.67     | 10.81  | A        | A         | A           | 0.28    |
| 216     | 8.5        | 0.1       | 1.67      | 6.10   | A        | A         | A           | 0.28    |
| 217     | 8.43       | 0.54      | 0.84      | 8.76   | A        | A         | A           | 0.14    |
| 218     | 8.37       | 0.66      | 0.12      | 9.90   | A        | A         | A           | 0.02    |
| 219     | 8.5        | 0.17      | 1.67      | 6.31   | A        | A         | A           | 0.28    |
| 220     | 8.38       | 0.45      | 0.24      | 8.04   | A        | A         | A           | 0.04    |
| 221     | 8.39       | 0.23      | 0.36      | 6.58   | A        | A         | A           | 0.06    |
| 222     | 8.2        | 0.4       | -1.91     | 7.72   | A        | A         | A           | 0.32    |
| 223     | 8.38       | 0.1       | 0.24      | 6.10   | A        | A         | A           | 0.04    |
| 224     | 8.53       | 0.11      | 2.03      | 6.12   | A        | A         | A           | 0.34    |
| 226     | 8.69       | 0.56      | 3.95      | 8.79   | A        | A         | A           | 0.66    |
| 227     | 8.65       | 0.23      | 3.47      | 6.55   | A        | A         | A           | 0.58    |
| 228     | 9.45       | 1.28      | 13.04     | 14.81  | A        | A         | A           | 2.18    |
| 230     | 8.2        | 0.6       | -1.91     | 9.45   | A        | A         | A           | 0.32    |
| 231     | 7.3        | 0.7       | -12.68    | 11.30  | A        | A         | A           | 2.12    |
| 233     | 9.8        | 0.23      | 17.22     | 6.42   | A        | N         | W           | 2.88    |
| 234     | 8.40       | 0.40      | 0.48      | 7.65   | A        | A         | A           | 0.08    |
| 235     | 8.4        | 0.23      | 0.48      | 6.58   | A        | A         | A           | 0.08    |
| 237     | 8.21       | 0.20      | -1.79     | 6.46   | A        | A         | A           | 0.30    |
| 238     | 7.8        | 0.3       | -6.70     | 7.11   | A        | A         | A           | 1.12    |
| 239     | 7.61       | 1.1       | -8.97     | 15.64  | A        | A         | A           | 1.50    |
| 241     | 9.14       | 1.00      | 9.33      | 12.47  | A        | A         | A           | 1.56    |
| 243     | 8.58       | 0.41      | 2.63      | 7.66   | A        | A         | A           | 0.44    |
| 244     | 8.4        | 0.8       | 0.48      | 11.25  | A        | A         | A           | 0.08    |
| 246     | 8.8        | 0.5       | 5.26      | 8.25   | A        | A         | A           | 0.88    |
| 247     | 8.38       | 0.40      | 0.24      | 7.65   | A        | A         | A           | 0.04    |
| 248     | 8.43       | 0.29      | 0.84      | 6.90   | A        | A         | A           | 0.14    |
| 249     | 4.14       | 6         | -50.48    | 145.05 | N        | N         | N           | 8.44    |
| 250     | 7.70       | 0.17      | -7.89     | 6.38   | A        | A         | A           | 1.32    |
| 251     | 7.75       | 0.77      | -7.30     | 11.60  | A        | A         | A           | 1.22    |
| 253     | 8.08       | 0.15      | -3.35     | 6.26   | A        | A         | A           | 0.56    |
| 255     | 8.37       | 0.27      | 0.12      | 6.80   | A        | A         | A           | 0.02    |
| 256     | 8.7        | 0.47      | 4.07      | 8.06   | A        | A         | A           | 0.68    |
| 258     | 8.56       | 0.156     | 2.39      | 6.25   | A        | A         | A           | 0.40    |

TABLE 18. Evaluation Results for Cs-137 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 259     | 8.86       | 0.31      | 5.98      | 6.93   | A        | A         | A           | 1.00    |
| 261     | 8.21       | 0.6       | -1.79     | 9.44   | A        | A         | A           | 0.30    |
| 262     | 8.6        | 1.12      | 2.87      | 14.33  | A        | A         | A           | 0.48    |
| 263     | 8.099      | 0.570     | -3.12     | 9.24   | A        | A         | A           | 0.52    |
| 264     | 8.21       | 0.81      | -1.79     | 11.54  | A        | A         | A           | 0.30    |
| 265     | 7.68       | 0.22      | -8.13     | 6.63   | A        | A         | A           | 1.36    |
| 266     | 8.67       | 0.59      | 3.71      | 9.06   | A        | A         | A           | 0.62    |
| 269     | 7.95       | 0.46      | -4.90     | 8.32   | A        | A         | A           | 0.82    |
| 271     | 8.4        | 0.4       | 0.48      | 7.65   | A        | A         | A           | 0.08    |
| 272     | 8.23       | 0.86      | -1.56     | 12.04  | A        | A         | A           | 0.26    |
| 273     | 8.7        | 0.5       | 4.07      | 8.29   | A        | A         | A           | 0.68    |
| 274     | 10.10      | 1.93      | 20.81     | 20.02  | N        | N         | N           | 3.48    |
| 276     | 7.20       | 0.86      | -13.88    | 13.36  | A        | A         | A           | 2.32    |
| 278     | 7.5        | 0.8       | -10.29    | 12.23  | A        | A         | A           | 1.72    |
| 281     | 8.1        | 0.5       | -3.11     | 8.60   | A        | A         | A           | 0.52    |
| 284     | 8.74       | 0.42      | 4.55      | 7.67   | A        | A         | A           | 0.76    |
| 285     | 7.70       | 0.60      | -7.89     | 9.82   | A        | A         | A           | 1.32    |
| 286     | 8.7        | 0.4       | 4.07      | 7.54   | A        | A         | A           | 0.68    |
| 287     | 7.771      | 0.50      | -7.05     | 8.78   | A        | A         | A           | 1.18    |
| 288     | 7.5        | 0.8       | -10.29    | 12.23  | A        | A         | A           | 1.72    |
| 289     | 8.0        | 0.5       | -4.31     | 8.65   | A        | A         | A           | 0.72    |
| 290     | 7.88       | 0.40      | -5.74     | 7.84   | A        | A         | A           | 0.96    |
| 292     | 8.48       | 1.19      | 1.44      | 15.25  | A        | A         | A           | 0.24    |
| 295     | 8.40       | 0.43      | 0.48      | 7.87   | A        | A         | A           | 0.08    |
| 296     | 7.97       | 0.3       | -4.67     | 7.07   | A        | A         | A           | 0.78    |
| 297     | 0.31       | 0.10      | -96.29    | 32.81  | N        | N         | N           | 16.10   |
| 298     | 8.40       | 0.12      | 0.48      | 6.15   | A        | A         | A           | 0.08    |
| 299     | 8.05       | 0.15      | -3.71     | 6.26   | A        | A         | A           | 0.62    |
| 301     | 8.9        | 0.2       | 6.46      | 6.39   | A        | A         | A           | 1.08    |
| 303     | 8.39       | 0.18      | 0.36      | 6.35   | A        | A         | A           | 0.06    |
| 305     | 7.563      | 1.433     | -9.53     | 19.87  | A        | A         | A           | 1.59    |
| 306     | 8.4        | 0.3       | 0.48      | 6.97   | A        | A         | A           | 0.08    |
| 307     | 7.91       | 0.24      | -5.38     | 6.71   | A        | A         | A           | 0.90    |
| 309     | 8.755      | 0.8686    | 4.72      | 11.58  | A        | A         | A           | 0.79    |
| 310     | 8.49       | 0.8       | 1.56      | 11.16  | A        | A         | A           | 0.26    |
| 312     | 8.57       | 0.32      | 2.51      | 7.05   | A        | A         | A           | 0.42    |
| 313     | 8.4        | 0.5       | 0.48      | 8.44   | A        | A         | A           | 0.08    |

## Reported Results for Po-210 Determination in Sample 2

TABLE 19. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 5.29  |
| UNC, Bq/kg          | 0.32  |
| MARB, %             | 30    |

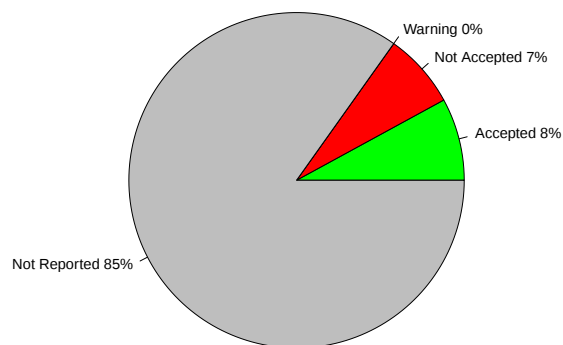


FIGURE 19. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

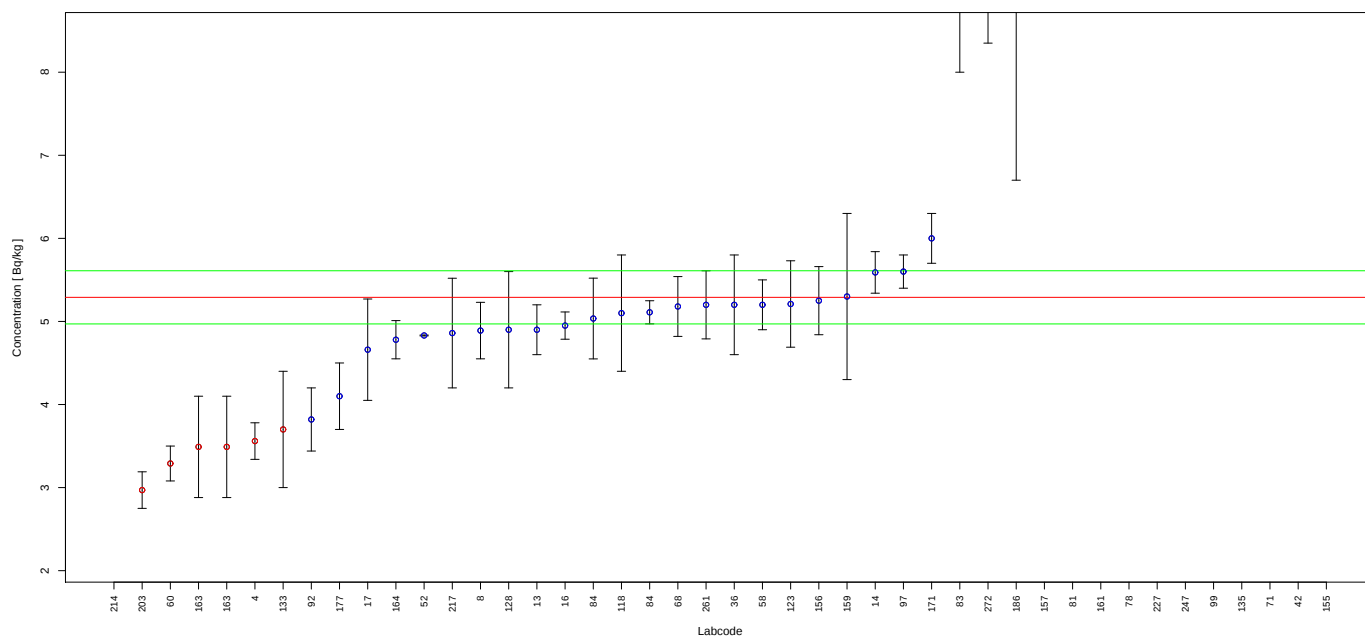


FIGURE 20. Reported results and evaluation parameters for Po-210. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 20. Evaluation Results for Po-210 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 3.56       | 0.22      | -32.70    | 8.65   | N        | N         | N           | 5.41    |
| 8       | 4.89       | 0.34      | -7.56     | 9.22   | A        | A         | A           | 1.25    |
| 13      | 4.9        | 0.3       | -7.37     | 8.61   | A        | A         | A           | 1.22    |
| 14      | 5.59       | 0.25      | 5.67      | 7.52   | A        | A         | A           | 0.94    |
| 16      | 4.95       | 0.164     | -6.43     | 6.90   | A        | A         | A           | 1.06    |
| 17      | 4.66       | 0.61      | -11.91    | 14.42  | A        | A         | A           | 1.97    |
| 36      | 5.2        | 0.6       | -1.70     | 13.03  | A        | A         | A           | 0.28    |
| 42      | 16.83      | 1.81      | 218.15    | 12.34  | N        | N         | N           | 36.06   |
| 52      | 4.831      | 0.0053    | -8.68     | 6.05   | A        | A         | A           | 1.43    |
| 58      | 5.2        | 0.3       | -1.70     | 8.36   | A        | A         | A           | 0.28    |
| 60      | 3.29       | 0.21      | -37.81    | 8.79   | N        | N         | N           | 6.25    |
| 68      | 5.18       | 0.36      | -2.08     | 9.21   | A        | A         | A           | 0.34    |
| 71      | 16.43      | 0.37      | 210.59    | 6.45   | N        | N         | N           | 34.81   |
| 78      | 14.46      | 0.82      | 173.35    | 8.29   | N        | N         | N           | 28.66   |
| 81      | 11.9       | 0.4       | 124.95    | 6.92   | N        | N         | N           | 20.66   |
| 83      | 9.0        | 1.0       | 70.13     | 12.65  | N        | N         | N           | 11.59   |
| 84      | 5.110      | 0.139     | -3.40     | 6.63   | A        | A         | A           | 0.56    |
| 84      | 5.035      | 0.486     | -4.82     | 11.39  | A        | A         | A           | 0.80    |
| 92      | 3.82       | 0.38      | -27.79    | 11.64  | A        | A         | A           | 4.59    |
| 97      | 5.60       | 0.20      | 5.86      | 7.02   | A        | A         | A           | 0.97    |
| 99      | 15.82      | 3.01      | 199.05    | 19.97  | N        | N         | N           | 32.91   |
| 118     | 5.1        | 0.7       | -3.59     | 15.00  | A        | A         | A           | 0.59    |
| 123     | 5.21       | 0.52      | -1.51     | 11.67  | A        | A         | A           | 0.25    |
| 128     | 4.9        | 0.7       | -7.37     | 15.51  | A        | A         | A           | 1.22    |
| 133     | 3.7        | 0.7       | -30.06    | 19.86  | N        | A         | N           | 4.97    |
| 135     | 16         | 1         | 202.46    | 8.70   | N        | N         | N           | 33.47   |
| 155     | 18.05      | 0.96      | 241.21    | 8.05   | N        | N         | N           | 39.88   |
| 156     | 5.25       | 0.41      | -0.76     | 9.88   | A        | A         | A           | 0.13    |
| 157     | 11.2       | 1.5       | 111.72    | 14.70  | N        | N         | N           | 18.47   |
| 159     | 5.3        | 1.0       | 0.19      | 19.81  | A        | A         | A           | 0.03    |
| 161     | 12.75      | 1.17      | 141.02    | 10.99  | N        | N         | N           | 23.31   |
| 163     | 3.49       | 0.61      | -34.03    | 18.50  | N        | A         | N           | 5.62    |
| 163     | 3.49       | 0.61      | -34.03    | 18.50  | N        | A         | N           | 5.62    |
| 164     | 4.78       | 0.23      | -9.64     | 7.73   | A        | A         | A           | 1.59    |
| 171     | 6          | 0.3       | 13.42     | 7.85   | A        | A         | A           | 2.22    |
| 177     | 4.1        | 0.4       | -22.50    | 11.48  | A        | A         | A           | 3.72    |
| 186     | 9.5        | 2.8       | 79.58     | 30.09  | N        | N         | N           | 13.16   |
| 203     | 2.97       | 0.22      | -43.86    | 9.56   | N        | N         | N           | 7.25    |
| 214     | 1.42       | 0.04      | -73.16    | 6.67   | N        | N         | N           | 12.09   |
| 217     | 4.86       | 0.66      | -8.13     | 14.87  | A        | A         | A           | 1.34    |
| 227     | 14.8       | 1.1       | 179.77    | 9.58   | N        | N         | N           | 29.72   |
| 247     | 15.3       | 2.4       | 189.22    | 16.81  | N        | N         | N           | 31.28   |
| 261     | 5.20       | 0.41      | -1.70     | 9.94   | A        | A         | A           | 0.28    |
| 272     | 9.45       | 1.1       | 78.64     | 13.12  | N        | N         | N           | 13.00   |

## Reported Results for Pb-210 Determination in Sample 2

TABLE 21. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 5.2   |
| UNC, Bq/kg          | 0.31  |
| MARB, %             | 30    |

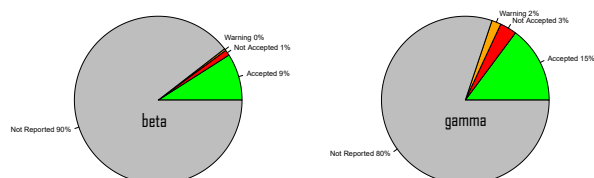


FIGURE 21. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

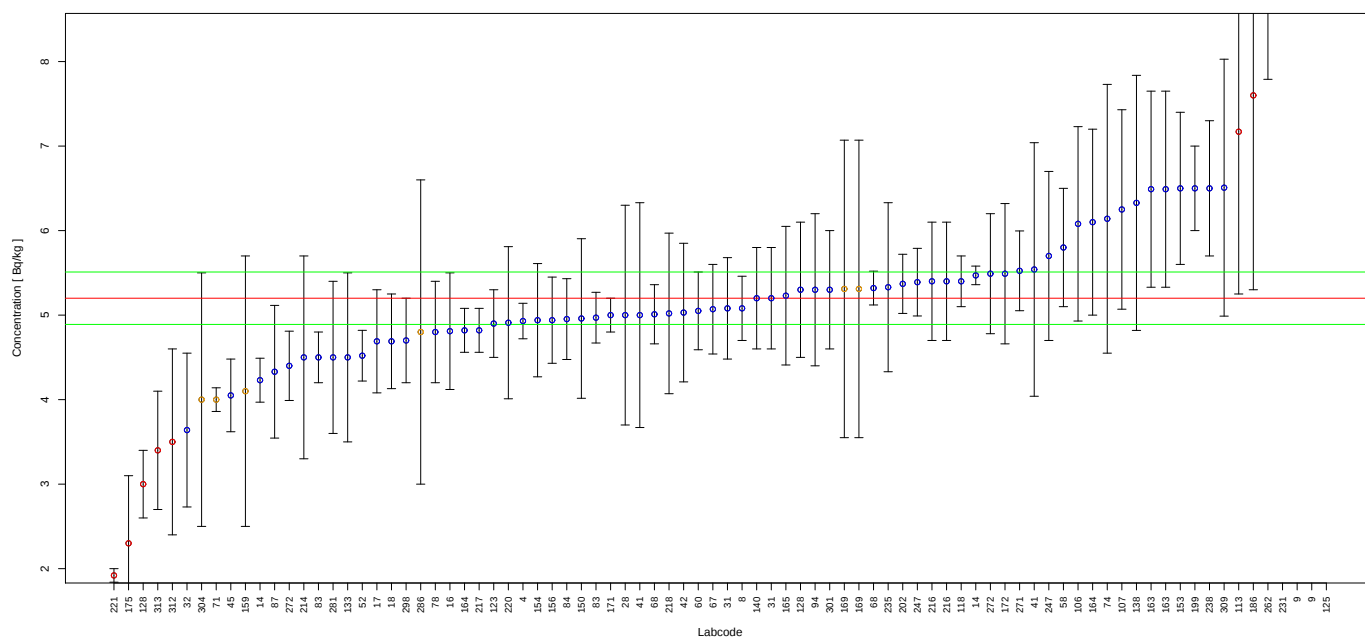


FIGURE 22. Reported results and evaluation parameters for Pb-210. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 22. Evaluation Results for Pb-210 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 4.93       | 0.21      | -5.19     | 7.33   | A        | A         | A           | 0.87    |
| 8       | 5.08       | 0.38      | -2.31     | 9.57   | A        | A         | A           | 0.39    |
| 9       | 36.98      | 9.93      | 611.15    | 27.51  | N        | N         | N           | 102.52  |
| 9       | 36.98      | 9.93      | 611.15    | 27.51  | N        | N         | N           | 102.52  |
| 14      | 5.47       | 0.11      | 5.19      | 6.29   | A        | A         | A           | 0.87    |
| 14      | 4.23       | 0.26      | -18.65    | 8.56   | A        | A         | A           | 3.13    |
| 16      | 4.81       | 0.69      | -7.50     | 15.53  | A        | A         | A           | 1.26    |
| 17      | 4.69       | 0.61      | -9.81     | 14.31  | A        | A         | A           | 1.65    |

TABLE 22. Evaluation Results for Pb-210 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 18      | 4.69       | 0.56      | -9.81     | 13.35  | A        | A         | A           | 1.65    |
| 28      | 5.0        | 1.3       | -3.85     | 26.67  | A        | A         | A           | 0.65    |
| 31      | 5.08       | 0.6       | -2.31     | 13.23  | A        | A         | A           | 0.39    |
| 31      | 5.20       | 0.6       | 0.00      | 12.99  | A        | A         | A           | 0.00    |
| 32      | 3.64       | 0.91      | -30.00    | 25.70  | A        | A         | A           | 5.03    |
| 41      | 5.54       | 1.5       | 6.54      | 27.72  | A        | A         | A           | 1.10    |
| 41      | 5          | 1.33      | -3.85     | 27.26  | A        | A         | A           | 0.65    |
| 42      | 5.03       | 0.82      | -3.27     | 17.36  | A        | A         | A           | 0.55    |
| 45      | 4.05       | 0.43      | -22.12    | 12.18  | A        | A         | A           | 3.71    |
| 52      | 4.52       | 0.3       | -13.08    | 8.92   | A        | A         | A           | 2.19    |
| 58      | 5.8        | 0.7       | 11.54     | 13.46  | A        | A         | A           | 1.94    |
| 60      | 5.05       | 0.46      | -2.88     | 10.89  | A        | A         | A           | 0.48    |
| 67      | 5.07       | 0.53      | -2.50     | 12.03  | A        | A         | A           | 0.42    |
| 68      | 5.01       | 0.35      | -3.65     | 9.18   | A        | A         | A           | 0.61    |
| 68      | 5.32       | 0.20      | 2.31      | 7.05   | A        | A         | A           | 0.39    |
| 71      | 4.00       | 0.14      | -23.08    | 6.91   | A        | N         | W           | 3.87    |
| 74      | 6.14       | 1.59      | 18.08     | 26.57  | A        | A         | A           | 3.03    |
| 78      | 4.8        | 0.6       | -7.69     | 13.85  | A        | A         | A           | 1.29    |
| 83      | 4.5        | 0.3       | -13.46    | 8.94   | A        | A         | A           | 2.26    |
| 83      | 4.97       | 0.30      | -4.42     | 8.48   | A        | A         | A           | 0.74    |
| 84      | 4.953      | 0.478     | -4.75     | 11.34  | A        | A         | A           | 0.80    |
| 87      | 4.33       | 0.785     | -16.73    | 19.08  | A        | A         | A           | 2.81    |
| 94      | 5.3        | 0.9       | 1.92      | 18.00  | A        | A         | A           | 0.32    |
| 106     | 6.08       | 1.15      | 16.92     | 19.83  | A        | A         | A           | 2.84    |
| 107     | 6.25       | 1.18      | 20.19     | 19.80  | A        | A         | A           | 3.39    |
| 113     | 7.17       | 1.92      | 37.88     | 27.43  | N        | A         | N           | 6.35    |
| 118     | 5.4        | 0.3       | 3.85      | 8.15   | A        | A         | A           | 0.65    |
| 123     | 4.9        | 0.4       | -5.77     | 10.11  | A        | A         | A           | 0.97    |
| 125     | 76.33      | 3.82      | 1367.88   | 7.78   | N        | N         | N           | 229.45  |
| 128     | 5.3        | 0.8       | 1.92      | 16.23  | A        | A         | A           | 0.32    |
| 128     | 3.0        | 0.4       | -42.31    | 14.61  | N        | N         | N           | 7.10    |
| 133     | 4.5        | 1.0       | -13.46    | 23.01  | A        | A         | A           | 2.26    |
| 138     | 6.328      | 1.509     | 21.69     | 24.58  | A        | A         | A           | 3.64    |
| 140     | 5.2        | 0.6       | 0.00      | 12.99  | A        | A         | A           | 0.00    |
| 150     | 4.96       | 0.944     | -4.62     | 19.94  | A        | A         | A           | 0.77    |
| 153     | 6.5        | 0.9       | 25.00     | 15.08  | A        | A         | A           | 4.19    |
| 154     | 4.94       | 0.67      | -5.00     | 14.82  | A        | A         | A           | 0.84    |
| 156     | 4.94       | 0.51      | -5.00     | 11.92  | A        | A         | A           | 0.84    |
| 159     | 4.1        | 1.6       | -21.15    | 39.48  | A        | N         | W           | 3.55    |
| 163     | 6.49       | 1.16      | 24.81     | 18.84  | A        | A         | A           | 4.16    |
| 163     | 6.49       | 1.16      | 24.81     | 18.84  | A        | A         | A           | 4.16    |
| 164     | 4.82       | 0.26      | -7.31     | 8.04   | A        | A         | A           | 1.23    |
| 164     | 6.1        | 1.1       | 17.31     | 18.99  | A        | A         | A           | 2.90    |
| 165     | 5.23       | 0.82      | 0.58      | 16.77  | A        | A         | A           | 0.10    |
| 169     | 5.31       | 1.76      | 2.12      | 33.68  | A        | N         | W           | 0.35    |
| 169     | 5.31       | 1.76      | 2.12      | 33.68  | A        | N         | W           | 0.35    |
| 171     | 5.0        | 0.2       | -3.85     | 7.18   | A        | A         | A           | 0.65    |
| 172     | 5.49       | 0.83      | 5.58      | 16.25  | A        | A         | A           | 0.94    |
| 175     | 2.3        | 0.8       | -55.77    | 35.29  | N        | N         | N           | 9.35    |
| 186     | 7.6        | 2.3       | 46.15     | 30.84  | N        | N         | N           | 7.74    |
| 199     | 6.50       | 0.50      | 25.00     | 9.73   | A        | A         | A           | 4.19    |
| 202     | 5.37       | 0.35      | 3.27      | 8.83   | A        | A         | A           | 0.55    |
| 214     | 4.5        | 1.2       | -13.46    | 27.32  | A        | A         | A           | 2.26    |
| 216     | 5.4        | 0.7       | 3.85      | 14.27  | A        | A         | A           | 0.65    |

TABLE 22. Evaluation Results for Pb-210 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 216     | 5.4        | 0.7       | 3.85      | 14.27  | A        | A         | A           | 0.65    |
| 217     | 4.82       | 0.26      | -7.31     | 8.04   | A        | A         | A           | 1.23    |
| 218     | 5.02       | 0.95      | -3.46     | 19.84  | A        | A         | A           | 0.58    |
| 220     | 4.91       | 0.9       | -5.58     | 19.28  | A        | A         | A           | 0.94    |
| 221     | 1.92       | 0.08      | -63.08    | 7.27   | N        | N         | N           | 10.58   |
| 231     | 23.2       | 2.3       | 346.15    | 11.57  | N        | N         | N           | 58.06   |
| 235     | 5.33       | 1.0       | 2.50      | 19.69  | A        | A         | A           | 0.42    |
| 238     | 6.5        | 0.8       | 25.00     | 13.68  | A        | A         | A           | 4.19    |
| 247     | 5.39       | 0.40      | 3.65      | 9.52   | A        | A         | A           | 0.61    |
| 247     | 5.7        | 1.0       | 9.62      | 18.53  | A        | A         | A           | 1.61    |
| 262     | 8.95       | 1.16      | 72.12     | 14.27  | N        | N         | N           | 12.10   |
| 271     | 5.524      | 0.472     | 6.23      | 10.42  | A        | A         | A           | 1.05    |
| 272     | 4.4        | 0.41      | -15.38    | 11.06  | A        | A         | A           | 2.58    |
| 272     | 5.49       | 0.71      | 5.58      | 14.24  | A        | A         | A           | 0.94    |
| 281     | 4.5        | 0.9       | -13.46    | 20.87  | A        | A         | A           | 2.26    |
| 286     | 4.8        | 1.8       | -7.69     | 37.97  | A        | N         | W           | 1.29    |
| 298     | 4.7        | 0.5       | -9.62     | 12.19  | A        | A         | A           | 1.61    |
| 301     | 5.3        | 0.7       | 1.92      | 14.49  | A        | A         | A           | 0.32    |
| 304     | 4.0        | 1.5       | -23.08    | 37.97  | A        | N         | W           | 3.87    |
| 309     | 6.508      | 1.52      | 25.15     | 24.10  | A        | A         | A           | 4.22    |
| 312     | 3.5        | 1.1       | -32.69    | 31.99  | N        | N         | N           | 5.48    |
| 313     | 3.4        | 0.7       | -34.62    | 21.43  | N        | A         | N           | 5.81    |

## Reported Results for Am-241 Determination in Sample 2

TABLE 23. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 10.1  |
| UNC, Bq/kg          | 0.6   |
| MARB, %             | 30    |

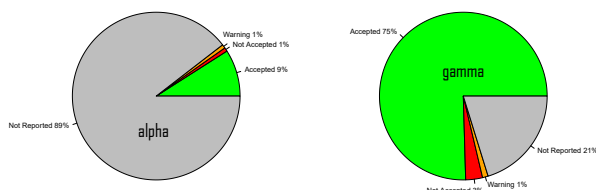


FIGURE 23. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

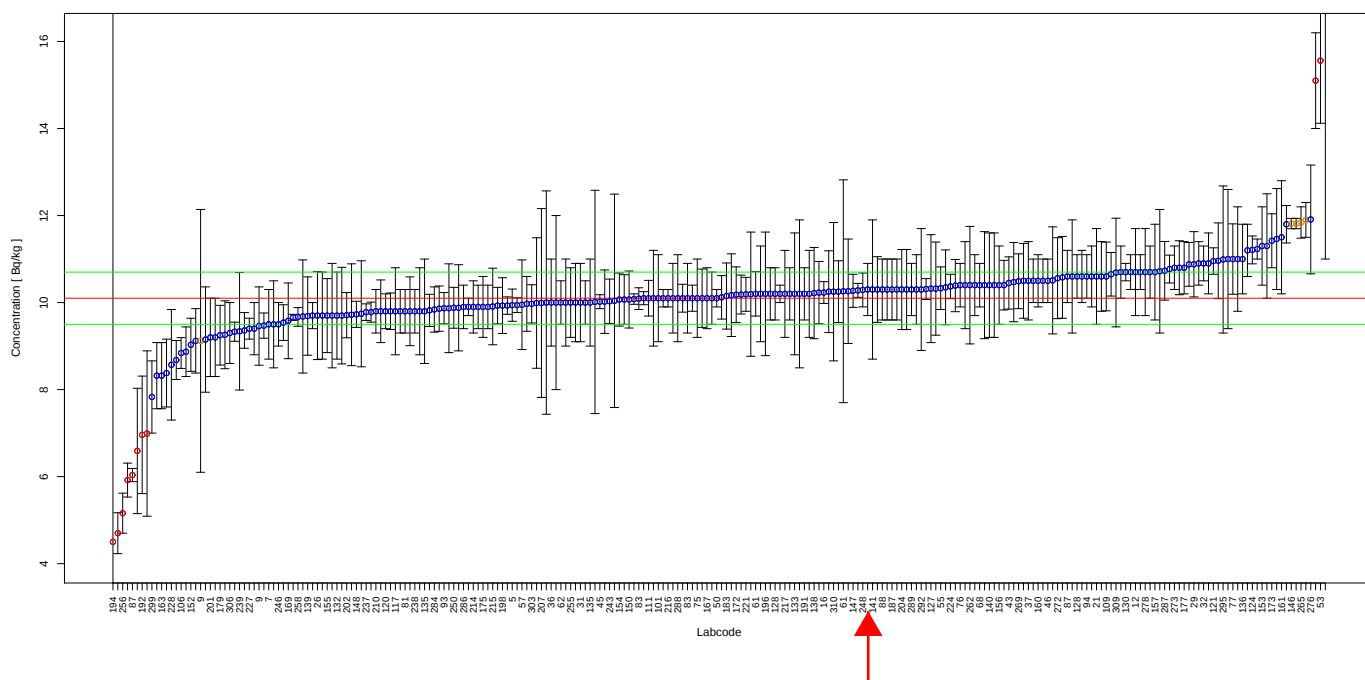


FIGURE 24. Reported results and evaluation parameters for Am-241. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 24. Evaluation Results for Am-241 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 9.15       | 1.21      | -9.41     | 14.50  | A        | A         | A           | 1.58    |
| 4       | 9.94       | 0.17      | -1.58     | 6.18   | A        | A         | A           | 0.27    |
| 5       | 9.94       | 0.37      | -1.58     | 7.01   | A        | A         | A           | 0.27    |
| 7       | 9.5        | 0.8       | -5.94     | 10.31  | A        | A         | A           | 1.00    |
| 8       | 10.2       | 1.0       | 0.99      | 11.46  | A        | A         | A           | 0.17    |
| 9       | 9.12       | 3.02      | -9.70     | 33.64  | A        | N         | W           | 1.63    |
| 9       | 9.46       | 0.90      | -6.34     | 11.22  | A        | A         | A           | 1.07    |
| 11      | 9.80       | 0.72      | -2.97     | 9.45   | A        | A         | A           | 0.50    |

TABLE 24. Evaluation Results for Am-241 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 12      | 10.7       | 1.0       | 5.94      | 11.07  | A        | A         | A           | 1.00    |
| 13      | 10         | 1         | -0.99     | 11.63  | A        | A         | A           | 0.17    |
| 14      | 10.10      | 0.32      | 0.00      | 6.73   | A        | A         | A           | 0.00    |
| 14      | 9.82       | 0.37      | -2.77     | 7.03   | A        | A         | A           | 0.47    |
| 16      | 10.23      | 0.25      | 1.29      | 6.42   | A        | A         | A           | 0.22    |
| 18      | 10.47      | 0.91      | 3.66      | 10.53  | A        | A         | A           | 0.62    |
| 19      | 10.72      | 1.42      | 6.14      | 14.52  | A        | A         | A           | 1.03    |
| 20      | 11.3       | 1.2       | 11.88     | 12.17  | A        | A         | A           | 2.00    |
| 21      | 10.6       | 1.1       | 4.95      | 11.96  | A        | A         | A           | 0.83    |
| 22      | 10.020     | 0.729     | -0.79     | 9.39   | A        | A         | A           | 0.13    |
| 24      | 10.3       | 0.8       | 1.98      | 9.78   | A        | A         | A           | 0.33    |
| 26      | 9.7        | 1.01      | -3.96     | 11.99  | A        | A         | A           | 0.67    |
| 26      | 9.7        | 1         | -3.96     | 11.90  | A        | A         | A           | 0.67    |
| 28      | 10.9       | 0.5       | 7.92      | 7.51   | A        | A         | A           | 1.33    |
| 29      | 10.88      | 0.75      | 7.72      | 9.10   | A        | A         | A           | 1.30    |
| 31      | 10.0       | 0.9       | -0.99     | 10.78  | A        | A         | A           | 0.17    |
| 31      | 10.0       | 0.9       | -0.99     | 10.78  | A        | A         | A           | 0.17    |
| 32      | 10.9       | 0.4       | 7.92      | 6.98   | A        | A         | A           | 1.33    |
| 33      | 6.59       | 1.44      | -34.75    | 22.64  | N        | A         | N           | 5.85    |
| 34      | 10.25      | 0.71      | 1.49      | 9.13   | A        | A         | A           | 0.25    |
| 35      | 9.7        | 0.3       | -3.96     | 6.70   | A        | A         | A           | 0.67    |
| 36      | 10         | 1         | -0.99     | 11.63  | A        | A         | A           | 0.17    |
| 36      | 10         | 2         | -0.99     | 20.86  | A        | A         | A           | 0.17    |
| 37      | 10.5       | 0.9       | 3.96      | 10.43  | A        | A         | A           | 0.67    |
| 39      | 10.4       | 0.7       | 2.97      | 8.98   | A        | A         | A           | 0.50    |
| 40      | 9.9        | 0.2       | -1.98     | 6.27   | A        | A         | A           | 0.33    |
| 41      | 10.4       | 1.23      | 2.97      | 13.24  | A        | A         | A           | 0.50    |
| 42      | 5.92       | 0.39      | -41.39    | 8.87   | N        | N         | N           | 6.97    |
| 43      | 10.45      | 0.6       | 3.47      | 8.26   | A        | A         | A           | 0.58    |
| 45      | 10.02      | 0.16      | -0.79     | 6.15   | A        | A         | A           | 0.13    |
| 46      | 10.5       | 0.5       | 3.96      | 7.61   | A        | A         | A           | 0.67    |
| 47      | 10.2       | 1.7       | 0.99      | 17.69  | A        | A         | A           | 0.17    |
| 49      | 10.1       | 0.3       | 0.00      | 6.64   | A        | A         | A           | 0.00    |
| 50      | 10.1       | 0.2       | 0.00      | 6.26   | A        | A         | A           | 0.00    |
| 51      | 10.2       | 0.2       | 0.99      | 6.26   | A        | A         | A           | 0.17    |
| 52      | 10.96      | 0.87      | 8.51      | 9.91   | A        | A         | A           | 1.43    |
| 53      | 15.56      | 1.44      | 54.06     | 11.00  | N        | N         | N           | 9.10    |
| 55      | 10.33      | 0.49      | 2.28      | 7.60   | A        | A         | A           | 0.38    |
| 56      | 9.4        | 0.6       | -6.93     | 8.72   | A        | A         | A           | 1.17    |
| 57      | 9.95       | 1.03      | -1.49     | 11.94  | A        | A         | A           | 0.25    |
| 58      | 9.80       | 0.79      | -2.97     | 10.01  | A        | A         | A           | 0.50    |
| 59      | 10.1       | 0.6       | 0.00      | 8.40   | A        | A         | A           | 0.00    |
| 60      | 10.58      | 0.94      | 4.75      | 10.69  | A        | A         | A           | 0.80    |
| 61      | 10.26      | 2.56      | 1.58      | 25.65  | A        | A         | A           | 0.27    |
| 61      | 10.2       | 0.51      | 0.99      | 7.76   | A        | A         | A           | 0.17    |
| 62      | 10.0       | 0.5       | -0.99     | 7.76   | A        | A         | A           | 0.17    |
| 63      | 10.50      | 0.86      | 3.96      | 10.12  | A        | A         | A           | 0.67    |
| 64      | 10.2       | 1.1       | 0.99      | 12.31  | A        | A         | A           | 0.17    |
| 67      | 9.97       | 0.63      | -1.29     | 8.67   | A        | A         | A           | 0.22    |
| 68      | 10.4       | 0.5       | 2.97      | 7.64   | A        | A         | A           | 0.50    |
| 69      | 9.78       | 0.23      | -3.17     | 6.39   | A        | A         | A           | 0.53    |
| 70      | 11.0       | 1.6       | 8.91      | 15.71  | A        | A         | A           | 1.50    |
| 71      | 10.08      | 0.12      | -0.20     | 6.06   | A        | A         | A           | 0.03    |
| 74      | 10.35      | 0.86      | 2.48      | 10.21  | A        | A         | A           | 0.42    |

TABLE 24. Evaluation Results for Am-241 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 75      | 10.1       | 0.9       | 0.00      | 10.71  | A        | A         | A           | 0.00    |
| 76      | 10.4       | 0.50      | 2.97      | 7.64   | A        | A         | A           | 0.50    |
| 77      | 11.0       | 0.809     | 8.91      | 9.45   | A        | A         | A           | 1.50    |
| 78      | 10.0       | 0.5       | -0.99     | 7.76   | A        | A         | A           | 0.17    |
| 79      | 6.99       | 1.90      | -30.79    | 27.82  | N        | A         | N           | 5.18    |
| 81      | 9.8        | 0.5       | -2.97     | 7.83   | A        | A         | A           | 0.50    |
| 81      | 9.8        | 0.5       | -2.97     | 7.83   | A        | A         | A           | 0.50    |
| 83      | 10.1       | 0.8       | 0.00      | 9.90   | A        | A         | A           | 0.00    |
| 83      | 10.09      | 0.25      | -0.10     | 6.44   | A        | A         | A           | 0.02    |
| 84      | 10.184     | 0.447     | 0.83      | 7.39   | A        | A         | A           | 0.14    |
| 84      | 10.878     | 0.503     | 7.70      | 7.53   | A        | A         | A           | 1.30    |
| 87      | 6.036      | 0.1518    | -40.24    | 6.45   | N        | N         | N           | 6.77    |
| 87      | 10.6       | 0.6       | 4.95      | 8.21   | A        | A         | A           | 0.83    |
| 88      | 10.3       | 0.7       | 1.98      | 9.03   | A        | A         | A           | 0.33    |
| 88      | 10.3       | 0.7       | 1.98      | 9.03   | A        | A         | A           | 0.33    |
| 90      | 9.68       | 1.30      | -4.16     | 14.68  | A        | A         | A           | 0.70    |
| 91      | 10.5       | 0.5       | 3.96      | 7.61   | A        | A         | A           | 0.67    |
| 92      | 8.87       | 0.57      | -12.18    | 8.75   | A        | A         | A           | 2.05    |
| 93      | 9.87       | 0.36      | -2.28     | 6.97   | A        | A         | A           | 0.38    |
| 94      | 10.6       | 0.5       | 4.95      | 7.59   | A        | A         | A           | 0.83    |
| 96      | 9.93       | 0.42      | -1.68     | 7.29   | A        | A         | A           | 0.28    |
| 97      | 11.23      | 0.23      | 11.19     | 6.28   | A        | A         | A           | 1.88    |
| 98      | 10.3       | 0.6       | 1.98      | 8.32   | A        | A         | A           | 0.33    |
| 101     | 10.1       | 1         | 0.00      | 11.55  | A        | A         | A           | 0.00    |
| 106     | 8.84       | 0.354     | -12.48    | 7.16   | A        | A         | A           | 2.10    |
| 107     | 9.87       | 1.02      | -2.28     | 11.92  | A        | A         | A           | 0.38    |
| 109     | 10.60      | 0.79      | 4.95      | 9.53   | A        | A         | A           | 0.83    |
| 110     | 10.3       | 0.755     | 1.98      | 9.44   | A        | A         | A           | 0.33    |
| 111     | 10.1       | 0.41      | 0.00      | 7.20   | A        | A         | A           | 0.00    |
| 113     | 9.33       | 0.22      | -7.62     | 6.39   | A        | A         | A           | 1.28    |
| 114     | 10.7       | 0.6       | 5.94      | 8.17   | A        | A         | A           | 1.00    |
| 115     | 10.07      | 0.57      | -0.30     | 8.21   | A        | A         | A           | 0.05    |
| 117     | 9.8        | 1.0       | -2.97     | 11.81  | A        | A         | A           | 0.50    |
| 118     | 9.8        | 1         | -2.97     | 11.81  | A        | A         | A           | 0.50    |
| 119     | 9.742      | 1.218     | -3.54     | 13.84  | A        | A         | A           | 0.60    |
| 119     | 10.193     | 1.427     | 0.92      | 15.21  | A        | A         | A           | 0.15    |
| 120     | 9.8        | 0.4       | -2.97     | 7.21   | A        | A         | A           | 0.50    |
| 121     | 10.954     | 0.304     | 8.46      | 6.56   | A        | A         | A           | 1.42    |
| 123     | 9.5        | 1.0       | -5.94     | 12.09  | A        | A         | A           | 1.00    |
| 124     | 11.21      | 0.32      | 10.99     | 6.59   | A        | A         | A           | 1.85    |
| 126     | 10.39      | 0.6       | 2.87      | 8.28   | A        | A         | A           | 0.48    |
| 127     | 10.32      | 1.24      | 2.18      | 13.40  | A        | A         | A           | 0.37    |
| 128     | 10.2       | 0.6       | 0.99      | 8.36   | A        | A         | A           | 0.17    |
| 128     | 10.6       | 0.5       | 4.95      | 7.59   | A        | A         | A           | 0.83    |
| 129     | 10.6       | 0.6       | 4.95      | 8.21   | A        | A         | A           | 0.83    |
| 130     | 10.7       | 0.2       | 5.94      | 6.23   | A        | A         | A           | 1.00    |
| 132     | 9.7        | 1.0       | -3.96     | 11.90  | A        | A         | A           | 0.67    |
| 133     | 9.7        | 1.2       | -3.96     | 13.72  | A        | A         | A           | 0.67    |
| 133     | 10.2       | 1.4       | 0.99      | 14.96  | A        | A         | A           | 0.17    |
| 134     | 11.46      | 1.16      | 13.47     | 11.74  | A        | A         | A           | 2.27    |
| 135     | 10         | 1         | -0.99     | 11.63  | A        | A         | A           | 0.17    |
| 135     | 9.8        | 1.2       | -2.97     | 13.61  | A        | A         | A           | 0.50    |
| 136     | 11.0       | 0.8       | 8.91      | 9.39   | A        | A         | A           | 1.50    |
| 137     | 9.47       | 0.29      | -6.24     | 6.68   | A        | A         | A           | 1.05    |

TABLE 24. Evaluation Results for Am-241 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 138     | 10.218     | 1.049     | 1.17      | 11.86  | A        | A         | A           | 0.20    |
| 139     | 9.69       | 0.9       | -4.06     | 11.03  | A        | A         | A           | 0.68    |
| 139     | 10.1       | 0.15      | 0.00      | 6.12   | A        | A         | A           | 0.00    |
| 140     | 10.1       | 0.67      | 0.00      | 8.90   | A        | A         | A           | 0.00    |
| 140     | 10.4       | 1.2       | 2.97      | 12.98  | A        | A         | A           | 0.50    |
| 141     | 10.3       | 1.6       | 1.98      | 16.63  | A        | A         | A           | 0.33    |
| 143     | 10.4       | 0.57      | 2.97      | 8.08   | A        | A         | A           | 0.50    |
| 145     | 10.7       | 0.4       | 5.94      | 7.02   | A        | A         | A           | 1.00    |
| 146     | 11.816     | 0.119     | 16.99     | 6.03   | A        | N         | W           | 2.86    |
| 146     | 11.816     | 0.119     | 16.99     | 6.03   | A        | N         | W           | 2.86    |
| 147     | 10.27      | 0.38      | 1.68      | 7.00   | A        | A         | A           | 0.28    |
| 148     | 9.73       | 0.30      | -3.66     | 6.69   | A        | A         | A           | 0.62    |
| 149     | 15.1       | 1.1       | 49.50     | 9.40   | N        | N         | N           | 8.33    |
| 150     | 10.070     | 0.655     | -0.30     | 8.81   | A        | A         | A           | 0.05    |
| 152     | 9.03       | 0.61      | -10.59    | 9.00   | A        | A         | A           | 1.78    |
| 153     | 11.3       | 0.9       | 11.88     | 9.94   | A        | A         | A           | 2.00    |
| 154     | 10.07      | 0.61      | -0.30     | 8.48   | A        | A         | A           | 0.05    |
| 155     | 9.70       | 0.85      | -3.96     | 10.59  | A        | A         | A           | 0.67    |
| 156     | 10.4       | 0.9       | 2.97      | 10.50  | A        | A         | A           | 0.50    |
| 157     | 10.7       | 1.1       | 5.94      | 11.87  | A        | A         | A           | 1.00    |
| 158     | 10.229     | 0.716     | 1.28      | 9.18   | A        | A         | A           | 0.21    |
| 159     | 10.5       | 0.5       | 3.96      | 7.61   | A        | A         | A           | 0.67    |
| 160     | 10.5       | 0.6       | 3.96      | 8.24   | A        | A         | A           | 0.67    |
| 161     | 11.5       | 1.3       | 13.86     | 12.77  | A        | A         | A           | 2.33    |
| 162     | 10.1       | 1.1       | 0.00      | 12.41  | A        | A         | A           | 0.00    |
| 163     | 8.32       | 0.76      | -17.62    | 10.90  | A        | A         | A           | 2.97    |
| 163     | 8.32       | 0.76      | -17.62    | 10.90  | A        | A         | A           | 2.97    |
| 164     | 10.6       | 1.3       | 4.95      | 13.63  | A        | A         | A           | 0.83    |
| 165     | 10.77      | 0.32      | 6.63      | 6.64   | A        | A         | A           | 1.12    |
| 166     | 10.7       | 0.6       | 5.94      | 8.17   | A        | A         | A           | 1.00    |
| 167     | 10.1       | 0.7       | 0.00      | 9.13   | A        | A         | A           | 0.00    |
| 169     | 9.58       | 0.87      | -5.15     | 10.85  | A        | A         | A           | 0.87    |
| 171     | 11.2       | 0.6       | 10.89     | 8.00   | A        | A         | A           | 1.83    |
| 172     | 10.18      | 0.64      | 0.79      | 8.65   | A        | A         | A           | 0.13    |
| 173     | 11.42      | 0.62      | 13.07     | 8.05   | A        | A         | A           | 2.20    |
| 175     | 9.9        | 0.7       | -1.98     | 9.24   | A        | A         | A           | 0.33    |
| 177     | 10.8       | 0.6       | 6.93      | 8.13   | A        | A         | A           | 1.17    |
| 178     | 11.0       | 1.2       | 8.91      | 12.42  | A        | A         | A           | 1.50    |
| 179     | 9.2501     | 0.68596   | -8.41     | 9.50   | A        | A         | A           | 1.42    |
| 180     | 9.12       | 0.74      | -9.70     | 10.06  | A        | A         | A           | 1.63    |
| 182     | 9.9        | 0.5       | -1.98     | 7.80   | A        | A         | A           | 0.33    |
| 183     | 10.15      | 0.76      | 0.50      | 9.56   | A        | A         | A           | 0.08    |
| 187     | 10.2       | 0.6       | 0.99      | 8.36   | A        | A         | A           | 0.17    |
| 187     | 10.3       | 0.7       | 1.98      | 9.03   | A        | A         | A           | 0.33    |
| 189     | 9.88       | 0.99      | -2.18     | 11.65  | A        | A         | A           | 0.37    |
| 191     | 10.2       | 0.6       | 0.99      | 8.36   | A        | A         | A           | 0.17    |
| 192     | 6.96       | 1.35      | -31.09    | 20.29  | N        | A         | N           | 5.23    |
| 192     | 9.70       | 1.11      | -3.96     | 12.89  | A        | A         | A           | 0.67    |
| 194     | 4.5        | 25        | -55.45    | 555.59 | N        | N         | N           | 9.33    |
| 195     | 9.8        | 0.42      | -2.97     | 7.33   | A        | A         | A           | 0.50    |
| 196     | 10.2       | 1.42      | 0.99      | 15.14  | A        | A         | A           | 0.17    |
| 198     | 9.93       | 0.64      | -1.68     | 8.77   | A        | A         | A           | 0.28    |
| 201     | 9.2        | 0.9       | -8.91     | 11.45  | A        | A         | A           | 1.50    |
| 202     | 9.71       | 0.52      | -3.86     | 8.00   | A        | A         | A           | 0.65    |

TABLE 24. Evaluation Results for Am-241 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 203     | 10.6       | 0.8       | 4.95      | 9.60   | A        | A         | A           | 0.83    |
| 204     | 10.3       | 0.92      | 1.98      | 10.73  | A        | A         | A           | 0.33    |
| 204     | 10.3       | 0.92      | 1.98      | 10.73  | A        | A         | A           | 0.33    |
| 206     | 9.66       | 0.07      | -4.36     | 5.98   | A        | A         | A           | 0.73    |
| 207     | 9.99       | 2.17      | -1.09     | 22.52  | A        | A         | A           | 0.18    |
| 210     | 9.8        | 0.5       | -2.97     | 7.83   | A        | A         | A           | 0.50    |
| 213     | 9.9        | 0.5       | -1.98     | 7.80   | A        | A         | A           | 0.33    |
| 214     | 9.9        | 0.6       | -1.98     | 8.49   | A        | A         | A           | 0.33    |
| 215     | 9.91       | 0.88      | -1.88     | 10.68  | A        | A         | A           | 0.32    |
| 216     | 10.1       | 0.2       | 0.00      | 6.26   | A        | A         | A           | 0.00    |
| 216     | 10.1       | 0.2       | 0.00      | 6.26   | A        | A         | A           | 0.00    |
| 217     | 10.2       | 1.0       | 0.99      | 11.46  | A        | A         | A           | 0.17    |
| 218     | 10.26      | 1.2       | 1.58      | 13.12  | A        | A         | A           | 0.27    |
| 219     | 9.93       | 0.2       | -1.68     | 6.27   | A        | A         | A           | 0.28    |
| 220     | 9.99       | 1.5       | -1.09     | 16.15  | A        | A         | A           | 0.18    |
| 221     | 10.19      | 0.39      | 0.89      | 7.07   | A        | A         | A           | 0.15    |
| 222     | 10.4       | 1.2       | 2.97      | 12.98  | A        | A         | A           | 0.50    |
| 223     | 10.31      | 0.24      | 2.08      | 6.38   | A        | A         | A           | 0.35    |
| 224     | 10.37      | 0.28      | 2.67      | 6.53   | A        | A         | A           | 0.45    |
| 226     | 8.68       | 0.448     | -14.06    | 7.87   | A        | A         | A           | 2.37    |
| 226     | 8.38       | 0.78      | -17.03    | 11.04  | A        | A         | A           | 2.87    |
| 227     | 9.4        | 0.24      | -6.93     | 6.47   | A        | A         | A           | 1.17    |
| 228     | 8.57       | 1.27      | -15.15    | 15.97  | A        | A         | A           | 2.55    |
| 230     | 10.9       | 0.7       | 7.92      | 8.75   | A        | A         | A           | 1.33    |
| 231     | 9.2        | 0.9       | -8.91     | 11.45  | A        | A         | A           | 1.50    |
| 233     | 4.7        | 0.47      | -53.47    | 11.63  | N        | N         | N           | 9.00    |
| 235     | 10.25      | 0.94      | 1.49      | 10.93  | A        | A         | A           | 0.25    |
| 237     | 9.78       | 0.19      | -3.17     | 6.25   | A        | A         | A           | 0.53    |
| 238     | 9.8        | 0.5       | -2.97     | 7.83   | A        | A         | A           | 0.50    |
| 239     | 9.34       | 1.35      | -7.52     | 15.63  | A        | A         | A           | 1.27    |
| 243     | 10.03      | 0.51      | -0.69     | 7.82   | A        | A         | A           | 0.12    |
| 244     | 10.4       | 1.0       | 2.97      | 11.30  | A        | A         | A           | 0.50    |
| 246     | 9.5        | 0.5       | -5.94     | 7.94   | A        | A         | A           | 1.00    |
| 247     | 9.86       | 0.52      | -2.38     | 7.94   | A        | A         | A           | 0.40    |
| 247     | 10.12      | 0.50      | 0.20      | 7.73   | A        | A         | A           | 0.03    |
| 248     | 10.29      | 0.39      | 1.88      | 7.05   | A        | A         | A           | 0.32    |
| 249     | 27         | 16        | 167.33    | 59.56  | N        | N         | N           | 28.17   |
| 250     | 9.88       | 0.47      | -2.18     | 7.61   | A        | A         | A           | 0.37    |
| 251     | 10.8       | 0.62      | 6.93      | 8.26   | A        | A         | A           | 1.17    |
| 253     | 10.65      | 0.50      | 5.45      | 7.57   | A        | A         | A           | 0.92    |
| 255     | 10.0       | 0.8       | -0.99     | 9.96   | A        | A         | A           | 0.17    |
| 256     | 5.16       | 0.46      | -48.91    | 10.71  | N        | N         | N           | 8.23    |
| 258     | 9.67       | 0.215     | -4.26     | 6.34   | A        | A         | A           | 0.72    |
| 259     | 10.32      | 1.07      | 2.18      | 11.95  | A        | A         | A           | 0.37    |
| 261     | 10.1       | 0.8       | 0.00      | 9.90   | A        | A         | A           | 0.00    |
| 262     | 10.4       | 1.35      | 2.97      | 14.28  | A        | A         | A           | 0.50    |
| 264     | 9.72       | 1.17      | -3.76     | 13.42  | A        | A         | A           | 0.63    |
| 265     | 11.84      | 0.36      | 17.23     | 6.67   | A        | N         | W           | 2.90    |
| 266     | 10.51      | 1.23      | 4.06      | 13.12  | A        | A         | A           | 0.68    |
| 269     | 10.49      | 0.63      | 3.86      | 8.45   | A        | A         | A           | 0.65    |
| 271     | 10.2       | 0.6       | 0.99      | 8.36   | A        | A         | A           | 0.17    |
| 272     | 10.17      | 0.95      | 0.69      | 11.07  | A        | A         | A           | 0.12    |
| 272     | 10.56      | 0.93      | 4.55      | 10.62  | A        | A         | A           | 0.77    |
| 273     | 10.8       | 0.5       | 6.93      | 7.53   | A        | A         | A           | 1.17    |

TABLE 24. Evaluation Results for Am-241 in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 274     | 10.04      | 2.452     | -0.59     | 25.13  | A        | A         | A           | 0.10    |
| 276     | 11.91      | 1.25      | 17.92     | 12.06  | A        | A         | A           | 3.02    |
| 278     | 10.7       | 1.0       | 5.94      | 11.07  | A        | A         | A           | 1.00    |
| 281     | 10.3       | 0.7       | 1.98      | 9.03   | A        | A         | A           | 0.33    |
| 284     | 9.84       | 0.52      | -2.57     | 7.95   | A        | A         | A           | 0.43    |
| 285     | 9.26       | 0.78      | -8.32     | 10.31  | A        | A         | A           | 1.40    |
| 286     | 9.9        | 0.5       | -1.98     | 7.80   | A        | A         | A           | 0.33    |
| 287     | 10.73      | 0.674     | 6.24      | 8.65   | A        | A         | A           | 1.05    |
| 288     | 10.1       | 1.0       | 0.00      | 11.55  | A        | A         | A           | 0.00    |
| 289     | 10.3       | 0.6       | 1.98      | 8.32   | A        | A         | A           | 0.33    |
| 290     | 9.36       | 0.41      | -7.33     | 7.38   | A        | A         | A           | 1.23    |
| 292     | 10.3       | 1.4       | 1.98      | 14.83  | A        | A         | A           | 0.33    |
| 295     | 10.99      | 1.69      | 8.81      | 16.49  | A        | A         | A           | 1.48    |
| 296     | 10.7       | 0.4       | 5.94      | 7.02   | A        | A         | A           | 1.00    |
| 298     | 10.28      | 0.16      | 1.78      | 6.14   | A        | A         | A           | 0.30    |
| 299     | 7.83       | 0.83      | -22.48    | 12.15  | A        | A         | A           | 3.78    |
| 301     | 11.9       | 0.4       | 17.82     | 6.83   | A        | N         | W           | 3.00    |
| 303     | 9.97       | 0.44      | -1.29     | 7.40   | A        | A         | A           | 0.22    |
| 304     | 11.8       | 0.43      | 16.83     | 6.97   | A        | A         | A           | 2.83    |
| 305     | 10.0       | 2.566     | -0.99     | 26.34  | A        | A         | A           | 0.17    |
| 305     | 10.015     | 2.566     | -0.84     | 26.30  | A        | A         | A           | 0.14    |
| 306     | 9.3        | 0.7       | -7.92     | 9.59   | A        | A         | A           | 1.33    |
| 309     | 10.69      | 1.249     | 5.84      | 13.11  | A        | A         | A           | 0.98    |
| 310     | 10.25      | 1.59      | 1.49      | 16.61  | A        | A         | A           | 0.25    |
| 312     | 9.54       | 0.41      | -5.54     | 7.33   | A        | A         | A           | 0.93    |
| 313     | 10.6       | 0.7       | 4.95      | 8.88   | A        | A         | A           | 0.83    |

## Reported Results for Cs-134 Determination in Sample 3

TABLE 25. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 12.1  |
| UNC, Bq/kg          | 0.7   |
| MARB, %             | 20    |

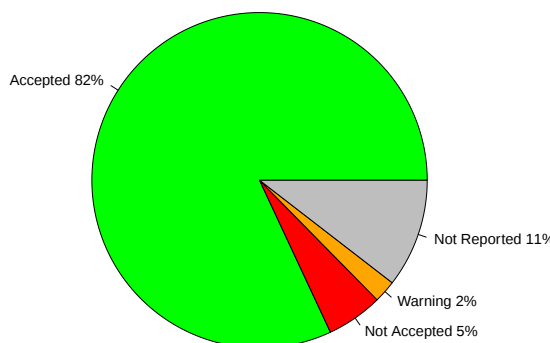


FIGURE 25. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

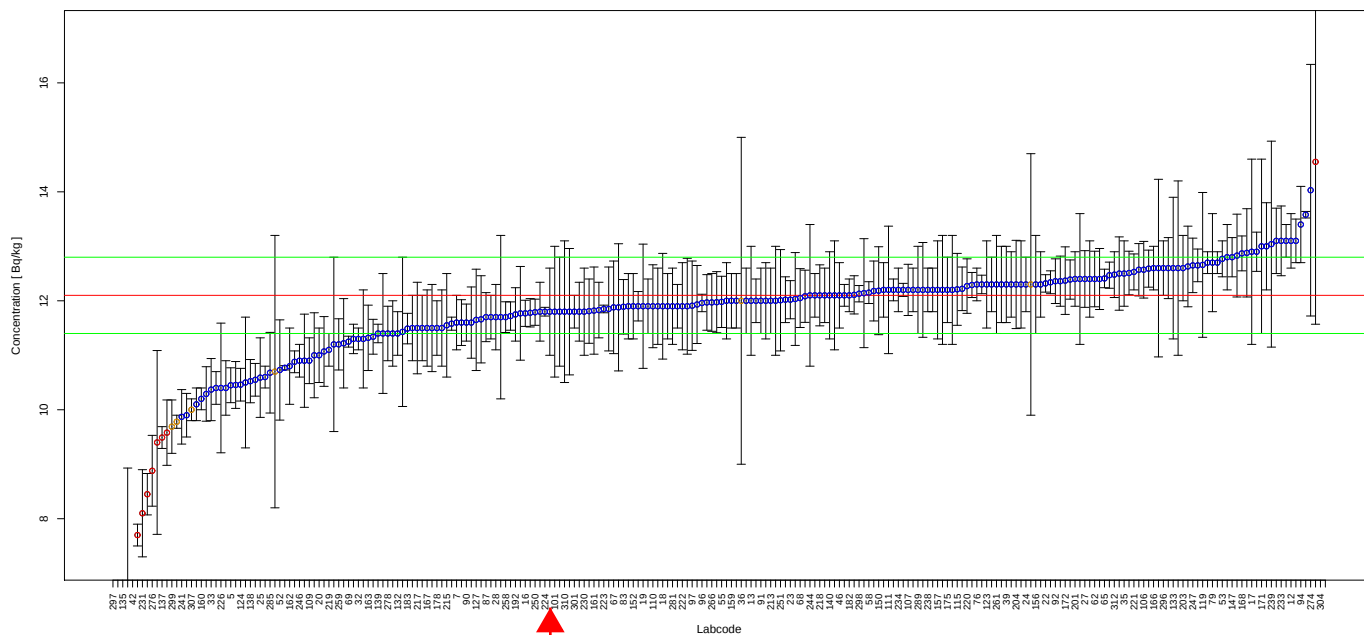


FIGURE 26. Reported results and evaluation parameters for Cs-134. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 26. Evaluation Results for Cs-134 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 11.6       | 0.42      | -4.13     | 6.82   | A        | A         | A           | 0.71    |
| 4       | 12.29      | 0.23      | 1.57      | 6.08   | A        | A         | A           | 0.27    |
| 5       | 10.45      | 0.32      | -13.64    | 6.55   | A        | A         | A           | 2.36    |
| 6       | 12.88      | 0.81      | 6.45      | 8.54   | A        | A         | A           | 1.11    |
| 7       | 11.6       | 0.5       | -4.13     | 7.21   | A        | A         | A           | 0.71    |
| 8       | 12.0       | 1.0       | -0.83     | 10.14  | A        | A         | A           | 0.14    |
| 9       | 12.51      | 0.40      | 3.39      | 6.61   | A        | A         | A           | 0.59    |
| 10      | 14.55      | 2.98      | 20.25     | 21.28  | N        | N         | N           | 3.50    |
| 11      | 11.4       | 1.1       | -5.79     | 11.25  | A        | A         | A           | 1.00    |
| 12      | 13.1       | 0.5       | 8.26      | 6.93   | A        | A         | A           | 1.43    |
| 13      | 12         | 1         | -0.83     | 10.14  | A        | A         | A           | 0.14    |
| 14      | 12.57      | 0.48      | 3.88      | 6.93   | A        | A         | A           | 0.67    |
| 16      | 11.77      | 0.24      | -2.73     | 6.13   | A        | A         | A           | 0.47    |
| 17      | 12.9       | 1.7       | 6.61      | 14.39  | A        | A         | A           | 1.14    |
| 18      | 11.90      | 0.97      | -1.65     | 10.00  | A        | A         | A           | 0.29    |
| 19      | 11.90      | 1.14      | -1.65     | 11.19  | A        | A         | A           | 0.29    |
| 20      | 11         | 0.5       | -9.09     | 7.36   | A        | A         | A           | 1.57    |
| 21      | 12.1       | 0.5       | 0.00      | 7.11   | A        | A         | A           | 0.00    |
| 22      | 12.319     | 0.160     | 1.81      | 5.93   | A        | A         | A           | 0.31    |
| 23      | 12.02      | 0.35      | -0.66     | 6.48   | A        | A         | A           | 0.11    |
| 24      | 12.3       | 0.5       | 1.65      | 7.07   | A        | A         | A           | 0.29    |
| 25      | 10.59      | 0.73      | -12.48    | 9.00   | A        | A         | A           | 2.16    |
| 26      | 11.7       | 0.4       | -3.31     | 6.72   | A        | A         | A           | 0.57    |
| 27      | 12.4       | 0.52      | 2.48      | 7.15   | A        | A         | A           | 0.43    |
| 28      | 11.7       | 0.6       | -3.31     | 7.73   | A        | A         | A           | 0.57    |
| 29      | 12.36      | 0.46      | 2.15      | 6.88   | A        | A         | A           | 0.37    |
| 31      | 12.1       | 1.0       | 0.00      | 10.09  | A        | A         | A           | 0.00    |
| 32      | 11.3       | 0.2       | -6.61     | 6.05   | A        | A         | A           | 1.14    |
| 33      | 10.37      | 0.57      | -14.30    | 7.98   | A        | A         | A           | 2.47    |
| 34      | 12.63      | 0.74      | 4.38      | 8.23   | A        | A         | A           | 0.76    |
| 35      | 12.5       | 0.6       | 3.31      | 7.52   | A        | A         | A           | 0.57    |
| 36      | 12         | 3         | -0.83     | 25.66  | A        | N         | W           | 0.14    |
| 37      | 12.0       | 0.7       | -0.83     | 8.22   | A        | A         | A           | 0.14    |
| 38      | 13         | 0.8       | 7.44      | 8.45   | A        | A         | A           | 1.29    |
| 39      | 12.3       | 0.7       | 1.65      | 8.12   | A        | A         | A           | 0.29    |
| 40      | 12.2       | 0.2       | 0.83      | 6.01   | A        | A         | A           | 0.14    |
| 41      | 12.2       | 0.87      | 0.83      | 9.18   | A        | A         | A           | 0.14    |
| 42      | 5.91       | 0.24      | -51.16    | 7.07   | N        | N         | N           | 8.84    |
| 43      | 12.3       | 0.6       | 1.65      | 7.57   | A        | A         | A           | 0.29    |
| 45      | 12.18      | 0.55      | 0.66      | 7.34   | A        | A         | A           | 0.11    |
| 46      | 12.1       | 0.6       | 0.00      | 7.62   | A        | A         | A           | 0.00    |
| 47      | 11.8       | 1.0       | -2.48     | 10.26  | A        | A         | A           | 0.43    |
| 49      | 11.9       | 0.7       | -1.65     | 8.25   | A        | A         | A           | 0.29    |
| 50      | 12.1       | 0.2       | 0.00      | 6.02   | A        | A         | A           | 0.00    |
| 51      | 12.7       | 0.2       | 4.96      | 6.00   | A        | A         | A           | 0.86    |
| 52      | 10.73      | 0.92      | -11.32    | 10.34  | A        | A         | A           | 1.96    |
| 53      | 12.77      | 0.33      | 5.54      | 6.34   | A        | A         | A           | 0.96    |
| 55      | 11.98      | 0.47      | -0.99     | 6.99   | A        | A         | A           | 0.17    |
| 56      | 11.5       | 0.7       | -4.96     | 8.40   | A        | A         | A           | 0.86    |
| 57      | 11.81      | 0.59      | -2.40     | 7.64   | A        | A         | A           | 0.41    |
| 58      | 12.15      | 0.20      | 0.41      | 6.01   | A        | A         | A           | 0.07    |
| 59      | 11.5       | 0.8       | -4.96     | 9.05   | A        | A         | A           | 0.86    |
| 60      | 12.2       | 1.0       | 0.83      | 10.03  | A        | A         | A           | 0.14    |

TABLE 26. Evaluation Results for Cs-134 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 61      | 11.8       | 0.54      | -2.48     | 7.38   | A        | A         | A           | 0.43    |
| 62      | 12.4       | 0.51      | 2.48      | 7.10   | A        | A         | A           | 0.43    |
| 63      | 11.83      | 0.51      | -2.23     | 7.21   | A        | A         | A           | 0.39    |
| 64      | 11.9       | 0.6       | -1.65     | 7.67   | A        | A         | A           | 0.29    |
| 65      | 12.41      | 0.17      | 2.56      | 5.95   | A        | A         | A           | 0.44    |
| 67      | 11.88      | 0.85      | -1.82     | 9.20   | A        | A         | A           | 0.31    |
| 68      | 12.05      | 0.54      | -0.41     | 7.32   | A        | A         | A           | 0.07    |
| 69      | 11.25      | 0.10      | -7.02     | 5.85   | A        | A         | A           | 1.21    |
| 70      | 13.1       | 0.3       | 8.26      | 6.22   | A        | A         | A           | 1.43    |
| 71      | 11.78      | 0.26      | -2.64     | 6.19   | A        | A         | A           | 0.46    |
| 72      | 11.8       | 0.8       | -2.48     | 8.91   | A        | A         | A           | 0.43    |
| 74      | 11.85      | 0.77      | -2.07     | 8.70   | A        | A         | A           | 0.36    |
| 75      | 12.8       | 0.6       | 5.79      | 7.45   | A        | A         | A           | 1.00    |
| 76      | 12.3       | 0.30      | 1.65      | 6.28   | A        | A         | A           | 0.29    |
| 78      | 11.9       | 0.4       | -1.65     | 6.69   | A        | A         | A           | 0.29    |
| 79      | 12.7       | 0.9       | 4.96      | 9.15   | A        | A         | A           | 0.86    |
| 80      | 10.55      | 0.30      | -12.81    | 6.45   | A        | A         | A           | 2.21    |
| 81      | 12.3       | 0.6       | 1.65      | 7.57   | A        | A         | A           | 0.29    |
| 83      | 11.89      | 0.50      | -1.74     | 7.15   | A        | A         | A           | 0.30    |
| 84      | 11.974     | 0.561     | -1.04     | 7.44   | A        | A         | A           | 0.18    |
| 85      | 12.2       | 0.40      | 0.83      | 6.65   | A        | A         | A           | 0.14    |
| 86      | 10.9       | 0.855     | -9.92     | 9.75   | A        | A         | A           | 1.71    |
| 87      | 11.7       | 0.45      | -3.31     | 6.95   | A        | A         | A           | 0.57    |
| 88      | 12.0       | 0.6       | -0.83     | 7.65   | A        | A         | A           | 0.14    |
| 90      | 11.6       | 0.34      | -4.13     | 6.49   | A        | A         | A           | 0.71    |
| 91      | 12.0       | 0.6       | -0.83     | 7.65   | A        | A         | A           | 0.14    |
| 92      | 12.36      | 0.41      | 2.15      | 6.67   | A        | A         | A           | 0.37    |
| 93      | 12.3       | 0.17      | 1.65      | 5.95   | A        | A         | A           | 0.29    |
| 94      | 13.4       | 0.7       | 10.74     | 7.79   | A        | A         | A           | 1.86    |
| 95      | 11.72      | 0.26      | -3.14     | 6.20   | A        | A         | A           | 0.54    |
| 96      | 11.96      | 0.16      | -1.16     | 5.94   | A        | A         | A           | 0.20    |
| 97      | 11.91      | 0.82      | -1.57     | 8.99   | A        | A         | A           | 0.27    |
| 98      | 12.4       | 0.7       | 2.48      | 8.08   | A        | A         | A           | 0.43    |
| 99      | 11.43      | 1.37      | -5.54     | 13.31  | A        | A         | A           | 0.96    |
| 101     | 11.8       | 1.2       | -2.48     | 11.70  | A        | A         | A           | 0.43    |
| 102     | 11.6       | 0.654     | -4.13     | 8.08   | A        | A         | A           | 0.71    |
| 103     | 12.4       | 0.56      | 2.48      | 7.34   | A        | A         | A           | 0.43    |
| 105     | 10.50      | 1.20      | -13.22    | 12.81  | A        | A         | A           | 2.29    |
| 106     | 12.57      | 0.52      | 3.88      | 7.11   | A        | A         | A           | 0.67    |
| 107     | 12.2       | 0.47      | 0.83      | 6.95   | A        | A         | A           | 0.14    |
| 109     | 10.90      | 0.42      | -9.92     | 6.95   | A        | A         | A           | 1.71    |
| 110     | 11.9       | 0.761     | -1.65     | 8.62   | A        | A         | A           | 0.29    |
| 111     | 12.2       | 1.17      | 0.83      | 11.20  | A        | A         | A           | 0.14    |
| 113     | 11.58      | 0.12      | -4.30     | 5.88   | A        | A         | A           | 0.74    |
| 114     | 11.4       | 0.6       | -5.79     | 7.82   | A        | A         | A           | 1.00    |
| 115     | 12.21      | 0.66      | 0.91      | 7.92   | A        | A         | A           | 0.16    |
| 117     | 12.0       | 0.5       | -0.83     | 7.13   | A        | A         | A           | 0.14    |
| 118     | 10.6       | 0.2       | -12.40    | 6.09   | A        | A         | A           | 2.14    |
| 119     | 12.659     | 1.329     | 4.62      | 11.99  | A        | A         | A           | 0.80    |
| 120     | 11.9       | 0.5       | -1.65     | 7.15   | A        | A         | A           | 0.29    |
| 121     | 12.083     | 0.479     | -0.14     | 7.01   | A        | A         | A           | 0.02    |
| 123     | 12.3       | 0.8       | 1.65      | 8.70   | A        | A         | A           | 0.29    |
| 124     | 10.46      | 0.30      | -13.55    | 6.46   | A        | A         | A           | 2.34    |
| 126     | 11.77      | 0.86      | -2.73     | 9.32   | A        | A         | A           | 0.47    |

TABLE 26. Evaluation Results for Cs-134 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 127     | 11.65      | 0.93      | -3.72     | 9.86   | A        | A         | A           | 0.64    |
| 128     | 13.1       | 0.6       | 8.26      | 7.38   | A        | A         | A           | 1.43    |
| 129     | 12.3       | 0.7       | 1.65      | 8.12   | A        | A         | A           | 0.29    |
| 130     | 12.2       | 0.12      | 0.83      | 5.87   | A        | A         | A           | 0.14    |
| 132     | 11.4       | 0.4       | -5.79     | 6.77   | A        | A         | A           | 1.00    |
| 133     | 12.6       | 1.3       | 4.13      | 11.83  | A        | A         | A           | 0.71    |
| 134     | 10.4       | 0.5       | -14.05    | 7.52   | A        | A         | A           | 2.43    |
| 135     | 3.6        | 0.6       | -70.25    | 17.64  | N        | N         | N           | 12.14   |
| 136     | 12.2       | 1.0       | 0.83      | 10.03  | A        | A         | A           | 0.14    |
| 137     | 9.49       | 0.20      | -21.57    | 6.16   | N        | N         | N           | 3.73    |
| 138     | 10.5251    | 0.3968    | -13.02    | 6.91   | A        | A         | A           | 2.25    |
| 139     | 11.4       | 0.17      | -5.79     | 5.97   | A        | A         | A           | 1.00    |
| 140     | 12.1       | 0.8       | 0.00      | 8.79   | A        | A         | A           | 0.00    |
| 143     | 11.8       | 0.54      | -2.48     | 7.38   | A        | A         | A           | 0.43    |
| 145     | 12.0       | 0.4       | -0.83     | 6.68   | A        | A         | A           | 0.14    |
| 146     | 10.77      | 0.0394    | -10.99    | 5.80   | A        | A         | A           | 1.90    |
| 147     | 12.80      | 0.36      | 5.79      | 6.43   | A        | A         | A           | 1.00    |
| 148     | 11.22      | 0.82      | -7.27     | 9.32   | A        | A         | A           | 1.26    |
| 149     | 10.1       | 0.3       | -16.53    | 6.50   | A        | A         | A           | 2.86    |
| 150     | 12.185     | 0.807     | 0.70      | 8.79   | A        | A         | A           | 0.12    |
| 152     | 11.9       | 0.6       | -1.65     | 7.67   | A        | A         | A           | 0.29    |
| 153     | 7.7        | 0.2       | -36.36    | 6.34   | N        | N         | N           | 6.29    |
| 154     | 11.97      | 0.51      | -1.07     | 7.18   | A        | A         | A           | 0.19    |
| 155     | 9.58       | 0.60      | -20.83    | 8.53   | N        | A         | N           | 3.60    |
| 156     | 12.3       | 0.9       | 1.65      | 9.33   | A        | A         | A           | 0.29    |
| 157     | 12.2       | 0.9       | 0.83      | 9.37   | A        | A         | A           | 0.14    |
| 158     | 11.932     | 0.716     | -1.39     | 8.34   | A        | A         | A           | 0.24    |
| 159     | 12.0       | 0.5       | -0.83     | 7.13   | A        | A         | A           | 0.14    |
| 160     | 10.2       | 0.2       | -15.70    | 6.11   | A        | A         | A           | 2.71    |
| 161     | 11.82      | 0.8       | -2.31     | 8.90   | A        | A         | A           | 0.40    |
| 162     | 10.8       | 0.7       | -10.74    | 8.69   | A        | A         | A           | 1.86    |
| 163     | 11.32      | 0.6       | -6.45     | 7.85   | A        | A         | A           | 1.11    |
| 164     | 11.00      | 0.78      | -9.09     | 9.15   | A        | A         | A           | 1.57    |
| 165     | 12.22      | 0.40      | 0.99      | 6.65   | A        | A         | A           | 0.17    |
| 166     | 12.6       | 0.4       | 4.13      | 6.60   | A        | A         | A           | 0.71    |
| 167     | 11.5       | 0.7       | -4.96     | 8.40   | A        | A         | A           | 0.86    |
| 168     | 12.87      | 0.32      | 6.36      | 6.30   | A        | A         | A           | 1.10    |
| 169     | 11.34      | 0.32      | -6.28     | 6.44   | A        | A         | A           | 1.09    |
| 171     | 13.0       | 1.6       | 7.44      | 13.60  | A        | A         | A           | 1.29    |
| 172     | 12.37      | 0.62      | 2.23      | 7.65   | A        | A         | A           | 0.39    |
| 173     | 12.59      | 0.34      | 4.05      | 6.38   | A        | A         | A           | 0.70    |
| 175     | 12.2       | 0.6       | 0.83      | 7.59   | A        | A         | A           | 0.14    |
| 176     | 9.9        | 0.4       | -18.18    | 7.06   | A        | A         | A           | 3.14    |
| 177     | 11.3       | 0.9       | -6.61     | 9.84   | A        | A         | A           | 1.14    |
| 178     | 11.5       | 0.5       | -4.96     | 7.24   | A        | A         | A           | 0.86    |
| 179     | 12.109     | 0.35063   | 0.07      | 6.47   | A        | A         | A           | 0.01    |
| 180     | 11.5       | 0.6       | -4.96     | 7.79   | A        | A         | A           | 0.86    |
| 181     | 11.66      | 0.80      | -3.64     | 8.97   | A        | A         | A           | 0.63    |
| 182     | 12.1       | 0.3       | 0.00      | 6.29   | A        | A         | A           | 0.00    |
| 183     | 11.49      | 0.28      | -5.04     | 6.28   | A        | A         | A           | 0.87    |
| 184     | 12.3       | 0.5       | 1.65      | 7.07   | A        | A         | A           | 0.29    |
| 185     | 11.7       | 1.5       | -3.31     | 14.07  | A        | A         | A           | 0.57    |
| 187     | 11.9       | 0.6       | -1.65     | 7.67   | A        | A         | A           | 0.29    |
| 188     | 11.9       | 0.88      | -1.65     | 9.39   | A        | A         | A           | 0.29    |

TABLE 26. Evaluation Results for Cs-134 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 189     | 12.14      | 1.00      | 0.33      | 10.07  | A        | A         | A           | 0.06    |
| 191     | 12.0       | 0.7       | -0.83     | 8.22   | A        | A         | A           | 0.14    |
| 192     | 11.75      | 0.49      | -2.89     | 7.13   | A        | A         | A           | 0.50    |
| 193     | 1.351      | 0.084     | -88.83    | 8.49   | N        | N         | N           | 15.36   |
| 194     | 33.1       | 5         | 173.55    | 16.18  | N        | N         | N           | 30.00   |
| 195     | 12.6       | 0.56      | 4.13      | 7.30   | A        | A         | A           | 0.71    |
| 196     | 12.5       | 0.673     | 3.31      | 7.90   | A        | A         | A           | 0.57    |
| 197     | 10.7       | 2.5       | -11.57    | 24.07  | A        | N         | W           | 2.00    |
| 198     | 12.83      | 0.76      | 6.03      | 8.28   | A        | A         | A           | 1.04    |
| 201     | 12.4       | 0.5       | 2.48      | 7.05   | A        | A         | A           | 0.43    |
| 202     | 11.5       | 0.6       | -4.96     | 7.79   | A        | A         | A           | 0.86    |
| 203     | 12.6       | 0.6       | 4.13      | 7.49   | A        | A         | A           | 0.71    |
| 204     | 12.3       | 0.81      | 1.65      | 8.77   | A        | A         | A           | 0.29    |
| 206     | 13.58      | 0.06      | 12.23     | 5.80   | A        | A         | A           | 2.11    |
| 207     | 12.02      | 0.42      | -0.66     | 6.76   | A        | A         | A           | 0.11    |
| 209     | 12.3       | 2.4       | 1.65      | 20.35  | A        | N         | W           | 0.29    |
| 210     | 12.1       | 0.4       | 0.00      | 6.66   | A        | A         | A           | 0.00    |
| 213     | 12.0       | 0.6       | -0.83     | 7.65   | A        | A         | A           | 0.14    |
| 214     | 10.4       | 0.3       | -14.05    | 6.46   | A        | A         | A           | 2.43    |
| 215     | 11.55      | 0.95      | -4.55     | 10.06  | A        | A         | A           | 0.79    |
| 216     | 12.7       | 0.2       | 4.96      | 6.00   | A        | A         | A           | 0.86    |
| 217     | 11.5       | 0.84      | -4.96     | 9.32   | A        | A         | A           | 0.86    |
| 218     | 12.1       | 0.56      | 0.00      | 7.41   | A        | A         | A           | 0.00    |
| 219     | 11.1       | 0.3       | -8.26     | 6.39   | A        | A         | A           | 1.43    |
| 220     | 12.27      | 0.5       | 1.40      | 7.08   | A        | A         | A           | 0.24    |
| 221     | 12.53      | 0.33      | 3.55      | 6.36   | A        | A         | A           | 0.61    |
| 222     | 11.9       | 0.8       | -1.65     | 8.87   | A        | A         | A           | 0.29    |
| 223     | 11.85      | 0.07      | -2.07     | 5.82   | A        | A         | A           | 0.36    |
| 224     | 11.8       | 0.08      | -2.48     | 5.82   | A        | A         | A           | 0.43    |
| 226     | 10.40      | 1.19      | -14.05    | 12.82  | A        | A         | A           | 2.43    |
| 227     | 12.65      | 0.3       | 4.55      | 6.25   | A        | A         | A           | 0.79    |
| 228     | 12.6       | 1.6       | 4.13      | 13.95  | A        | A         | A           | 0.71    |
| 230     | 11.8       | 0.8       | -2.48     | 8.91   | A        | A         | A           | 0.43    |
| 231     | 8.1        | 0.8       | -33.06    | 11.45  | N        | N         | N           | 5.71    |
| 233     | 13.1       | 0.64      | 8.26      | 7.57   | A        | A         | A           | 1.43    |
| 234     | 12.20      | 0.40      | 0.83      | 6.65   | A        | A         | A           | 0.14    |
| 235     | 11.9       | 0.27      | -1.65     | 6.21   | A        | A         | A           | 0.29    |
| 237     | 12.47      | 0.24      | 3.06      | 6.10   | A        | A         | A           | 0.53    |
| 238     | 12.2       | 0.4       | 0.83      | 6.65   | A        | A         | A           | 0.14    |
| 239     | 13.04      | 1.89      | 7.77      | 15.61  | A        | A         | A           | 1.34    |
| 241     | 9.87       | 0.50      | -18.43    | 7.69   | A        | A         | A           | 3.19    |
| 244     | 12.1       | 1.3       | 0.00      | 12.20  | A        | A         | A           | 0.00    |
| 246     | 10.9       | 0.3       | -9.92     | 6.41   | A        | A         | A           | 1.71    |
| 247     | 12.65      | 0.50      | 4.55      | 7.01   | A        | A         | A           | 0.79    |
| 248     | 12.39      | 0.36      | 2.40      | 6.47   | A        | A         | A           | 0.41    |
| 249     | 3.93       | 5         | -67.52    | 127.36 | N        | N         | N           | 11.67   |
| 250     | 11.79      | 0.24      | -2.56     | 6.13   | A        | A         | A           | 0.44    |
| 251     | 12.01      | 0.93      | -0.74     | 9.67   | A        | A         | A           | 0.13    |
| 253     | 12.34      | 0.21      | 1.98      | 6.03   | A        | A         | A           | 0.34    |
| 255     | 13.1       | 0.4       | 8.26      | 6.54   | A        | A         | A           | 1.43    |
| 256     | 11.3       | 0.27      | -6.61     | 6.26   | A        | A         | A           | 1.14    |
| 258     | 11.7       | 0.282     | -3.31     | 6.27   | A        | A         | A           | 0.57    |
| 259     | 11.2       | 0.47      | -7.44     | 7.15   | A        | A         | A           | 1.29    |
| 261     | 12.3       | 0.9       | 1.65      | 9.33   | A        | A         | A           | 0.29    |

TABLE 26. Evaluation Results for Cs-134 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 262     | 12.6       | 1.63      | 4.13      | 14.17  | A        | A         | A           | 0.71    |
| 263     | 12.033     | 0.852     | -0.55     | 9.14   | A        | A         | A           | 0.10    |
| 264     | 11.8       | 1.16      | -2.48     | 11.41  | A        | A         | A           | 0.43    |
| 266     | 11.97      | 0.53      | -1.07     | 7.29   | A        | A         | A           | 0.19    |
| 269     | 11.07      | 0.64      | -8.51     | 8.18   | A        | A         | A           | 1.47    |
| 271     | 12.4       | 1.2       | 2.48      | 11.27  | A        | A         | A           | 0.43    |
| 272     | 9.78       | 0.12      | -19.17    | 5.91   | A        | N         | W           | 3.31    |
| 274     | 14.03      | 2.309     | 15.95     | 17.44  | A        | A         | A           | 2.76    |
| 276     | 8.88       | 0.65      | -26.61    | 9.33   | N        | N         | N           | 4.60    |
| 278     | 11.4       | 0.5       | -5.79     | 7.26   | A        | A         | A           | 1.00    |
| 281     | 11.9       | 0.7       | -1.65     | 8.25   | A        | A         | A           | 0.29    |
| 284     | 8.45       | 0.38      | -30.17    | 7.33   | N        | N         | N           | 5.21    |
| 285     | 10.68      | 0.74      | -11.74    | 9.03   | A        | A         | A           | 2.03    |
| 286     | 12.2       | 0.5       | 0.83      | 7.09   | A        | A         | A           | 0.14    |
| 287     | 10.455     | 0.43      | -13.60    | 7.10   | A        | A         | A           | 2.35    |
| 289     | 12.2       | 0.8       | 0.83      | 8.74   | A        | A         | A           | 0.14    |
| 290     | 10.29      | 0.50      | -14.96    | 7.56   | A        | A         | A           | 2.59    |
| 292     | 11.2       | 1.6       | -7.44     | 15.41  | A        | A         | A           | 1.29    |
| 295     | 12.90      | 0.36      | 6.61      | 6.42   | A        | A         | A           | 1.14    |
| 296     | 12.6       | 0.5       | 4.13      | 7.02   | A        | A         | A           | 0.71    |
| 297     | 0.39       | 0.04      | -96.78    | 11.78  | N        | N         | N           | 16.73   |
| 298     | 12.13      | 0.15      | 0.25      | 5.92   | A        | A         | A           | 0.04    |
| 299     | 9.69       | 0.49      | -19.92    | 7.68   | A        | N         | W           | 3.44    |
| 301     | 11.8       | 0.3       | -2.48     | 6.32   | A        | A         | A           | 0.43    |
| 303     | 10.88      | 0.20      | -10.08    | 6.07   | A        | A         | A           | 1.74    |
| 304     | 22.8       | 3.1       | 88.43     | 14.78  | N        | N         | N           | 15.29   |
| 305     | 9.4        | 1.687     | -22.31    | 18.86  | N        | A         | N           | 3.86    |
| 306     | 12.2       | 0.4       | 0.83      | 6.65   | A        | A         | A           | 0.14    |
| 307     | 10.00      | 0.20      | -17.36    | 6.12   | A        | N         | W           | 3.00    |
| 309     | 11.88      | 1.167     | -1.82     | 11.40  | A        | A         | A           | 0.31    |
| 310     | 11.8       | 1.3       | -2.48     | 12.44  | A        | A         | A           | 0.43    |
| 312     | 12.48      | 0.42      | 3.14      | 6.69   | A        | A         | A           | 0.54    |
| 313     | 12.3       | 0.8       | 1.65      | 8.70   | A        | A         | A           | 0.29    |

## Reported Results for Cs-137 Determination in Sample 3

TABLE 27. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 22.6  |
| UNC, Bq/kg          | 1.4   |
| MARB, %             | 20    |

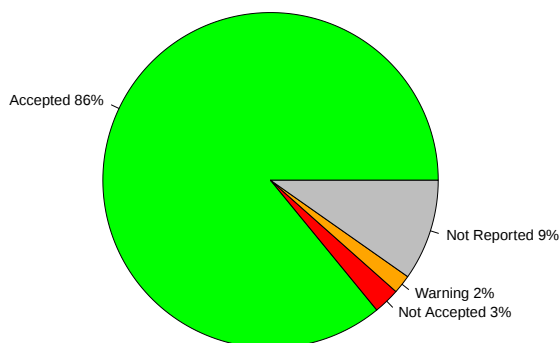


FIGURE 27. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

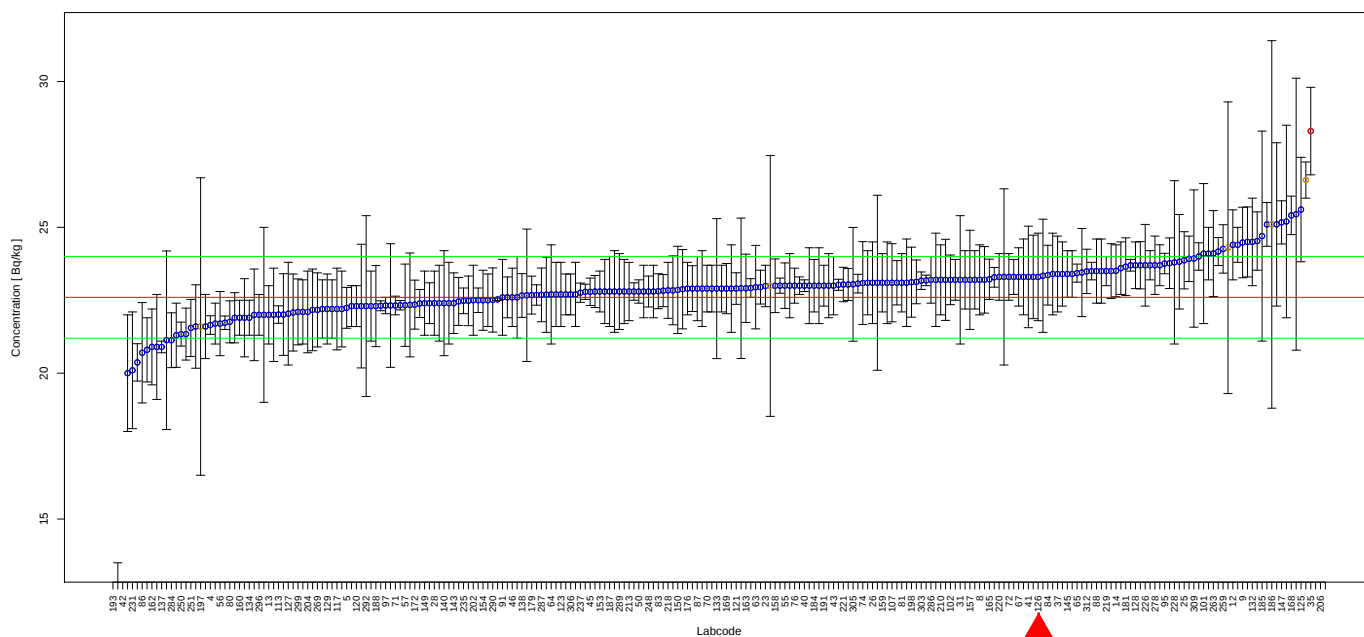


FIGURE 28. Reported results and evaluation parameters for Cs-137. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 28. Evaluation Results for Cs-137 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 1       | 23.7       | 0.81      | 4.87      | 7.07   | A        | A         | A           | 0.79    |
| 4       | 21.65      | 0.32      | -4.20     | 6.37   | A        | A         | A           | 0.68    |
| 5       | 22.24      | 0.70      | -1.59     | 6.95   | A        | A         | A           | 0.26    |
| 6       | 21.34      | 0.89      | -5.58     | 7.47   | A        | A         | A           | 0.90    |
| 7       | 22.7       | 1.1       | 0.44      | 7.86   | A        | A         | A           | 0.07    |
| 8       | 23.2       | 1.2       | 2.65      | 8.07   | A        | A         | A           | 0.43    |
| 9       | 24.48      | 1.21      | 8.32      | 7.92   | A        | A         | A           | 1.34    |
| 10      | 22.99      | 4.47      | 1.73      | 20.41  | A        | N         | W           | 0.28    |
| 11      | 23.3       | 1.3       | 3.10      | 8.34   | A        | A         | A           | 0.50    |
| 12      | 24.4       | 1.2       | 7.96      | 7.91   | A        | A         | A           | 1.29    |
| 13      | 22         | 1         | -2.65     | 7.68   | A        | A         | A           | 0.43    |
| 14      | 23.51      | 0.89      | 4.03      | 7.26   | A        | A         | A           | 0.65    |
| 16      | 22.39      | 0.48      | -0.93     | 6.56   | A        | A         | A           | 0.15    |
| 17      | 23.1       | 3.0       | 2.21      | 14.39  | A        | A         | A           | 0.36    |
| 18      | 22.08      | 1.32      | -2.30     | 8.61   | A        | A         | A           | 0.37    |
| 19      | 22.32      | 2.12      | -1.24     | 11.34  | A        | A         | A           | 0.20    |
| 20      | 20.8       | 1.1       | -7.96     | 8.15   | A        | A         | A           | 1.29    |
| 21      | 23.3       | 1.43      | 3.10      | 8.72   | A        | A         | A           | 0.50    |
| 22      | 23.287     | 0.338     | 3.04      | 6.36   | A        | A         | A           | 0.49    |
| 23      | 22.99      | 0.71      | 1.73      | 6.92   | A        | A         | A           | 0.28    |
| 24      | 22.9       | 0.8       | 1.33      | 7.11   | A        | A         | A           | 0.21    |
| 25      | 23.87      | 0.98      | 5.62      | 7.43   | A        | A         | A           | 0.91    |
| 26      | 23.1       | 1.4       | 2.21      | 8.67   | A        | A         | A           | 0.36    |
| 27      | 21.9       | 0.86      | -3.10     | 7.33   | A        | A         | A           | 0.50    |
| 28      | 22.4       | 1.1       | -0.88     | 7.91   | A        | A         | A           | 0.14    |
| 29      | 23.04      | 0.55      | 1.95      | 6.64   | A        | A         | A           | 0.31    |
| 31      | 23.2       | 2.2       | 2.65      | 11.33  | A        | A         | A           | 0.43    |
| 32      | 23.7       | 0.5       | 4.87      | 6.54   | A        | A         | A           | 0.79    |
| 33      | 23.45      | 1.51      | 3.76      | 8.94   | A        | A         | A           | 0.61    |
| 34      | 22.88      | 1.36      | 1.24      | 8.59   | A        | A         | A           | 0.20    |
| 35      | 28.3       | 1.5       | 25.22     | 8.15   | N        | N         | N           | 4.07    |
| 36      | 22         | 3         | -2.65     | 14.98  | A        | A         | A           | 0.43    |
| 37      | 23.4       | 1.3       | 3.54      | 8.32   | A        | A         | A           | 0.57    |
| 38      | 22         | 1.6       | -2.65     | 9.55   | A        | A         | A           | 0.43    |
| 39      | 22.8       | 1.1       | 0.88      | 7.85   | A        | A         | A           | 0.14    |
| 40      | 23.0       | 0.2       | 1.77      | 6.26   | A        | A         | A           | 0.29    |
| 41      | 23.3       | 1.74      | 3.10      | 9.70   | A        | A         | A           | 0.50    |
| 42      | 11.82      | 0.47      | -47.70    | 7.36   | N        | N         | N           | 7.70    |
| 43      | 23.0       | 1.0       | 1.77      | 7.57   | A        | A         | A           | 0.29    |
| 45      | 22.79      | 0.47      | 0.84      | 6.53   | A        | A         | A           | 0.14    |
| 46      | 22.6       | 1.0       | 0.00      | 7.61   | A        | A         | A           | 0.00    |
| 47      | 22.8       | 1.4       | 0.88      | 8.72   | A        | A         | A           | 0.14    |
| 49      | 22.7       | 0.7       | 0.44      | 6.92   | A        | A         | A           | 0.07    |
| 50      | 22.8       | 0.4       | 0.88      | 6.44   | A        | A         | A           | 0.14    |
| 51      | 23.5       | 0.3       | 3.98      | 6.32   | A        | A         | A           | 0.64    |
| 52      | 22.34      | 1.78      | -1.15     | 10.09  | A        | A         | A           | 0.19    |
| 53      | 26.62      | 0.62      | 17.79     | 6.62   | A        | N         | W           | 2.87    |
| 55      | 23.0       | 0.78      | 1.77      | 7.06   | A        | A         | A           | 0.29    |
| 56      | 21.7       | 1.1       | -3.98     | 8.00   | A        | A         | A           | 0.64    |
| 57      | 22.33      | 1.41      | -1.19     | 8.85   | A        | A         | A           | 0.19    |
| 58      | 23.07      | 0.32      | 2.08      | 6.35   | A        | A         | A           | 0.34    |
| 59      | 23.4       | 0.8       | 3.54      | 7.08   | A        | A         | A           | 0.57    |
| 60      | 22.6       | 1.4       | 0.00      | 8.76   | A        | A         | A           | 0.00    |

TABLE 28. Evaluation Results for Cs-137 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 61      | 22.2       | 1.0       | -1.77     | 7.66   | A        | A         | A           | 0.29    |
| 62      | 23.6       | 0.9       | 4.42      | 7.27   | A        | A         | A           | 0.71    |
| 63      | 22.95      | 1.43      | 1.55      | 8.79   | A        | A         | A           | 0.25    |
| 64      | 22.7       | 1.7       | 0.44      | 9.72   | A        | A         | A           | 0.07    |
| 65      | 23.43      | 0.31      | 3.67      | 6.33   | A        | A         | A           | 0.59    |
| 67      | 23.30      | 1.00      | 3.10      | 7.54   | A        | A         | A           | 0.50    |
| 68      | 22.9       | 0.8       | 1.33      | 7.11   | A        | A         | A           | 0.21    |
| 69      | 21.73      | 0.23      | -3.85     | 6.28   | A        | A         | A           | 0.62    |
| 70      | 22.9       | 0.8       | 1.33      | 7.11   | A        | A         | A           | 0.21    |
| 71      | 22.32      | 0.32      | -1.24     | 6.36   | A        | A         | A           | 0.20    |
| 72      | 23.3       | 0.8       | 3.10      | 7.08   | A        | A         | A           | 0.50    |
| 74      | 23.09      | 1.42      | 2.17      | 8.73   | A        | A         | A           | 0.35    |
| 75      | 23.2       | 0.7       | 2.65      | 6.89   | A        | A         | A           | 0.43    |
| 76      | 23.0       | 0.60      | 1.77      | 6.72   | A        | A         | A           | 0.29    |
| 78      | 22.6       | 0.7       | 0.00      | 6.93   | A        | A         | A           | 0.00    |
| 79      | 23.4       | 1.1       | 3.54      | 7.78   | A        | A         | A           | 0.57    |
| 80      | 21.76      | 0.72      | -3.72     | 7.02   | A        | A         | A           | 0.60    |
| 81      | 23.1       | 1.0       | 2.21      | 7.56   | A        | A         | A           | 0.36    |
| 83      | 22.81      | 0.60      | 0.93      | 6.73   | A        | A         | A           | 0.15    |
| 84      | 23.361     | 1.025     | 3.37      | 7.59   | A        | A         | A           | 0.54    |
| 85      | 23.1       | 0.76      | 2.21      | 7.01   | A        | A         | A           | 0.36    |
| 86      | 20.7       | 1.72      | -8.41     | 10.36  | A        | A         | A           | 1.36    |
| 87      | 22.9       | 1.1       | 1.33      | 7.84   | A        | A         | A           | 0.21    |
| 88      | 23.5       | 1.1       | 3.98      | 7.76   | A        | A         | A           | 0.64    |
| 90      | 21.9       | 1.34      | -3.10     | 8.71   | A        | A         | A           | 0.50    |
| 91      | 22.6       | 1.3       | 0.00      | 8.45   | A        | A         | A           | 0.00    |
| 92      | 23.50      | 0.94      | 3.98      | 7.37   | A        | A         | A           | 0.64    |
| 93      | 22.8       | 0.55      | 0.88      | 6.65   | A        | A         | A           | 0.14    |
| 94      | 24.5       | 1.2       | 8.41      | 7.90   | A        | A         | A           | 1.36    |
| 95      | 23.76      | 0.35      | 5.13      | 6.37   | A        | A         | A           | 0.83    |
| 96      | 22.92      | 0.32      | 1.42      | 6.35   | A        | A         | A           | 0.23    |
| 97      | 22.32      | 0.28      | -1.24     | 6.32   | A        | A         | A           | 0.20    |
| 98      | 22.9       | 1.3       | 1.33      | 8.40   | A        | A         | A           | 0.21    |
| 99      | 22.67      | 2.27      | 0.31      | 11.77  | A        | A         | A           | 0.05    |
| 100     | 23.0       | 0.3       | 1.77      | 6.33   | A        | A         | A           | 0.29    |
| 101     | 24.1       | 2.4       | 6.64      | 11.73  | A        | A         | A           | 1.07    |
| 102     | 23.2       | 0.851     | 2.65      | 7.20   | A        | A         | A           | 0.43    |
| 103     | 23.2       | 1.14      | 2.65      | 7.91   | A        | A         | A           | 0.43    |
| 105     | 21.6       | 1.43      | -4.42     | 9.07   | A        | A         | A           | 0.71    |
| 106     | 22.46      | 0.823     | -0.62     | 7.20   | A        | A         | A           | 0.10    |
| 107     | 23.1       | 1.34      | 2.21      | 8.49   | A        | A         | A           | 0.36    |
| 109     | 22.48      | 0.85      | -0.53     | 7.26   | A        | A         | A           | 0.09    |
| 110     | 23.2       | 1.39      | 2.65      | 8.62   | A        | A         | A           | 0.43    |
| 111     | 23.0       | 1.10      | 1.77      | 7.83   | A        | A         | A           | 0.29    |
| 113     | 22.01      | 0.30      | -2.61     | 6.34   | A        | A         | A           | 0.42    |
| 114     | 24.1       | 0.9       | 6.64      | 7.23   | A        | A         | A           | 1.07    |
| 115     | 22.1       | 1.1       | -2.21     | 7.95   | A        | A         | A           | 0.36    |
| 117     | 22.2       | 1.4       | -1.77     | 8.84   | A        | A         | A           | 0.29    |
| 118     | 22.8       | 0.9       | 0.88      | 7.35   | A        | A         | A           | 0.14    |
| 119     | 22.910     | 2.406     | 1.37      | 12.19  | A        | A         | A           | 0.22    |
| 120     | 22.3       | 0.7       | -1.33     | 6.94   | A        | A         | A           | 0.21    |
| 121     | 22.901     | 0.541     | 1.33      | 6.63   | A        | A         | A           | 0.21    |
| 123     | 22.7       | 1.1       | 0.44      | 7.86   | A        | A         | A           | 0.07    |
| 124     | 22.83      | 0.55      | 1.02      | 6.65   | A        | A         | A           | 0.16    |

TABLE 28. Evaluation Results for Cs-137 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 125     | 25.61      | 1.79      | 13.32     | 9.34   | A        | A         | A           | 2.15    |
| 126     | 23.3       | 1.5       | 3.10      | 8.93   | A        | A         | A           | 0.50    |
| 127     | 22.04      | 1.76      | -2.48     | 10.11  | A        | A         | A           | 0.40    |
| 128     | 23.7       | 0.8       | 4.87      | 7.05   | A        | A         | A           | 0.79    |
| 129     | 22.2       | 1.2       | -1.77     | 8.22   | A        | A         | A           | 0.29    |
| 130     | 23.03      | 0.19      | 1.90      | 6.25   | A        | A         | A           | 0.31    |
| 132     | 24.5       | 1.5       | 8.41      | 8.71   | A        | A         | A           | 1.36    |
| 133     | 22.9       | 2.4       | 1.33      | 12.17  | A        | A         | A           | 0.21    |
| 134     | 21.9       | 0.6       | -3.10     | 6.77   | A        | A         | A           | 0.50    |
| 135     | 20         | 2         | -11.50    | 11.76  | A        | A         | A           | 1.86    |
| 136     | 22.3       | 1.2       | -1.33     | 8.21   | A        | A         | A           | 0.21    |
| 137     | 20.90      | 0.20      | -7.52     | 6.27   | A        | A         | A           | 1.21    |
| 138     | 22.6639    | 0.7498    | 0.28      | 7.02   | A        | A         | A           | 0.05    |
| 139     | 23         | 0.26      | 1.77      | 6.30   | A        | A         | A           | 0.29    |
| 140     | 22.4       | 1.8       | -0.88     | 10.15  | A        | A         | A           | 0.14    |
| 143     | 22.4       | 1.04      | -0.88     | 7.74   | A        | A         | A           | 0.14    |
| 145     | 23.4       | 0.8       | 3.54      | 7.08   | A        | A         | A           | 0.57    |
| 146     | 22.53      | 0.0392    | -0.31     | 6.20   | A        | A         | A           | 0.05    |
| 147     | 25.17      | 0.74      | 11.37     | 6.86   | A        | A         | A           | 1.84    |
| 148     | 22.95      | 0.58      | 1.55      | 6.69   | A        | A         | A           | 0.25    |
| 149     | 22.4       | 1.1       | -0.88     | 7.91   | A        | A         | A           | 0.14    |
| 150     | 22.855     | 1.496     | 1.13      | 9.01   | A        | A         | A           | 0.18    |
| 152     | 21.3       | 1.1       | -5.75     | 8.07   | A        | A         | A           | 0.93    |
| 153     | 22.8       | 0.7       | 0.88      | 6.91   | A        | A         | A           | 0.14    |
| 154     | 22.5       | 1.03      | -0.44     | 7.70   | A        | A         | A           | 0.07    |
| 155     | 22.17      | 1.40      | -1.90     | 8.85   | A        | A         | A           | 0.31    |
| 156     | 23.0       | 1.1       | 1.77      | 7.83   | A        | A         | A           | 0.29    |
| 157     | 23.2       | 1.7       | 2.65      | 9.60   | A        | A         | A           | 0.43    |
| 158     | 22.997     | 0.920     | 1.76      | 7.37   | A        | A         | A           | 0.28    |
| 159     | 23.1       | 1.0       | 2.21      | 7.56   | A        | A         | A           | 0.36    |
| 160     | 21.9       | 0.6       | -3.10     | 6.77   | A        | A         | A           | 0.50    |
| 161     | 24.53      | 1.0       | 8.54      | 7.42   | A        | A         | A           | 1.38    |
| 162     | 20.9       | 1.3       | -7.52     | 8.78   | A        | A         | A           | 1.21    |
| 163     | 22.91      | 1.17      | 1.37      | 8.03   | A        | A         | A           | 0.22    |
| 164     | 20.9       | 1.8       | -7.52     | 10.61  | A        | A         | A           | 1.21    |
| 165     | 23.22      | 0.69      | 2.74      | 6.87   | A        | A         | A           | 0.44    |
| 166     | 22.3       | 0.7       | -1.33     | 6.94   | A        | A         | A           | 0.21    |
| 167     | 22.2       | 1.3       | -1.77     | 8.52   | A        | A         | A           | 0.29    |
| 168     | 25.41      | 0.66      | 12.43     | 6.72   | A        | A         | A           | 2.01    |
| 169     | 22.90      | 0.86      | 1.33      | 7.24   | A        | A         | A           | 0.21    |
| 171     | 25.2       | 3.3       | 11.50     | 14.49  | A        | A         | A           | 1.86    |
| 172     | 22.35      | 0.84      | -1.11     | 7.25   | A        | A         | A           | 0.18    |
| 173     | 24.17      | 0.48      | 6.95      | 6.51   | A        | A         | A           | 1.12    |
| 175     | 22.7       | 1.1       | 0.44      | 7.86   | A        | A         | A           | 0.07    |
| 176     | 22.9       | 0.9       | 1.33      | 7.34   | A        | A         | A           | 0.21    |
| 177     | 21.6       | 1.1       | -4.42     | 8.02   | A        | A         | A           | 0.71    |
| 178     | 22.4       | 1.4       | -0.88     | 8.80   | A        | A         | A           | 0.14    |
| 179     | 22.677     | 0.64953   | 0.34      | 6.82   | A        | A         | A           | 0.05    |
| 180     | 22.8       | 1.1       | 0.88      | 7.85   | A        | A         | A           | 0.14    |
| 181     | 23.65      | 0.99      | 4.65      | 7.48   | A        | A         | A           | 0.75    |
| 182     | 22.8       | 0.9       | 0.88      | 7.35   | A        | A         | A           | 0.14    |
| 183     | 20.37      | 0.64      | -9.87     | 6.95   | A        | A         | A           | 1.59    |
| 184     | 23.0       | 0.9       | 1.77      | 7.33   | A        | A         | A           | 0.29    |
| 185     | 24.7       | 3.6       | 9.29      | 15.84  | A        | A         | A           | 1.50    |

TABLE 28. Evaluation Results for Cs-137 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 186     | 25.1       | 6.3       | 11.06     | 25.85  | A        | N         | W           | 1.79    |
| 187     | 22.8       | 1.2       | 0.88      | 8.13   | A        | A         | A           | 0.14    |
| 188     | 22.3       | 1.39      | -1.33     | 8.79   | A        | A         | A           | 0.21    |
| 189     | 23.34      | 1.94      | 3.27      | 10.37  | A        | A         | A           | 0.53    |
| 191     | 23.0       | 0.7       | 1.77      | 6.90   | A        | A         | A           | 0.29    |
| 192     | 23.77      | 0.8672    | 5.18      | 7.19   | A        | A         | A           | 0.84    |
| 193     | 3.340      | 0.194     | -85.22    | 8.49   | N        | N         | N           | 13.76   |
| 194     | 84         | 5         | 271.68    | 8.59   | N        | N         | N           | 43.86   |
| 195     | 22.2       | 1.0       | -1.77     | 7.66   | A        | A         | A           | 0.29    |
| 196     | 22.9       | 0.785     | 1.33      | 7.08   | A        | A         | A           | 0.21    |
| 197     | 21.6       | 5.1       | -4.42     | 24.41  | A        | N         | W           | 0.71    |
| 198     | 23.12      | 1.20      | 2.30      | 8.08   | A        | A         | A           | 0.37    |
| 201     | 23.4       | 1.4       | 3.54      | 8.61   | A        | A         | A           | 0.57    |
| 202     | 22.5       | 1.2       | -0.44     | 8.17   | A        | A         | A           | 0.07    |
| 203     | 23.2       | 1.0       | 2.65      | 7.55   | A        | A         | A           | 0.43    |
| 204     | 22.1       | 1.4       | -2.21     | 8.86   | A        | A         | A           | 0.36    |
| 206     | 64.38      | 0.36      | 184.87    | 6.22   | N        | N         | N           | 29.84   |
| 207     | 23.13      | 0.75      | 2.35      | 6.99   | A        | A         | A           | 0.38    |
| 209     | 24.3       | 5         | 7.52      | 21.49  | A        | N         | W           | 1.21    |
| 210     | 23.2       | 1.2       | 2.65      | 8.07   | A        | A         | A           | 0.43    |
| 213     | 22.8       | 1.0       | 0.88      | 7.59   | A        | A         | A           | 0.14    |
| 214     | 22.4       | 0.7       | -0.88     | 6.94   | A        | A         | A           | 0.14    |
| 215     | 23.0       | 1.3       | 1.77      | 8.39   | A        | A         | A           | 0.29    |
| 216     | 23.7       | 0.2       | 4.87      | 6.25   | A        | A         | A           | 0.79    |
| 217     | 23.0       | 1.3       | 1.77      | 8.39   | A        | A         | A           | 0.29    |
| 218     | 22.84      | 0.96      | 1.06      | 7.49   | A        | A         | A           | 0.17    |
| 219     | 23.5       | 0.5       | 3.98      | 6.55   | A        | A         | A           | 0.64    |
| 220     | 23.3       | 0.8       | 3.10      | 7.08   | A        | A         | A           | 0.50    |
| 221     | 23.04      | 0.59      | 1.95      | 6.70   | A        | A         | A           | 0.31    |
| 222     | 22.5       | 0.9       | -0.44     | 7.37   | A        | A         | A           | 0.07    |
| 223     | 22.31      | 0.17      | -1.28     | 6.24   | A        | A         | A           | 0.21    |
| 224     | 22.33      | 0.16      | -1.19     | 6.24   | A        | A         | A           | 0.19    |
| 226     | 23.7       | 1.4       | 4.87      | 8.56   | A        | A         | A           | 0.79    |
| 227     | 24         | 0.47      | 6.19      | 6.50   | A        | A         | A           | 1.00    |
| 228     | 23.8       | 2.8       | 5.31      | 13.30  | A        | A         | A           | 0.86    |
| 230     | 22.9       | 1.5       | 1.33      | 9.02   | A        | A         | A           | 0.21    |
| 231     | 20.1       | 2.0       | -11.06    | 11.72  | A        | A         | A           | 1.79    |
| 233     | 25.1       | 0.75      | 11.06     | 6.88   | A        | A         | A           | 1.79    |
| 234     | 23.30      | 0.60      | 3.10      | 6.71   | A        | A         | A           | 0.50    |
| 235     | 22.48      | 0.44      | -0.53     | 6.50   | A        | A         | A           | 0.09    |
| 237     | 22.76      | 0.33      | 0.71      | 6.36   | A        | A         | A           | 0.11    |
| 238     | 21.7       | 0.7       | -3.98     | 6.98   | A        | A         | A           | 0.64    |
| 239     | 21.13      | 3.06      | -6.50     | 15.75  | A        | A         | A           | 1.05    |
| 241     | 22.69      | 1.29      | 0.40      | 8.41   | A        | A         | A           | 0.06    |
| 244     | 23.2       | 1.6       | 2.65      | 9.27   | A        | A         | A           | 0.43    |
| 246     | 23.2       | 1.0       | 2.65      | 7.55   | A        | A         | A           | 0.43    |
| 247     | 23.5       | 1.1       | 3.98      | 7.76   | A        | A         | A           | 0.64    |
| 248     | 22.80      | 0.53      | 0.88      | 6.62   | A        | A         | A           | 0.14    |
| 249     | 9.5        | 4         | -57.96    | 42.56  | N        | N         | N           | 9.36    |
| 250     | 21.34      | 0.41      | -5.58     | 6.49   | A        | A         | A           | 0.90    |
| 251     | 21.55      | 0.98      | -4.65     | 7.68   | A        | A         | A           | 0.75    |
| 253     | 22.68      | 0.35      | 0.35      | 6.38   | A        | A         | A           | 0.06    |
| 255     | 23.7       | 0.7       | 4.87      | 6.86   | A        | A         | A           | 0.79    |
| 256     | 23.92      | 0.78      | 5.84      | 7.00   | A        | A         | A           | 0.94    |

TABLE 28. Evaluation Results for Cs-137 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 258     | 22.8       | 0.299     | 0.88      | 6.33   | A        | A         | A           | 0.14    |
| 259     | 24.26      | 0.83      | 7.35      | 7.08   | A        | A         | A           | 1.19    |
| 261     | 23.1       | 1.4       | 2.21      | 8.67   | A        | A         | A           | 0.36    |
| 262     | 23.3       | 3.02      | 3.10      | 14.37  | A        | A         | A           | 0.50    |
| 263     | 24.102     | 1.472     | 6.65      | 8.70   | A        | A         | A           | 1.07    |
| 264     | 22.3       | 2.12      | -1.33     | 11.35  | A        | A         | A           | 0.21    |
| 266     | 22.01      | 1.40      | -2.61     | 8.88   | A        | A         | A           | 0.42    |
| 269     | 22.17      | 1.27      | -1.90     | 8.44   | A        | A         | A           | 0.31    |
| 271     | 23.1       | 1.1       | 2.21      | 7.81   | A        | A         | A           | 0.36    |
| 272     | 23.18      | 0.18      | 2.57      | 6.24   | A        | A         | A           | 0.41    |
| 274     | 25.45      | 4.662     | 12.61     | 19.34  | A        | A         | A           | 2.04    |
| 276     | 23.82      | 1.62      | 5.40      | 9.20   | A        | A         | A           | 0.87    |
| 278     | 23.7       | 1.0       | 4.87      | 7.50   | A        | A         | A           | 0.79    |
| 281     | 22.4       | 1.3       | -0.88     | 8.49   | A        | A         | A           | 0.14    |
| 284     | 21.13      | 0.94      | -6.50     | 7.63   | A        | A         | A           | 1.05    |
| 285     | 22.00      | 1.57      | -2.65     | 9.45   | A        | A         | A           | 0.43    |
| 286     | 23.2       | 0.8       | 2.65      | 7.09   | A        | A         | A           | 0.43    |
| 287     | 22.685     | 0.92      | 0.38      | 7.40   | A        | A         | A           | 0.06    |
| 289     | 22.8       | 1.3       | 0.88      | 8.42   | A        | A         | A           | 0.14    |
| 290     | 22.51      | 1.10      | -0.40     | 7.89   | A        | A         | A           | 0.06    |
| 292     | 22.3       | 3.1       | -1.33     | 15.22  | A        | A         | A           | 0.21    |
| 295     | 22.84      | 1.18      | 1.06      | 8.07   | A        | A         | A           | 0.17    |
| 296     | 22.0       | 0.7       | -2.65     | 6.96   | A        | A         | A           | 0.43    |
| 298     | 22.79      | 0.26      | 0.84      | 6.30   | A        | A         | A           | 0.14    |
| 299     | 22.10      | 1.13      | -2.21     | 8.03   | A        | A         | A           | 0.36    |
| 301     | 24.4       | 0.6       | 7.96      | 6.66   | A        | A         | A           | 1.29    |
| 303     | 23.17      | 0.30      | 2.52      | 6.33   | A        | A         | A           | 0.41    |
| 304     | 56.2       | 1.3       | 148.67    | 6.61   | N        | N         | N           | 24.00   |
| 305     | 23.047     | 1.95      | 1.98      | 10.49  | A        | A         | A           | 0.32    |
| 306     | 22.7       | 0.7       | 0.44      | 6.92   | A        | A         | A           | 0.07    |
| 307     | 22.50      | 0.42      | -0.44     | 6.47   | A        | A         | A           | 0.07    |
| 309     | 23.93      | 2.353     | 5.88      | 11.62  | A        | A         | A           | 0.95    |
| 310     | 25.1       | 2.8       | 11.06     | 12.76  | A        | A         | A           | 1.79    |
| 312     | 23.49      | 0.76      | 3.94      | 6.99   | A        | A         | A           | 0.64    |
| 313     | 23.1       | 1.5       | 2.21      | 8.97   | A        | A         | A           | 0.36    |

## Reported Results for Pu-239 Determination in Sample 3

TABLE 29. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 5.16  |
| UNC, Bq/kg          | 0.31  |
| MARB, %             | 30    |

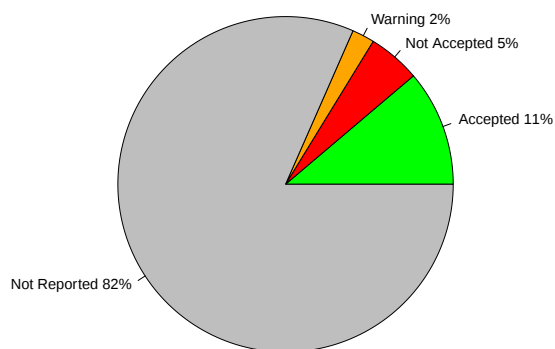


FIGURE 29. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

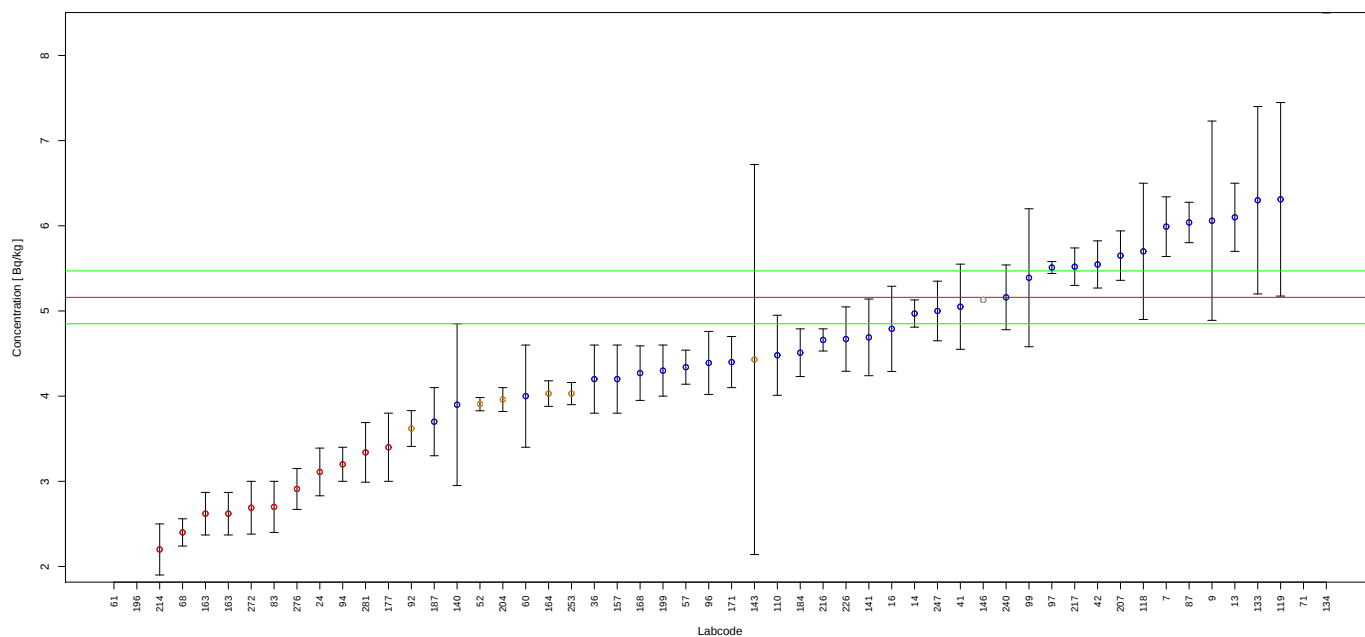


FIGURE 30. Reported results and evaluation parameters for Pu-239. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 30. Evaluation Results for Pu-239 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 7       | 5.99       | 0.35      | 16.09     | 8.38   | A        | A         | A           | 2.68    |
| 9       | 6.06       | 1.17      | 17.44     | 20.22  | A        | A         | A           | 2.90    |
| 13      | 6.1        | 0.4       | 18.22     | 8.89   | A        | A         | A           | 3.03    |
| 14      | 4.97       | 0.16      | -3.68     | 6.82   | A        | A         | A           | 0.61    |
| 16      | 4.79       | 0.5       | -7.17     | 12.04  | A        | A         | A           | 1.19    |
| 24      | 3.11       | 0.28      | -39.73    | 10.82  | N        | N         | N           | 6.61    |
| 36      | 4.2        | 0.4       | -18.60    | 11.26  | A        | A         | A           | 3.10    |
| 41      | 5.05       | 0.5       | -2.13     | 11.58  | A        | A         | A           | 0.35    |
| 42      | 5.5464     | 0.277     | 7.49      | 7.81   | A        | A         | A           | 1.25    |
| 52      | 3.906      | 0.078     | -24.30    | 6.33   | A        | N         | W           | 4.05    |
| 57      | 4.34       | 0.2       | -15.89    | 7.57   | A        | A         | A           | 2.65    |
| 60      | 4.00       | 0.60      | -22.48    | 16.16  | A        | A         | A           | 3.74    |
| 61      | 1.29       | 0.1       | -75.00    | 9.81   | N        | N         | N           | 12.48   |
| 68      | 2.40       | 0.16      | -53.49    | 8.97   | N        | N         | N           | 8.90    |
| 71      | 10.02      | 0.84      | 94.19     | 10.31  | N        | N         | N           | 15.68   |
| 83      | 2.7        | 0.3       | -47.67    | 12.63  | N        | N         | N           | 7.94    |
| 87      | 6.039      | 0.2373    | 17.03     | 7.18   | A        | A         | A           | 2.84    |
| 92      | 3.62       | 0.21      | -29.84    | 8.35   | A        | N         | W           | 4.97    |
| 94      | 3.2        | 0.2       | -37.98    | 8.67   | N        | N         | N           | 6.32    |
| 96      | 4.39       | 0.37      | -14.92    | 10.35  | A        | A         | A           | 2.48    |
| 97      | 5.51       | 0.07      | 6.78      | 6.14   | A        | A         | A           | 1.13    |
| 99      | 5.39       | 0.81      | 4.46      | 16.18  | A        | A         | A           | 0.74    |
| 110     | 4.48       | 0.47      | -13.18    | 12.09  | A        | A         | A           | 2.19    |
| 118     | 5.7        | 0.8       | 10.47     | 15.27  | A        | A         | A           | 1.74    |
| 119     | 6.311      | 1.136     | 22.31     | 18.98  | A        | A         | A           | 3.71    |
| 133     | 6.3        | 1.1       | 22.09     | 18.46  | A        | A         | A           | 3.68    |
| 134     | 10.5       | 2         | 103.49    | 19.97  | N        | N         | N           | 17.23   |
| 140     | 3.9        | 0.95      | -24.42    | 25.09  | A        | A         | A           | 4.06    |
| 141     | 4.69       | 0.45      | -9.11     | 11.32  | A        | A         | A           | 1.52    |
| 143     | 4.43       | 2.29      | -14.15    | 52.04  | A        | N         | W           | 2.35    |
| 146     | 5.13       |           | -0.58     |        | A        |           |             | 0.10    |
| 157     | 4.2        | 0.4       | -18.60    | 11.26  | A        | A         | A           | 3.10    |
| 163     | 2.62       | 0.25      | -49.22    | 11.28  | N        | N         | N           | 8.19    |
| 163     | 2.62       | 0.25      | -49.22    | 11.28  | N        | N         | N           | 8.19    |
| 164     | 4.03       | 0.15      | -21.90    | 7.07   | A        | N         | W           | 3.65    |
| 168     | 4.27       | 0.32      | -17.25    | 9.60   | A        | A         | A           | 2.87    |
| 171     | 4.4        | 0.3       | -14.73    | 9.09   | A        | A         | A           | 2.45    |
| 177     | 3.4        | 0.4       | -34.11    | 13.21  | N        | N         | N           | 5.68    |
| 184     | 4.51       | 0.28      | -12.60    | 8.64   | A        | A         | A           | 2.10    |
| 187     | 3.7        | 0.4       | -28.29    | 12.37  | A        | A         | A           | 4.71    |
| 196     | 1.48       | 0.148     | -71.32    | 11.67  | N        | N         | N           | 11.87   |
| 199     | 4.3        | 0.3       | -16.67    | 9.21   | A        | A         | A           | 2.77    |
| 204     | 3.96       | 0.14      | -23.26    | 6.97   | A        | N         | W           | 3.87    |
| 207     | 5.65       | 0.29      | 9.50      | 7.90   | A        | A         | A           | 1.58    |
| 214     | 2.2        | 0.3       | -57.36    | 14.90  | N        | N         | N           | 9.55    |
| 216     | 4.66       | 0.13      | -9.69     | 6.62   | A        | A         | A           | 1.61    |
| 217     | 5.52       | 0.22      | 6.98      | 7.21   | A        | A         | A           | 1.16    |
| 226     | 4.67       | 0.378     | -9.50     | 10.08  | A        | A         | A           | 1.58    |
| 240     | 5.16       | 0.38      | 0.00      | 9.50   | A        | A         | A           | 0.00    |
| 247     | 5.00       | 0.35      | -3.10     | 9.22   | A        | A         | A           | 0.52    |
| 253     | 4.03       | 0.13      | -21.90    | 6.82   | A        | N         | W           | 3.65    |
| 272     | 2.69       | 0.31      | -47.87    | 13.00  | N        | N         | N           | 7.97    |
| 276     | 2.91       | 0.24      | -43.60    | 10.20  | N        | N         | N           | 7.26    |

TABLE 30. Evaluation Results for Pu-239 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 281     | 3.34       | 0.35      | -35.27    | 12.08  | N        | N         | N           | 5.87    |

## Reported Results for Am-241 Determination in Sample 3

TABLE 31. Target values

| Parameter           | Value |
|---------------------|-------|
| Target Value, Bq/kg | 0.902 |
| UNC, Bq/kg          | 0.054 |
| MARB, %             | 30    |

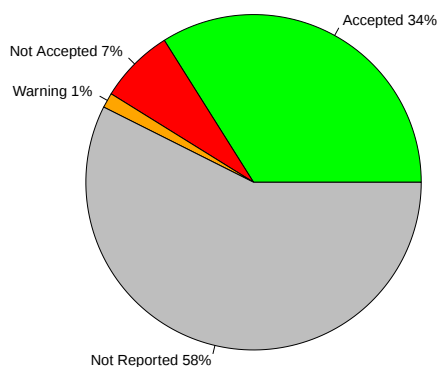


FIGURE 31. Percentage of Accepted vs. Warnings vs. Not Accepted vs. Not Reported results

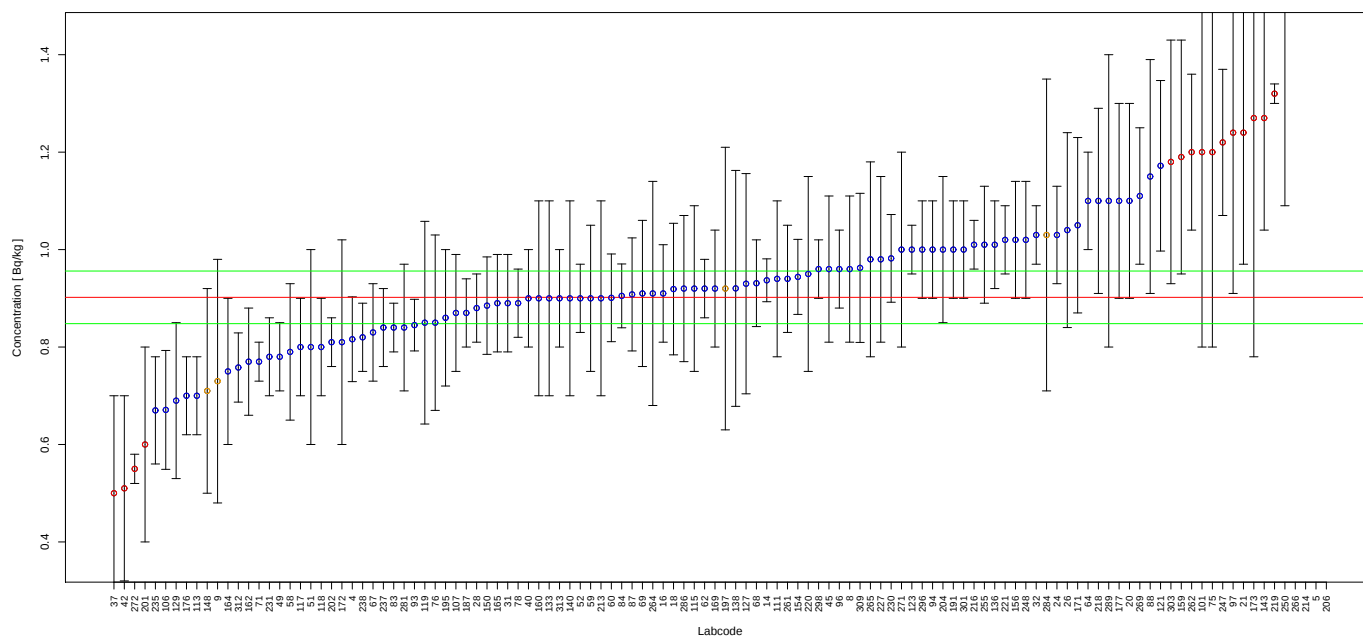


FIGURE 32. Reported results and evaluation parameters for Am-241. Blue points represent accepted scores, whereas yellow and red represent warning and not accepted scores respectively.

TABLE 32. Evaluation Results for Am-241 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 4       | 0.816      | 0.087     | -9.53     | 12.23  | A        | A         | A           | 1.59    |
| 5       | 7.81       | 0.21      | 765.85    | 6.56   | N        | N         | N           | 127.93  |
| 8       | 0.96       | 0.15      | 6.43      | 16.73  | A        | A         | A           | 1.07    |
| 9       | 0.73       | 0.25      | -19.07    | 34.77  | A        | N         | W           | 3.19    |
| 14      | 0.937      | 0.044     | 3.88      | 7.61   | A        | A         | A           | 0.65    |
| 16      | 0.91       | 0.1       | 0.89      | 12.51  | A        | A         | A           | 0.15    |
| 18      | 0.919      | 0.135     | 1.88      | 15.86  | A        | A         | A           | 0.31    |
| 20      | 1.1        | 0.2       | 21.95     | 19.14  | A        | A         | A           | 3.67    |
| 21      | 1.24       | 0.27      | 37.47     | 22.58  | N        | A         | N           | 6.26    |
| 24      | 1.03       | 0.10      | 14.19     | 11.41  | A        | A         | A           | 2.37    |
| 26      | 1.04       | 0.2       | 15.30     | 20.14  | A        | A         | A           | 2.56    |
| 28      | 0.88       | 0.07      | -2.44     | 9.96   | A        | A         | A           | 0.41    |
| 31      | 0.89       | 0.1       | -1.33     | 12.73  | A        | A         | A           | 0.22    |
| 32      | 1.03       | 0.06      | 14.19     | 8.35   | A        | A         | A           | 2.37    |
| 37      | 0.5        | 0.2       | -44.57    | 40.45  | N        | N         | N           | 7.44    |
| 40      | 0.9        | 0.1       | -0.22     | 12.62  | A        | A         | A           | 0.04    |
| 42      | 0.51       | 0.19      | -43.46    | 37.73  | N        | N         | N           | 7.26    |
| 45      | 0.96       | 0.15      | 6.43      | 16.73  | A        | A         | A           | 1.07    |
| 49      | 0.78       | 0.07      | -13.53    | 10.79  | A        | A         | A           | 2.26    |
| 51      | 0.8        | 0.2       | -11.31    | 25.71  | A        | A         | A           | 1.89    |
| 52      | 0.9        | 0.07      | -0.22     | 9.82   | A        | A         | A           | 0.04    |
| 58      | 0.79       | 0.14      | -12.42    | 18.71  | A        | A         | A           | 2.07    |
| 59      | 0.9        | 0.15      | -0.22     | 17.71  | A        | A         | A           | 0.04    |
| 60      | 0.901      | 0.090     | -0.11     | 11.65  | A        | A         | A           | 0.02    |
| 62      | 0.92       | 0.06      | 2.00      | 8.85   | A        | A         | A           | 0.33    |
| 64      | 1.1        | 0.1       | 21.95     | 10.89  | A        | A         | A           | 3.67    |
| 67      | 0.83       | 0.10      | -7.98     | 13.45  | A        | A         | A           | 1.33    |
| 68      | 0.931      | 0.089     | 3.22      | 11.28  | A        | A         | A           | 0.54    |
| 69      | 0.91       | 0.15      | 0.89      | 17.54  | A        | A         | A           | 0.15    |
| 71      | 0.77       | 0.04      | -14.63    | 7.93   | A        | A         | A           | 2.44    |
| 75      | 1.2        | 0.4       | 33.04     | 33.87  | N        | N         | N           | 5.52    |
| 76      | 0.85       | 0.18      | -5.76     | 22.01  | A        | A         | A           | 0.96    |
| 78      | 0.89       | 0.07      | -1.33     | 9.88   | A        | A         | A           | 0.22    |
| 83      | 0.84       | 0.05      | -6.87     | 8.44   | A        | A         | A           | 1.15    |
| 84      | 0.905      | 0.0655    | 0.33      | 9.39   | A        | A         | A           | 0.06    |
| 87      | 0.908      | 0.116     | 0.67      | 14.11  | A        | A         | A           | 0.11    |
| 88      | 1.15       | 0.24      | 27.49     | 21.71  | A        | A         | A           | 4.59    |
| 93      | 0.845      | 0.053     | -6.32     | 8.67   | A        | A         | A           | 1.06    |
| 94      | 1.0        | 0.1       | 10.86     | 11.66  | A        | A         | A           | 1.81    |
| 96      | 0.96       | 0.08      | 6.43      | 10.26  | A        | A         | A           | 1.07    |
| 97      | 1.24       | 0.33      | 37.47     | 27.28  | N        | A         | N           | 6.26    |
| 101     | 1.2        | 0.4       | 33.04     | 33.87  | N        | N         | N           | 5.52    |
| 106     | 0.671      | 0.122     | -25.61    | 19.14  | A        | A         | A           | 4.28    |
| 107     | 0.87       | 0.12      | -3.55     | 15.04  | A        | A         | A           | 0.59    |
| 111     | 0.94       | 0.16      | 4.21      | 18.04  | A        | A         | A           | 0.70    |
| 113     | 0.70       | 0.08      | -22.39    | 12.90  | A        | A         | A           | 3.74    |
| 115     | 0.92       | 0.17      | 2.00      | 19.42  | A        | A         | A           | 0.33    |
| 117     | 0.8        | 0.1       | -11.31    | 13.86  | A        | A         | A           | 1.89    |
| 118     | 0.8        | 0.1       | -11.31    | 13.86  | A        | A         | A           | 1.89    |
| 119     | 0.850      | 0.208     | -5.76     | 25.19  | A        | A         | A           | 0.96    |
| 121     | 1.172      | 0.175     | 29.93     | 16.09  | A        | A         | A           | 5.00    |
| 123     | 1.0        | 0.05      | 10.86     | 7.80   | A        | A         | A           | 1.81    |
| 127     | 0.930      | 0.226     | 3.10      | 25.03  | A        | A         | A           | 0.52    |

TABLE 32. Evaluation Results for Am-241 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 129     | 0.69       | 0.16      | -23.50    | 23.95  | A        | A         | A           | 3.93    |
| 133     | 0.9        | 0.2       | -0.22     | 23.01  | A        | A         | A           | 0.04    |
| 136     | 1.01       | 0.09      | 11.97     | 10.74  | A        | A         | A           | 2.00    |
| 138     | 0.9204     | 0.2421    | 2.04      | 26.98  | A        | A         | A           | 0.34    |
| 140     | 0.9        | 0.2       | -0.22     | 23.01  | A        | A         | A           | 0.04    |
| 143     | 1.27       | 0.23      | 40.80     | 19.07  | N        | A         | N           | 6.81    |
| 148     | 0.71       | 0.21      | -21.29    | 30.18  | A        | N         | W           | 3.56    |
| 150     | 0.885      | 0.1       | -1.88     | 12.79  | A        | A         | A           | 0.31    |
| 154     | 0.944      | 0.077     | 4.66      | 10.12  | A        | A         | A           | 0.78    |
| 156     | 1.02       | 0.12      | 13.08     | 13.20  | A        | A         | A           | 2.19    |
| 159     | 1.19       | 0.24      | 31.93     | 21.04  | N        | A         | N           | 5.33    |
| 160     | 0.9        | 0.2       | -0.22     | 23.01  | A        | A         | A           | 0.04    |
| 162     | 0.77       | 0.11      | -14.63    | 15.49  | A        | A         | A           | 2.44    |
| 164     | 0.75       | 0.15      | -16.85    | 20.88  | A        | A         | A           | 2.81    |
| 165     | 0.89       | 0.10      | -1.33     | 12.73  | A        | A         | A           | 0.22    |
| 169     | 0.92       | 0.12      | 2.00      | 14.35  | A        | A         | A           | 0.33    |
| 171     | 1.05       | 0.18      | 16.41     | 18.16  | A        | A         | A           | 2.74    |
| 172     | 0.81       | 0.21      | -10.20    | 26.61  | A        | A         | A           | 1.70    |
| 173     | 1.27       | 0.49      | 40.80     | 39.04  | N        | N         | N           | 6.81    |
| 176     | 0.70       | 0.08      | -22.39    | 12.90  | A        | A         | A           | 3.74    |
| 177     | 1.1        | 0.2       | 21.95     | 19.14  | A        | A         | A           | 3.67    |
| 187     | 0.87       | 0.07      | -3.55     | 10.03  | A        | A         | A           | 0.59    |
| 191     | 1.0        | 0.1       | 10.86     | 11.66  | A        | A         | A           | 1.81    |
| 195     | 0.86       | 0.14      | -4.66     | 17.34  | A        | A         | A           | 0.78    |
| 197     | 0.92       | 0.29      | 2.00      | 32.09  | A        | N         | W           | 0.33    |
| 201     | 0.6        | 0.2       | -33.48    | 33.87  | N        | N         | N           | 5.59    |
| 202     | 0.81       | 0.05      | -10.20    | 8.60   | A        | A         | A           | 1.70    |
| 204     | 1.00       | 0.15      | 10.86     | 16.15  | A        | A         | A           | 1.81    |
| 206     | 93.4       | 0.71      | 10254.77  | 6.03   | N        | N         | N           | 1712.93 |
| 213     | 0.9        | 0.2       | -0.22     | 23.01  | A        | A         | A           | 0.04    |
| 214     | 2.4        | 0.4       | 166.08    | 17.71  | N        | N         | N           | 27.74   |
| 216     | 1.01       | 0.05      | 11.97     | 7.77   | A        | A         | A           | 2.00    |
| 218     | 1.1        | 0.19      | 21.95     | 18.28  | A        | A         | A           | 3.67    |
| 219     | 1.32       | 0.02      | 46.34     | 6.18   | N        | N         | N           | 7.74    |
| 220     | 0.95       | 0.2       | 5.32      | 21.89  | A        | A         | A           | 0.89    |
| 221     | 1.02       | 0.07      | 13.08     | 9.11   | A        | A         | A           | 2.19    |
| 227     | 0.98       | 0.17      | 8.65      | 18.35  | A        | A         | A           | 1.44    |
| 230     | 0.982      | 0.090     | 8.87      | 10.95  | A        | A         | A           | 1.48    |
| 231     | 0.78       | 0.08      | -13.53    | 11.88  | A        | A         | A           | 2.26    |
| 235     | 0.67       | 0.11      | -25.72    | 17.48  | A        | A         | A           | 4.30    |
| 237     | 0.84       | 0.08      | -6.87     | 11.25  | A        | A         | A           | 1.15    |
| 238     | 0.82       | 0.07      | -9.09     | 10.43  | A        | A         | A           | 1.52    |
| 247     | 1.22       | 0.15      | 35.25     | 13.68  | N        | A         | N           | 5.89    |
| 248     | 1.02       | 0.12      | 13.08     | 13.20  | A        | A         | A           | 2.19    |
| 250     | 1.53       | 0.44      | 69.62     | 29.37  | N        | A         | N           | 11.63   |
| 255     | 1.01       | 0.12      | 11.97     | 13.30  | A        | A         | A           | 2.00    |
| 261     | 0.94       | 0.11      | 4.21      | 13.14  | A        | A         | A           | 0.70    |
| 262     | 1.2        | 0.16      | 33.04     | 14.62  | N        | A         | N           | 5.52    |
| 264     | 0.91       | 0.23      | 0.89      | 25.97  | A        | A         | A           | 0.15    |
| 265     | 0.98       | 0.20      | 8.65      | 21.27  | A        | A         | A           | 1.44    |
| 266     | 2.27       | 0.49      | 151.66    | 22.40  | N        | N         | N           | 25.33   |
| 269     | 1.11       | 0.14      | 23.06     | 13.96  | A        | A         | A           | 3.85    |
| 271     | 1.0        | 0.2       | 10.86     | 20.88  | A        | A         | A           | 1.81    |
| 272     | 0.55       | 0.03      | -39.02    | 8.10   | N        | N         | N           | 6.52    |

TABLE 32. Evaluation Results for Am-241 in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Rel. Bias | P Test | Accuracy | Precision | Final Score | Z-Score |
|---------|------------|-----------|-----------|--------|----------|-----------|-------------|---------|
| 281     | 0.84       | 0.13      | -6.87     | 16.59  | A        | A         | A           | 1.15    |
| 284     | 1.03       | 0.32      | 14.19     | 31.64  | A        | N         | W           | 2.37    |
| 286     | 0.92       | 0.15      | 2.00      | 17.37  | A        | A         | A           | 0.33    |
| 289     | 1.1        | 0.3       | 21.95     | 27.92  | A        | A         | A           | 3.67    |
| 296     | 1.00       | 0.1       | 10.86     | 11.66  | A        | A         | A           | 1.81    |
| 298     | 0.96       | 0.06      | 6.43      | 8.65   | A        | A         | A           | 1.07    |
| 301     | 1.0        | 0.1       | 10.86     | 11.66  | A        | A         | A           | 1.81    |
| 303     | 1.18       | 0.25      | 30.82     | 22.02  | N        | A         | N           | 5.15    |
| 309     | 0.9625     | 0.153     | 6.71      | 16.99  | A        | A         | A           | 1.12    |
| 312     | 0.758      | 0.071     | -15.96    | 11.12  | A        | A         | A           | 2.67    |
| 313     | 0.9        | 0.1       | -0.22     | 12.62  | A        | A         | A           | 0.04    |

4 Intercomparison Parameters

Reported Results for Gross alpha Determination in Sample 1

TABLE 33. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 23.98 |
| Robust SD, Bq/kg   | 7.78  |
| N                  | 211   |

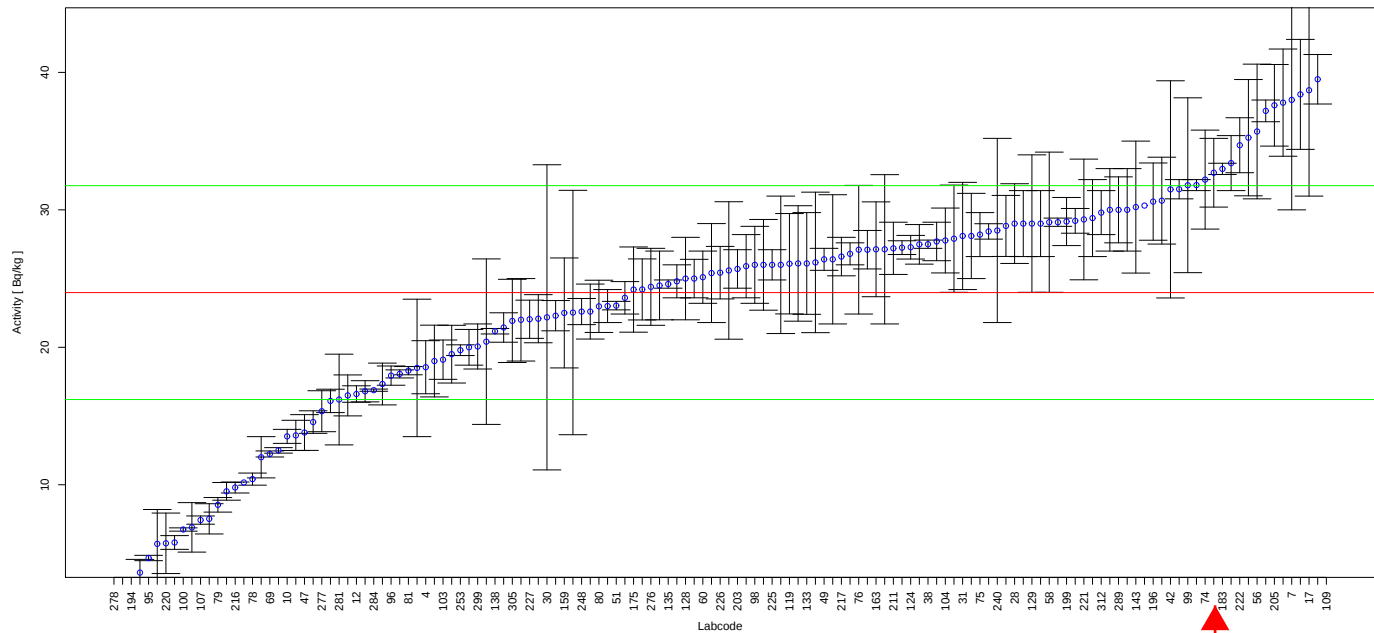


FIGURE 33. Reported results and evaluation parameters for Gross alpha in Sample 1.

TABLE 34. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 18.55      | 1.93      | 0.70    | A                  |
| 5       | 3.61       | 0.96      | 2.62    | W                  |
| 7       | 38         | 8         | 1.80    | A                  |
| 8       | 27.7       | 1.4       | 0.48    | A                  |
| 9       | 28.83      | 2.22      | 0.62    | A                  |
| 10      | 13.52      | 0.51      | 1.34    | A                  |
| 12      | 16.6       | 0.6       | 0.95    | A                  |
| 13      | 22.3       | 1.1       | 0.22    | A                  |
| 14      | 27.13      | 5.43      | 0.40    | A                  |
| 17      | 38.7       | 7.7       | 1.89    | A                  |
| 24      | 23.0       | 1.2       | 0.13    | A                  |
| 25      | 18.0639    | 0.2926    | 0.76    | A                  |
| 26      | 31.8       | 0.4       | 1.01    | A                  |
| 28      | 29.0       | 2.9       | 0.65    | A                  |
| 30      | 22.18      | 11.1      | 0.23    | A                  |
| 31      | 28.1       | 3.9       | 0.53    | A                  |
| 36      | 26         | 5         | 0.26    | A                  |
| 38      | 27.5       | 0.3       | 0.45    | A                  |
| 42      | 31.49      | 7.9       | 0.97    | A                  |
| 45      | 26.1       | 4.2       | 0.27    | A                  |

TABLE 34. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 47      | 13.8       | 1.3       | 1.31    | A                  |
| 49      | 26.4       | 0.8       | 0.31    | A                  |
| 50      | 26.8       | 0.8       | 0.36    | A                  |
| 51      | 23.033     | 0.309     | 0.12    | A                  |
| 52      | 9.52       | 0.643     | 1.86    | A                  |
| 56      | 35.7       | 4.9       | 1.51    | A                  |
| 58      | 29.1       | 5.1       | 0.66    | A                  |
| 60      | 25.1       | 1.9       | 0.14    | A                  |
| 62      | 27.1       | 1.4       | 0.40    | A                  |
| 64      | 23.6       | 1.18      | 0.05    | A                  |
| 67      | 25         | 1.4       | 0.13    | A                  |
| 68      | 24.8       | 1.2       | 0.11    | A                  |
| 69      | 12.24      | 0.22      | 1.51    | A                  |
| 74      | 32.2       | 3.6       | 1.06    | A                  |
| 75      | 28.2       | 1.6       | 0.54    | A                  |
| 76      | 27.1       | 4.68      | 0.40    | A                  |
| 78      | 10.41      | 0.44      | 1.74    | A                  |
| 79      | 8.54       | 0.53      | 1.98    | A                  |
| 80      | 22.98      | 1.90      | 0.13    | A                  |
| 81      | 18.3       | 0.3       | 0.73    | A                  |
| 83      | 19.5       | 2.1       | 0.58    | A                  |
| 87      | 25.59      | 5         | 0.21    | A                  |
| 88      | 37.8       | 3.9       | 1.78    | A                  |
| 90      | 37.2       | 0.79      | 1.70    | A                  |
| 94      | 20.0       | 1.3       | 0.51    | A                  |
| 95      | 4.6712     | 0.1939    | 2.48    | W                  |
| 96      | 17.94      | 0.70      | 0.78    | A                  |
| 98      | 26.0       | 2.8       | 0.26    | A                  |
| 99      | 31.79      | 6.36      | 1.00    | A                  |
| 100     | 6.744      | 0.119     | 2.22    | W                  |
| 101     | 33.4       | 2         | 1.21    | A                  |
| 103     | 19.1       | 1.43      | 0.63    | A                  |
| 104     | 27.77      | 2.36      | 0.49    | A                  |
| 105     | 22.08      | 1.75      | 0.24    | A                  |
| 107     | 7.43       | 0.3       | 2.13    | W                  |
| 109     | 63.27      | 0.14      | 5.05    | N                  |
| 110     | 16.5       | 1.49      | 0.96    | A                  |
| 113     | 24.21      | 2.22      | 0.03    | A                  |
| 118     | 30         | 3         | 0.77    | A                  |
| 119     | 26.080     | 3.651     | 0.27    | A                  |
| 120     | 24.5       | 2.5       | 0.07    | A                  |
| 123     | 27.49      | 1.44      | 0.45    | A                  |
| 124     | 27.28      | 0.86      | 0.42    | A                  |
| 126     | 32.7       | 2.5       | 1.12    | A                  |
| 127     | 7.52       | 1.1       | 2.12    | W                  |
| 128     | 25.0       | 3.0       | 0.13    | A                  |
| 129     | 29         | 5         | 0.65    | A                  |
| 130     | 0.8        | 0.28      | 2.98    | W                  |
| 133     | 26.1       | 3.7       | 0.27    | A                  |
| 135     | 24.6       | 0.3       | 0.08    | A                  |
| 137     | 16.80      | 0.77      | 0.92    | A                  |
| 138     | 21.17      | 0.20      | 0.36    | A                  |
| 139     | 31.5       | 0.7       | 0.97    | A                  |
| 143     | 30.2       | 4.8       | 0.80    | A                  |

TABLE 34. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 146     | 30.31      |           | 0.81    | A                  |
| 149     | 22.6       | 2         | 0.18    | A                  |
| 150     | 5.70       | 2.5       | 2.35    | W                  |
| 155     | 14.56      | 0.82      | 1.21    | A                  |
| 156     | 29.4       | 2.8       | 0.70    | A                  |
| 157     | 29.0       | 2.4       | 0.65    | A                  |
| 158     | 26.176     | 5.111     | 0.28    | A                  |
| 159     | 22.5       | 4.0       | 0.19    | A                  |
| 160     | 16.10      | 0.85      | 1.01    | A                  |
| 161     | 25.9       | 2.3       | 0.25    | A                  |
| 163     | 27.13      | 3.45      | 0.40    | A                  |
| 171     | 29.2       | 0.9       | 0.67    | A                  |
| 173     | 30.67      | 3.16      | 0.86    | A                  |
| 175     | 24.2       | 3.1       | 0.03    | A                  |
| 177     | 22.0       | 3.0       | 0.25    | A                  |
| 183     | 32.98      | 0.41      | 1.16    | A                  |
| 186     | 26.4       | 4.7       | 0.31    | A                  |
| 192     | 22.53      | 8.89      | 0.19    | A                  |
| 194     | 1.91       | 0.22      | 2.84    | W                  |
| 196     | 30.6       | 2.81      | 0.85    | A                  |
| 199     | 29.15      | 1.75      | 0.66    | A                  |
| 202     | 38.4       | 4.0       | 1.85    | A                  |
| 203     | 25.7       | 1.4       | 0.22    | A                  |
| 204     | 25.4       | 3.6       | 0.18    | A                  |
| 205     | 37.606     | 2.969     | 1.75    | A                  |
| 208     | 10.1666    | 0.00063   | 1.78    | A                  |
| 211     | 27.2       | 1.9       | 0.41    | A                  |
| 213     | 30         | 3         | 0.77    | A                  |
| 214     | 21.44      | 1.07      | 0.33    | A                  |
| 216     | 9.8        | 0.4       | 1.82    | A                  |
| 217     | 26.6       | 1.4       | 0.34    | A                  |
| 220     | 5.74       | 2.2       | 2.34    | W                  |
| 221     | 29.3       | 4.39      | 0.68    | A                  |
| 222     | 34.7       | 2.0       | 1.38    | A                  |
| 223     | 6.9        | 1.8       | 2.20    | W                  |
| 224     | 18.5       | 5         | 0.70    | A                  |
| 225     | 26.0       | 1.1       | 0.26    | A                  |
| 226     | 25.43      | 1.91      | 0.19    | A                  |
| 227     | 22.04      | 1.39      | 0.25    | A                  |
| 230     | 26         | 3.3       | 0.26    | A                  |
| 231     | 5.8        | 0.5       | 2.34    | W                  |
| 239     | 20.41      | 6.02      | 0.46    | A                  |
| 240     | 28.5       | 6.7       | 0.58    | A                  |
| 241     | 28.43      | 0.56      | 0.57    | A                  |
| 243     | 17.33      | 1.52      | 0.85    | A                  |
| 246     | 29.1       | 0.3       | 0.66    | A                  |
| 247     | 29.0       | 2.4       | 0.65    | A                  |
| 248     | 22.6       | 0.95      | 0.18    | A                  |
| 250     | 35.25      | 4.23      | 1.45    | A                  |
| 253     | 19.79      | 0.39      | 0.54    | A                  |
| 261     | 27.9       | 3.9       | 0.50    | A                  |
| 262     | 12.0       | 1.5       | 1.54    | A                  |
| 266     | 39.5       | 1.8       | 1.99    | A                  |
| 272     | 19.0       | 2.61      | 0.64    | A                  |

TABLE 34. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 276     | 24.4       | 2.8       | 0.05    | A                  |
| 277     | 15.35      | 1.49      | 1.11    | A                  |
| 278     | 0.36       | 0.01      | 3.04    | N                  |
| 281     | 16.2       | 3.3       | 1.00    | A                  |
| 284     | 16.88      | 0.08      | 0.91    | A                  |
| 289     | 30.0       | 2.4       | 0.77    | A                  |
| 290     | 27.25      | 0.50      | 0.42    | A                  |
| 296     | 28.1       | 3.1       | 0.53    | A                  |
| 299     | 20.06      | 1.64      | 0.50    | A                  |
| 303     | 13.59      | 1.1       | 1.34    | A                  |
| 305     | 21.92      | 3.0262    | 0.26    | A                  |
| 306     | 12.5       | 0.2       | 1.48    | A                  |
| 312     | 29.8       | 1.6       | 0.75    | A                  |

## Reported Results for Gross beta Determination in Sample 1

TABLE 35. Target values

| Parameter          | Value  |
|--------------------|--------|
| Robust Mean, Bq/kg | 124.75 |
| Robust SD, Bq/kg   | 29.46  |
| N                  | 213    |

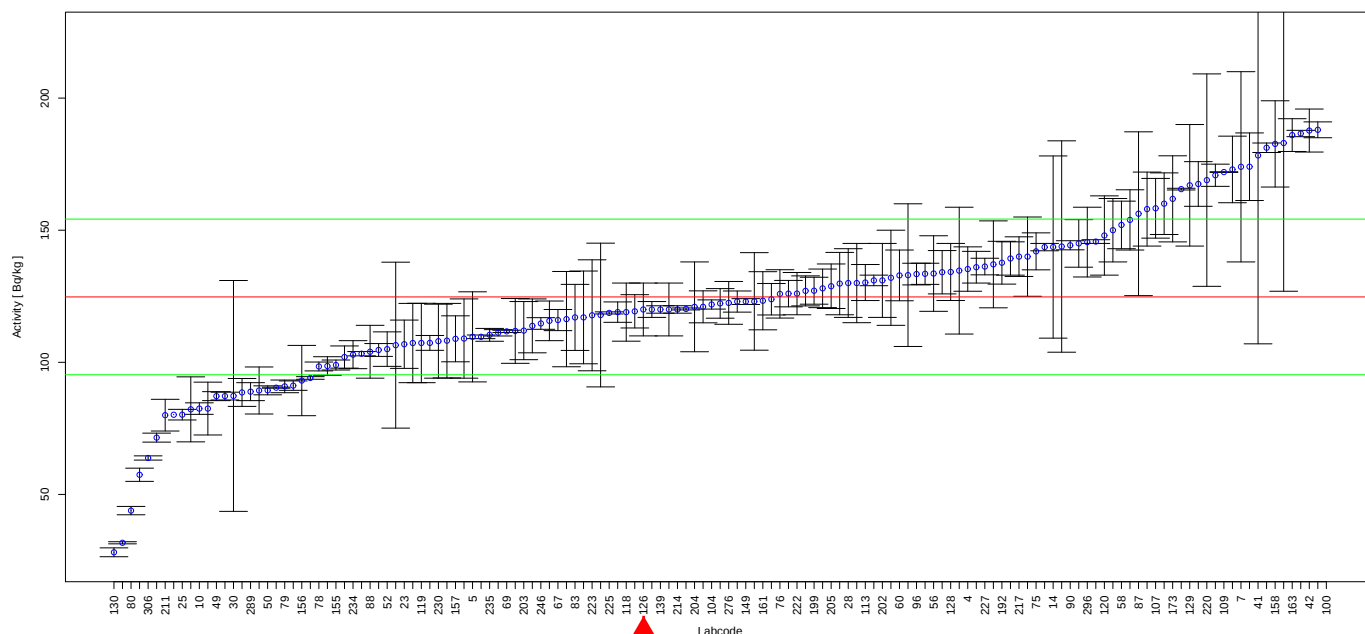


FIGURE 34. Reported results and evaluation parameters for Gross beta in Sample 1.

TABLE 36. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 135.3      | 8.4       | 0.36    | A                  |
| 5       | 109.64     | 17.05     | 0.51    | A                  |
| 7       | 174        | 36        | 1.67    | A                  |
| 8       | 126        | 5         | 0.04    | A                  |
| 9       | 174.03     | 12.79     | 1.67    | A                  |
| 10      | 82.49      | 2.18      | 1.43    | A                  |
| 12      | 123        | 4         | 0.06    | A                  |
| 13      | 139.3      | 6.3       | 0.49    | A                  |
| 14      | 143.63     | 34.48     | 0.64    | A                  |
| 17      | 133        | 27        | 0.28    | A                  |
| 23      | 106.85     | 9.14      | 0.61    | A                  |
| 24      | 120        | 3         | 0.16    | A                  |
| 25      | 80.1893    | 2.0084    | 1.51    | A                  |
| 26      | 186.6      | 1.2       | 2.10    | W                  |
| 28      | 130.0      | 13.0      | 0.18    | A                  |
| 30      | 87.28      | 43.69     | 1.27    | A                  |
| 31      | 132        | 18        | 0.25    | A                  |
| 34      | 104.67     | 2.43      | 0.68    | A                  |
| 36      | 120        | 10        | 0.16    | A                  |
| 38      | 145.7      | 0.7       | 0.71    | A                  |
| 41      | 178.3      | 71.3      | 1.82    | A                  |

TABLE 36. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 42      | 187.723    | 8.137     | 2.14    | W                  |
| 45      | 140        | 15        | 0.52    | A                  |
| 47      | 158        | 14        | 1.13    | A                  |
| 49      | 87.2       | 1.7       | 1.27    | A                  |
| 50      | 89.4       | 1.7       | 1.20    | A                  |
| 51      | 94.077     | 0.493     | 1.04    | A                  |
| 52      | 105        | 6.53      | 0.67    | A                  |
| 56      | 133.6      | 14.3      | 0.30    | A                  |
| 57      | 107.35     | 2.81      | 0.59    | A                  |
| 58      | 152        | 9         | 0.92    | A                  |
| 60      | 132.9      | 9.6       | 0.28    | A                  |
| 62      | 136        | 6         | 0.38    | A                  |
| 64      | 167.5      | 8.45      | 1.45    | A                  |
| 65      | 143.61     | 1.39      | 0.64    | A                  |
| 67      | 116        | 4         | 0.30    | A                  |
| 68      | 122.3      | 5.6       | 0.08    | A                  |
| 69      | 111.71     | 0.44      | 0.44    | A                  |
| 74      | 133.5      | 4.0       | 0.30    | A                  |
| 75      | 142        | 7         | 0.59    | A                  |
| 76      | 125.9      | 9.15      | 0.04    | A                  |
| 78      | 98.43      | 1.68      | 0.89    | A                  |
| 79      | 90.9       | 2.4       | 1.15    | A                  |
| 80      | 43.88      | 1.58      | 2.75    | W                  |
| 81      | 90.4       | 0.2       | 1.17    | A                  |
| 83      | 117.0      | 12.5      | 0.26    | A                  |
| 87      | 156.24     | 31        | 1.07    | A                  |
| 88      | 104        | 10        | 0.70    | A                  |
| 90      | 144.3      | 1.72      | 0.66    | A                  |
| 94      | 115.7      | 7.5       | 0.31    | A                  |
| 95      | 87.2228    | 1.4728    | 1.27    | A                  |
| 96      | 133.4      | 4.1       | 0.29    | A                  |
| 98      | 113.8      | 10.2      | 0.37    | A                  |
| 99      | 117.0      | 17.55     | 0.26    | A                  |
| 100     | 250.9      | 0.502     | 4.28    | N                  |
| 101     | 71.5       | 1.7       | 1.81    | A                  |
| 103     | 173        | 12.6      | 1.64    | A                  |
| 104     | 121.89     | 1.74      | 0.10    | A                  |
| 105     | 143.83     | 40.0      | 0.65    | A                  |
| 107     | 158.3      | 11.3      | 1.14    | A                  |
| 109     | 172.00     | 0.12      | 1.60    | A                  |
| 110     | 88.6       | 5.28      | 1.23    | A                  |
| 113     | 130.20     | 6.82      | 0.18    | A                  |
| 118     | 119        | 11        | 0.20    | A                  |
| 119     | 107.320    | 15.025    | 0.59    | A                  |
| 120     | 148        | 15        | 0.79    | A                  |
| 123     | 123.88     | 5.96      | 0.03    | A                  |
| 124     | 109.65     | 0.69      | 0.51    | A                  |
| 126     | 120        | 10        | 0.16    | A                  |
| 127     | 89.34      | 8.9       | 1.20    | A                  |
| 128     | 134.2      | 10.8      | 0.32    | A                  |
| 129     | 167        | 23        | 1.43    | A                  |
| 130     | 28.1       | 1.68      | 3.28    | N                  |
| 133     | 107.3      | 15.0      | 0.59    | A                  |
| 135     | 31.7       | 0.4       | 3.16    | N                  |

TABLE 36. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 137     | 119.00     | 3.86      | 0.20    | A                  |
| 138     | 120.20     | 0.37      | 0.15    | A                  |
| 139     | 120        | 1.4       | 0.16    | A                  |
| 143     | 128        | 7.3       | 0.11    | A                  |
| 149     | 123.0      | 1.1       | 0.06    | A                  |
| 155     | 98.98      | 1.89      | 0.87    | A                  |
| 156     | 93.1       | 13.3      | 1.07    | A                  |
| 157     | 108.9      | 8.7       | 0.54    | A                  |
| 158     | 182.662    | 16.324    | 1.97    | A                  |
| 159     | 82.5       | 10.0      | 1.43    | A                  |
| 160     | 127.04     | 5.68      | 0.08    | A                  |
| 161     | 123.3      | 11        | 0.05    | A                  |
| 163     | 186.00     | 6.20      | 2.08    | W                  |
| 171     | 131        | 2         | 0.21    | A                  |
| 173     | 161.87     | 16.29     | 1.26    | A                  |
| 175     | 170.8      | 4.2       | 1.56    | A                  |
| 177     | 109.0      | 15.0      | 0.53    | A                  |
| 180     | 145        | 9         | 0.69    | A                  |
| 183     | 111.17     | 1.20      | 0.46    | A                  |
| 186     | 82.2       | 12.3      | 1.44    | A                  |
| 192     | 137.7      | 8.1       | 0.44    | A                  |
| 194     | 91.18      | 1.78      | 1.14    | A                  |
| 196     | 150        | 12        | 0.86    | A                  |
| 199     | 127.1      | 5.1       | 0.08    | A                  |
| 202     | 131        | 14        | 0.21    | A                  |
| 203     | 112.0      | 11.0      | 0.43    | A                  |
| 204     | 121        | 17        | 0.13    | A                  |
| 205     | 128.798    | 8.427     | 0.14    | A                  |
| 208     | 80.1639    | 0.0169    | 1.51    | A                  |
| 211     | 80         | 6         | 1.52    | A                  |
| 213     | 130        | 15        | 0.18    | A                  |
| 214     | 120.01     | 1.41      | 0.16    | A                  |
| 216     | 188        | 3         | 2.15    | W                  |
| 217     | 140        | 7.5       | 0.52    | A                  |
| 220     | 168.96     | 40.2      | 1.50    | A                  |
| 221     | 123.05     | 18.46     | 0.06    | A                  |
| 222     | 126.0      | 8.0       | 0.04    | A                  |
| 223     | 117.8      | 21        | 0.24    | A                  |
| 224     | 134.7      | 24        | 0.34    | A                  |
| 225     | 118.7      | 0.4       | 0.21    | A                  |
| 226     | 121        | 6.05      | 0.13    | A                  |
| 227     | 136.25     | 3.14      | 0.39    | A                  |
| 230     | 108        | 14        | 0.57    | A                  |
| 231     | 57.44      | 2.5       | 2.28    | W                  |
| 234     | 102.90     | 5.30      | 0.74    | A                  |
| 235     | 110.4      | 2.43      | 0.49    | A                  |
| 239     | 106.5      | 31.4      | 0.62    | A                  |
| 240     | 183        | 56.1      | 1.98    | A                  |
| 241     | 181.21     | 1.80      | 1.92    | A                  |
| 243     | 134.1      | 8.2       | 0.32    | A                  |
| 246     | 114.7      | 2.2       | 0.34    | A                  |
| 247     | 119.3      | 6.3       | 0.18    | A                  |
| 248     | 102        | 4.2       | 0.77    | A                  |
| 250     | 137.08     | 16.45     | 0.42    | A                  |

TABLE 36. IC Evaluation Results for in Sample 1, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 253     | 103.26     | 0.81      | 0.73    | A                  |
| 261     | 129.8      | 11.8      | 0.17    | A                  |
| 262     | 108.2      | 14.1      | 0.56    | A                  |
| 272     | 116.35     | 18.03     | 0.29    | A                  |
| 276     | 122.5      | 8.1       | 0.08    | A                  |
| 277     | 111.88     | 12.26     | 0.44    | A                  |
| 284     | 165.55     | 0.32      | 1.38    | A                  |
| 289     | 88.9       | 3.4       | 1.22    | A                  |
| 290     | 98.60      | 3.52      | 0.89    | A                  |
| 296     | 145.5      | 13.2      | 0.70    | A                  |
| 299     | 160.04     | 11.66     | 1.20    | A                  |
| 303     | 117.9      | 27.2      | 0.23    | A                  |
| 306     | 63.8       | 0.8       | 2.07    | W                  |
| 312     | 153.9      | 11.4      | 0.99    | A                  |

## Reported Results for Gross alpha Determination in Sample 2

TABLE 37. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 12.72 |
| Robust SD, Bq/kg   | 3.73  |
| N                  | 207   |

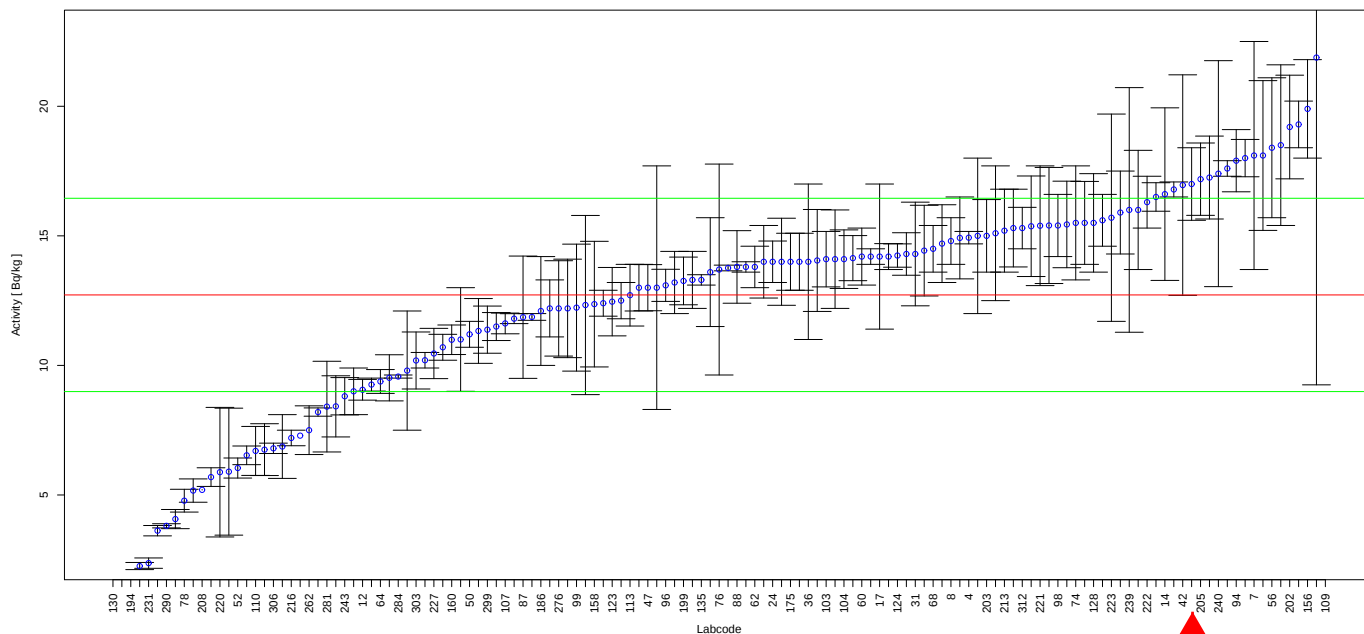


FIGURE 35. Reported results and evaluation parameters for Gross alpha in Sample 2.

TABLE 38. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 14.93      | 0.24      | 0.59    | A                  |
| 5       | 5.17       | 0.45      | 2.02    | W                  |
| 7       | 18.1       | 4.4       | 1.44    | A                  |
| 8       | 14.8       | 0.9       | 0.56    | A                  |
| 9       | 15.37      | 1.94      | 0.71    | A                  |
| 10      | 6.53       | 0.36      | 1.66    | A                  |
| 12      | 9.06       | 0.4       | 0.98    | A                  |
| 13      | 12.5       | 0.7       | 0.06    | A                  |
| 14      | 16.61      | 3.33      | 1.04    | A                  |
| 17      | 14.2       | 2.8       | 0.40    | A                  |
| 24      | 14.0       | 0.8       | 0.34    | A                  |
| 25      | 11.8046    | 0.1914    | 0.25    | A                  |
| 26      | 14.2       | 0.3       | 0.40    | A                  |
| 28      | 14.0       | 1.4       | 0.34    | A                  |
| 30      | 21.88      | 12.63     | 2.46    | W                  |
| 31      | 14.3       | 2.0       | 0.42    | A                  |
| 36      | 14         | 3         | 0.34    | A                  |
| 38      | 13.8       | 0.2       | 0.29    | A                  |
| 42      | 16.959     | 4.255     | 1.14    | A                  |
| 45      | 13.6       | 2.1       | 0.24    | A                  |
| 47      | 13.0       | 0.89      | 0.08    | A                  |

TABLE 38. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 49      | 10.7       | 0.5       | 0.54    | A                  |
| 50      | 11.2       | 0.5       | 0.41    | A                  |
| 52      | 6.04       | 0.387     | 1.79    | A                  |
| 56      | 18.4       | 2.7       | 1.52    | A                  |
| 58      | 15.1       | 2.6       | 0.64    | A                  |
| 60      | 14.2       | 1.1       | 0.40    | A                  |
| 62      | 13.8       | 0.8       | 0.29    | A                  |
| 64      | 9.38       | 0.46      | 0.90    | A                  |
| 67      | 15.6       | 1.0       | 0.77    | A                  |
| 68      | 14.5       | 0.9       | 0.48    | A                  |
| 69      | 8.20       | 0.16      | 1.21    | A                  |
| 74      | 15.5       | 2.2       | 0.75    | A                  |
| 75      | 13.3       | 1.1       | 0.16    | A                  |
| 76      | 13.7       | 4.07      | 0.26    | A                  |
| 78      | 4.78       | 0.44      | 2.13    | W                  |
| 79      | 4.07       | 0.37      | 2.32    | W                  |
| 80      | 6.87       | 1.23      | 1.57    | A                  |
| 81      | 17.6       | 0.3       | 1.31    | A                  |
| 83      | 15.3       | 1.5       | 0.69    | A                  |
| 87      | 11.86      | 2.36      | 0.23    | A                  |
| 88      | 13.8       | 1.4       | 0.29    | A                  |
| 90      | 16.5       | 0.55      | 1.01    | A                  |
| 94      | 17.9       | 1.2       | 1.39    | A                  |
| 95      | 2.2578     | 0.1378    | 2.80    | W                  |
| 96      | 13.09      | 0.62      | 0.10    | A                  |
| 98      | 15.4       | 1.2       | 0.72    | A                  |
| 99      | 12.23      | 2.45      | 0.13    | A                  |
| 100     | 3.622      | 0.2       | 2.44    | W                  |
| 101     | 18.5       | 3.1       | 1.55    | A                  |
| 103     | 14.1       | 1.07      | 0.37    | A                  |
| 104     | 14.10      | 1.13      | 0.37    | A                  |
| 105     | 11.33      | 1.25      | 0.37    | A                  |
| 107     | 11.62      | 0.4       | 0.29    | A                  |
| 109     | 30.00      | 0.07      | 4.63    | N                  |
| 110     | 6.70       | 0.945     | 1.61    | A                  |
| 113     | 12.71      | 1.19      | 0.00    | A                  |
| 118     | 9          | 0.9       | 1.00    | A                  |
| 119     | 14.050     | 1.967     | 0.36    | A                  |
| 120     | 15.9       | 1.6       | 0.85    | A                  |
| 123     | 12.46      | 1.32      | 0.07    | A                  |
| 124     | 14.24      | 0.45      | 0.41    | A                  |
| 126     | 17.0       | 1.4       | 1.15    | A                  |
| 127     | 6.75       | 1.0       | 1.60    | A                  |
| 128     | 15.5       | 1.9       | 0.75    | A                  |
| 129     | 15         | 3         | 0.61    | A                  |
| 130     | 0.3        | 0.17      | 3.33    | N                  |
| 133     | 14.1       | 1.9       | 0.37    | A                  |
| 134     | 0.45       | 0.068     | 3.29    | N                  |
| 135     | 13.3       | 0.2       | 0.16    | A                  |
| 137     | 11.50      | 0.54      | 0.33    | A                  |
| 138     | 11.87      | 0.13      | 0.23    | A                  |
| 143     | 18.1       | 2.89      | 1.44    | A                  |
| 146     | 7.29       |           | 1.46    | A                  |
| 149     | 13.2       | 1.2       | 0.13    | A                  |

TABLE 38. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 150     | 5.9        | 2.45      | 1.83    | A                  |
| 155     | 5.69       | 0.36      | 1.88    | A                  |
| 156     | 19.9       | 1.9       | 1.92    | A                  |
| 157     | 12.2       | 1.1       | 0.14    | A                  |
| 158     | 12.365     | 2.424     | 0.10    | A                  |
| 159     | 12.2       | 1.9       | 0.14    | A                  |
| 160     | 10.99      | 0.57      | 0.46    | A                  |
| 161     | 17.25      | 1.6       | 1.21    | A                  |
| 163     | 14.43      | 1.75      | 0.46    | A                  |
| 171     | 14.2       | 0.5       | 0.40    | A                  |
| 173     | 14.92      | 1.58      | 0.59    | A                  |
| 175     | 14.0       | 1.1       | 0.34    | A                  |
| 177     | 11.0       | 2.0       | 0.46    | A                  |
| 183     | 16.79      | 0.29      | 1.09    | A                  |
| 186     | 12.1       | 2.1       | 0.17    | A                  |
| 192     | 13.0       | 4.7       | 0.08    | A                  |
| 194     | 1.33       | 0.07      | 3.05    | N                  |
| 196     | 15.4       | 2.24      | 0.72    | A                  |
| 199     | 13.26      | 0.92      | 0.14    | A                  |
| 202     | 19.2       | 2.0       | 1.74    | A                  |
| 203     | 15.0       | 1.4       | 0.61    | A                  |
| 204     | 8.42       | 1.18      | 1.15    | A                  |
| 205     | 17.187     | 1.396     | 1.20    | A                  |
| 208     | 5.1974     | 0.00063   | 2.02    | W                  |
| 211     | 13.0       | 0.9       | 0.08    | A                  |
| 213     | 15.2       | 1.6       | 0.66    | A                  |
| 214     | 14.14      | 0.87      | 0.38    | A                  |
| 216     | 7.2        | 0.3       | 1.48    | A                  |
| 217     | 14.3       | 0.82      | 0.42    | A                  |
| 220     | 5.88       | 2.5       | 1.83    | A                  |
| 221     | 15.39      | 2.31      | 0.72    | A                  |
| 222     | 16.3       | 1.0       | 0.96    | A                  |
| 223     | 15.7       | 4         | 0.80    | A                  |
| 224     | 9.8        | 2.3       | 0.78    | A                  |
| 225     | 12.4       | 0.5       | 0.09    | A                  |
| 227     | 10.46      | 0.97      | 0.61    | A                  |
| 230     | 16         | 2.3       | 0.88    | A                  |
| 231     | 2.37       | 0.2       | 2.77    | W                  |
| 239     | 16.0       | 4.72      | 0.88    | A                  |
| 240     | 17.4       | 4.36      | 1.25    | A                  |
| 241     | 13.76      | 0.11      | 0.28    | A                  |
| 243     | 8.81       | 0.72      | 1.05    | A                  |
| 246     | 10.2       | 0.3       | 0.68    | A                  |
| 247     | 14.0       | 1.1       | 0.34    | A                  |
| 248     | 18.0       | 0.72      | 1.42    | A                  |
| 250     | 14.00      | 1.68      | 0.34    | A                  |
| 253     | 9.26       | 0.25      | 0.93    | A                  |
| 262     | 7.5        | 0.94      | 1.40    | A                  |
| 266     | 19.3       | 0.9       | 1.76    | A                  |
| 272     | 15.44      | 1.67      | 0.73    | A                  |
| 276     | 12.2       | 1.84      | 0.14    | A                  |
| 277     | 9.521      | 0.89      | 0.86    | A                  |
| 281     | 8.41       | 1.75      | 1.16    | A                  |
| 284     | 9.57       | 0.06      | 0.84    | A                  |

TABLE 38. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 289     | 14.7       | 1.5       | 0.53    | A                  |
| 290     | 3.81       | 0.08      | 2.39    | W                  |
| 296     | 15.5       | 1.6       | 0.75    | A                  |
| 299     | 11.38      | 0.91      | 0.36    | A                  |
| 303     | 10.19      | 1.1       | 0.68    | A                  |
| 305     | 12.33      | 3.4569    | 0.10    | A                  |
| 306     | 6.8        | 0.2       | 1.59    | A                  |
| 312     | 15.3       | 0.8       | 0.69    | A                  |

## Reported Results for Gross beta Determination in Sample 2

TABLE 39. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 28.94 |
| Robust SD, Bq/kg   | 6.35  |
| N                  | 209   |

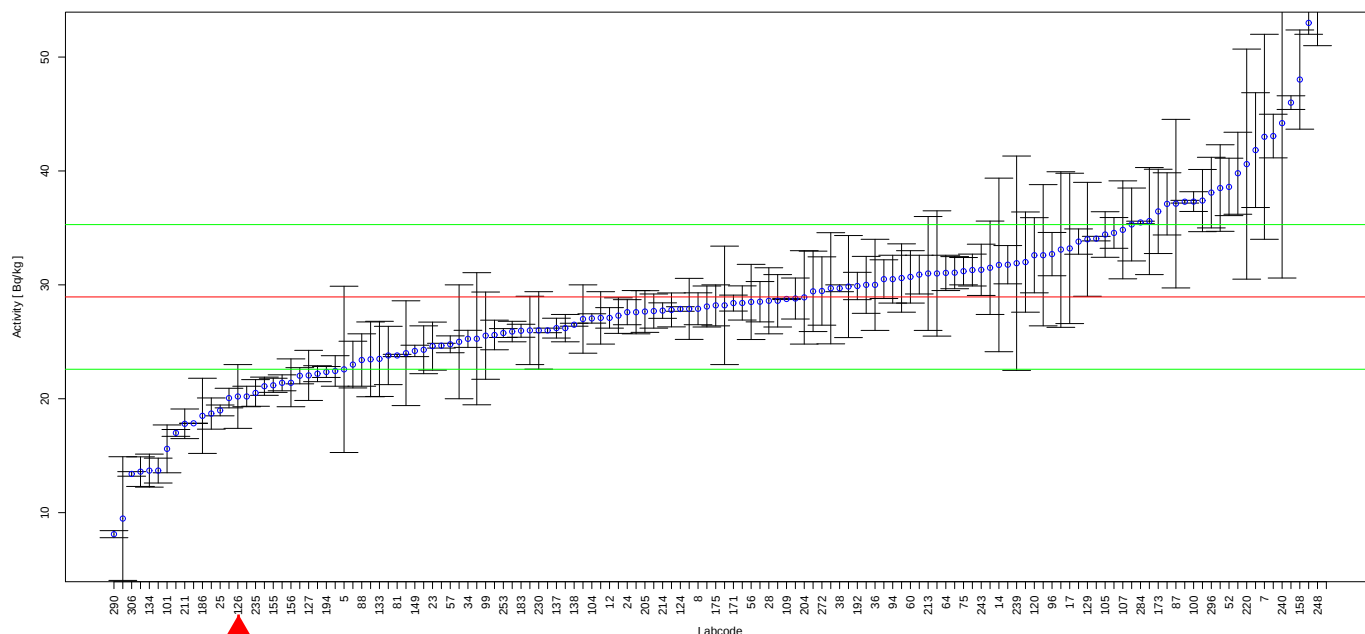


FIGURE 36. Reported results and evaluation parameters for Gross beta in Sample 2.

TABLE 40. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 28.52      | 1.77      | 0.07    | A                  |
| 5       | 22.58      | 7.3       | 1.00    | A                  |
| 7       | 43         | 9         | 2.21    | W                  |
| 8       | 27.9       | 1.4       | 0.16    | A                  |
| 9       | 41.83      | 5.04      | 2.03    | W                  |
| 10      | 22.44      | 1.34      | 1.02    | A                  |
| 12      | 27.1       | 0.9       | 0.29    | A                  |
| 13      | 31.3       | 1.4       | 0.37    | A                  |
| 14      | 31.75      | 7.62      | 0.44    | A                  |
| 17      | 33.2       | 6.6       | 0.67    | A                  |
| 23      | 24.62      | 2.11      | 0.68    | A                  |
| 24      | 27.6       | 1.1       | 0.21    | A                  |
| 25      | 18.9754    | 0.4753    | 1.57    | A                  |
| 26      | 53         | 1         | 3.79    | N                  |
| 28      | 28.6       | 2.9       | 0.05    | A                  |
| 30      | 9.48       | 5.43      | 3.06    | N                  |
| 31      | 32.0       | 4.4       | 0.48    | A                  |
| 34      | 25.26      | 0.75      | 0.58    | A                  |
| 36      | 30         | 4         | 0.17    | A                  |
| 38      | 29.7       | 0.3       | 0.12    | A                  |
| 42      | 43.065     | 1.916     | 2.22    | W                  |

TABLE 40. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 45      | 28.2       | 5.2       | 0.12    | A                  |
| 47      | 35.3       | 3.2       | 1.00    | A                  |
| 49      | 21.4       | 0.7       | 1.19    | A                  |
| 50      | 22.2       | 0.7       | 1.06    | A                  |
| 52      | 38.6       | 2.52      | 1.52    | A                  |
| 56      | 28.5       | 3.3       | 0.07    | A                  |
| 57      | 24.78      | 0.74      | 0.66    | A                  |
| 58      | 39.8       | 3.6       | 1.71    | A                  |
| 60      | 30.7       | 2.3       | 0.28    | A                  |
| 62      | 30.9       | 1.7       | 0.31    | A                  |
| 64      | 31.05      | 1.55      | 0.33    | A                  |
| 67      | 26.2       | 1.2       | 0.43    | A                  |
| 68      | 28.8       | 1.8       | 0.02    | A                  |
| 69      | 24.66      | 0.21      | 0.67    | A                  |
| 74      | 30.5       | 1.7       | 0.25    | A                  |
| 75      | 31.2       | 1.2       | 0.36    | A                  |
| 76      | 29.7       | 4.88      | 0.12    | A                  |
| 78      | 22.02      | 0.71      | 1.09    | A                  |
| 79      | 21.1       | 0.8       | 1.23    | A                  |
| 80      | 20.06      | 0.86      | 1.40    | A                  |
| 81      | 23.8       | 0.1       | 0.81    | A                  |
| 83      | 30.0       | 2.5       | 0.17    | A                  |
| 87      | 37.13      | 7.4       | 1.29    | A                  |
| 88      | 23.4       | 2.3       | 0.87    | A                  |
| 90      | 33.8       | 1.11      | 0.77    | A                  |
| 94      | 30.5       | 2.1       | 0.25    | A                  |
| 95      | 13.6937    | 1.0917    | 2.40    | W                  |
| 96      | 32.7       | 1.9       | 0.59    | A                  |
| 98      | 27.1       | 2.3       | 0.29    | A                  |
| 99      | 25.54      | 3.83      | 0.54    | A                  |
| 100     | 37.31      | 0.8672    | 1.32    | A                  |
| 101     | 15.6       | 2.1       | 2.10    | W                  |
| 103     | 37.4       | 2.73      | 1.33    | A                  |
| 104     | 27.05      | 0.41      | 0.30    | A                  |
| 105     | 34.42      | 2.0       | 0.86    | A                  |
| 107     | 34.83      | 4.3       | 0.93    | A                  |
| 109     | 28.76      | 0.05      | 0.03    | A                  |
| 110     | 23.0       | 2.05      | 0.94    | A                  |
| 113     | 27.80      | 1.49      | 0.18    | A                  |
| 118     | 27         | 3         | 0.31    | A                  |
| 119     | 23.460     | 3.284     | 0.86    | A                  |
| 120     | 32.6       | 3.3       | 0.58    | A                  |
| 123     | 28.41      | 1.50      | 0.08    | A                  |
| 124     | 27.88      | 0.20      | 0.17    | A                  |
| 126     | 20.2       | 2.8       | 1.38    | A                  |
| 127     | 22.05      | 2.2       | 1.09    | A                  |
| 128     | 28.6       | 2.3       | 0.05    | A                  |
| 129     | 34         | 5         | 0.80    | A                  |
| 130     | 18.7       | 1.37      | 1.61    | A                  |
| 133     | 23.5       | 3.3       | 0.86    | A                  |
| 134     | 13.69      | 1.45      | 2.40    | W                  |
| 135     | 17.0       | 0.3       | 1.88    | A                  |
| 137     | 26.20      | 0.87      | 0.43    | A                  |
| 138     | 26.50      | 0.13      | 0.38    | A                  |

TABLE 40. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 143     | 27.3       | 1.56      | 0.26    | A                  |
| 149     | 24.2       | 0.5       | 0.75    | A                  |
| 155     | 21.18      | 0.62      | 1.22    | A                  |
| 156     | 21.4       | 2.1       | 1.19    | A                  |
| 157     | 24.3       | 2.1       | 0.73    | A                  |
| 158     | 48.024     | 4.355     | 3.01    | N                  |
| 159     | 24.0       | 4.6       | 0.78    | A                  |
| 160     | 31.07      | 1.41      | 0.34    | A                  |
| 161     | 59.2       | 5.1       | 4.77    | N                  |
| 163     | 34.56      | 1.35      | 0.89    | A                  |
| 171     | 28.4       | 0.7       | 0.09    | A                  |
| 173     | 36.45      | 3.7       | 1.18    | A                  |
| 175     | 28.2       | 1.8       | 0.12    | A                  |
| 177     | 25.0       | 5.0       | 0.62    | A                  |
| 180     | 38.5       | 3.8       | 1.51    | A                  |
| 183     | 25.97      | 0.57      | 0.47    | A                  |
| 186     | 18.5       | 3.3       | 1.64    | A                  |
| 192     | 29.9       | 1.2       | 0.15    | A                  |
| 194     | 22.35      | 0.48      | 1.04    | A                  |
| 196     | 33.1       | 6.83      | 0.66    | A                  |
| 199     | 27.60      | 1.90      | 0.21    | A                  |
| 202     | 30.6       | 3.0       | 0.26    | A                  |
| 203     | 26.0       | 3.0       | 0.46    | A                  |
| 204     | 28.9       | 4.1       | 0.01    | A                  |
| 205     | 27.658     | 1.830     | 0.20    | A                  |
| 208     | 17.8436    | 0.0169    | 1.75    | A                  |
| 211     | 17.8       | 1.3       | 1.75    | A                  |
| 213     | 31         | 5         | 0.32    | A                  |
| 214     | 27.74      | 0.68      | 0.19    | A                  |
| 216     | 46.0       | 0.6       | 2.69    | W                  |
| 217     | 37.3       | 0.12      | 1.32    | A                  |
| 220     | 40.6       | 10.1      | 1.84    | A                  |
| 221     | 29.85      | 4.48      | 0.14    | A                  |
| 222     | 28.1       | 1.8       | 0.13    | A                  |
| 223     | 31         | 5.5       | 0.32    | A                  |
| 224     | 32.6       | 6.2       | 0.58    | A                  |
| 225     | 26.0       | 0.2       | 0.46    | A                  |
| 227     | 31.77      | 1.68      | 0.45    | A                  |
| 230     | 26         | 3.4       | 0.46    | A                  |
| 231     | 13.6       | 1.3       | 2.42    | W                  |
| 234     | 25.60      | 1.30      | 0.53    | A                  |
| 235     | 20.51      | 1.17      | 1.33    | A                  |
| 239     | 31.9       | 9.41      | 0.47    | A                  |
| 240     | 44.2       | 13.6      | 2.40    | W                  |
| 241     | 34.06      | 0.20      | 0.81    | A                  |
| 243     | 31.32      | 2.25      | 0.37    | A                  |
| 246     | 25.9       | 0.9       | 0.48    | A                  |
| 247     | 27.7       | 1.5       | 0.20    | A                  |
| 248     | 54.4       | 3.4       | 4.01    | N                  |
| 250     | 29.43      | 3.53      | 0.08    | A                  |
| 253     | 25.77      | 0.39      | 0.50    | A                  |
| 262     | 31.5       | 4.1       | 0.40    | A                  |
| 272     | 29.46      | 3.0       | 0.08    | A                  |
| 276     | 23.8       | 2.56      | 0.81    | A                  |

TABLE 40. IC Evaluation Results for in Sample 2, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 277     | 27.89      | 2.68      | 0.17    | A                  |
| 284     | 35.48      | 0.11      | 1.03    | A                  |
| 289     | 20.2       | 0.9       | 1.38    | A                  |
| 290     | 8.11       | 0.31      | 3.28    | N                  |
| 296     | 38.1       | 3.1       | 1.44    | A                  |
| 299     | 37.11      | 2.73      | 1.29    | A                  |
| 303     | 25.27      | 5.8       | 0.58    | A                  |
| 306     | 13.4       | 0.2       | 2.45    | W                  |
| 312     | 35.6       | 4.7       | 1.05    | A                  |

## Reported Results for Gross alpha Determination in Sample 3

TABLE 41. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 8.93  |
| Robust SD, Bq/kg   | 3.04  |
| N                  | 206   |

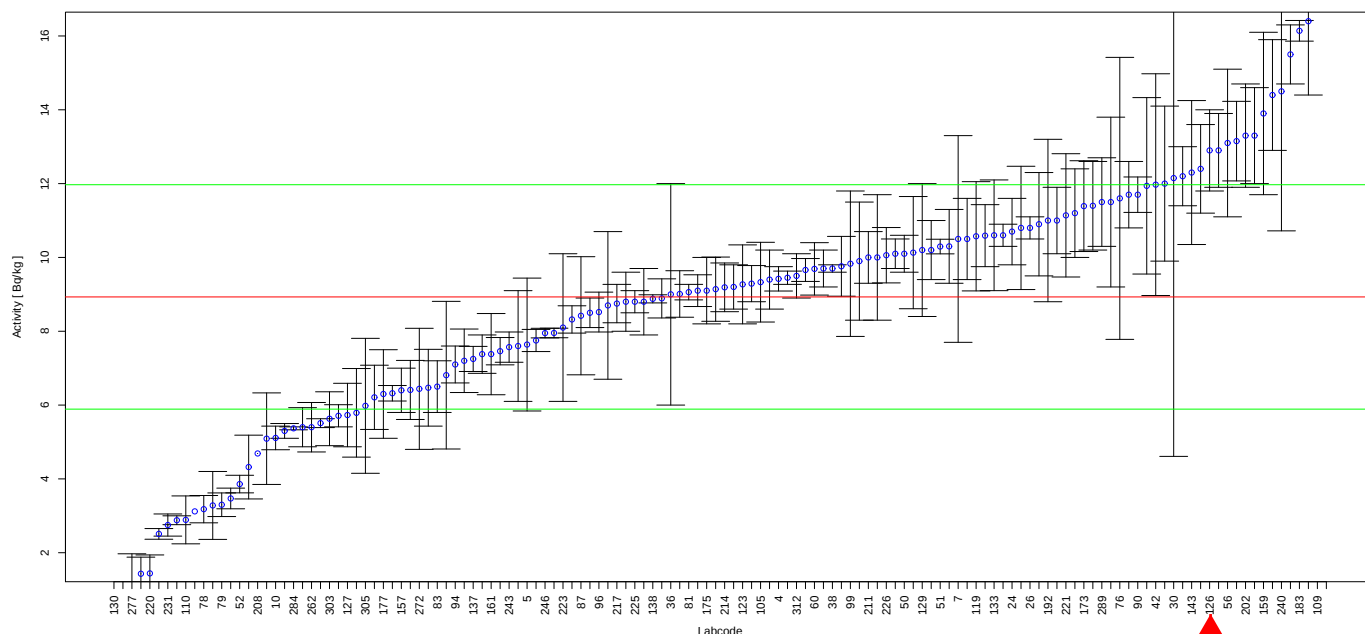


FIGURE 37. Reported results and evaluation parameters for Gross alpha in Sample 3.

TABLE 42. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 9.42       | 0.33      | 0.16    | A                  |
| 5       | 7.64       | 1.8       | 0.42    | A                  |
| 7       | 10.5       | 2.8       | 0.52    | A                  |
| 8       | 8.89       | 0.53      | 0.01    | A                  |
| 9       | 10.80      | 1.67      | 0.62    | A                  |
| 10      | 5.11       | 0.32      | 1.26    | A                  |
| 12      | 5.71       | 0.3       | 1.06    | A                  |
| 13      | 9.2        | 0.6       | 0.09    | A                  |
| 14      | 11.94      | 2.39      | 0.99    | A                  |
| 17      | 11.5       | 2.3       | 0.85    | A                  |
| 24      | 10.7       | 0.9       | 0.58    | A                  |
| 25      | 7.9536     | 0.1293    | 0.32    | A                  |
| 26      | 10.8       | 0.3       | 0.62    | A                  |
| 28      | 12.4       | 1.2       | 1.14    | A                  |
| 30      | 12.15      | 7.54      | 1.06    | A                  |
| 36      | 9          | 3         | 0.02    | A                  |
| 38      | 9.7        | 0.1       | 0.25    | A                  |
| 42      | 11.972     | 3.004     | 1.00    | A                  |
| 45      | 9.9        | 1.6       | 0.32    | A                  |
| 47      | 7.38       | 0.52      | 0.51    | A                  |
| 49      | 9.7        | 0.5       | 0.25    | A                  |

TABLE 42. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 50      | 10.1       | 0.5       | 0.38    | A                  |
| 51      | 10.295     | 0.198     | 0.45    | A                  |
| 52      | 3.86       | 0.238     | 1.67    | A                  |
| 56      | 13.1       | 2.0       | 1.37    | A                  |
| 60      | 9.69       | 0.71      | 0.25    | A                  |
| 62      | 9.01       | 0.63      | 0.03    | A                  |
| 64      | 7.46       | 0.37      | 0.48    | A                  |
| 67      | 11.0       | 0.9       | 0.68    | A                  |
| 68      | 10.2       | 0.8       | 0.42    | A                  |
| 69      | 5.51       | 0.12      | 1.12    | A                  |
| 74      | 10.9       | 1.4       | 0.65    | A                  |
| 75      | 9.4        | 0.8       | 0.15    | A                  |
| 76      | 11.6       | 3.82      | 0.88    | A                  |
| 78      | 3.18       | 0.37      | 1.89    | A                  |
| 79      | 3.30       | 0.32      | 1.85    | A                  |
| 80      | 5.09       | 1.24      | 1.26    | A                  |
| 81      | 9.06       | 0.21      | 0.04    | A                  |
| 83      | 6.5        | 0.7       | 0.80    | A                  |
| 87      | 8.42       | 1.6       | 0.17    | A                  |
| 88      | 11.4       | 1.2       | 0.81    | A                  |
| 90      | 11.7       | 0.48      | 0.91    | A                  |
| 94      | 7.1        | 0.5       | 0.60    | A                  |
| 95      | 2.510      | 0.1447    | 2.11    | W                  |
| 96      | 8.52       | 0.54      | 0.13    | A                  |
| 98      | 11.7       | 0.9       | 0.91    | A                  |
| 99      | 9.83       | 1.97      | 0.30    | A                  |
| 100     | 3.281      | 0.92      | 1.86    | A                  |
| 101     | 10.1       | 0.4       | 0.38    | A                  |
| 103     | 42.4       | 3.12      | 11.01   | N                  |
| 104     | 10.59      | 0.84      | 0.55    | A                  |
| 105     | 9.33       | 1.08      | 0.13    | A                  |
| 107     | 7.75       | 0.3       | 0.39    | A                  |
| 109     | 24.70      | 0.05      | 5.19    | N                  |
| 110     | 2.89       | 0.649     | 1.99    | A                  |
| 113     | 9.14       | 0.87      | 0.07    | A                  |
| 118     | 14.4       | 1.5       | 1.80    | A                  |
| 119     | 10.573     | 1.480     | 0.54    | A                  |
| 120     | 8.8        | 0.8       | 0.04    | A                  |
| 123     | 9.27       | 1.07      | 0.11    | A                  |
| 124     | 9.66       | 0.31      | 0.24    | A                  |
| 126     | 12.9       | 1.1       | 1.31    | A                  |
| 127     | 5.73       | 0.86      | 1.05    | A                  |
| 128     | 16.4       | 2.0       | 2.46    | W                  |
| 129     | 10.2       | 1.8       | 0.42    | A                  |
| 130     | 0.3        | 0.17      | 2.84    | W                  |
| 133     | 10.6       | 1.5       | 0.55    | A                  |
| 135     | 8.5        | 0.4       | 0.14    | A                  |
| 137     | 7.25       | 0.34      | 0.55    | A                  |
| 138     | 8.878      | 0.110     | 0.02    | A                  |
| 143     | 12.3       | 1.95      | 1.11    | A                  |
| 146     | 3.12       |           | 1.91    | A                  |
| 149     | 10.3       | 1.0       | 0.45    | A                  |
| 150     | 1.43       | 0.45      | 2.47    | W                  |
| 155     | 3.47       | 0.28      | 1.80    | A                  |

TABLE 42. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 156     | 13.3       | 1.3       | 1.44    | A                  |
| 157     | 6.4        | 0.6       | 0.83    | A                  |
| 158     | 4.321      | 0.864     | 1.52    | A                  |
| 159     | 13.9       | 2.2       | 1.63    | A                  |
| 160     | 9.29       | 0.49      | 0.12    | A                  |
| 161     | 7.38       | 1.1       | 0.51    | A                  |
| 163     | 10.13      | 1.52      | 0.39    | A                  |
| 171     | 10.6       | 0.3       | 0.55    | A                  |
| 173     | 11.39      | 1.23      | 0.81    | A                  |
| 175     | 9.1        | 0.9       | 0.06    | A                  |
| 177     | 6.3        | 1.2       | 0.87    | A                  |
| 183     | 16.14      | 0.28      | 2.37    | W                  |
| 186     | 7.6        | 1.5       | 0.44    | A                  |
| 192     | 11.0       | 2.2       | 0.68    | A                  |
| 194     | 1.00       | 0.19      | 2.61    | W                  |
| 196     | 6.47       | 1.04      | 0.81    | A                  |
| 199     | 10.50      | 1.10      | 0.52    | A                  |
| 202     | 13.3       | 1.4       | 1.44    | A                  |
| 203     | 12.9       | 1.0       | 1.31    | A                  |
| 204     | 6.21       | 0.87      | 0.89    | A                  |
| 205     | 13.151     | 1.078     | 1.39    | A                  |
| 208     | 4.6890     | 0.00063   | 1.40    | A                  |
| 211     | 10.0       | 0.7       | 0.35    | A                  |
| 213     | 11.2       | 1.2       | 0.75    | A                  |
| 214     | 9.19       | 0.66      | 0.09    | A                  |
| 216     | 2.88       | 0.12      | 1.99    | A                  |
| 217     | 8.75       | 0.52      | 0.06    | A                  |
| 220     | 1.44       | 0.5       | 2.46    | W                  |
| 221     | 11.14      | 1.67      | 0.73    | A                  |
| 222     | 12.2       | 0.8       | 1.08    | A                  |
| 223     | 8.1        | 2         | 0.27    | A                  |
| 224     | 8.7        | 2         | 0.08    | A                  |
| 225     | 8.8        | 0.3       | 0.04    | A                  |
| 226     | 10.06      | 0.75      | 0.37    | A                  |
| 227     | 6.41       | 0.8       | 0.83    | A                  |
| 230     | 12         | 2.1       | 1.01    | A                  |
| 231     | 2.75       | 0.3       | 2.03    | W                  |
| 239     | 6.81       | 2.0       | 0.70    | A                  |
| 240     | 14.5       | 3.78      | 1.83    | A                  |
| 241     | 8.32       | 0.37      | 0.20    | A                  |
| 243     | 7.57       | 0.41      | 0.45    | A                  |
| 246     | 7.95       | 0.13      | 0.32    | A                  |
| 247     | 9.76       | 0.81      | 0.27    | A                  |
| 248     | 9.10       | 0.43      | 0.06    | A                  |
| 250     | 7.20       | 0.86      | 0.57    | A                  |
| 253     | 6.32       | 0.21      | 0.86    | A                  |
| 262     | 5.40       | 0.67      | 1.16    | A                  |
| 266     | 15.5       | 0.8       | 2.16    | W                  |
| 272     | 6.44       | 1.64      | 0.82    | A                  |
| 276     | 10.00      | 1.7       | 0.35    | A                  |
| 277     | 1.021      | 0.95      | 2.60    | W                  |
| 281     | 5.79       | 1.2       | 1.03    | A                  |
| 284     | 5.37       | 0.04      | 1.17    | A                  |
| 289     | 11.5       | 1.2       | 0.85    | A                  |

TABLE 42. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 290     | 9.45       | 0.18      | 0.17    | A                  |
| 296     | 8.8        | 0.9       | 0.04    | A                  |
| 299     | 5.40       | 0.53      | 1.16    | A                  |
| 303     | 5.63       | 0.73      | 1.09    | A                  |
| 305     | 5.98       | 1.828     | 0.97    | A                  |
| 306     | 5.3        | 0.2       | 1.19    | A                  |
| 312     | 9.5        | 0.6       | 0.19    | A                  |

## Reported Results for Gross beta Determination in Sample 3

TABLE 43. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 27.63 |
| Robust SD, Bq/kg   | 6.78  |
| N                  | 210   |

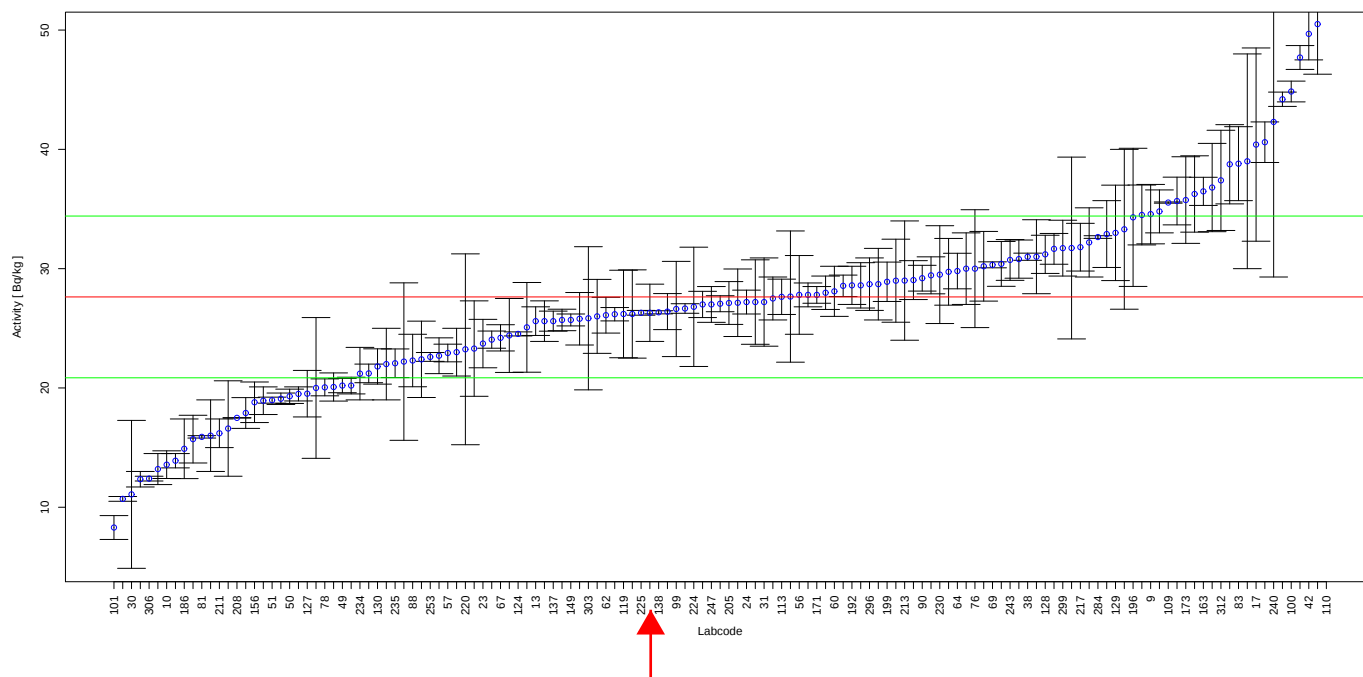


FIGURE 38. Reported results and evaluation parameters for Gross beta in Sample 3.

TABLE 44. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 30.40      | 1.88      | 0.41    | A                  |
| 5       | 22.21      | 6.6       | 0.80    | A                  |
| 7       | 39         | 9         | 1.68    | A                  |
| 8       | 27.0       | 1.1       | 0.09    | A                  |
| 9       | 34.57      | 2.49      | 1.02    | A                  |
| 10      | 13.57      | 1.16      | 2.07    | W                  |
| 12      | 27.8       | 1.0       | 0.03    | A                  |
| 13      | 25.6       | 1.2       | 0.30    | A                  |
| 14      | 31.73      | 7.62      | 0.60    | A                  |
| 17      | 40.4       | 8.1       | 1.88    | A                  |
| 23      | 23.72      | 2.03      | 0.58    | A                  |
| 24      | 27.2       | 1.0       | 0.06    | A                  |
| 25      | 19.0960    | 0.4784    | 1.26    | A                  |
| 26      | 47.7       | 1         | 2.96    | W                  |
| 28      | 30.0       | 3.0       | 0.35    | A                  |
| 30      | 11.08      | 6.20      | 2.44    | W                  |
| 31      | 27.2       | 3.7       | 0.06    | A                  |
| 34      | 24.05      | 0.72      | 0.53    | A                  |
| 36      | 22         | 3         | 0.83    | A                  |
| 38      | 31         | 0.3       | 0.50    | A                  |
| 42      | 49.682     | 2.182     | 3.25    | N                  |

TABLE 44. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 45      | 33.3       | 6.7       | 0.84    | A                  |
| 47      | 32.9       | 2.8       | 0.78    | A                  |
| 49      | 20.2       | 0.6       | 1.10    | A                  |
| 50      | 19.3       | 0.6       | 1.23    | A                  |
| 51      | 18.977     | 0.252     | 1.28    | A                  |
| 52      | 17.9       | 1.29      | 1.44    | A                  |
| 56      | 27.8       | 3.3       | 0.03    | A                  |
| 57      | 22.93      | 0.74      | 0.69    | A                  |
| 58      | 32.2       | 2.9       | 0.67    | A                  |
| 60      | 28.1       | 2.1       | 0.07    | A                  |
| 62      | 26.1       | 1.5       | 0.23    | A                  |
| 64      | 29.8       | 1.49      | 0.32    | A                  |
| 67      | 24.2       | 1.1       | 0.51    | A                  |
| 68      | 27.5       | 1.8       | 0.02    | A                  |
| 69      | 30.32      | 0.25      | 0.40    | A                  |
| 74      | 25.6       | 1.7       | 0.30    | A                  |
| 75      | 30.8       | 1.6       | 0.47    | A                  |
| 76      | 30.0       | 4.94      | 0.35    | A                  |
| 78      | 20.05      | 0.71      | 1.12    | A                  |
| 79      | 20.2       | 0.7       | 1.10    | A                  |
| 80      | 12.35      | 0.65      | 2.25    | W                  |
| 81      | 15.9       | 0.1       | 1.73    | A                  |
| 83      | 38.8       | 3.1       | 1.65    | A                  |
| 87      | 27.66      | 5.5       | 0.00    | A                  |
| 88      | 22.3       | 2.2       | 0.79    | A                  |
| 90      | 29.2       | 1.08      | 0.23    | A                  |
| 94      | 22.7       | 1.5       | 0.73    | A                  |
| 95      | 18.9302    | 1.1583    | 1.28    | A                  |
| 96      | 34.8       | 1.8       | 1.06    | A                  |
| 98      | 24.4       | 3.1       | 0.48    | A                  |
| 99      | 26.62      | 3.99      | 0.15    | A                  |
| 100     | 44.85      | 0.87      | 2.54    | W                  |
| 101     | 8.3        | 1         | 2.85    | W                  |
| 103     | 34.5       | 2.51      | 1.01    | A                  |
| 104     | 26.66      | 0.40      | 0.14    | A                  |
| 105     | 35.67      | 2.0       | 1.19    | A                  |
| 107     | 36.26      | 3.2       | 1.27    | A                  |
| 109     | 35.54      | 0.05      | 1.17    | A                  |
| 110     | 82.7       | 4.92      | 8.12    | N                  |
| 113     | 27.64      | 1.48      | 0.00    | A                  |
| 118     | 26.3       | 2.4       | 0.20    | A                  |
| 119     | 26.200     | 3.668     | 0.21    | A                  |
| 120     | 31.0       | 3.1       | 0.50    | A                  |
| 123     | 29.44      | 1.55      | 0.27    | A                  |
| 124     | 24.53      | 0.17      | 0.46    | A                  |
| 126     | 26.0       | 3.1       | 0.24    | A                  |
| 127     | 19.52      | 1.95      | 1.20    | A                  |
| 128     | 31.2       | 1.6       | 0.53    | A                  |
| 129     | 33         | 4         | 0.79    | A                  |
| 130     | 21.8       | 1.48      | 0.86    | A                  |
| 133     | 26.2       | 3.7       | 0.21    | A                  |
| 135     | 10.7       | 0.2       | 2.50    | W                  |
| 137     | 25.60      | 0.84      | 0.30    | A                  |
| 138     | 26.34      | 0.13      | 0.19    | A                  |

TABLE 44. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 143     | 26.4       | 1.51      | 0.18    | A                  |
| 149     | 25.7       | 0.5       | 0.28    | A                  |
| 155     | 19.50      | 0.59      | 1.20    | A                  |
| 156     | 18.8       | 1.7       | 1.30    | A                  |
| 157     | 25.8       | 2.2       | 0.27    | A                  |
| 158     | 29.736     | 2.797     | 0.31    | A                  |
| 159     | 16.6       | 4.0       | 1.63    | A                  |
| 160     | 28.56      | 0.90      | 0.14    | A                  |
| 161     | 15.71      | 2         | 1.76    | A                  |
| 163     | 36.48      | 1.18      | 1.31    | A                  |
| 171     | 27.8       | 0.7       | 0.03    | A                  |
| 173     | 35.75      | 3.63      | 1.20    | A                  |
| 175     | 40.6       | 1.7       | 1.91    | A                  |
| 177     | 16.0       | 3.0       | 1.72    | A                  |
| 180     | 36.8       | 3.7       | 1.35    | A                  |
| 183     | 26.18      | 0.56      | 0.21    | A                  |
| 186     | 14.9       | 2.5       | 1.88    | A                  |
| 192     | 28.6       | 1.6       | 0.14    | A                  |
| 194     | 20.08      | 1.18      | 1.11    | A                  |
| 196     | 34.3       | 5.79      | 0.98    | A                  |
| 199     | 28.90      | 1.65      | 0.19    | A                  |
| 202     | 28.7       | 3.0       | 0.16    | A                  |
| 203     | 23.0       | 2.0       | 0.68    | A                  |
| 204     | 22.4       | 3.2       | 0.77    | A                  |
| 205     | 27.121     | 1.795     | 0.08    | A                  |
| 208     | 17.4929    | 0.0169    | 1.50    | A                  |
| 211     | 16.2       | 1.2       | 1.69    | A                  |
| 213     | 29         | 5         | 0.20    | A                  |
| 214     | 27.06      | 0.67      | 0.08    | A                  |
| 216     | 44.2       | 0.6       | 2.44    | W                  |
| 217     | 31.8       | 2.0       | 0.62    | A                  |
| 220     | 23.24      | 8.0       | 0.65    | A                  |
| 221     | 25.08      | 3.76      | 0.38    | A                  |
| 222     | 28.6       | 1.9       | 0.14    | A                  |
| 223     | 23.3       | 4         | 0.64    | A                  |
| 224     | 26.8       | 5         | 0.12    | A                  |
| 225     | 26.3       | 0.2       | 0.20    | A                  |
| 226     | 27.98      | 1.4       | 0.05    | A                  |
| 227     | 29.04      | 1.63      | 0.21    | A                  |
| 230     | 29.5       | 4.1       | 0.28    | A                  |
| 231     | 13.2       | 1.3       | 2.13    | W                  |
| 234     | 21.20      | 2.20      | 0.95    | A                  |
| 235     | 22.07      | 1.2       | 0.82    | A                  |
| 239     | 20         | 5.9       | 1.13    | A                  |
| 240     | 42.3       | 13.0      | 2.16    | W                  |
| 241     | 31.66      | 1.29      | 0.59    | A                  |
| 243     | 30.73      | 1.71      | 0.46    | A                  |
| 246     | 25.7       | 0.9       | 0.28    | A                  |
| 247     | 27.0       | 1.5       | 0.09    | A                  |
| 248     | 50.5       | 4.2       | 3.37    | N                  |
| 250     | 28.99      | 3.48      | 0.20    | A                  |
| 253     | 22.60      | 0.37      | 0.74    | A                  |
| 262     | 27.2       | 3.54      | 0.06    | A                  |
| 272     | 38.75      | 3.32      | 1.64    | A                  |

TABLE 44. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 276     | 30.20      | 2.92      | 0.38    | A                  |
| 277     | 27.142     | 2.83      | 0.07    | A                  |
| 284     | 32.65      | 0.11      | 0.74    | A                  |
| 289     | 13.9       | 0.6       | 2.03    | W                  |
| 290     | 21.22      | 0.78      | 0.95    | A                  |
| 296     | 28.7       | 2.2       | 0.16    | A                  |
| 299     | 31.72      | 2.34      | 0.60    | A                  |
| 303     | 25.84      | 6.0       | 0.26    | A                  |
| 306     | 12.4       | 0.2       | 2.25    | W                  |
| 312     | 37.4       | 4.2       | 1.44    | A                  |

## Reported Results for Cm-244 Determination in Sample 3

TABLE 45. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 4.51  |
| Robust SD, Bq/kg   | 0.66  |
| N                  | 38    |

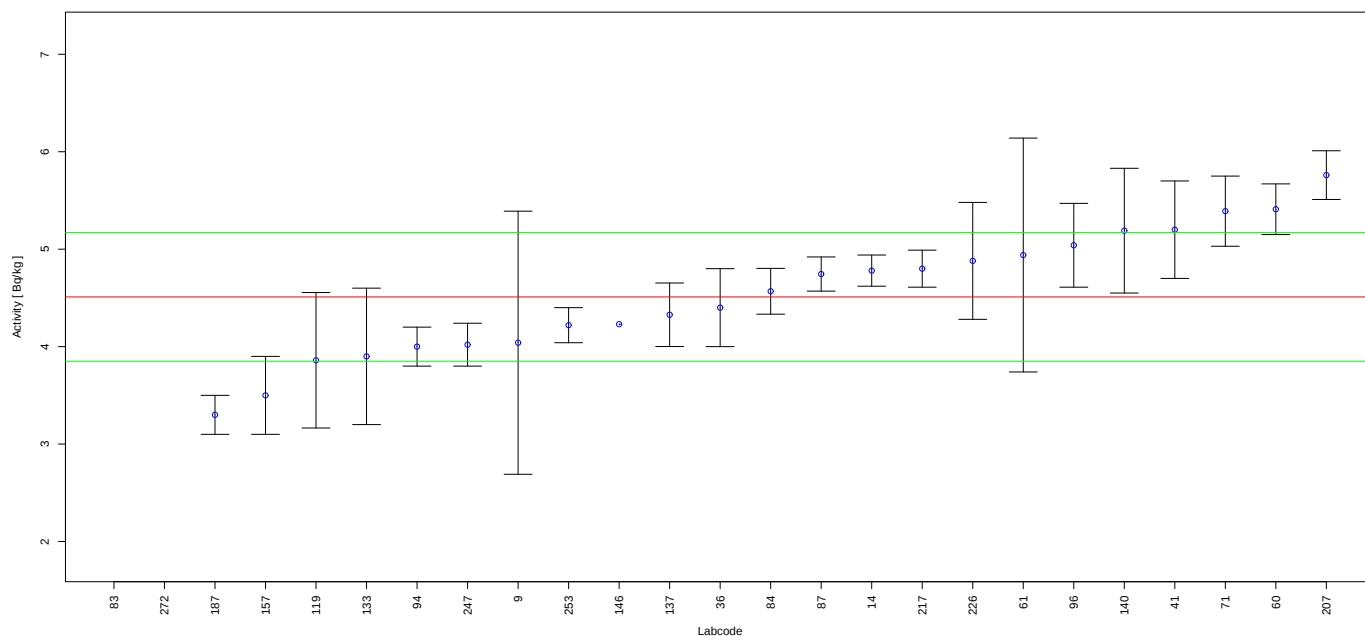


FIGURE 39. Reported results and evaluation parameters for Cm-244 in Sample 3.

TABLE 46. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 9       | 4.04       | 1.35      | 0.71    | A                  |
| 14      | 4.78       | 0.16      | 0.41    | A                  |
| 36      | 4.4        | 0.4       | 0.17    | A                  |
| 41      | 5.2        | 0.5       | 1.05    | A                  |
| 60      | 5.41       | 0.26      | 1.36    | A                  |
| 61      | 4.94       | 1.20      | 0.65    | A                  |
| 71      | 5.39       | 0.36      | 1.33    | A                  |
| 83      | 0.8        | 0.1       | 5.62    | N                  |
| 84      | 4.568      | 0.235     | 0.09    | A                  |
| 87      | 4.745      | 0.1753    | 0.36    | A                  |
| 94      | 4.0        | 0.2       | 0.77    | A                  |
| 96      | 5.04       | 0.43      | 0.80    | A                  |
| 119     | 3.860      | 0.695     | 0.98    | A                  |
| 133     | 3.9        | 0.7       | 0.92    | A                  |
| 137     | 4.327      | 0.326     | 0.28    | A                  |
| 140     | 5.19       | 0.64      | 1.03    | A                  |
| 146     | 4.23       | 0         | 0.42    | A                  |
| 157     | 3.5        | 0.4       | 1.53    | A                  |
| 187     | 3.3        | 0.2       | 1.83    | A                  |
| 207     | 5.76       | 0.25      | 1.89    | A                  |
| 217     | 4.80       | 0.19      | 0.44    | A                  |

TABLE 46. IC Evaluation Results for in Sample 3, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 226     | 4.88       | 0.6       | 0.56    | A                  |
| 247     | 4.02       | 0.22      | 0.74    | A                  |
| 253     | 4.22       | 0.18      | 0.44    | A                  |
| 272     | 0.8        | 0.13      | 5.62    | N                  |

## Reported Results for Gross alpha Determination in Sample 5

TABLE 47. Target values

| Parameter                                              | Value |
|--------------------------------------------------------|-------|
| Robust Mean, $\text{counts}/\text{cm}^2/\text{second}$ | 0.081 |
| Robust SD, $\text{counts}/\text{cm}^2/\text{second}$   | 0.052 |
| N                                                      | 182   |

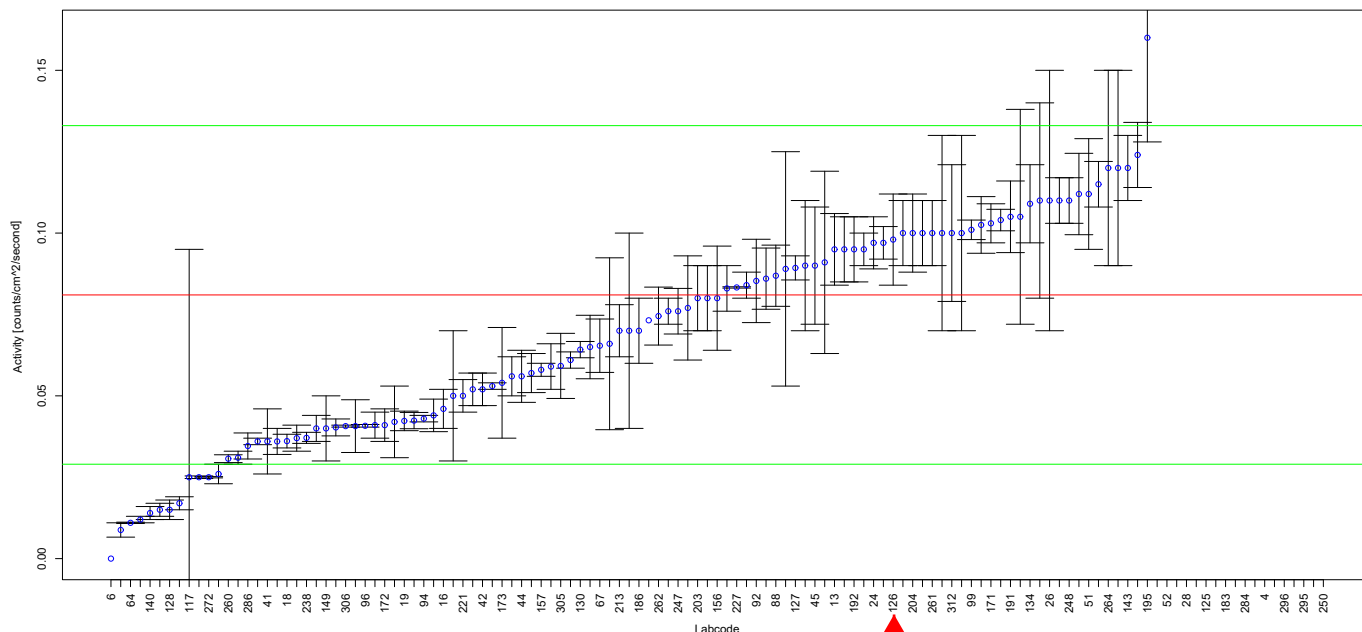


FIGURE 40. Reported results and evaluation parameters for Gross alpha in Sample 5.

TABLE 48. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $\text{counts}/\text{cm}^2/\text{second}$

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 0.323      | 0.070     | 4.65    | N                  |
| 6       | 0.000005   |           | 1.56    | A                  |
| 8       | 0.10       | 0.01      | 0.37    | A                  |
| 9       | 0.232      | 0.013     | 2.90    | W                  |
| 10      | 0.2246     | 0.007296  | 2.76    | W                  |
| 13      | 0.095      | 0.011     | 0.27    | A                  |
| 14      | 0.059      | 0.007     | 0.42    | A                  |
| 16      | 0.046      | 0.006     | 0.67    | A                  |
| 17      | 0.09       | 0.02      | 0.17    | A                  |
| 18      | 0.0361     | 0.0021    | 0.86    | A                  |
| 19      | 0.0423     | 0.0030    | 0.74    | A                  |
| 21      | 0.084      | 0.004     | 0.06    | A                  |
| 22      | 0.381      | 0.148     | 5.77    | N                  |
| 24      | 0.097      | 0.008     | 0.31    | A                  |
| 26      | 0.11       | 0.04      | 0.56    | A                  |
| 27      | 0.10       | 0.01      | 0.37    | A                  |
| 28      | 0.22       | 0.02      | 2.67    | W                  |
| 31      | 0.10       | 0.03      | 0.37    | A                  |
| 32      | 2.0        | 0.5       | 36.90   | N                  |
| 36      | 0.031      | 0.002     | 0.96    | A                  |
| 39      | 0.089      | 0.036     | 0.15    | A                  |

TABLE 48. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in *counts/cm<sup>2</sup>/second*

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 41      | 0.036      | 0.01      | 0.87    | A                  |
| 42      | 0.052      | 0.005     | 0.56    | A                  |
| 44      | 0.056      | 0.008     | 0.48    | A                  |
| 45      | 0.090      | 0.018     | 0.17    | A                  |
| 47      | 0.124      | 0.010     | 0.83    | A                  |
| 49      | 0.105      | 0.033     | 0.46    | A                  |
| 50      | 0.11       | 0.03      | 0.56    | A                  |
| 51      | 0.112      | 0.017     | 0.60    | A                  |
| 52      | 0.213      | 0.0102    | 2.54    | W                  |
| 56      | 0.29       | 0.04      | 4.02    | N                  |
| 58      | 0.036      | 0.001     | 0.87    | A                  |
| 60      | 0.041      | 0.004     | 0.77    | A                  |
| 62      | 0.097      | 0.005     | 0.31    | A                  |
| 64      | 0.011      | 0.0002    | 1.35    | A                  |
| 67      | 0.0654     | 0.0082    | 0.30    | A                  |
| 68      | 0.095      | 0.0050    | 0.27    | A                  |
| 69      | 0.017      | 0.002     | 1.23    | A                  |
| 72      | 0.036      | 0.004     | 0.87    | A                  |
| 74      | 0.037      | 0.004     | 0.85    | A                  |
| 76      | 0.066      | 0.0264    | 0.29    | A                  |
| 81      | 0.076      | 0.004     | 0.10    | A                  |
| 83      | 0.025      | 0.0004    | 1.08    | A                  |
| 86      | 0.065      | 0.00975   | 0.31    | A                  |
| 88      | 0.0869     | 0.0094    | 0.11    | A                  |
| 92      | 0.0853     | 0.0128    | 0.08    | A                  |
| 93      | 0.0088     | 0.0022    | 1.39    | A                  |
| 94      | 0.043      | 0.001     | 0.73    | A                  |
| 95      | 0.0424     | 0.0025    | 0.74    | A                  |
| 96      | 0.0408     | 0.0004    | 0.77    | A                  |
| 98      | 0.077      | 0.016     | 0.08    | A                  |
| 99      | 0.101      | 0.003     | 0.38    | A                  |
| 101     | 0.083      | 0.007     | 0.04    | A                  |
| 107     | 0.042      | 0.011     | 0.75    | A                  |
| 109     | 0.057      | 0.006     | 0.46    | A                  |
| 110     | 0.219      | 0.00759   | 2.65    | W                  |
| 114     | 0.0860     | 0.0094    | 0.10    | A                  |
| 117     | 0.025      | 0.07      | 1.08    | A                  |
| 120     | 0.053      | 0.001     | 0.54    | A                  |
| 121     | 0.21       | 0.02      | 2.48    | W                  |
| 122     | 0.110      | 0.007     | 0.56    | A                  |
| 123     | 0.052      | 0.005     | 0.56    | A                  |
| 125     | 0.226      | 0.007     | 2.79    | W                  |
| 126     | 0.098      | 0.014     | 0.33    | A                  |
| 127     | 0.0893     | 0.0037    | 0.16    | A                  |
| 128     | 0.015      | 0.003     | 1.27    | A                  |
| 130     | 0.0642     | 0.0025    | 0.32    | A                  |
| 134     | 0.109      | 0.012     | 0.54    | A                  |
| 138     | 0.0732     |           | 0.15    | A                  |
| 140     | 0.014      | 0.002     | 1.29    | A                  |
| 143     | 0.12       | 0.01      | 0.75    | A                  |
| 147     | 0.026      | 0.003     | 1.06    | A                  |
| 149     | 0.04       | 0.01      | 0.79    | A                  |
| 153     | 0.12       | 0.03      | 0.75    | A                  |
| 156     | 0.080      | 0.016     | 0.02    | A                  |

TABLE 48. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in *counts/cm<sup>2</sup>/second*

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 157     | 0.058      | 0.002     | 0.44    | A                  |
| 158     | 0.061      | 0.0025    | 0.38    | A                  |
| 159     | 0.056      | 0.006     | 0.48    | A                  |
| 161     | 0.08       | 0.01      | 0.02    | A                  |
| 162     | 0.115      | 0.007     | 0.65    | A                  |
| 164     | 0.0403     | 0.0026    | 0.78    | A                  |
| 171     | 0.103      | 0.006     | 0.42    | A                  |
| 172     | 0.041      | 0.005     | 0.77    | A                  |
| 173     | 0.054      | 0.017     | 0.52    | A                  |
| 183     | 0.26       | 0.01      | 3.44    | N                  |
| 186     | 0.07       | 0.01      | 0.21    | A                  |
| 191     | 0.105      | 0.011     | 0.46    | A                  |
| 192     | 0.095      | 0.010     | 0.27    | A                  |
| 195     | 0.16       | 0.032     | 1.52    | A                  |
| 198     | 0.0407     | 0.0081    | 0.78    | A                  |
| 199     | 0.044      | 0.005     | 0.71    | A                  |
| 203     | 0.08       | 0.01      | 0.02    | A                  |
| 204     | 0.10       | 0.012     | 0.37    | A                  |
| 213     | 0.070      | 0.008     | 0.21    | A                  |
| 214     | 0.277      | 0.1       | 3.77    | N                  |
| 217     | 0.104      | 0.0033    | 0.44    | A                  |
| 220     | 0.07       | 0.03      | 0.21    | A                  |
| 221     | 0.05       | 0.005     | 0.60    | A                  |
| 227     | 0.0833     | 0.0002    | 0.04    | A                  |
| 230     | 0.095      | 0.010     | 0.27    | A                  |
| 238     | 0.0371     | 0.0017    | 0.84    | A                  |
| 239     | 0.05       | 0.02      | 0.60    | A                  |
| 240     | 0.112      | 0.0125    | 0.60    | A                  |
| 247     | 0.076      | 0.007     | 0.10    | A                  |
| 248     | 0.11       | 0.007     | 0.56    | A                  |
| 250     | 14.82      | 2.15      | 283.44  | N                  |
| 260     | 0.0307     | 0.0012    | 0.97    | A                  |
| 261     | 0.10       | 0.01      | 0.37    | A                  |
| 262     | 0.0745     | 0.0089    | 0.13    | A                  |
| 264     | 0.12       | 0.03      | 0.75    | A                  |
| 272     | 0.025      | 0.0002    | 1.08    | A                  |
| 276     | 0.04       | 0.004     | 0.79    | A                  |
| 277     | 0.015      | 0.002     | 1.27    | A                  |
| 280     | 0.1025     | 0.0087    | 0.41    | A                  |
| 284     | 0.282      | 0.065     | 3.87    | N                  |
| 286     | 0.0346     | 0.004     | 0.89    | A                  |
| 289     | 0.012      | 0.001     | 1.33    | A                  |
| 295     | 0.68       | 0.20      | 11.52   | N                  |
| 296     | 0.481      | 0.037     | 7.69    | N                  |
| 303     | 0.569      | 0.026     | 9.38    | N                  |
| 305     | 0.05920    | 0.01      | 0.42    | A                  |
| 306     | 0.0407     | 0.0003    | 0.78    | A                  |
| 308     | 0.091      | 0.028     | 0.19    | A                  |
| 310     | 0.10       | 0.03      | 0.37    | A                  |
| 312     | 0.100      | 0.021     | 0.37    | A                  |

## Reported Results for Gross beta Determination in Sample 5

TABLE 49. Target values

| Parameter                                              | Value |
|--------------------------------------------------------|-------|
| Robust Mean, $\text{counts}/\text{cm}^2/\text{second}$ | 0.158 |
| Robust SD, $\text{counts}/\text{cm}^2/\text{second}$   | 0.084 |
| N                                                      | 189   |

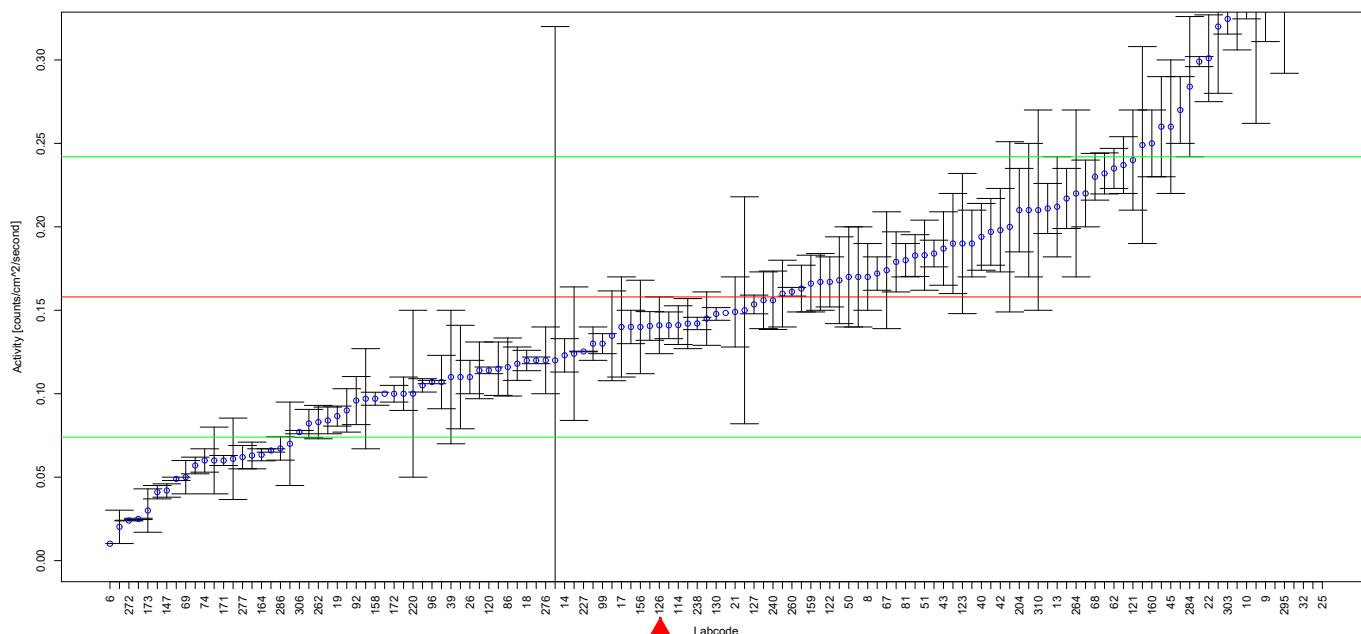


FIGURE 41. Reported results and evaluation parameters for Gross beta in Sample 5.

TABLE 50. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $\text{counts}/\text{cm}^2/\text{second}$

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 0.249      | 0.059     | 1.08    | A                  |
| 6       | 0.0101     |           | 1.76    | A                  |
| 8       | 0.17       | 0.02      | 0.14    | A                  |
| 9       | 0.365      | 0.054     | 2.46    | W                  |
| 10      | 0.3425     | 0.01788   | 2.20    | W                  |
| 13      | 0.212      | 0.030     | 0.64    | A                  |
| 14      | 0.123      | 0.010     | 0.42    | A                  |
| 16      | 0.07       | 0.025     | 1.05    | A                  |
| 17      | 0.14       | 0.03      | 0.21    | A                  |
| 18      | 0.1199     | 0.0061    | 0.45    | A                  |
| 19      | 0.0866     | 0.0060    | 0.85    | A                  |
| 21      | 0.149      | 0.021     | 0.11    | A                  |
| 22      | 0.301      | 0.026     | 1.70    | A                  |
| 24      | 0.26       | 0.03      | 1.21    | A                  |
| 25      | 52         | 2.6       | 617.17  | N                  |
| 26      | 0.11       | 0.01      | 0.57    | A                  |
| 27      | 0.19       | 0.03      | 0.38    | A                  |
| 28      | 0.38       | 0.04      | 2.64    | W                  |
| 32      | 10         | 0.5       | 117.17  | N                  |
| 36      | 0.057      | 0.005     | 1.20    | A                  |
| 39      | 0.11       | 0.04      | 0.57    | A                  |

TABLE 50. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in *counts/cm<sup>2</sup>/second*

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 40      | 0.194      | 0.020     | 0.43    | A                  |
| 41      | 0.097      | 0.03      | 0.73    | A                  |
| 42      | 0.198      | 0.025     | 0.48    | A                  |
| 43      | 0.187      | 0.022     | 0.35    | A                  |
| 44      | 0.141      | 0.008     | 0.20    | A                  |
| 45      | 0.26       | 0.04      | 1.21    | A                  |
| 47      | 0.163      | 0.014     | 0.06    | A                  |
| 49      | 0.17       | 0.03      | 0.14    | A                  |
| 50      | 0.17       | 0.03      | 0.14    | A                  |
| 51      | 0.183      | 0.021     | 0.30    | A                  |
| 52      | 0.237      | 0.017     | 0.94    | A                  |
| 56      | 0.32       | 0.04      | 1.93    | A                  |
| 58      | 0.090      | 0.013     | 0.81    | A                  |
| 59      | 0.19       | 0.02      | 0.38    | A                  |
| 60      | 0.115      | 0.016     | 0.51    | A                  |
| 62      | 0.235      | 0.012     | 0.92    | A                  |
| 64      | 0.066      | 0.001     | 1.10    | A                  |
| 67      | 0.174      | 0.035     | 0.19    | A                  |
| 68      | 0.23       | 0.014     | 0.86    | A                  |
| 69      | 0.05       | 0.01      | 1.29    | A                  |
| 72      | 0.34       | 0.034     | 2.17    | W                  |
| 74      | 0.06       | 0.007     | 1.17    | A                  |
| 76      | 0.061      | 0.0244    | 1.15    | A                  |
| 81      | 0.18       | 0.01      | 0.26    | A                  |
| 83      | 0.025      | 0.0004    | 1.58    | A                  |
| 86      | 0.116      | 0.0174    | 0.50    | A                  |
| 88      | 0.142      | 0.015     | 0.19    | A                  |
| 92      | 0.0959     | 0.0144    | 0.74    | A                  |
| 93      | 0.0822     | 0.0084    | 0.90    | A                  |
| 94      | 0.114      | 0.017     | 0.52    | A                  |
| 95      | 0.1406     | 0.0086    | 0.21    | A                  |
| 96      | 0.107      | 0.001     | 0.61    | A                  |
| 98      | 0.168      | 0.026     | 0.12    | A                  |
| 99      | 0.130      | 0.006     | 0.33    | A                  |
| 101     | 0.049      | 0.001     | 1.30    | A                  |
| 107     | 0.15       | 0.068     | 0.10    | A                  |
| 109     | 0.084      | 0.008     | 0.88    | A                  |
| 110     | 0.232      | 0.0123    | 0.88    | A                  |
| 114     | 0.1411     | 0.0116    | 0.20    | A                  |
| 117     | 0.124      | 0.04      | 0.40    | A                  |
| 120     | 0.114      | 0.002     | 0.52    | A                  |
| 121     | 0.24       | 0.03      | 0.98    | A                  |
| 122     | 0.167      | 0.015     | 0.11    | A                  |
| 123     | 0.190      | 0.042     | 0.38    | A                  |
| 125     | 0.299      | 0.003     | 1.68    | A                  |
| 126     | 0.141      | 0.017     | 0.20    | A                  |
| 127     | 0.1535     | 0.0056    | 0.05    | A                  |
| 128     | 0.063      | 0.008     | 1.13    | A                  |
| 130     | 0.1478     | 0.0038    | 0.12    | A                  |
| 134     | 0.145      | 0.016     | 0.15    | A                  |
| 138     | 0.1484     |           | 0.11    | A                  |
| 140     | 0.13       | 0.01      | 0.33    | A                  |
| 143     | 0.65       | 0.10      | 5.86    | N                  |
| 147     | 0.042      | 0.004     | 1.38    | A                  |

TABLE 50. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in *counts/cm<sup>2</sup>/second*

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 149     | 0.12       | 0.2       | 0.45    | A                  |
| 153     | 0.21       | 0.04      | 0.62    | A                  |
| 156     | 0.14       | 0.028     | 0.21    | A                  |
| 157     | 0.120      | 0.002     | 0.45    | A                  |
| 158     | 0.097      | 0.0039    | 0.73    | A                  |
| 159     | 0.166      | 0.017     | 0.10    | A                  |
| 160     | 0.25       | 0.02      | 1.10    | A                  |
| 161     | 0.118      | 0.01      | 0.48    | A                  |
| 162     | 0.184      | 0.008     | 0.31    | A                  |
| 164     | 0.0634     | 0.0036    | 1.13    | A                  |
| 171     | 0.060      | 0.003     | 1.17    | A                  |
| 172     | 0.1        | 0.005     | 0.69    | A                  |
| 173     | 0.030      | 0.013     | 1.52    | A                  |
| 183     | 0.14       | 0.01      | 0.21    | A                  |
| 186     | 0.16       | 0.02      | 0.02    | A                  |
| 191     | 0.179      | 0.018     | 0.25    | A                  |
| 192     | 0.197      | 0.02      | 0.46    | A                  |
| 195     | 0.11       | 0.031     | 0.57    | A                  |
| 198     | 0.1347     | 0.0269    | 0.28    | A                  |
| 199     | 0.107      | 0.016     | 0.61    | A                  |
| 203     | 0.10       | 0.01      | 0.69    | A                  |
| 204     | 0.21       | 0.025     | 0.62    | A                  |
| 213     | 0.217      | 0.018     | 0.70    | A                  |
| 214     | 0.362      | 0.1       | 2.43    | W                  |
| 217     | 0.156      | 0.017     | 0.02    | A                  |
| 220     | 0.1        | 0.05      | 0.69    | A                  |
| 221     | 0.167      | 0.017     | 0.11    | A                  |
| 227     | 0.1253     | 0.0002    | 0.39    | A                  |
| 230     | 0.22       | 0.02      | 0.74    | A                  |
| 235     | 0.10       |           | 0.69    | A                  |
| 238     | 0.1421     | 0.0037    | 0.19    | A                  |
| 239     | 0.06       | 0.02      | 1.17    | A                  |
| 240     | 0.156      | 0.0175    | 0.02    | A                  |
| 247     | 0.172      | 0.010     | 0.17    | A                  |
| 248     | 0.27       | 0.02      | 1.33    | A                  |
| 250     | 33.54      | 4.86      | 397.40  | N                  |
| 260     | 0.1611     | 0.0026    | 0.04    | A                  |
| 262     | 0.083      | 0.010     | 0.89    | A                  |
| 264     | 0.22       | 0.05      | 0.74    | A                  |
| 272     | 0.024      | 0.0002    | 1.60    | A                  |
| 276     | 0.12       | 0.02      | 0.45    | A                  |
| 277     | 0.062      | 0.007     | 1.14    | A                  |
| 280     | 0.1828     | 0.0125    | 0.30    | A                  |
| 284     | 0.284      | 0.042     | 1.50    | A                  |
| 286     | 0.0672     | 0.007     | 1.08    | A                  |
| 289     | 0.105      | 0.004     | 0.63    | A                  |
| 295     | 0.412      | 0.120     | 3.02    | N                  |
| 296     | 0.041      | 0.004     | 1.39    | A                  |
| 303     | 0.3246     | 0.0091    | 1.98    | A                  |
| 305     | 0.02023    | 0.01      | 1.64    | A                  |
| 306     | 0.077      | 0.001     | 0.96    | A                  |
| 308     | 0.20       | 0.051     | 0.50    | A                  |
| 310     | 0.21       | 0.06      | 0.62    | A                  |

TABLE 50. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in *counts/cm<sup>2</sup>/second*

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 312     | 0.211      | 0.015     | 0.63    | A                  |

## Reported Results for Cs-137 Determination in Sample 5

TABLE 51. Target values

| Parameter              | Value |
|------------------------|-------|
| Robust Mean, $Bq/cm^2$ | 0.332 |
| Robust SD, $Bq/cm^2$   | 0.048 |
| N                      | 196   |

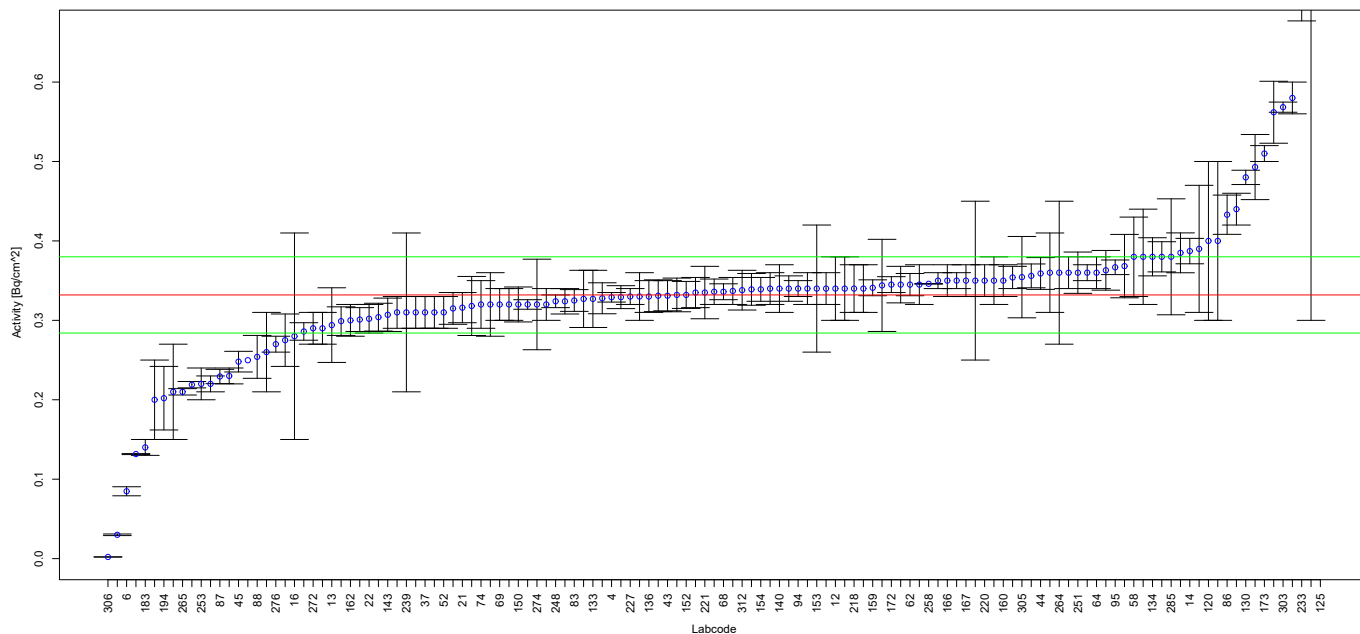


FIGURE 42. Reported results and evaluation parameters for Cs-137 in Sample 5.

TABLE 52. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $Bq/cm^2$

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 4       | 0.329      | 0.006     | 0.06    | A                  |
| 6       | 0.0848     | 0.0057    | 5.15    | N                  |
| 7       | 0.324      | 0.016     | 0.17    | A                  |
| 9       | 0.344      | 0.058     | 0.25    | A                  |
| 10      | 0.3683     | 0.0399    | 0.76    | A                  |
| 12      | 0.34       | 0.04      | 0.17    | A                  |
| 13      | 0.294      | 0.047     | 0.79    | A                  |
| 14      | 0.3872     | 0.016     | 1.15    | A                  |
| 16      | 0.28       | 0.13      | 1.08    | A                  |
| 17      | 0.38       | 0.06      | 1.00    | A                  |
| 18      | 0.3278     | 0.0195    | 0.09    | A                  |
| 20      | 0.301      | 0.015     | 0.65    | A                  |
| 21      | 0.316      | 0.019     | 0.33    | A                  |
| 22      | 0.302      | 0.018     | 0.63    | A                  |
| 24      | 0.335      | 0.019     | 0.06    | A                  |
| 25      | 0.22       | 0.01      | 2.33    | W                  |
| 28      | 0.34       | 0.02      | 0.17    | A                  |
| 33      | 0.31       | 0.02      | 0.46    | A                  |
| 34      | 0.36       | 0.01      | 0.58    | A                  |
| 37      | 0.31       | 0.02      | 0.46    | A                  |
| 39      | 0.36       | 0.05      | 0.58    | A                  |

TABLE 52. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $Bq/cm^2$ 

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 40      | 0.315      | 0.020     | 0.35    | A                  |
| 42      | 0.299      | 0.018     | 0.69    | A                  |
| 43      | 0.331      | 0.019     | 0.02    | A                  |
| 44      | 0.359      | 0.02      | 0.56    | A                  |
| 45      | 0.248      | 0.013     | 1.75    | A                  |
| 47      | 0.493      | 0.041     | 3.35    | N                  |
| 52      | 0.31       | 0.02      | 0.46    | A                  |
| 56      | 0.31       | 0.02      | 0.46    | A                  |
| 57      | 0.339      | 0.02      | 0.15    | A                  |
| 58      | 0.38       | 0.05      | 1.00    | A                  |
| 59      | 0.345      | 0.025     | 0.27    | A                  |
| 60      | 0.331      | 0.020     | 0.02    | A                  |
| 62      | 0.345      | 0.014     | 0.27    | A                  |
| 64      | 0.36       | 0.02      | 0.58    | A                  |
| 68      | 0.336      | 0.010     | 0.08    | A                  |
| 69      | 0.32       | 0.02      | 0.25    | A                  |
| 70      | 0.44       | 0.02      | 2.25    | W                  |
| 72      | 0.35       | 0.03      | 0.37    | A                  |
| 74      | 0.32       | 0.03      | 0.25    | A                  |
| 76      | 0.32       | 0.04      | 0.25    | A                  |
| 83      | 0.325      | 0.0137    | 0.15    | A                  |
| 84      | 0.3292     | 0.01443   | 0.06    | A                  |
| 86      | 0.433      | 0.0247    | 2.10    | W                  |
| 87      | 0.2293     | 0.009     | 2.14    | W                  |
| 88      | 0.254      | 0.027     | 1.63    | A                  |
| 94      | 0.34       | 0.01      | 0.17    | A                  |
| 95      | 0.3668     | 0.0092    | 0.72    | A                  |
| 96      | 0.336      | 0.016     | 0.08    | A                  |
| 110     | 0.304      | 0.0175    | 0.58    | A                  |
| 114     | 0.35       | 0.01      | 0.37    | A                  |
| 117     | 0.21       | 0.06      | 2.54    | W                  |
| 118     | 0.34       | 0.03      | 0.17    | A                  |
| 119     | 0.327      | 0.036     | 0.10    | A                  |
| 120     | 0.4        | 0.1       | 1.42    | A                  |
| 121     | 0.219      | 0.004     | 2.35    | W                  |
| 123     | 0.34       | 0.02      | 0.17    | A                  |
| 125     | 197.1      | 9.86      | 4099.33 | N                  |
| 128     | 0.275      | 0.033     | 1.19    | A                  |
| 130     | 0.48       | 0.009     | 3.08    | N                  |
| 133     | 0.327      | 0.036     | 0.10    | A                  |
| 134     | 0.38       | 0.024     | 1.00    | A                  |
| 136     | 0.33       | 0.02      | 0.04    | A                  |
| 138     | 0.2498     |           | 1.71    | A                  |
| 140     | 0.34       | 0.03      | 0.17    | A                  |
| 143     | 0.307      | 0.021     | 0.52    | A                  |
| 147     | 0.03       | 0.001     | 6.29    | N                  |
| 149     | 0.4        | 0.1       | 1.42    | A                  |
| 150     | 0.320      | 0.022     | 0.25    | A                  |
| 152     | 0.332      | 0.017     | 0.00    | A                  |
| 153     | 0.34       | 0.08      | 0.17    | A                  |
| 154     | 0.339      | 0.015     | 0.15    | A                  |
| 157     | 0.26       | 0.05      | 1.50    | A                  |
| 158     | 0.286      | 0.011     | 0.96    | A                  |
| 159     | 0.341      | 0.010     | 0.19    | A                  |

TABLE 52. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $Bq/cm^2$ 

| Labcode | Rep. Value | Rep. Unc.  | Z-Score | Z-Score Evaluation |
|---------|------------|------------|---------|--------------------|
| 160     | 0.35       | 0.02       | 0.37    | A                  |
| 161     | 0.32       | 0.02       | 0.25    | A                  |
| 162     | 0.30       | 0.02       | 0.67    | A                  |
| 164     | 0.562      | 0.039      | 4.79    | N                  |
| 166     | 0.35       | 0.02       | 0.37    | A                  |
| 167     | 0.35       | 0.02       | 0.37    | A                  |
| 169     | 0.36       | 0.02       | 0.58    | A                  |
| 172     | 0.345      | 0.01       | 0.27    | A                  |
| 173     | 0.51       | 0.01       | 3.71    | N                  |
| 178     | 0.32       | 0.02       | 0.25    | A                  |
| 179     | 0.13161    | 0.00061095 | 4.17    | N                  |
| 180     | 0.354      | 0.014      | 0.46    | A                  |
| 183     | 0.14       | 0.01       | 4.00    | N                  |
| 191     | 0.356      | 0.015      | 0.50    | A                  |
| 192     | 0.58       | 0.02       | 5.17    | N                  |
| 194     | 0.202      | 0.04       | 2.71    | W                  |
| 196     | 0.385      | 0.0251     | 1.10    | A                  |
| 198     | 0.39       | 0.08       | 1.21    | A                  |
| 201     | 0.23       | 0.01       | 2.12    | W                  |
| 203     | 0.35       | 0.01       | 0.37    | A                  |
| 204     | 0.363      | 0.025      | 0.65    | A                  |
| 207     | 0.33       | 0.03       | 0.04    | A                  |
| 210     | 0.31       | 0.02       | 0.46    | A                  |
| 214     | 0.32       | 0.006      | 0.25    | A                  |
| 217     | 0.337      | 0.017      | 0.10    | A                  |
| 218     | 0.34       | 0.03       | 0.17    | A                  |
| 220     | 0.35       | 0.02       | 0.37    | A                  |
| 221     | 0.335      | 0.033      | 0.06    | A                  |
| 227     | 0.33       | 0.01       | 0.04    | A                  |
| 233     | 0.7        | 0.023      | 7.67    | N                  |
| 234     | 0.35       | 0.10       | 0.37    | A                  |
| 235     | 0.2        | 0.05       | 2.75    | W                  |
| 239     | 0.31       | 0.1        | 0.46    | A                  |
| 240     | 0.332      | 0.0212     | 0.00    | A                  |
| 247     | 0.345      | 0.023      | 0.27    | A                  |
| 248     | 0.324      | 0.008      | 0.17    | A                  |
| 251     | 0.36       | 0.026      | 0.58    | A                  |
| 253     | 0.22       | 0.02       | 2.33    | W                  |
| 258     | 0.346      | 0.000438   | 0.29    | A                  |
| 259     | 0.34       | 0.02       | 0.17    | A                  |
| 262     | 0.34       | 0.04       | 0.17    | A                  |
| 264     | 0.36       | 0.09       | 0.58    | A                  |
| 265     | 0.21       | 0.004      | 2.54    | W                  |
| 271     | 0.340      | 0.016      | 0.17    | A                  |
| 272     | 0.29       | 0.02       | 0.88    | A                  |
| 274     | 0.32       | 0.057      | 0.25    | A                  |
| 276     | 0.27       | 0.01       | 1.29    | A                  |
| 284     | 0.38       | 0.019      | 1.00    | A                  |
| 285     | 0.38       | 0.073      | 1.00    | A                  |
| 295     | 0.76       | 0.46       | 8.92    | N                  |
| 303     | 0.5684     | 0.0064     | 4.92    | N                  |
| 305     | 0.3544     | 0.0512     | 0.47    | A                  |
| 306     | 0.0021     | 0.0002     | 6.87    | N                  |
| 309     | 0.3181     | 0.03718    | 0.29    | A                  |

TABLE 52. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $Bq/cm^2$ 

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 310     | 0.29       | 0.02      | 0.88    | A                  |
| 312     | 0.338      | 0.025     | 0.13    | A                  |

## Reported Results for Pu-239 Determination in Sample 5

TABLE 53. Target values

| Parameter              | Value |
|------------------------|-------|
| Robust Mean, $Bq/cm^2$ | 0.236 |
| Robust SD, $Bq/cm^2$   | 0.073 |
| N                      | 79    |

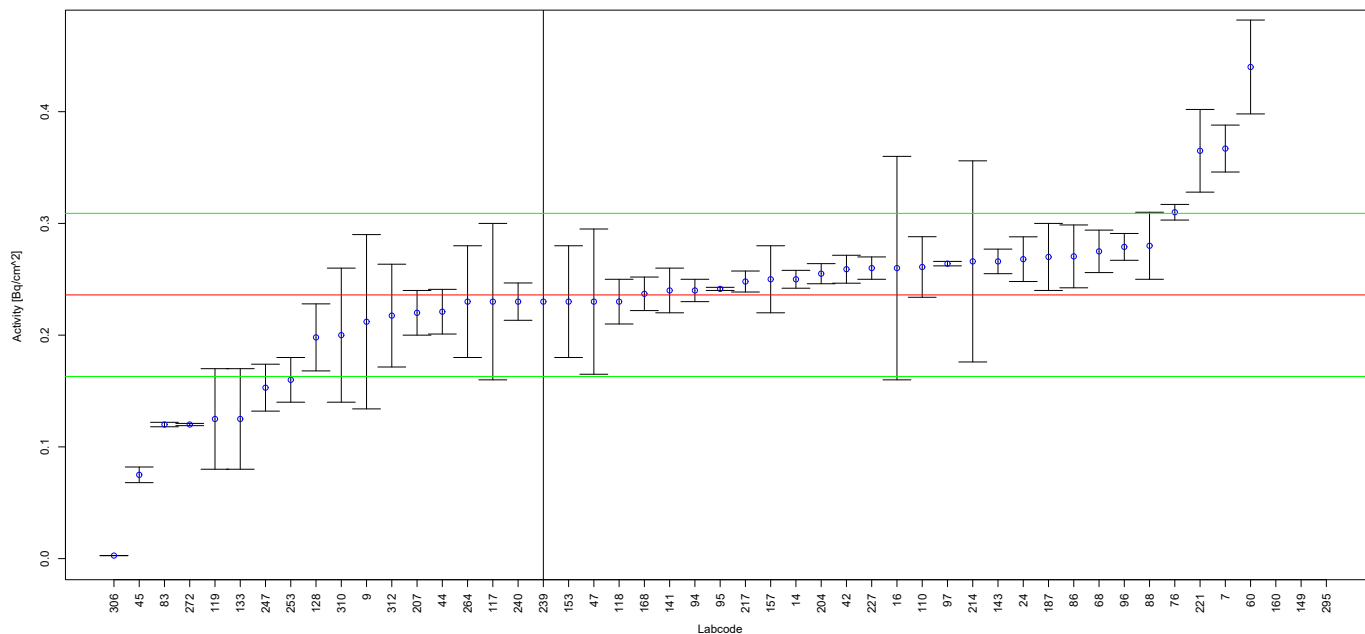


FIGURE 43. Reported results and evaluation parameters for Pu-239 in Sample 5.

TABLE 54. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $Bq/cm^2$

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 7       | 0.367      | 0.021     | 1.79    | A                  |
| 9       | 0.212      | 0.078     | 0.33    | A                  |
| 14      | 0.250      | 0.008     | 0.19    | A                  |
| 16      | 0.26       | 0.1       | 0.33    | A                  |
| 24      | 0.268      | 0.020     | 0.44    | A                  |
| 42      | 0.259      | 0.0125    | 0.32    | A                  |
| 44      | 0.221      | 0.02      | 0.21    | A                  |
| 45      | 0.075      | 0.007     | 2.21    | W                  |
| 47      | 0.230      | 0.065     | 0.08    | A                  |
| 60      | 0.440      | 0.042     | 2.79    | W                  |
| 68      | 0.275      | 0.019     | 0.53    | A                  |
| 76      | 0.31       | 0.007     | 1.01    | A                  |
| 83      | 0.12       | 0.002     | 1.59    | A                  |
| 86      | 0.2705     | 0.02813   | 0.47    | A                  |
| 88      | 0.280      | 0.030     | 0.60    | A                  |
| 94      | 0.24       | 0.01      | 0.05    | A                  |
| 95      | 0.2414     | 0.0014    | 0.07    | A                  |
| 96      | 0.279      | 0.012     | 0.59    | A                  |
| 97      | 0.264      | 0.002     | 0.38    | A                  |
| 110     | 0.261      | 0.0271    | 0.34    | A                  |
| 117     | 0.23       | 0.07      | 0.08    | A                  |

TABLE 54. IC Evaluation Results for in Sample 5, Rep. Value and Rep. Unc. in  $Bq/cm^2$ 

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 118     | 0.23       | 0.02      | 0.08    | A                  |
| 119     | 0.125      | 0.045     | 1.52    | A                  |
| 128     | 0.198      | 0.030     | 0.52    | A                  |
| 133     | 0.125      | 0.045     | 1.52    | A                  |
| 141     | 0.24       | 0.02      | 0.05    | A                  |
| 143     | 0.266      | 0.011     | 0.41    | A                  |
| 149     | 1.0        | 0.2       | 10.47   | N                  |
| 153     | 0.23       | 0.05      | 0.08    | A                  |
| 157     | 0.25       | 0.03      | 0.19    | A                  |
| 160     | 0.84       | 0.06      | 8.27    | N                  |
| 168     | 0.237      | 0.015     | 0.01    | A                  |
| 187     | 0.27       | 0.03      | 0.47    | A                  |
| 204     | 0.255      | 0.009     | 0.26    | A                  |
| 207     | 0.22       | 0.02      | 0.22    | A                  |
| 214     | 0.266      | 0.09      | 0.41    | A                  |
| 217     | 0.248      | 0.0094    | 0.16    | A                  |
| 221     | 0.365      | 0.037     | 1.77    | A                  |
| 227     | 0.26       | 0.01      | 0.33    | A                  |
| 239     | 0.23       | 0.7       | 0.08    | A                  |
| 240     | 0.230      | 0.0167    | 0.08    | A                  |
| 247     | 0.153      | 0.021     | 1.14    | A                  |
| 253     | 0.16       | 0.02      | 1.04    | A                  |
| 264     | 0.23       | 0.05      | 0.08    | A                  |
| 272     | 0.12       | 0.001     | 1.59    | A                  |
| 295     | 2.70       | 1.96      | 33.75   | N                  |
| 306     | 0.0027     | 0.0001    | 3.20    | N                  |
| 310     | 0.20       | 0.06      | 0.49    | A                  |
| 312     | 0.2175     | 0.046     | 0.25    | A                  |

## 5 Gamma spectrum analysis exercise results (Sample 7)

For Sample 07 (gamma-ray spectrum analysis exercise), the Z-Score evaluation is only calculated for those analytes which were reported by > 30 participants.

Seven analytes have an overall single reporting occurrence; for the WorldWide network, Y-88 was reported as present in the spectrum by one laboratory.

### Reported Results for K-40 Determination in Sample 7

TABLE 55. Target values

| Parameter          | Value  |
|--------------------|--------|
| Robust Mean, Bq/kg | 449.74 |
| Robust SD, Bq/kg   | 31.25  |
| N                  | 193    |

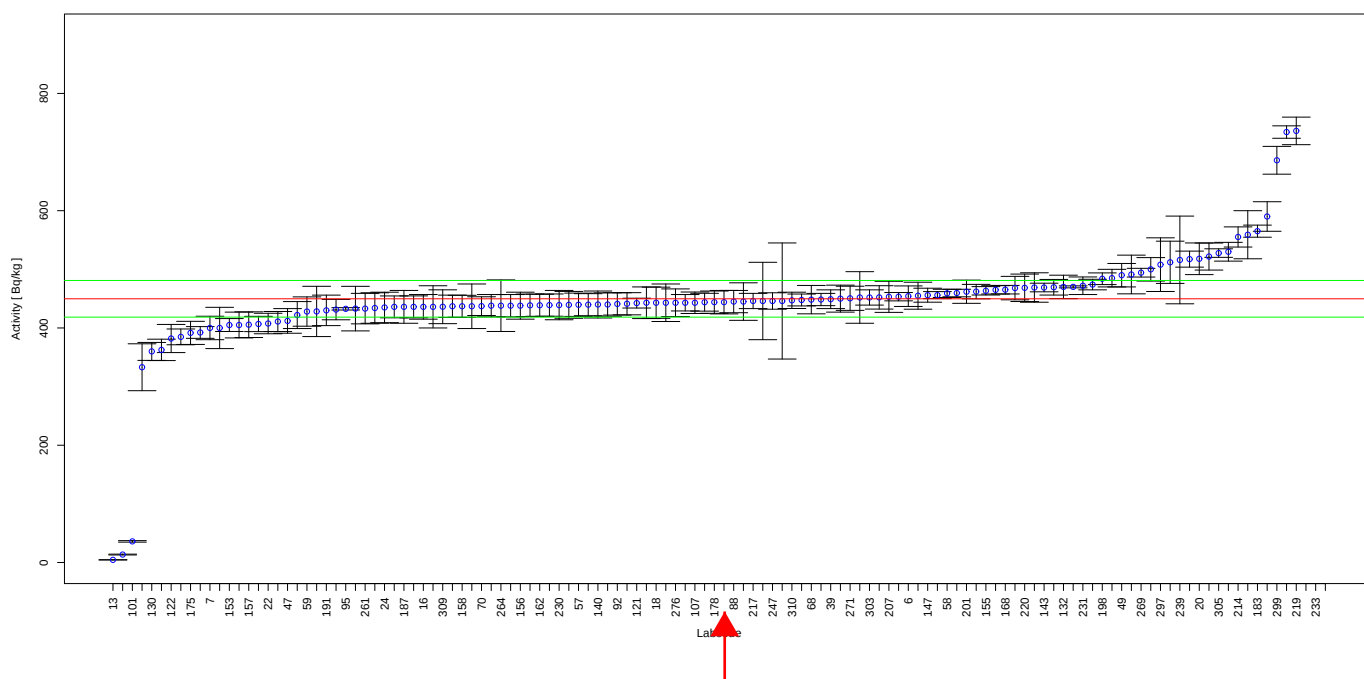


FIGURE 44. Reported results and evaluation parameters for K-40 in Sample 7.

TABLE 56. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 454.18     | 17.51     | 0.14    | A                  |
| 7       | 400        | 20        | 1.59    | A                  |
| 8       | 443        | 32        | 0.22    | A                  |
| 13      | 4.5        | 0.3       | 14.25   | N                  |
| 14      | 446        | 66        | 0.12    | A                  |
| 16      | 436        | 21        | 0.44    | A                  |
| 18      | 443.0      | 26.6      | 0.22    | A                  |
| 20      | 518        | 27        | 2.18    | W                  |
| 21      | 411        | 17.1      | 1.24    | A                  |
| 22      | 407.582    | 17.478    | 1.35    | A                  |
| 24      | 435        | 26        | 0.47    | A                  |
| 29      | 433.0      | 38.0      | 0.54    | A                  |
| 31      | 437        | 38        | 0.41    | A                  |
| 32      | 474        | 9         | 0.78    | A                  |

TABLE 56. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 33      | 431.32     | 17.37     | 0.59    | A                  |
| 38      | 559        | 41        | 3.50    | N                  |
| 39      | 449        | 16        | 0.02    | A                  |
| 40      | 468        | 20        | 0.58    | A                  |
| 47      | 412        | 21        | 1.21    | A                  |
| 49      | 490        | 20        | 1.29    | A                  |
| 50      | 485        | 15        | 1.13    | A                  |
| 51      | 422        | 23        | 0.89    | A                  |
| 52      | 384.8      | 13.46     | 2.08    | W                  |
| 57      | 439.58     | 19.87     | 0.33    | A                  |
| 58      | 459        | 7         | 0.30    | A                  |
| 59      | 428        | 25        | 0.70    | A                  |
| 60      | 443        | 27        | 0.22    | A                  |
| 65      | 439.7      | 18.8      | 0.32    | A                  |
| 66      | 434        | 26        | 0.50    | A                  |
| 68      | 448.3      | 24.2      | 0.05    | A                  |
| 69      | 435.96     | 18.65     | 0.44    | A                  |
| 70      | 437.2      | 16.0      | 0.40    | A                  |
| 71      | 517.4      | 13.66     | 2.17    | W                  |
| 72      | 405        | 22        | 1.43    | A                  |
| 74      | 438        | 19        | 0.38    | A                  |
| 76      | 452        | 44.0      | 0.07    | A                  |
| 83      | 406.8      | 13.05     | 1.37    | A                  |
| 84      | 452.132    | 19.935    | 0.08    | A                  |
| 88      | 445        | 19        | 0.15    | A                  |
| 92      | 441        | 19        | 0.28    | A                  |
| 93      | 437        | 19        | 0.41    | A                  |
| 94      | 469.0      | 25.1      | 0.62    | A                  |
| 95      | 432.63     | 2.00      | 0.55    | A                  |
| 96      | 465        | 7.1       | 0.49    | A                  |
| 101     | 36         | 1.3       | 13.24   | N                  |
| 106     | 453.3      | 7.1       | 0.11    | A                  |
| 107     | 443        | 18.3      | 0.22    | A                  |
| 110     | 400        | 35.2      | 1.59    | A                  |
| 113     | 441.3      | 18.9      | 0.27    | A                  |
| 115     | 455        | 23        | 0.17    | A                  |
| 117     | 439        | 19        | 0.34    | A                  |
| 118     | 500        | 20        | 1.61    | A                  |
| 120     | 443        | 14        | 0.22    | A                  |
| 121     | 442.379    | 8.374     | 0.24    | A                  |
| 122     | 382        | 24        | 2.17    | W                  |
| 123     | 392.3      | 10.0      | 1.84    | A                  |
| 126     | 444        | 20        | 0.18    | A                  |
| 128     | 333        | 40        | 3.74    | N                  |
| 130     | 360        | 15.3      | 2.87    | W                  |
| 132     | 470        | 20.0      | 0.65    | A                  |
| 136     | 436        | 36        | 0.44    | A                  |
| 140     | 440        | 23        | 0.31    | A                  |
| 143     | 469.00     | 7.35      | 0.62    | A                  |
| 147     | 455.87     | 11.92     | 0.20    | A                  |
| 148     | 470.1      | 1.7       | 0.65    | A                  |
| 153     | 405        | 11        | 1.43    | A                  |
| 155     | 463.36     | 7.15      | 0.44    | A                  |
| 156     | 438        | 23        | 0.38    | A                  |

TABLE 56. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 157     | 405.6      | 21.9      | 1.41    | A                  |
| 158     | 437        | 18.700    | 0.41    | A                  |
| 160     | 590.1      | 25.2      | 4.49    | N                  |
| 162     | 438.7      | 18.8      | 0.35    | A                  |
| 163     | 362.61     | 18.24     | 2.79    | W                  |
| 168     | 465.28     | 7.29      | 0.50    | A                  |
| 169     | 46488.00   | 721.00    | 1473.22 | N                  |
| 172     | 447.73     | 10.14     | 0.06    | A                  |
| 175     | 391.6      | 19.7      | 1.86    | A                  |
| 178     | 444        | 19        | 0.18    | A                  |
| 183     | 565.10     | 10.31     | 3.69    | N                  |
| 187     | 436        | 28        | 0.44    | A                  |
| 191     | 430        | 26        | 0.63    | A                  |
| 196     | 469.43     | 13.31     | 0.63    | A                  |
| 198     | 483.94     | 9.97      | 1.09    | A                  |
| 201     | 461.8      | 19.8      | 0.39    | A                  |
| 207     | 453.10     | 26.52     | 0.11    | A                  |
| 210     | 439.4      | 22.9      | 0.33    | A                  |
| 213     | 440        | 20        | 0.31    | A                  |
| 214     | 555.2      | 17.2      | 3.37    | N                  |
| 216     | 512        | 36        | 1.99    | A                  |
| 217     | 446        | 13        | 0.12    | A                  |
| 219     | 736.1      | 23.5      | 9.16    | N                  |
| 220     | 468.49     | 23.4      | 0.60    | A                  |
| 221     | 428.19     | 42.87     | 0.69    | A                  |
| 228     | 436        | 18.7      | 0.44    | A                  |
| 230     | 439        | 25        | 0.34    | A                  |
| 231     | 472        | 15        | 0.71    | A                  |
| 233     | 2766       | 69        | 74.12   | N                  |
| 235     | 448.5      | 10.45     | 0.04    | A                  |
| 238     | 438        | 19        | 0.38    | A                  |
| 239     | 516        | 74.8      | 2.12    | W                  |
| 242     | 445        | 32        | 0.15    | A                  |
| 247     | 446        | 14        | 0.12    | A                  |
| 250     | 2444.9     | 35.85     | 63.85   | N                  |
| 251     | 462.01     | 12.31     | 0.39    | A                  |
| 253     | 443.9      | 15.2      | 0.19    | A                  |
| 255     | 446        | 99        | 0.12    | A                  |
| 259     | 521.79     | 23.05     | 2.31    | W                  |
| 261     | 433        | 26        | 0.54    | A                  |
| 264     | 438        | 44        | 0.38    | A                  |
| 265     | 459.56     | 6.43      | 0.31    | A                  |
| 266     | 438.60     | 19.20     | 0.36    | A                  |
| 269     | 494.27     | 7.44      | 1.42    | A                  |
| 271     | 450.6      | 20.6      | 0.03    | A                  |
| 276     | 443        | 23.6      | 0.22    | A                  |
| 284     | 734.12     | 10.59     | 9.10    | N                  |
| 290     | 491.2      | 33.0      | 1.33    | A                  |
| 295     | 13.53      | 0.70      | 13.96   | N                  |
| 297     | 507.97     | 45.76     | 1.86    | A                  |
| 298     | 456        | 6         | 0.20    | A                  |
| 299     | 686        | 23.7      | 7.56    | N                  |
| 303     | 452        | 13        | 0.07    | A                  |
| 305     | 527.7234   | 7.2868    | 2.50    | W                  |

TABLE 56. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 306     | 530        | 16        | 2.57    | W                  |
| 309     | 436.2      | 28.85     | 0.43    | A                  |
| 310     | 447.1      | 13.9      | 0.08    | A                  |
| 312     | 450        | 23        | 0.01    | A                  |
| 500     | 1          | 2         | 14.36   | N                  |

## Reported Results for Mn-54 Determination in Sample 7

TABLE 57. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 0.59  |
| Robust SD, Bq/kg   | 0.08  |
| N                  | 17    |

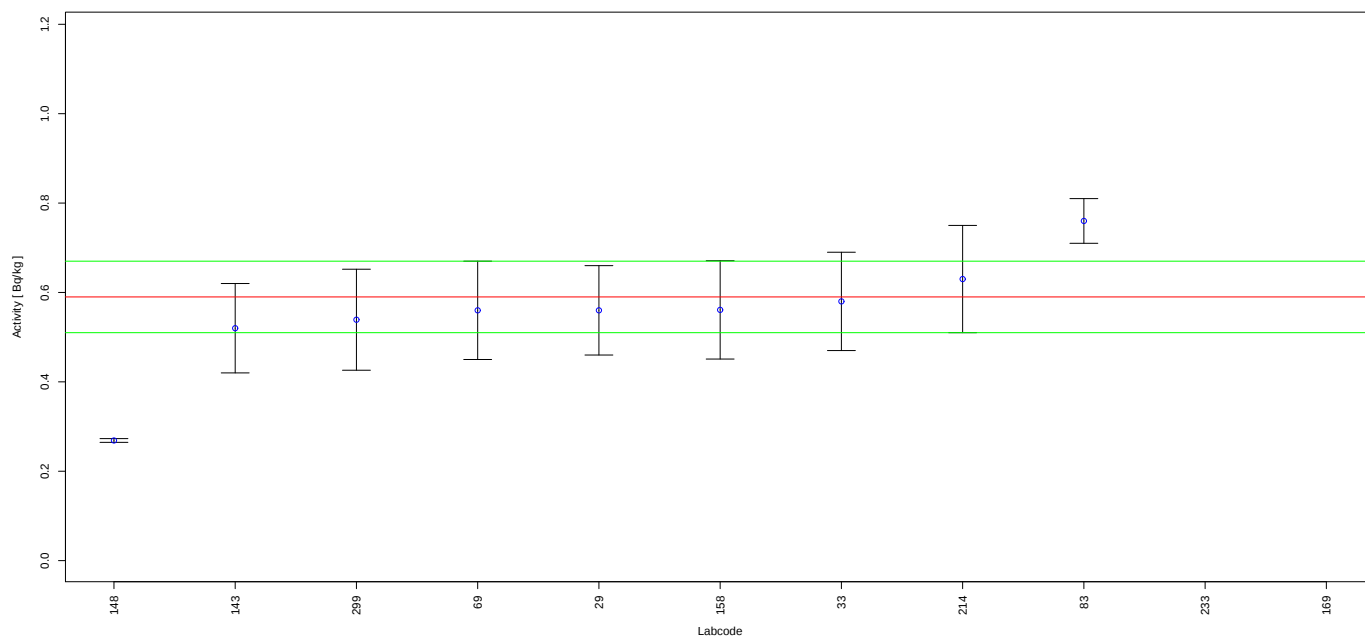


FIGURE 45. Reported results and evaluation parameters for Mn-54 in Sample 7.

TABLE 58. IC Evaluation Results for Mn-54 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 29      | 0.56       | 0.1       | 0.37    |
| 33      | 0.58       | 0.11      | 0.13    |
| 69      | 0.56       | 0.11      | 0.37    |
| 83      | 0.76       | 0.05      | 2.13    |
| 143     | 0.52       | 0.10      | 0.87    |
| 148     | 0.2688     | 0.0042    | 4.02    |
| 158     | 0.561      | 0.110     | 0.36    |
| 169     | 491.90     | 5.15      | 6141.38 |
| 214     | 0.63       | 0.12      | 0.50    |
| 233     | 5.05       | 0.12      | 55.75   |
| 299     | 0.539      | 0.113     | 0.64    |

Reported Results for Co-60 Determination in Sample 7

TABLE 59. Target values

| Parameter          | Value  |
|--------------------|--------|
| Robust Mean, Bq/kg | 123.96 |
| Robust SD, Bq/kg   | 8.12   |
| N                  | 175    |

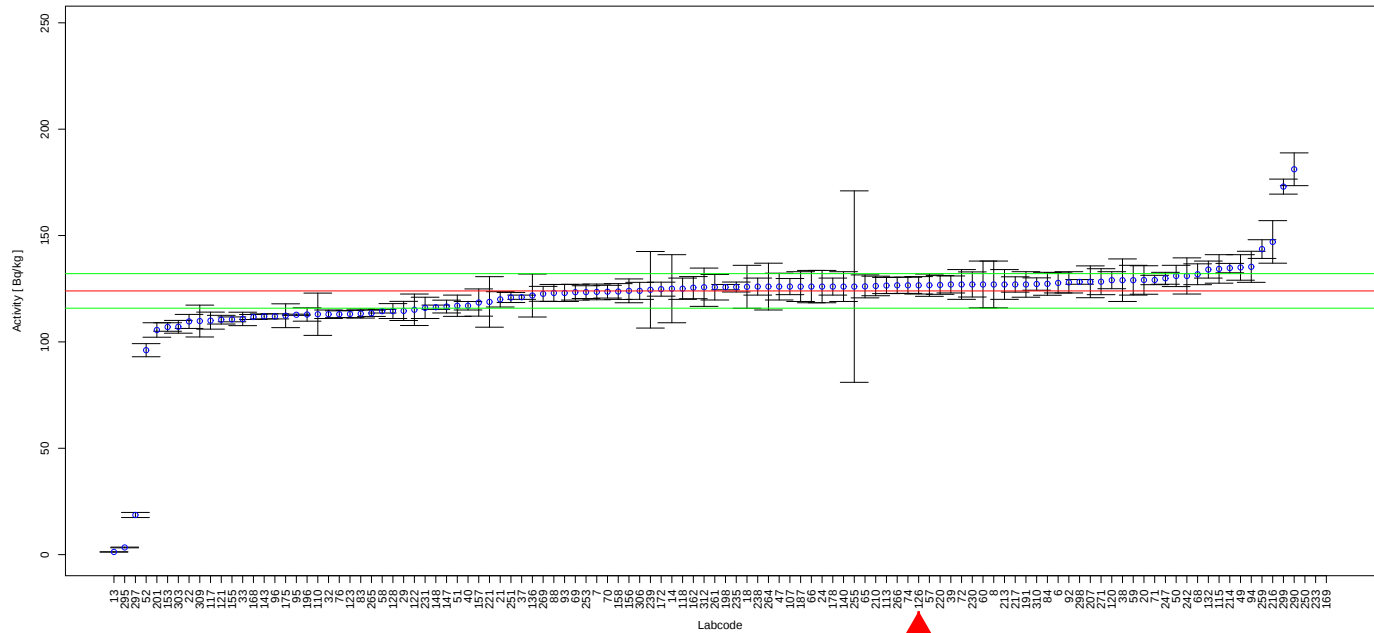


FIGURE 46. Reported results and evaluation parameters for Co-60 in Sample 7.

TABLE 60. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 127.73     | 4.72      | 0.46    | A                  |
| 7       | 123.5      | 3.7       | 0.06    | A                  |
| 8       | 127        | 11        | 0.37    | A                  |
| 13      | 1.26       | 0.07      | 15.11   | N                  |
| 14      | 125        | 16        | 0.13    | A                  |
| 18      | 125.9      | 10.1      | 0.24    | A                  |
| 20      | 129.1      | 6.7       | 0.63    | A                  |
| 21      | 120        | 3.6       | 0.49    | A                  |
| 22      | 109.623    | 3.296     | 1.77    | A                  |
| 24      | 126        | 7.6       | 0.25    | A                  |
| 29      | 114.56     | 4.5       | 1.16    | A                  |
| 32      | 113        | 2         | 1.35    | A                  |
| 33      | 110.80     | 3.16      | 1.62    | A                  |
| 37      | 121        | 1         | 0.36    | A                  |
| 38      | 129        | 10        | 0.62    | A                  |
| 39      | 127        | 4         | 0.37    | A                  |
| 40      | 117        | 2         | 0.86    | A                  |
| 47      | 126        | 6.3       | 0.25    | A                  |
| 49      | 135        | 6         | 1.36    | A                  |
| 50      | 131        | 5         | 0.87    | A                  |
| 51      | 117        | 5         | 0.86    | A                  |

TABLE 60. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 52      | 96.10      | 3.08      | 3.43    | N                  |
| 57      | 126.66     | 5.24      | 0.33    | A                  |
| 58      | 114.44     | 0.86      | 1.17    | A                  |
| 59      | 129        | 7         | 0.62    | A                  |
| 60      | 127        | 11        | 0.37    | A                  |
| 65      | 126.1      | 5.4       | 0.26    | A                  |
| 66      | 126        | 7.6       | 0.25    | A                  |
| 68      | 131.8      | 4.9       | 0.97    | A                  |
| 69      | 123.37     | 3.71      | 0.07    | A                  |
| 70      | 123.6      | 3.0       | 0.04    | A                  |
| 71      | 129.1      | 2.2       | 0.63    | A                  |
| 72      | 127        | 7         | 0.37    | A                  |
| 74      | 126.6      | 3.8       | 0.33    | A                  |
| 76      | 113        | 1.60      | 1.35    | A                  |
| 83      | 113.3      | 2.1       | 1.31    | A                  |
| 84      | 127.316    | 5.388     | 0.41    | A                  |
| 88      | 123        | 4         | 0.12    | A                  |
| 92      | 128        | 5         | 0.50    | A                  |
| 93      | 123        | 4         | 0.12    | A                  |
| 94      | 135.3      | 7.3       | 1.40    | A                  |
| 95      | 112.75     | 0.28      | 1.38    | A                  |
| 96      | 112        | 1.2       | 1.47    | A                  |
| 107     | 126        | 3.79      | 0.25    | A                  |
| 110     | 113        | 9.94      | 1.35    | A                  |
| 113     | 126.5      | 3.8       | 0.31    | A                  |
| 115     | 134.3      | 6.7       | 1.27    | A                  |
| 117     | 110        | 4         | 1.72    | A                  |
| 118     | 125        | 5         | 0.13    | A                  |
| 120     | 129        | 4         | 0.62    | A                  |
| 121     | 110.440    | 2.045     | 1.67    | A                  |
| 122     | 115.1      | 7.4       | 1.09    | A                  |
| 123     | 113.1      | 1.7       | 1.34    | A                  |
| 126     | 126.6      | 4.1       | 0.33    | A                  |
| 128     | 114.5      | 3.5       | 1.17    | A                  |
| 132     | 134        | 4         | 1.24    | A                  |
| 136     | 121.8      | 10.1      | 0.27    | A                  |
| 140     | 126        | 7         | 0.25    | A                  |
| 143     | 112.00     | 1.17      | 1.47    | A                  |
| 147     | 116.61     | 3.01      | 0.91    | A                  |
| 148     | 116.3      | 1.0       | 0.94    | A                  |
| 153     | 107        | 2         | 2.09    | W                  |
| 155     | 110.59     | 1.15      | 1.65    | A                  |
| 156     | 124        | 5.6       | 0.00    | A                  |
| 157     | 118.5      | 6.4       | 0.67    | A                  |
| 158     | 123.68     | 3.720     | 0.03    | A                  |
| 162     | 125.5      | 5.2       | 0.19    | A                  |
| 168     | 111.7      | 1.173     | 1.51    | A                  |
| 169     | 11168.00   | 116.60    | 1360.10 | N                  |
| 172     | 124.79     | 3.29      | 0.10    | A                  |
| 175     | 112.3      | 5.6       | 1.44    | A                  |
| 178     | 126        | 4         | 0.25    | A                  |
| 187     | 126        | 7         | 0.25    | A                  |
| 191     | 127        | 6         | 0.37    | A                  |
| 196     | 112.88     | 3.14      | 1.36    | A                  |

TABLE 60. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 198     | 125.74     | 1.26      | 0.22    | A                  |
| 201     | 105.6      | 3.4       | 2.26    | W                  |
| 207     | 128.25     | 7.48      | 0.53    | A                  |
| 210     | 126.3      | 4.6       | 0.29    | A                  |
| 213     | 127        | 7         | 0.37    | A                  |
| 214     | 134.7      | 2.2       | 1.32    | A                  |
| 216     | 147        | 10        | 2.84    | W                  |
| 217     | 127        | 3.6       | 0.37    | A                  |
| 220     | 126.77     | 4.4       | 0.35    | A                  |
| 221     | 118.79     | 11.88     | 0.64    | A                  |
| 230     | 127        | 5.9       | 0.37    | A                  |
| 231     | 116        | 5         | 0.98    | A                  |
| 233     | 740        | 17.7      | 75.87   | N                  |
| 235     | 125.8      | 2.34      | 0.23    | A                  |
| 238     | 126        | 4         | 0.25    | A                  |
| 239     | 124.5      | 18        | 0.07    | A                  |
| 242     | 131        | 8.5       | 0.87    | A                  |
| 247     | 129.9      | 2.8       | 0.73    | A                  |
| 250     | 633.4      | 8.63      | 62.74   | N                  |
| 251     | 120.88     | 2.37      | 0.38    | A                  |
| 253     | 123.4      | 3.0       | 0.07    | A                  |
| 255     | 126        | 45        | 0.25    | A                  |
| 259     | 143.63     | 4.40      | 2.42    | W                  |
| 261     | 125.7      | 6.0       | 0.21    | A                  |
| 264     | 126        | 11        | 0.25    | A                  |
| 265     | 113.44     | 1.47      | 1.30    | A                  |
| 266     | 126.60     | 3.83      | 0.33    | A                  |
| 269     | 122.6      | 3.5       | 0.17    | A                  |
| 271     | 128.3      | 6.1       | 0.53    | A                  |
| 290     | 181.15     | 7.7       | 7.04    | N                  |
| 295     | 3.36       | 0.17      | 14.85   | N                  |
| 297     | 18.63      | 1.2       | 12.97   | N                  |
| 298     | 128.2      | 1.1       | 0.52    | A                  |
| 299     | 173        | 3.53      | 6.04    | N                  |
| 303     | 107.1      | 3.0       | 2.08    | W                  |
| 306     | 124        | 4         | 0.00    | A                  |
| 309     | 109.8      | 7.487     | 1.74    | A                  |
| 310     | 127.2      | 2.9       | 0.40    | A                  |
| 312     | 125.7      | 9.0       | 0.21    | A                  |

## Reported Results for Cd-109 Determination in Sample 7

TABLE 61. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 55.5  |
| Robust SD, Bq/kg   | 39.4  |
| N                  | 8     |

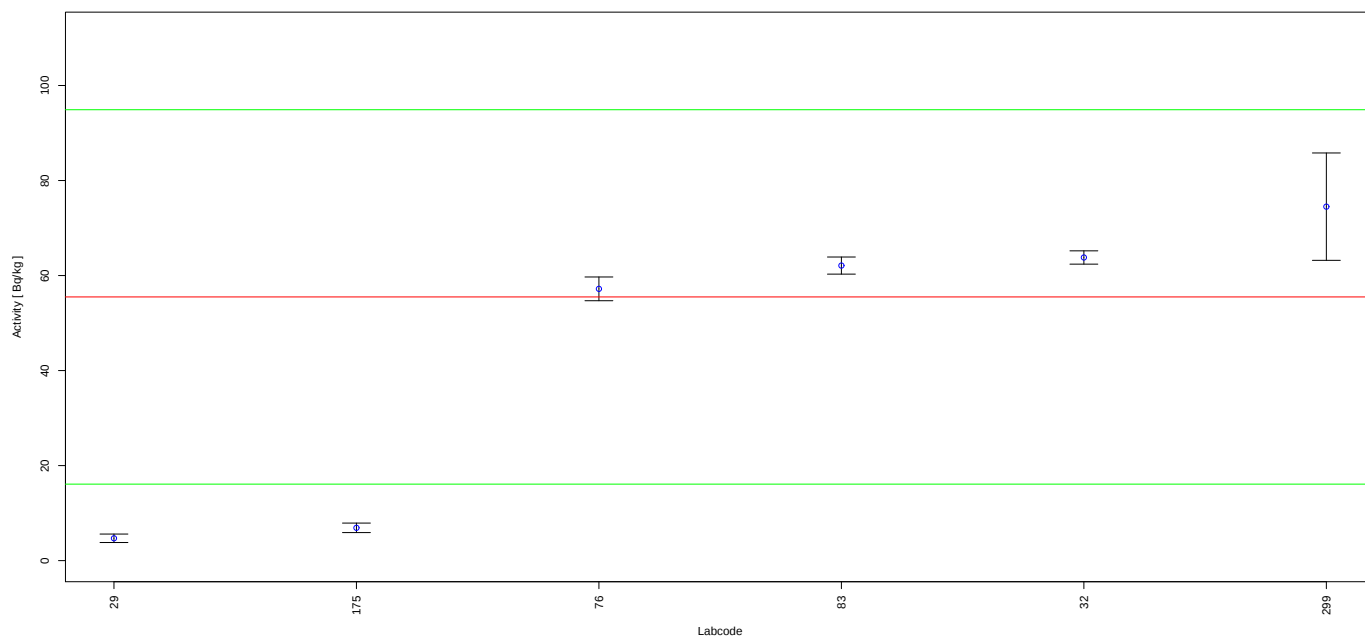


FIGURE 47. Reported results and evaluation parameters for Cd-109 in Sample 7.

TABLE 62. IC Evaluation Results for Cd-109 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 29      | 4.7        | 0.89      | 1.29    |
| 32      | 63.8       | 1.4       | 0.21    |
| 76      | 57.2       | 2.50      | 0.04    |
| 83      | 62.1       | 1.8       | 0.17    |
| 175     | 6.9        | 1.0       | 1.23    |
| 299     | 74.5       | 11.3      | 0.48    |

## Reported Results for Sn-113 Determination in Sample 7

TABLE 63. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 1.84  |
| Robust SD, Bq/kg   | 0.26  |
| N                  | 27    |

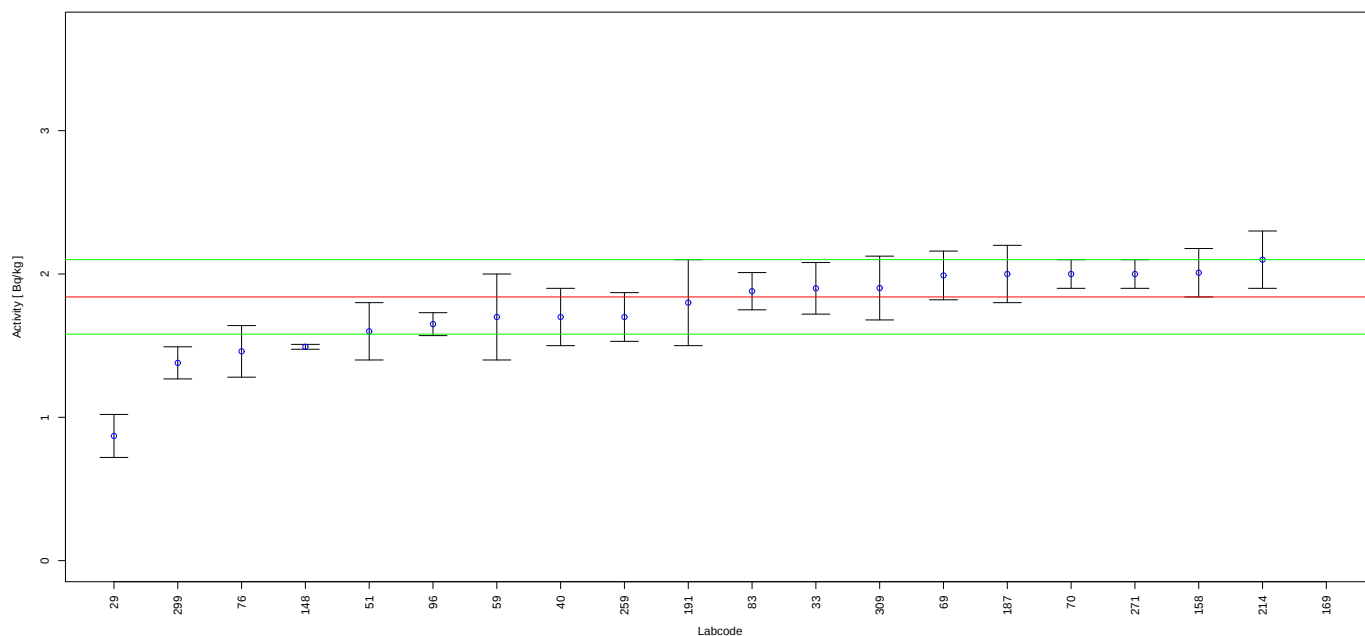


FIGURE 48. Reported results and evaluation parameters for Sn-113 in Sample 7.

TABLE 64. IC Evaluation Results for Sn-113 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 29      | 0.87       | 0.15      | 3.73    |
| 33      | 1.90       | 0.18      | 0.23    |
| 40      | 1.7        | 0.2       | 0.54    |
| 51      | 1.6        | 0.2       | 0.92    |
| 59      | 1.7        | 0.3       | 0.54    |
| 69      | 1.99       | 0.17      | 0.58    |
| 70      | 2.0        | 0.1       | 0.62    |
| 76      | 1.46       | 0.18      | 1.46    |
| 83      | 1.88       | 0.13      | 0.15    |
| 96      | 1.65       | 0.08      | 0.73    |
| 148     | 1.492      | 0.017     | 1.34    |
| 158     | 2.009      | 0.169     | 0.65    |
| 169     | 166.79     | 8.10      | 634.42  |
| 187     | 2.0        | 0.2       | 0.62    |
| 191     | 1.8        | 0.3       | 0.15    |
| 214     | 2.1        | 0.2       | 1.00    |
| 259     | 1.70       | 0.17      | 0.54    |
| 271     | 2.0        | 0.1       | 0.62    |
| 299     | 1.38       | 0.112     | 1.77    |
| 309     | 1.902      | 0.2226    | 0.24    |

## Reported Results for Ba-133 Determination in Sample 7

TABLE 65. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 62.13 |
| Robust SD, Bq/kg   | 8.76  |
| N                  | 165   |

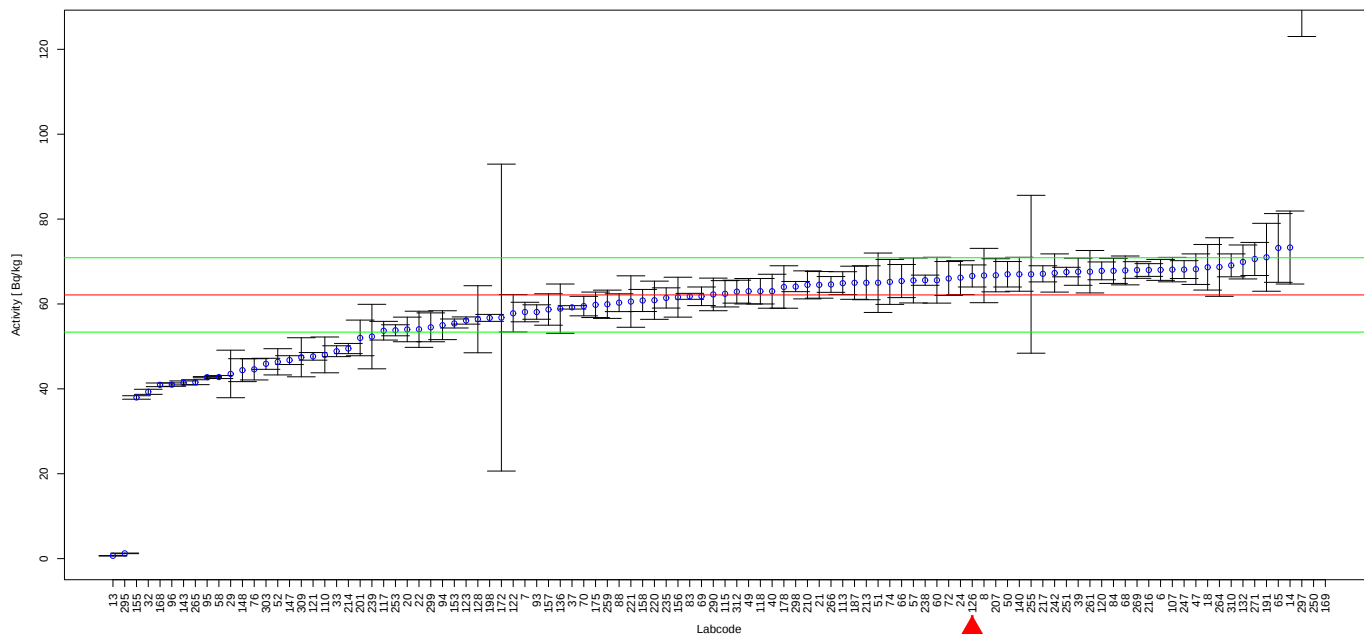


FIGURE 49. Reported results and evaluation parameters for Ba-133 in Sample 7.

TABLE 66. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 68.03      | 2.47      | 0.67    | A                  |
| 7       | 58.1       | 2.3       | 0.46    | A                  |
| 8       | 66.7       | 6.4       | 0.52    | A                  |
| 13      | 0.66       | 0.05      | 7.02    | N                  |
| 14      | 73.3       | 8.6       | 1.28    | A                  |
| 18      | 68.65      | 5.37      | 0.74    | A                  |
| 20      | 54         | 2.9       | 0.93    | A                  |
| 21      | 64.5       | 3.14      | 0.27    | A                  |
| 22      | 54.036     | 4.258     | 0.92    | A                  |
| 24      | 66.2       | 4.0       | 0.46    | A                  |
| 29      | 43.51      | 5.6       | 2.13    | W                  |
| 32      | 39.3       | 0.6       | 2.61    | W                  |
| 33      | 48.87      | 1.28      | 1.51    | A                  |
| 37      | 59.2       | 0.4       | 0.33    | A                  |
| 39      | 67.6       | 3.2       | 0.62    | A                  |
| 40      | 63         | 4         | 0.10    | A                  |
| 47      | 68.2       | 3.6       | 0.69    | A                  |
| 49      | 63         | 3         | 0.10    | A                  |
| 50      | 67         | 3         | 0.56    | A                  |
| 51      | 65         | 7         | 0.33    | A                  |
| 52      | 46.37      | 3.09      | 1.80    | A                  |

TABLE 66. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 57      | 65.54      | 5.30      | 0.39    | A                  |
| 58      | 42.78      | 0.35      | 2.21    | W                  |
| 60      | 65.6       | 5.4       | 0.40    | A                  |
| 65      | 73.2       | 8.1       | 1.26    | A                  |
| 66      | 65.4       | 3.9       | 0.37    | A                  |
| 68      | 67.9       | 3.4       | 0.66    | A                  |
| 69      | 61.81      | 2.19      | 0.04    | A                  |
| 70      | 59.5       | 2.3       | 0.30    | A                  |
| 72      | 66         | 4         | 0.44    | A                  |
| 74      | 65.2       | 5.3       | 0.35    | A                  |
| 76      | 44.6       | 2.50      | 2.00    | A                  |
| 83      | 61.8       | 0.7       | 0.04    | A                  |
| 84      | 67.802     | 2.961     | 0.65    | A                  |
| 88      | 60.3       | 2.1       | 0.21    | A                  |
| 93      | 58.1       | 1.7       | 0.46    | A                  |
| 94      | 55.0       | 3.4       | 0.81    | A                  |
| 95      | 42.75      | 0.14      | 2.21    | W                  |
| 96      | 41.0       | 0.4       | 2.41    | W                  |
| 107     | 68.1       | 2.88      | 0.68    | A                  |
| 110     | 48         | 4.22      | 1.61    | A                  |
| 113     | 64.9       | 2.7       | 0.32    | A                  |
| 115     | 62.4       | 3.1       | 0.03    | A                  |
| 117     | 53.7       | 2.2       | 0.96    | A                  |
| 118     | 63         | 3         | 0.10    | A                  |
| 120     | 67.8       | 2.1       | 0.65    | A                  |
| 121     | 47.656     | 0.896     | 1.65    | A                  |
| 122     | 57.8       | 4.4       | 0.49    | A                  |
| 123     | 56.1       | 0.85      | 0.69    | A                  |
| 126     | 66.6       | 2.6       | 0.51    | A                  |
| 128     | 56.4       | 7.9       | 0.65    | A                  |
| 132     | 69.9       | 4         | 0.89    | A                  |
| 136     | 58.9       | 5.8       | 0.37    | A                  |
| 140     | 67         | 4         | 0.56    | A                  |
| 143     | 41.40      | 0.47      | 2.37    | W                  |
| 147     | 46.77      | 1.04      | 1.75    | A                  |
| 148     | 44.4       | 2.7       | 2.02    | W                  |
| 153     | 55.4       | 1.06      | 0.77    | A                  |
| 155     | 37.97      | 0.41      | 2.76    | W                  |
| 156     | 61.6       | 4.7       | 0.06    | A                  |
| 157     | 58.7       | 3.7       | 0.39    | A                  |
| 158     | 60.822     | 2.602     | 0.15    | A                  |
| 168     | 40.95      | 0.43      | 2.42    | W                  |
| 169     | 4407.57    | 49.59     | 496.05  | N                  |
| 172     | 56.79      | 36.16     | 0.61    | A                  |
| 175     | 59.8       | 3.0       | 0.27    | A                  |
| 178     | 64         | 5         | 0.21    | A                  |
| 187     | 65.0       | 3.9       | 0.33    | A                  |
| 191     | 71         | 8         | 1.01    | A                  |
| 198     | 56.72      | 0.82      | 0.62    | A                  |
| 201     | 52.0       | 4.2       | 1.16    | A                  |
| 207     | 66.76      | 3.90      | 0.53    | A                  |
| 210     | 64.5       | 3.3       | 0.27    | A                  |
| 213     | 65         | 4         | 0.33    | A                  |
| 214     | 49.5       | 1.2       | 1.44    | A                  |

TABLE 66. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 216     | 68.0       | 1.5       | 0.67    | A                  |
| 217     | 67.1       | 1.9       | 0.57    | A                  |
| 220     | 60.88      | 4.5       | 0.14    | A                  |
| 221     | 60.57      | 6.06      | 0.18    | A                  |
| 235     | 61.42      | 2.38      | 0.08    | A                  |
| 238     | 65.6       | 1.2       | 0.40    | A                  |
| 239     | 52.32      | 7.6       | 1.12    | A                  |
| 242     | 67.3       | 4.5       | 0.59    | A                  |
| 247     | 68.1       | 2.1       | 0.68    | A                  |
| 250     | 263.17     | 3.91      | 22.95   | N                  |
| 251     | 67.52      | 1.12      | 0.62    | A                  |
| 253     | 53.8       | 1.3       | 0.95    | A                  |
| 255     | 67.0       | 18.6      | 0.56    | A                  |
| 259     | 59.93      | 3.33      | 0.25    | A                  |
| 261     | 67.6       | 5.0       | 0.62    | A                  |
| 264     | 68.7       | 6.9       | 0.75    | A                  |
| 265     | 41.57      | 0.58      | 2.35    | W                  |
| 266     | 64.60      | 1.86      | 0.28    | A                  |
| 269     | 68.0       | 1.96      | 0.67    | A                  |
| 271     | 70.6       | 3.9       | 0.97    | A                  |
| 290     | 62.25      | 3.84      | 0.01    | A                  |
| 295     | 1.24       | 0.07      | 6.95    | N                  |
| 297     | 130.48     | 7.46      | 7.80    | N                  |
| 298     | 64.1       | 1.2       | 0.22    | A                  |
| 299     | 54.5       | 3.40      | 0.87    | A                  |
| 303     | 45.9       | 1.3       | 1.85    | A                  |
| 309     | 47.44      | 4.603     | 1.68    | A                  |
| 310     | 69.1       | 2.7       | 0.80    | A                  |
| 312     | 62.9       | 2.7       | 0.09    | A                  |

## Reported Results for Cs-134 Determination in Sample 7

TABLE 67. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 39.8  |
| Robust SD, Bq/kg   | 3.85  |
| N                  | 175   |

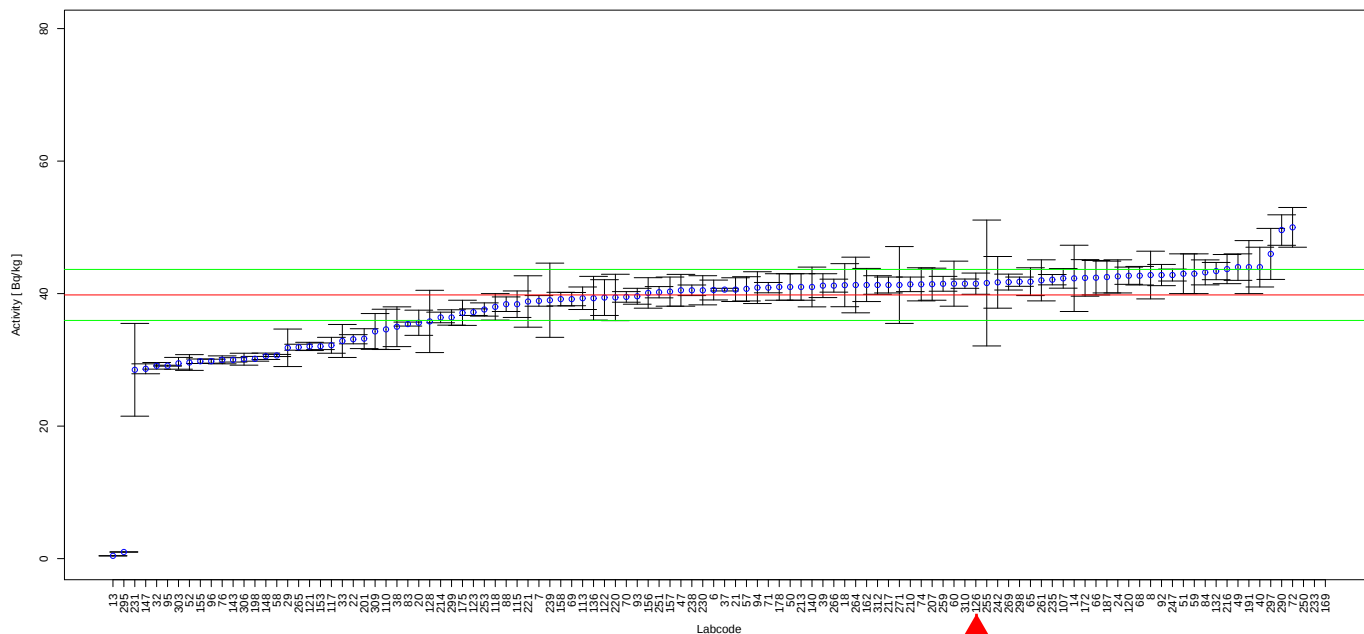


FIGURE 50. Reported results and evaluation parameters for Cs-134 in Sample 7.

TABLE 68. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 40.54      | 1.50      | 0.19    | A                  |
| 7       | 38.9       | 0.8       | 0.23    | A                  |
| 8       | 42.8       | 3.6       | 0.78    | A                  |
| 13      | 0.42       | 0.03      | 10.23   | N                  |
| 14      | 42.3       | 5.0       | 0.65    | A                  |
| 18      | 41.27      | 3.25      | 0.38    | A                  |
| 20      | 35.6       | 1.9       | 1.09    | A                  |
| 21      | 40.6       | 1.79      | 0.21    | A                  |
| 22      | 33.111     | 0.692     | 1.74    | A                  |
| 24      | 42.6       | 2.5       | 0.73    | A                  |
| 29      | 31.82      | 2.83      | 2.07    | W                  |
| 32      | 29.1       | 0.5       | 2.78    | W                  |
| 33      | 32.85      | 2.49      | 1.81    | A                  |
| 37      | 40.6       | 0.2       | 0.21    | A                  |
| 38      | 35         | 3         | 1.25    | A                  |
| 39      | 41.2       | 1.8       | 0.36    | A                  |
| 40      | 44         | 3         | 1.09    | A                  |
| 47      | 40.5       | 2.4       | 0.18    | A                  |
| 49      | 44         | 2         | 1.09    | A                  |
| 50      | 41         | 2         | 0.31    | A                  |
| 51      | 43         | 3         | 0.83    | A                  |

TABLE 68. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 52      | 29.6       | 1.19      | 2.65    | W                  |
| 57      | 40.72      | 1.83      | 0.24    | A                  |
| 58      | 30.66      | 0.16      | 2.37    | W                  |
| 59      | 43         | 3         | 0.83    | A                  |
| 60      | 41.5       | 3.4       | 0.44    | A                  |
| 65      | 41.8       | 2.1       | 0.52    | A                  |
| 66      | 42.4       | 2.6       | 0.68    | A                  |
| 68      | 42.7       | 1.4       | 0.75    | A                  |
| 69      | 39.17      | 1.00      | 0.16    | A                  |
| 70      | 39.5       | 0.8       | 0.08    | A                  |
| 71      | 40.9       | 0.78      | 0.29    | A                  |
| 72      | 50         | 3         | 2.65    | W                  |
| 74      | 41.4       | 2.5       | 0.42    | A                  |
| 76      | 30.0       | 0.60      | 2.55    | W                  |
| 83      | 35.4       | 0.3       | 1.14    | A                  |
| 84      | 43.204     | 1.886     | 0.88    | A                  |
| 88      | 38.4       | 1.1       | 0.36    | A                  |
| 92      | 42.8       | 1.6       | 0.78    | A                  |
| 93      | 39.6       | 1.2       | 0.05    | A                  |
| 94      | 40.9       | 2.4       | 0.29    | A                  |
| 95      | 29.12      | 0.07      | 2.77    | W                  |
| 96      | 29.8       | 0.3       | 2.60    | W                  |
| 107     | 42.3       | 1.48      | 0.65    | A                  |
| 110     | 34.6       | 3.04      | 1.35    | A                  |
| 113     | 39.3       | 1.7       | 0.13    | A                  |
| 115     | 38.4       | 2.0       | 0.36    | A                  |
| 117     | 32.2       | 1.2       | 1.97    | A                  |
| 118     | 38         | 2         | 0.47    | A                  |
| 120     | 42.7       | 1.3       | 0.75    | A                  |
| 121     | 32.028     | 0.622     | 2.02    | W                  |
| 122     | 39.4       | 2.7       | 0.10    | A                  |
| 123     | 37.2       | 0.5       | 0.68    | A                  |
| 126     | 41.5       | 1.6       | 0.44    | A                  |
| 128     | 35.8       | 4.7       | 1.04    | A                  |
| 132     | 43.4       | 1.3       | 0.94    | A                  |
| 136     | 39.3       | 3.3       | 0.13    | A                  |
| 140     | 41         | 3         | 0.31    | A                  |
| 143     | 30.00      | 0.33      | 2.55    | W                  |
| 147     | 28.65      | 0.75      | 2.90    | W                  |
| 148     | 30.54      | 0.48      | 2.41    | W                  |
| 153     | 32.05      | 0.5       | 2.01    | W                  |
| 155     | 29.79      | 0.34      | 2.60    | W                  |
| 156     | 40.1       | 2.3       | 0.08    | A                  |
| 157     | 40.3       | 2.2       | 0.13    | A                  |
| 158     | 39.167     | 1.030     | 0.16    | A                  |
| 162     | 41.3       | 2.5       | 0.39    | A                  |
| 169     | 2982.79    | 32.69     | 764.41  | N                  |
| 172     | 42.37      | 2.76      | 0.67    | A                  |
| 175     | 37.1       | 1.9       | 0.70    | A                  |
| 178     | 41         | 2         | 0.31    | A                  |
| 187     | 42.5       | 2.4       | 0.70    | A                  |
| 191     | 44         | 4         | 1.09    | A                  |
| 198     | 30.16      | 0.36      | 2.50    | W                  |
| 201     | 33.2       | 1.5       | 1.71    | A                  |

TABLE 68. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 207     | 41.42      | 2.42      | 0.42    | A                  |
| 210     | 41.4       | 1.1       | 0.42    | A                  |
| 213     | 41         | 2         | 0.31    | A                  |
| 214     | 36.4       | 0.8       | 0.88    | A                  |
| 216     | 43.7       | 2.2       | 1.01    | A                  |
| 217     | 41.3       | 1.2       | 0.39    | A                  |
| 220     | 39.42      | 3.5       | 0.10    | A                  |
| 221     | 38.81      | 3.88      | 0.26    | A                  |
| 230     | 40.5       | 2.2       | 0.18    | A                  |
| 231     | 28.5       | 7         | 2.94    | W                  |
| 233     | 282        | 7.05      | 62.91   | N                  |
| 235     | 42.1       | 0.78      | 0.60    | A                  |
| 238     | 40.5       | 0.8       | 0.18    | A                  |
| 239     | 39         | 5.6       | 0.21    | A                  |
| 242     | 41.7       | 3.9       | 0.49    | A                  |
| 247     | 42.8       | 0.9       | 0.78    | A                  |
| 250     | 145.81     | 2.08      | 27.54   | N                  |
| 251     | 40.21      | 0.85      | 0.11    | A                  |
| 253     | 37.6       | 1.0       | 0.57    | A                  |
| 255     | 41.6       | 9.5       | 0.47    | A                  |
| 259     | 41.48      | 1.12      | 0.44    | A                  |
| 261     | 42.0       | 3.1       | 0.57    | A                  |
| 264     | 41.3       | 4.2       | 0.39    | A                  |
| 265     | 31.91      | 0.45      | 2.05    | W                  |
| 266     | 41.20      | 0.98      | 0.36    | A                  |
| 269     | 41.74      | 1.20      | 0.50    | A                  |
| 271     | 41.3       | 5.8       | 0.39    | A                  |
| 290     | 49.59      | 2.3       | 2.54    | W                  |
| 295     | 1.00       | 0.04      | 10.08   | N                  |
| 297     | 45.99      | 3.85      | 1.61    | A                  |
| 298     | 41.8       | 0.7       | 0.52    | A                  |
| 299     | 36.4       | 1.16      | 0.88    | A                  |
| 303     | 29.48      | 0.89      | 2.68    | W                  |
| 306     | 30.1       | 0.9       | 2.52    | W                  |
| 309     | 34.29      | 2.701     | 1.43    | A                  |
| 310     | 41.5       | 0.7       | 0.44    | A                  |
| 312     | 41.3       | 1.4       | 0.39    | A                  |

## Reported Results for Cs-137 Determination in Sample 7

TABLE 69. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 83.2  |
| Robust SD, Bq/kg   | 4.79  |
| N                  | 175   |

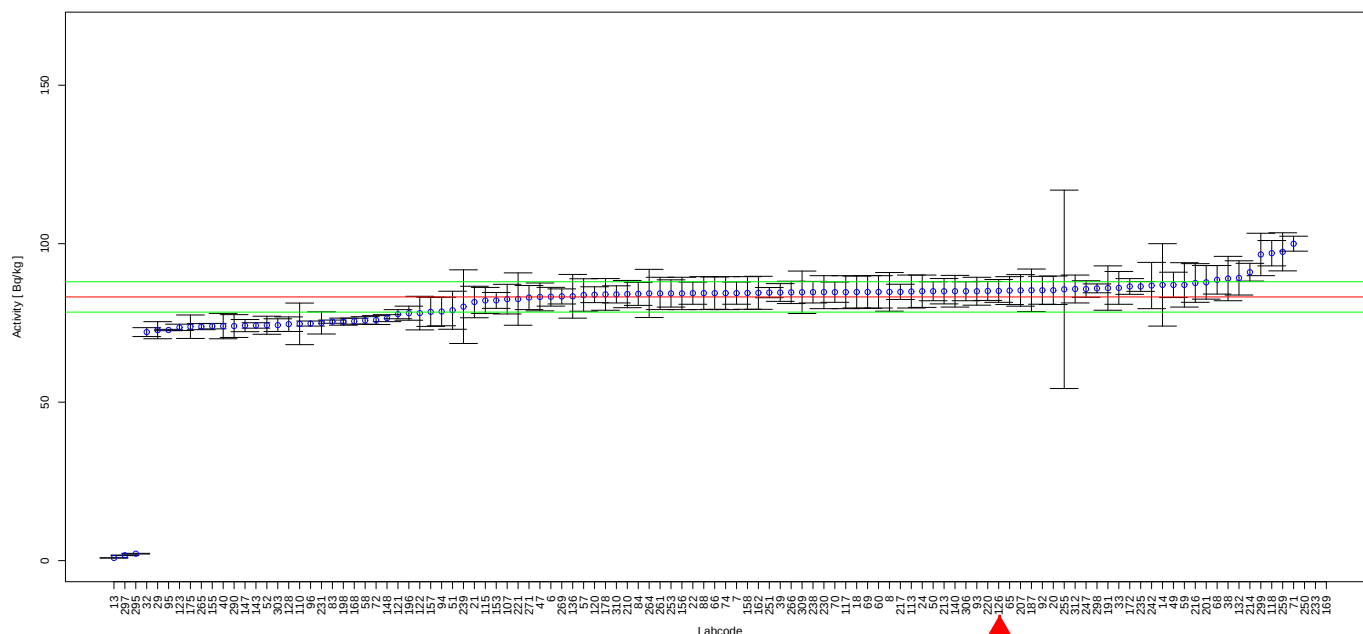


FIGURE 51. Reported results and evaluation parameters for Cs-137 in Sample 7.

TABLE 70. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 83.26      | 2.96      | 0.01    | A                  |
| 7       | 84.4       | 3.5       | 0.25    | A                  |
| 8       | 84.8       | 6.1       | 0.33    | A                  |
| 13      | 0.85       | 0.05      | 17.19   | N                  |
| 14      | 87         | 13        | 0.79    | A                  |
| 18      | 84.74      | 5.03      | 0.32    | A                  |
| 20      | 85.3       | 4.5       | 0.44    | A                  |
| 21      | 81.6       | 4.97      | 0.33    | A                  |
| 22      | 84.382     | 3.493     | 0.25    | A                  |
| 24      | 85.0       | 5.1       | 0.38    | A                  |
| 29      | 72.7       | 2.69      | 2.19    | W                  |
| 32      | 72.1       | 1.4       | 2.32    | W                  |
| 33      | 86.05      | 5.17      | 0.59    | A                  |
| 38      | 89         | 7         | 1.21    | A                  |
| 39      | 84.6       | 2.8       | 0.29    | A                  |
| 40      | 74         | 4         | 1.92    | A                  |
| 47      | 83.2       | 4.4       | 0.00    | A                  |
| 49      | 87         | 4         | 0.79    | A                  |
| 50      | 85         | 3         | 0.38    | A                  |
| 51      | 79         | 6         | 0.88    | A                  |
| 52      | 74.27      | 2.85      | 1.86    | A                  |

TABLE 70. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 57      | 83.81      | 5.12      | 0.13    | A                  |
| 58      | 75.79      | 1.18      | 1.55    | A                  |
| 59      | 87         | 7         | 0.79    | A                  |
| 60      | 84.8       | 5.1       | 0.33    | A                  |
| 65      | 85.2       | 4.4       | 0.42    | A                  |
| 66      | 84.4       | 5.1       | 0.25    | A                  |
| 68      | 88.6       | 4.5       | 1.13    | A                  |
| 69      | 84.77      | 5.17      | 0.33    | A                  |
| 70      | 84.7       | 3.2       | 0.31    | A                  |
| 71      | 100.0      | 2.36      | 3.51    | N                  |
| 72      | 75.9       | 1.4       | 1.52    | A                  |
| 74      | 84.4       | 5.2       | 0.25    | A                  |
| 83      | 75.4       | 0.5       | 1.63    | A                  |
| 84      | 84.162     | 3.628     | 0.20    | A                  |
| 88      | 84.4       | 5.2       | 0.25    | A                  |
| 92      | 85.3       | 4.4       | 0.44    | A                  |
| 93      | 85.0       | 4.4       | 0.38    | A                  |
| 94      | 78.6       | 4.5       | 0.96    | A                  |
| 95      | 72.76      | 0.21      | 2.18    | W                  |
| 96      | 74.8       | 0.8       | 1.75    | A                  |
| 107     | 82.5       | 4.68      | 0.15    | A                  |
| 110     | 74.7       | 6.56      | 1.77    | A                  |
| 113     | 84.9       | 5.2       | 0.35    | A                  |
| 115     | 82.1       | 4.1       | 0.23    | A                  |
| 117     | 84.7       | 5.2       | 0.31    | A                  |
| 118     | 97         | 4         | 2.88    | W                  |
| 120     | 83.9       | 2.5       | 0.15    | A                  |
| 121     | 77.754     | 1.436     | 1.14    | A                  |
| 122     | 78.1       | 5.3       | 1.06    | A                  |
| 123     | 73.6       | 1.0       | 2.00    | A                  |
| 126     | 85.1       | 3.6       | 0.40    | A                  |
| 128     | 74.6       | 2.3       | 1.80    | A                  |
| 132     | 89.2       | 5.4       | 1.25    | A                  |
| 136     | 83.4       | 6.9       | 0.04    | A                  |
| 140     | 85         | 5         | 0.38    | A                  |
| 143     | 74.20      | 0.86      | 1.88    | A                  |
| 147     | 74.15      | 1.92      | 1.89    | A                  |
| 148     | 76.5       | 1.1       | 1.40    | A                  |
| 153     | 82.1       | 2.5       | 0.23    | A                  |
| 155     | 73.98      | 0.86      | 1.92    | A                  |
| 156     | 84.3       | 5.1       | 0.23    | A                  |
| 157     | 78.5       | 4.6       | 0.98    | A                  |
| 158     | 84.45      | 5.146     | 0.26    | A                  |
| 162     | 84.5       | 5.21      | 0.27    | A                  |
| 168     | 75.55      | 0.938     | 1.60    | A                  |
| 169     | 7475.26    | 91.24     | 1543.23 | N                  |
| 172     | 86.50      | 2.48      | 0.69    | A                  |
| 175     | 73.8       | 3.7       | 1.96    | A                  |
| 178     | 84         | 5         | 0.17    | A                  |
| 187     | 85.3       | 6.7       | 0.44    | A                  |
| 191     | 86         | 7         | 0.58    | A                  |
| 196     | 78.07      | 2.22      | 1.07    | A                  |
| 198     | 75.40      | 1.12      | 1.63    | A                  |
| 201     | 87.8       | 5.3       | 0.96    | A                  |

TABLE 70. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 207     | 85.26      | 4.98      | 0.43    | A                  |
| 210     | 84.1       | 4.3       | 0.19    | A                  |
| 213     | 85         | 4         | 0.38    | A                  |
| 214     | 91         | 2.8       | 1.63    | A                  |
| 216     | 87.6       | 6.1       | 0.92    | A                  |
| 217     | 84.8       | 2.4       | 0.33    | A                  |
| 220     | 85.09      | 3.0       | 0.39    | A                  |
| 221     | 82.53      | 8.26      | 0.14    | A                  |
| 230     | 84.7       | 5.2       | 0.31    | A                  |
| 231     | 75         | 3.5       | 1.71    | A                  |
| 233     | 797        | 7.3       | 149.02  | N                  |
| 235     | 86.51      | 1.55      | 0.69    | A                  |
| 238     | 84.7       | 3.4       | 0.31    | A                  |
| 239     | 80.13      | 11.62     | 0.64    | A                  |
| 242     | 86.8       | 7.3       | 0.75    | A                  |
| 247     | 85.7       | 2.6       | 0.52    | A                  |
| 250     | 307.45     | 4.2       | 46.82   | N                  |
| 251     | 84.56      | 1.61      | 0.28    | A                  |
| 253     | 84.3       | 4.3       | 0.23    | A                  |
| 255     | 85.6       | 31.3      | 0.50    | A                  |
| 259     | 97.43      | 6.01      | 2.97    | W                  |
| 261     | 84.3       | 5.1       | 0.23    | A                  |
| 264     | 84.3       | 7.6       | 0.23    | A                  |
| 265     | 73.82      | 0.96      | 1.96    | A                  |
| 266     | 84.63      | 3.52      | 0.30    | A                  |
| 269     | 83.36      | 2.38      | 0.03    | A                  |
| 271     | 83.0       | 3.8       | 0.04    | A                  |
| 290     | 74.01      | 3.6       | 1.92    | A                  |
| 295     | 2.19       | 0.11      | 16.91   | N                  |
| 297     | 1.67       | 0.09      | 17.02   | N                  |
| 298     | 85.9       | 1.4       | 0.56    | A                  |
| 299     | 96.60      | 6.69      | 2.80    | W                  |
| 303     | 74.3       | 2.0       | 1.86    | A                  |
| 306     | 85         | 3         | 0.38    | A                  |
| 309     | 84.67      | 6.69      | 0.31    | A                  |
| 310     | 84         | 2.7       | 0.17    | A                  |
| 312     | 85.7       | 4.4       | 0.52    | A                  |

## Reported Results for Tl-208 Determination in Sample 7

TABLE 71. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 13.25 |
| Robust SD, Bq/kg   | 1.92  |
| N                  | 90    |

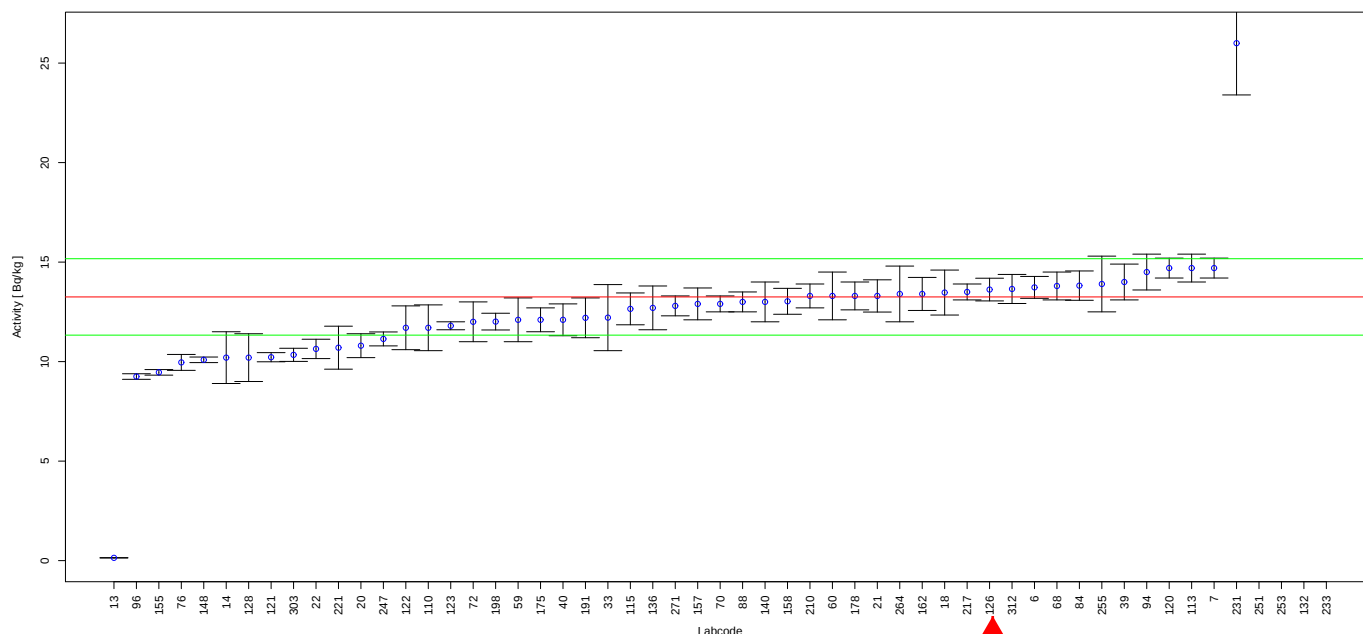


FIGURE 52. Reported results and evaluation parameters for Tl-208 in Sample 7.

TABLE 72. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 13.73      | 0.55      | 0.25    | A                  |
| 7       | 14.7       | 0.5       | 0.76    | A                  |
| 13      | 0.14       | 0.01      | 6.83    | N                  |
| 14      | 10.2       | 1.3       | 1.59    | A                  |
| 18      | 13.47      | 1.13      | 0.11    | A                  |
| 20      | 10.8       | 0.6       | 1.28    | A                  |
| 21      | 13.3       | 0.81      | 0.03    | A                  |
| 22      | 10.638     | 0.486     | 1.36    | A                  |
| 33      | 12.21      | 1.66      | 0.54    | A                  |
| 39      | 14.0       | 0.9       | 0.39    | A                  |
| 40      | 12.1       | 0.8       | 0.60    | A                  |
| 59      | 12.1       | 1.1       | 0.60    | A                  |
| 60      | 13.3       | 1.2       | 0.03    | A                  |
| 68      | 13.8       | 0.7       | 0.29    | A                  |
| 70      | 12.9       | 0.4       | 0.18    | A                  |
| 72      | 12         | 1         | 0.65    | A                  |
| 76      | 9.96       | 0.40      | 1.71    | A                  |
| 84      | 13.818     | 0.737     | 0.30    | A                  |
| 88      | 13.0       | 0.5       | 0.13    | A                  |
| 94      | 14.5       | 0.9       | 0.65    | A                  |
| 96      | 9.25       | 0.14      | 2.08    | W                  |

TABLE 72. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 110     | 11.7       | 1.15      | 0.81    | A                  |
| 113     | 14.7       | 0.7       | 0.76    | A                  |
| 115     | 12.65      | 0.80      | 0.31    | A                  |
| 120     | 14.7       | 0.5       | 0.76    | A                  |
| 121     | 10.221     | 0.230     | 1.58    | A                  |
| 122     | 11.7       | 1.1       | 0.81    | A                  |
| 123     | 11.8       | 0.2       | 0.76    | A                  |
| 126     | 13.62      | 0.57      | 0.19    | A                  |
| 128     | 10.2       | 1.2       | 1.59    | A                  |
| 132     | 43.9       | 1.9       | 15.96   | N                  |
| 136     | 12.7       | 1.1       | 0.29    | A                  |
| 140     | 13         | 1         | 0.13    | A                  |
| 148     | 10.09      | 0.14      | 1.65    | A                  |
| 155     | 9.46       | 0.14      | 1.97    | A                  |
| 157     | 12.9       | 0.8       | 0.18    | A                  |
| 158     | 13.03      | 0.651     | 0.11    | A                  |
| 162     | 13.4       | 0.83      | 0.08    | A                  |
| 175     | 12.1       | 0.6       | 0.60    | A                  |
| 178     | 13.3       | 0.7       | 0.03    | A                  |
| 191     | 12.2       | 1.0       | 0.55    | A                  |
| 198     | 12.01      | 0.42      | 0.65    | A                  |
| 210     | 13.3       | 0.6       | 0.03    | A                  |
| 217     | 13.5       | 0.40      | 0.13    | A                  |
| 221     | 10.7       | 1.08      | 1.33    | A                  |
| 231     | 26         | 2.6       | 6.64    | N                  |
| 233     | 104        | 0.73      | 47.27   | N                  |
| 247     | 11.14      | 0.35      | 1.10    | A                  |
| 251     | 35.12      | 1.11      | 11.39   | N                  |
| 253     | 39.4       | 1.4       | 13.62   | N                  |
| 255     | 13.9       | 1.4       | 0.34    | A                  |
| 264     | 13.4       | 1.4       | 0.08    | A                  |
| 271     | 12.8       | 0.5       | 0.23    | A                  |
| 303     | 10.34      | 0.33      | 1.52    | A                  |
| 312     | 13.65      | 0.73      | 0.21    | A                  |

## Reported Results for Pb-210 Determination in Sample 7

TABLE 73. Target values

| Parameter          | Value  |
|--------------------|--------|
| Robust Mean, Bq/kg | 621.79 |
| Robust SD, Bq/kg   | 80.1   |
| N                  | 126    |

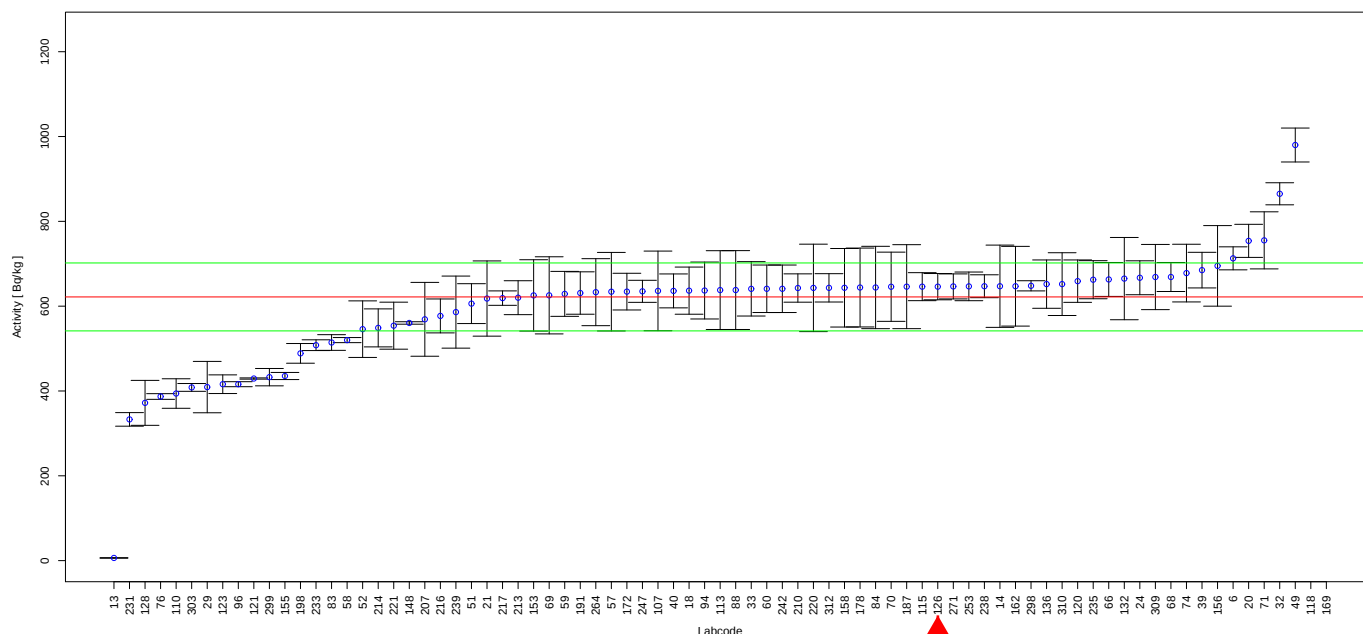


FIGURE 53. Reported results and evaluation parameters for Pb-210 in Sample 7.

TABLE 74. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 712.80     | 27.13     | 1.14    | A                  |
| 13      | 6.3        | 0.7       | 7.68    | N                  |
| 14      | 647        | 97        | 0.31    | A                  |
| 18      | 636.6      | 55.6      | 0.18    | A                  |
| 20      | 754        | 39        | 1.65    | A                  |
| 21      | 618        | 88.7      | 0.05    | A                  |
| 24      | 667        | 40        | 0.56    | A                  |
| 29      | 409.2      | 60.56     | 2.65    | W                  |
| 32      | 865        | 26        | 3.04    | N                  |
| 33      | 640.86     | 64.11     | 0.24    | A                  |
| 39      | 685        | 42        | 0.79    | A                  |
| 40      | 636        | 40        | 0.18    | A                  |
| 49      | 980        | 40        | 4.47    | N                  |
| 51      | 606        | 47        | 0.20    | A                  |
| 52      | 545.79     | 66.7      | 0.95    | A                  |
| 57      | 634.15     | 92.59     | 0.15    | A                  |
| 58      | 520        | 6         | 1.27    | A                  |
| 59      | 629        | 53        | 0.09    | A                  |
| 60      | 641        | 56        | 0.24    | A                  |
| 66      | 663        | 40        | 0.51    | A                  |
| 68      | 668.8      | 34.2      | 0.59    | A                  |

TABLE 74. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 69      | 625.54     | 90.93     | 0.05    | A                  |
| 70      | 645.8      | 81.6      | 0.30    | A                  |
| 71      | 755.2      | 67.3      | 1.67    | A                  |
| 74      | 678        | 68        | 0.70    | A                  |
| 76      | 387        | 6.70      | 2.93    | W                  |
| 83      | 514.3      | 18.5      | 1.34    | A                  |
| 84      | 644.053    | 97.092    | 0.28    | A                  |
| 88      | 638        | 93        | 0.20    | A                  |
| 94      | 636.9      | 67.1      | 0.19    | A                  |
| 96      | 416        | 5.9       | 2.57    | W                  |
| 107     | 636        | 93.9      | 0.18    | A                  |
| 110     | 394        | 34.8      | 2.84    | W                  |
| 113     | 637.9      | 92.9      | 0.20    | A                  |
| 115     | 646        | 33        | 0.30    | A                  |
| 118     | 1750       | 150       | 14.09   | N                  |
| 120     | 659        | 50        | 0.46    | A                  |
| 121     | 429.409    | 1.458     | 2.40    | W                  |
| 123     | 416.0      | 22.0      | 2.57    | W                  |
| 126     | 646        | 31        | 0.30    | A                  |
| 128     | 372        | 53        | 3.12    | N                  |
| 132     | 665        | 97        | 0.54    | A                  |
| 136     | 652        | 57        | 0.38    | A                  |
| 148     | 560.4      | 2.9       | 0.77    | A                  |
| 153     | 625.4      | 84.1      | 0.05    | A                  |
| 155     | 435.33     | 8.39      | 2.33    | W                  |
| 156     | 695        | 95        | 0.91    | A                  |
| 158     | 643.38     | 92.584    | 0.27    | A                  |
| 162     | 647        | 94        | 0.31    | A                  |
| 169     | 47801.17   | 1784.20   | 589.01  | N                  |
| 172     | 634.30     | 43.26     | 0.16    | A                  |
| 178     | 644        | 93        | 0.28    | A                  |
| 187     | 646        | 99        | 0.30    | A                  |
| 191     | 631        | 50        | 0.11    | A                  |
| 198     | 488.70     | 23.23     | 1.66    | A                  |
| 207     | 569.00     | 87.06     | 0.66    | A                  |
| 210     | 642.8      | 33.4      | 0.26    | A                  |
| 213     | 620        | 40        | 0.02    | A                  |
| 214     | 548.8      | 44.8      | 0.91    | A                  |
| 216     | 577        | 40        | 0.56    | A                  |
| 217     | 619        | 17        | 0.03    | A                  |
| 220     | 643.1      | 103.1     | 0.27    | A                  |
| 221     | 554.00     | 55.42     | 0.85    | A                  |
| 231     | 333        | 16        | 3.61    | N                  |
| 233     | 508        | 12.7      | 1.42    | A                  |
| 235     | 662.4      | 44.9      | 0.51    | A                  |
| 238     | 647        | 27        | 0.31    | A                  |
| 239     | 586        | 84.97     | 0.45    | A                  |
| 242     | 641        | 56        | 0.24    | A                  |
| 247     | 635        | 26        | 0.16    | A                  |
| 253     | 646.7      | 33.8      | 0.31    | A                  |
| 264     | 633        | 79        | 0.14    | A                  |
| 271     | 646.6      | 29.5      | 0.31    | A                  |
| 298     | 648        | 12        | 0.33    | A                  |
| 299     | 432.60     | 20.45     | 2.36    | W                  |

TABLE 74. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 303     | 408.4      | 9.2       | 2.66    | W                  |
| 309     | 668.7      | 76.85     | 0.59    | A                  |
| 310     | 652        | 74        | 0.38    | A                  |
| 312     | 643.2      | 33.4      | 0.27    | A                  |

## Reported Results for Pb-212 Determination in Sample 7

TABLE 75. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 38.24 |
| Robust SD, Bq/kg   | 3.99  |
| N                  | 96    |

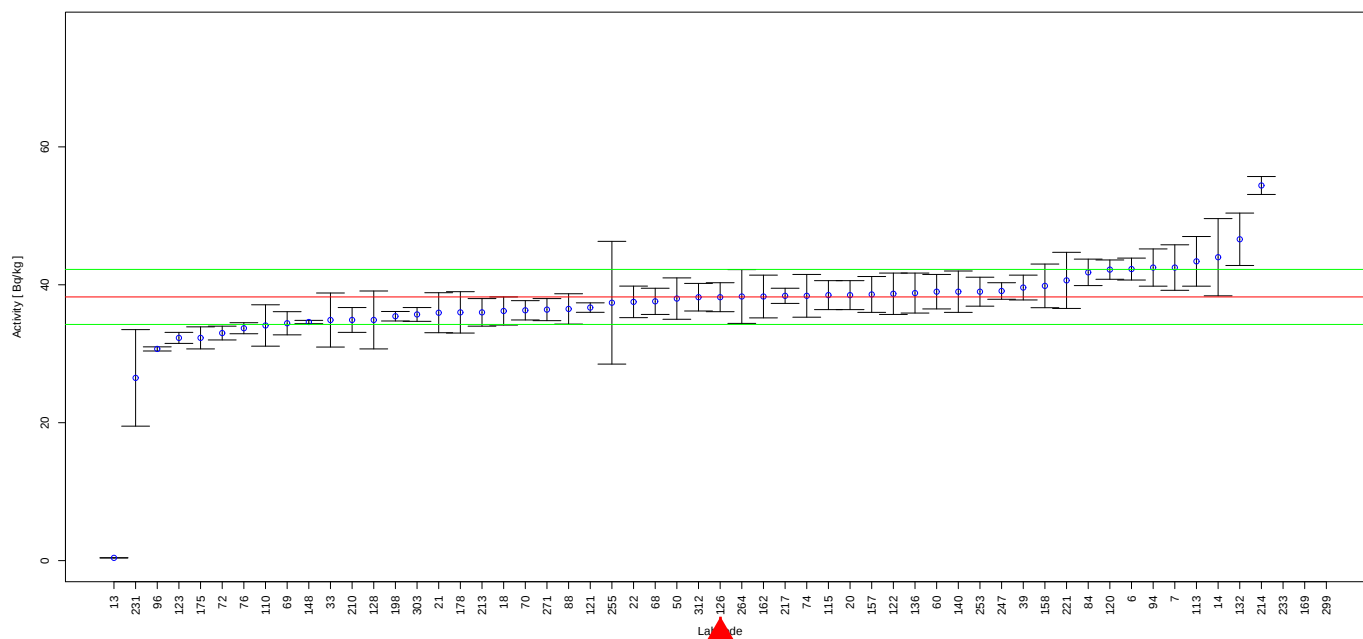


FIGURE 54. Reported results and evaluation parameters for Pb-212 in Sample 7.

TABLE 76. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 42.28      | 1.59      | 1.01    | A                  |
| 7       | 42.5       | 3.3       | 1.07    | A                  |
| 13      | 0.4        | 0.02      | 9.48    | N                  |
| 14      | 44.0       | 5.6       | 1.44    | A                  |
| 18      | 36.20      | 2.04      | 0.51    | A                  |
| 20      | 38.5       | 2.1       | 0.07    | A                  |
| 21      | 35.95      | 2.90      | 0.57    | A                  |
| 22      | 37.523     | 2.288     | 0.18    | A                  |
| 33      | 34.89      | 3.92      | 0.84    | A                  |
| 39      | 39.6       | 1.8       | 0.34    | A                  |
| 50      | 38         | 3         | 0.06    | A                  |
| 60      | 39.0       | 2.5       | 0.19    | A                  |
| 68      | 37.6       | 1.9       | 0.16    | A                  |
| 69      | 34.42      | 1.68      | 0.96    | A                  |
| 70      | 36.3       | 1.4       | 0.49    | A                  |
| 72      | 33         | 1         | 1.31    | A                  |
| 74      | 38.4       | 3.1       | 0.04    | A                  |
| 76      | 33.7       | 0.80      | 1.14    | A                  |
| 84      | 41.804     | 1.919     | 0.89    | A                  |
| 88      | 36.5       | 2.2       | 0.44    | A                  |
| 94      | 42.5       | 2.7       | 1.07    | A                  |

TABLE 76. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score  | Z-Score Evaluation |
|---------|------------|-----------|----------|--------------------|
| 96      | 30.7       | 0.3       | 1.89     | A                  |
| 110     | 34.1       | 3.00      | 1.04     | A                  |
| 113     | 43.4       | 3.6       | 1.29     | A                  |
| 115     | 38.5       | 2.1       | 0.07     | A                  |
| 120     | 42.2       | 1.4       | 0.99     | A                  |
| 121     | 36.696     | 0.687     | 0.39     | A                  |
| 122     | 38.7       | 3.0       | 0.12     | A                  |
| 123     | 32.3       | 0.8       | 1.49     | A                  |
| 126     | 38.2       | 2.1       | 0.01     | A                  |
| 128     | 34.9       | 4.2       | 0.84     | A                  |
| 132     | 46.6       | 3.8       | 2.10     | W                  |
| 136     | 38.8       | 2.9       | 0.14     | A                  |
| 140     | 39         | 3         | 0.19     | A                  |
| 148     | 34.60      | 0.24      | 0.91     | A                  |
| 157     | 38.6       | 2.6       | 0.09     | A                  |
| 158     | 39.842     | 3.165     | 0.40     | A                  |
| 162     | 38.3       | 3.1       | 0.02     | A                  |
| 169     | 2791.38    | 36.50     | 690.01   | N                  |
| 175     | 32.3       | 1.6       | 1.49     | A                  |
| 178     | 36         | 3         | 0.56     | A                  |
| 198     | 35.44      | 0.69      | 0.70     | A                  |
| 210     | 34.9       | 1.8       | 0.84     | A                  |
| 213     | 36         | 2         | 0.56     | A                  |
| 214     | 54.4       | 1.3       | 4.05     | N                  |
| 217     | 38.4       | 1.1       | 0.04     | A                  |
| 221     | 40.64      | 4.07      | 0.60     | A                  |
| 231     | 26.5       | 7         | 2.94     | W                  |
| 233     | 214        | 1.49      | 44.05    | N                  |
| 247     | 39.1       | 1.2       | 0.22     | A                  |
| 253     | 39.0       | 2.1       | 0.19     | A                  |
| 255     | 37.4       | 8.9       | 0.21     | A                  |
| 264     | 38.3       | 3.9       | 0.02     | A                  |
| 271     | 36.4       | 1.6       | 0.46     | A                  |
| 299     | 53800.00   | 4860.00   | 13474.13 | N                  |
| 303     | 35.7       | 1.0       | 0.64     | A                  |
| 312     | 38.2       | 2.0       | 0.01     | A                  |

## Reported Results for Bi-212 Determination in Sample 7

TABLE 77. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 39.39 |
| Robust SD, Bq/kg   | 5.02  |
| N                  | 81    |

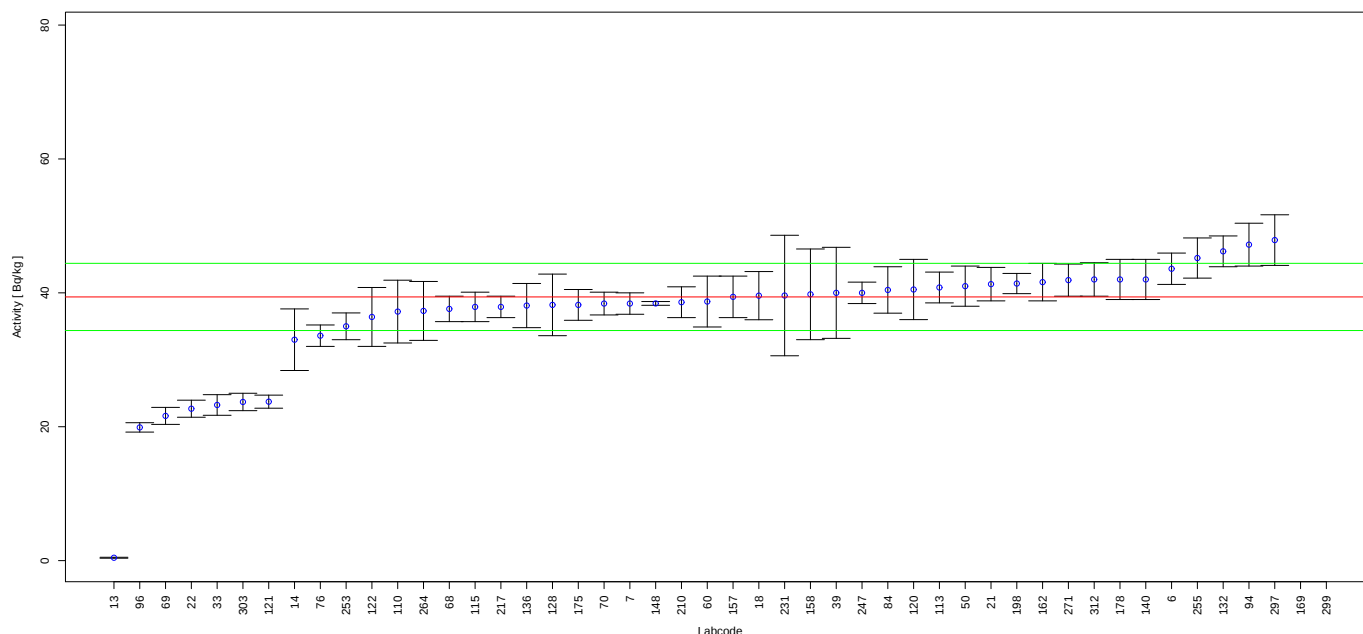


FIGURE 55. Reported results and evaluation parameters for Bi-212 in Sample 7.

TABLE 78. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 43.60      | 2.34      | 0.84    | A                  |
| 7       | 38.4       | 1.6       | 0.20    | A                  |
| 13      | 0.43       | 0.07      | 7.76    | N                  |
| 14      | 33.0       | 4.6       | 1.27    | A                  |
| 18      | 39.58      | 3.60      | 0.04    | A                  |
| 21      | 41.3       | 2.5       | 0.38    | A                  |
| 22      | 22.692     | 1.273     | 3.33    | N                  |
| 33      | 23.25      | 1.54      | 3.22    | N                  |
| 39      | 40.0       | 6.8       | 0.12    | A                  |
| 50      | 41         | 3         | 0.32    | A                  |
| 60      | 38.7       | 3.8       | 0.14    | A                  |
| 68      | 37.6       | 1.9       | 0.36    | A                  |
| 69      | 21.62      | 1.27      | 3.54    | N                  |
| 70      | 38.4       | 1.7       | 0.20    | A                  |
| 76      | 33.6       | 1.60      | 1.15    | A                  |
| 84      | 40.431     | 3.467     | 0.21    | A                  |
| 94      | 47.2       | 3.2       | 1.56    | A                  |
| 96      | 19.9       | 0.7       | 3.88    | N                  |
| 110     | 37.2       | 4.69      | 0.44    | A                  |
| 113     | 40.8       | 2.3       | 0.28    | A                  |
| 115     | 37.9       | 2.2       | 0.30    | A                  |

TABLE 78. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score    | Z-Score Evaluation |
|---------|------------|-----------|------------|--------------------|
| 120     | 40.5       | 4.5       | 0.22       | A                  |
| 121     | 23.744     | 0.976     | 3.12       | N                  |
| 122     | 36.4       | 4.4       | 0.60       | A                  |
| 128     | 38.2       | 4.6       | 0.24       | A                  |
| 132     | 46.2       | 2.3       | 1.36       | A                  |
| 136     | 38.1       | 3.3       | 0.26       | A                  |
| 140     | 42         | 3         | 0.52       | A                  |
| 148     | 38.42      | 0.28      | 0.19       | A                  |
| 157     | 39.4       | 3.1       | 0.00       | A                  |
| 158     | 39.778     | 6.775     | 0.08       | A                  |
| 162     | 41.6       | 2.8       | 0.44       | A                  |
| 169     | 2038.03    | 42.77     | 398.14     | N                  |
| 175     | 38.2       | 2.3       | 0.24       | A                  |
| 178     | 42         | 3         | 0.52       | A                  |
| 198     | 41.39      | 1.51      | 0.40       | A                  |
| 210     | 38.6       | 2.3       | 0.16       | A                  |
| 217     | 37.9       | 1.6       | 0.30       | A                  |
| 231     | 39.6       | 9         | 0.04       | A                  |
| 247     | 40.0       | 1.6       | 0.12       | A                  |
| 253     | 35.0       | 2.0       | 0.87       | A                  |
| 255     | 45.2       | 3.0       | 1.16       | A                  |
| 264     | 37.3       | 4.4       | 0.42       | A                  |
| 271     | 41.9       | 2.4       | 0.50       | A                  |
| 297     | 47.88      | 3.78      | 1.69       | A                  |
| 299     | 7070000.00 | 428000.00 | 1408358.69 | N                  |
| 303     | 23.7       | 1.3       | 3.13       | N                  |
| 312     | 42.0       | 2.5       | 0.52       | A                  |

## Reported Results for Bi-214 Determination in Sample 7

TABLE 79. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 31.49 |
| Robust SD, Bq/kg   | 3.39  |
| N                  | 100   |

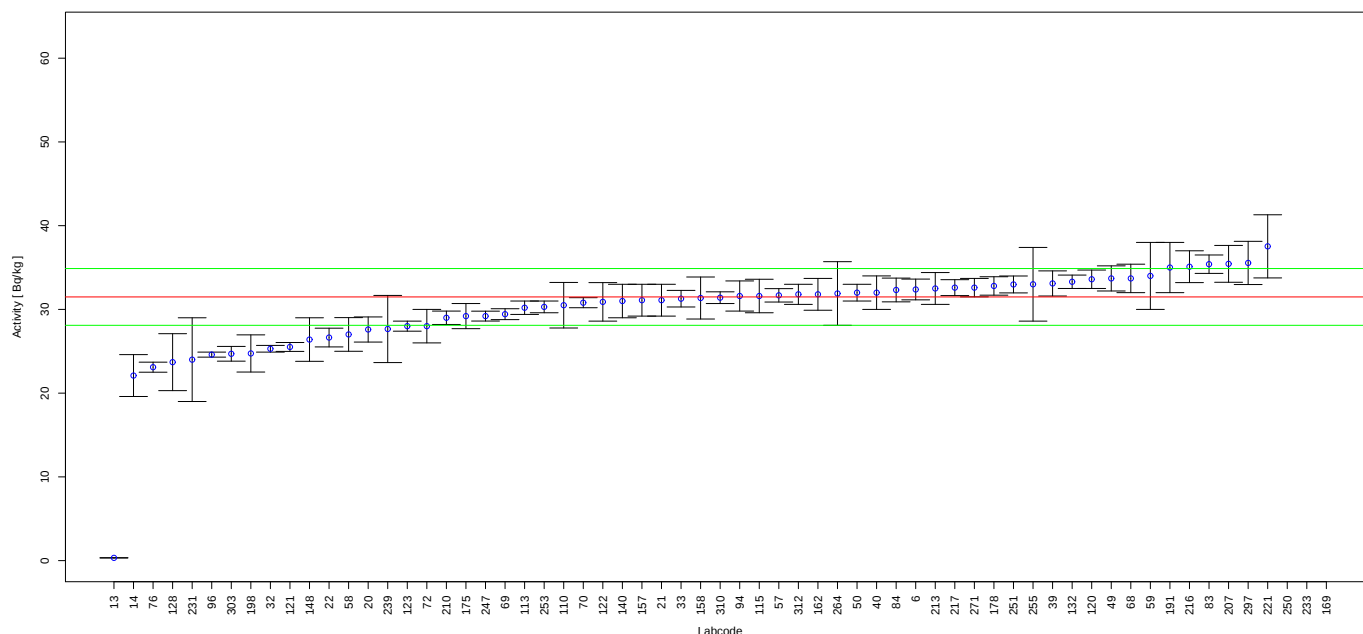


FIGURE 56. Reported results and evaluation parameters for Bi-214 in Sample 7.

TABLE 80. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 32.38      | 1.24      | 0.26    | A                  |
| 13      | 0.33       | 0.02      | 9.19    | N                  |
| 14      | 22.1       | 2.5       | 2.77    | W                  |
| 20      | 27.6       | 1.5       | 1.15    | A                  |
| 21      | 31.1       | 1.9       | 0.12    | A                  |
| 22      | 26.639     | 1.118     | 1.43    | A                  |
| 32      | 25.3       | 0.4       | 1.83    | A                  |
| 33      | 31.28      | 0.99      | 0.06    | A                  |
| 39      | 33.1       | 1.5       | 0.47    | A                  |
| 40      | 32         | 2         | 0.15    | A                  |
| 49      | 33.7       | 1.5       | 0.65    | A                  |
| 50      | 32         | 1         | 0.15    | A                  |
| 57      | 31.68      | 0.80      | 0.06    | A                  |
| 58      | 27.01      | 2.01      | 1.32    | A                  |
| 59      | 34         | 4         | 0.74    | A                  |
| 68      | 33.7       | 1.7       | 0.65    | A                  |
| 69      | 29.43      | 0.65      | 0.61    | A                  |
| 70      | 30.8       | 0.6       | 0.20    | A                  |
| 72      | 28         | 2         | 1.03    | A                  |
| 76      | 23.1       | 0.60      | 2.47    | W                  |
| 83      | 35.4       | 1.1       | 1.15    | A                  |

TABLE 80. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 84      | 32.320     | 1.418     | 0.24    | A                  |
| 94      | 31.6       | 1.8       | 0.03    | A                  |
| 96      | 24.6       | 0.3       | 2.03    | W                  |
| 110     | 30.5       | 2.72      | 0.29    | A                  |
| 113     | 30.2       | 0.8       | 0.38    | A                  |
| 115     | 31.6       | 2.0       | 0.03    | A                  |
| 120     | 33.6       | 1.1       | 0.62    | A                  |
| 121     | 25.515     | 0.531     | 1.76    | A                  |
| 122     | 30.9       | 2.3       | 0.17    | A                  |
| 123     | 28.0       | 0.6       | 1.03    | A                  |
| 128     | 23.7       | 3.4       | 2.30    | W                  |
| 132     | 33.3       | 0.8       | 0.53    | A                  |
| 140     | 31         | 2         | 0.14    | A                  |
| 148     | 26.4       | 2.6       | 1.50    | A                  |
| 157     | 31.1       | 1.9       | 0.12    | A                  |
| 158     | 31.360     | 2.509     | 0.04    | A                  |
| 162     | 31.8       | 1.9       | 0.09    | A                  |
| 169     | 2588.92    | 30.97     | 754.40  | N                  |
| 175     | 29.2       | 1.5       | 0.68    | A                  |
| 178     | 32.8       | 1.1       | 0.39    | A                  |
| 191     | 35         | 3         | 1.04    | A                  |
| 198     | 24.74      | 2.22      | 1.99    | A                  |
| 207     | 35.44      | 2.20      | 1.17    | A                  |
| 210     | 29.0       | 0.8       | 0.73    | A                  |
| 213     | 32.5       | 1.9       | 0.30    | A                  |
| 216     | 35.1       | 1.9       | 1.06    | A                  |
| 217     | 32.6       | 0.95      | 0.33    | A                  |
| 221     | 37.53      | 3.77      | 1.78    | A                  |
| 231     | 24         | 5         | 2.21    | W                  |
| 233     | 286        | 6.6       | 75.08   | N                  |
| 239     | 27.66      | 4.01      | 1.13    | A                  |
| 247     | 29.20      | 0.59      | 0.68    | A                  |
| 250     | 118.27     | 1.83      | 25.60   | N                  |
| 251     | 32.98      | 1.01      | 0.44    | A                  |
| 253     | 30.3       | 0.7       | 0.35    | A                  |
| 255     | 33.0       | 4.4       | 0.45    | A                  |
| 264     | 31.9       | 3.8       | 0.12    | A                  |
| 271     | 32.6       | 1.1       | 0.33    | A                  |
| 297     | 35.55      | 2.58      | 1.20    | A                  |
| 303     | 24.70      | 0.88      | 2.00    | A                  |
| 310     | 31.4       | 0.7       | 0.03    | A                  |
| 312     | 31.8       | 1.2       | 0.09    | A                  |

## Reported Results for Pb-214 Determination in Sample 7

TABLE 81. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 32.86 |
| Robust SD, Bq/kg   | 2.5   |
| N                  | 94    |

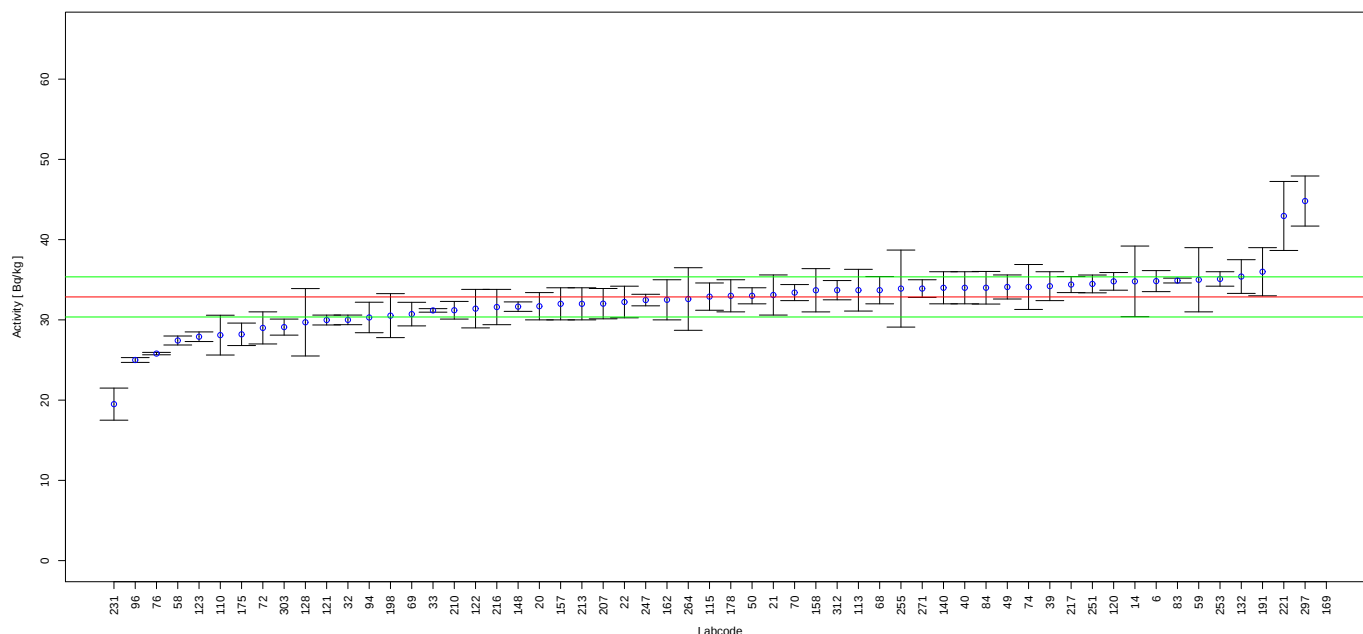


FIGURE 57. Reported results and evaluation parameters for Pb-214 in Sample 7.

TABLE 82. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 34.83      | 1.31      | 0.79    | A                  |
| 14      | 34.8       | 4.4       | 0.78    | A                  |
| 20      | 31.7       | 1.7       | 0.46    | A                  |
| 21      | 33.1       | 2.5       | 0.10    | A                  |
| 22      | 32.228     | 1.971     | 0.25    | A                  |
| 32      | 30.0       | 0.6       | 1.14    | A                  |
| 33      | 31.18      | 0.22      | 0.67    | A                  |
| 39      | 34.2       | 1.8       | 0.54    | A                  |
| 40      | 34         | 2         | 0.46    | A                  |
| 49      | 34.1       | 1.5       | 0.50    | A                  |
| 50      | 33         | 1         | 0.06    | A                  |
| 58      | 27.43      | 0.56      | 2.17    | W                  |
| 59      | 35         | 4         | 0.86    | A                  |
| 68      | 33.7       | 1.7       | 0.34    | A                  |
| 69      | 30.72      | 1.47      | 0.86    | A                  |
| 70      | 33.4       | 1         | 0.22    | A                  |
| 72      | 29         | 2         | 1.54    | A                  |
| 74      | 34.1       | 2.8       | 0.50    | A                  |
| 76      | 25.8       | 0.15      | 2.82    | W                  |
| 83      | 34.9       | 0.3       | 0.82    | A                  |
| 84      | 34.003     | 2.031     | 0.46    | A                  |

TABLE 82. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 94      | 30.3       | 1.9       | 1.02    | A                  |
| 96      | 25.0       | 0.3       | 3.14    | N                  |
| 110     | 28.1       | 2.48      | 1.90    | A                  |
| 113     | 33.7       | 2.6       | 0.34    | A                  |
| 115     | 32.9       | 1.7       | 0.02    | A                  |
| 120     | 34.8       | 1.1       | 0.78    | A                  |
| 121     | 29.981     | 0.616     | 1.15    | A                  |
| 122     | 31.4       | 2.4       | 0.58    | A                  |
| 123     | 27.9       | 0.6       | 1.98    | A                  |
| 128     | 29.7       | 4.2       | 1.26    | A                  |
| 132     | 35.4       | 2.1       | 1.02    | A                  |
| 140     | 34         | 2         | 0.46    | A                  |
| 148     | 31.65      | 0.59      | 0.48    | A                  |
| 157     | 32.0       | 2.0       | 0.34    | A                  |
| 158     | 33.69      | 2.695     | 0.33    | A                  |
| 162     | 32.5       | 2.5       | 0.14    | A                  |
| 169     | 2769.54    | 34.55     | 1094.67 | N                  |
| 175     | 28.2       | 1.4       | 1.86    | A                  |
| 178     | 33.0       | 2.0       | 0.06    | A                  |
| 191     | 36         | 3         | 1.26    | A                  |
| 198     | 30.53      | 2.74      | 0.93    | A                  |
| 207     | 32.02      | 1.89      | 0.34    | A                  |
| 210     | 31.2       | 1.1       | 0.66    | A                  |
| 213     | 32         | 2         | 0.34    | A                  |
| 216     | 31.6       | 2.2       | 0.50    | A                  |
| 217     | 34.4       | 1.0       | 0.62    | A                  |
| 221     | 42.95      | 4.30      | 4.04    | N                  |
| 231     | 19.5       | 2         | 5.34    | N                  |
| 247     | 32.47      | 0.72      | 0.16    | A                  |
| 251     | 34.48      | 1.11      | 0.65    | A                  |
| 253     | 35.1       | 0.9       | 0.90    | A                  |
| 255     | 33.9       | 4.8       | 0.42    | A                  |
| 264     | 32.6       | 3.9       | 0.10    | A                  |
| 271     | 33.9       | 1.1       | 0.42    | A                  |
| 297     | 44.81      | 3.12      | 4.78    | N                  |
| 303     | 29.1       | 1.0       | 1.50    | A                  |
| 312     | 33.7       | 1.2       | 0.34    | A                  |

## Reported Results for Ra-224 Determination in Sample 7

TABLE 83. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 39.91 |
| Robust SD, Bq/kg   | 5.74  |
| N                  | 27    |

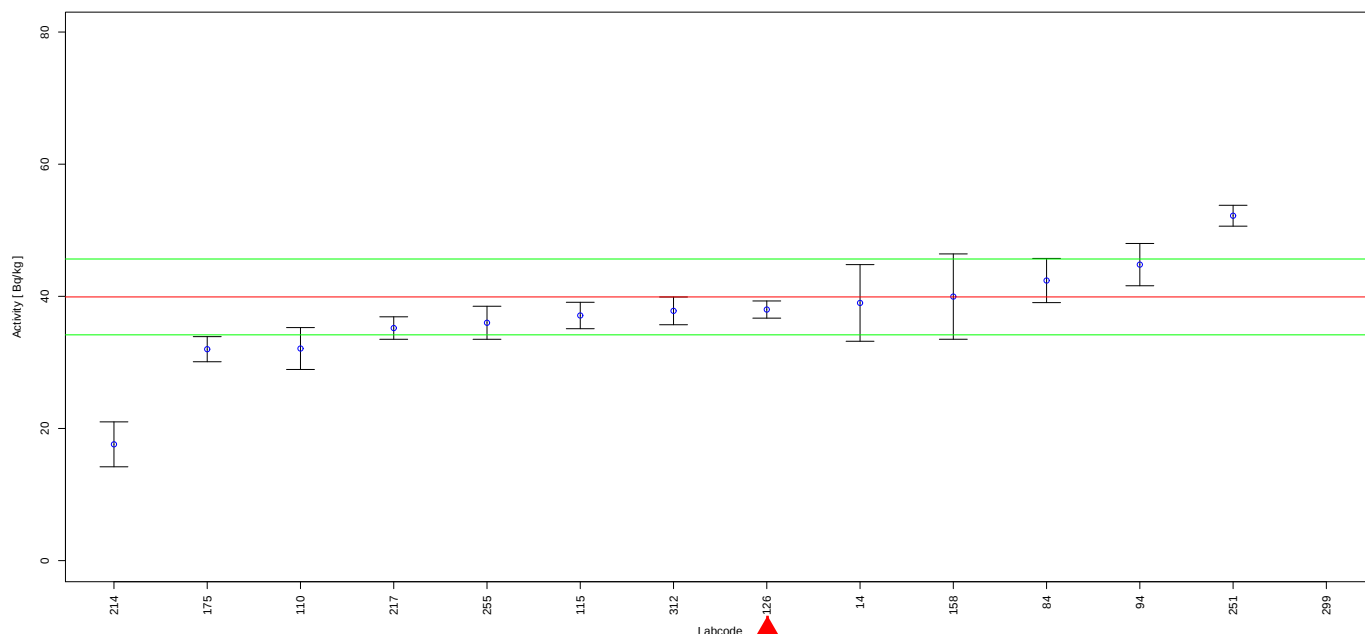


FIGURE 58. Reported results and evaluation parameters for Ra-224 in Sample 7.

TABLE 84. IC Evaluation Results for Ra-224 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 14      | 39.0       | 5.8       | 0.16    |
| 84      | 42.393     | 3.344     | 0.43    |
| 94      | 44.8       | 3.2       | 0.85    |
| 110     | 32.1       | 3.17      | 1.36    |
| 115     | 37.1       | 2.0       | 0.49    |
| 126     | 38         | 1.3       | 0.33    |
| 158     | 39.962     | 6.458     | 0.01    |
| 175     | 32.0       | 1.9       | 1.38    |
| 214     | 17.6       | 3.4       | 3.89    |
| 217     | 35.2       | 1.7       | 0.82    |
| 251     | 52.20      | 1.58      | 2.14    |
| 255     | 36.0       | 2.5       | 0.68    |
| 299     | 2430.00    | 257.00    | 416.39  |
| 312     | 37.8       | 2.1       | 0.37    |

## Reported Results for Ra-226 Determination in Sample 7

TABLE 85. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 38    |
| Robust SD, Bq/kg   | 10.91 |
| N                  | 146   |

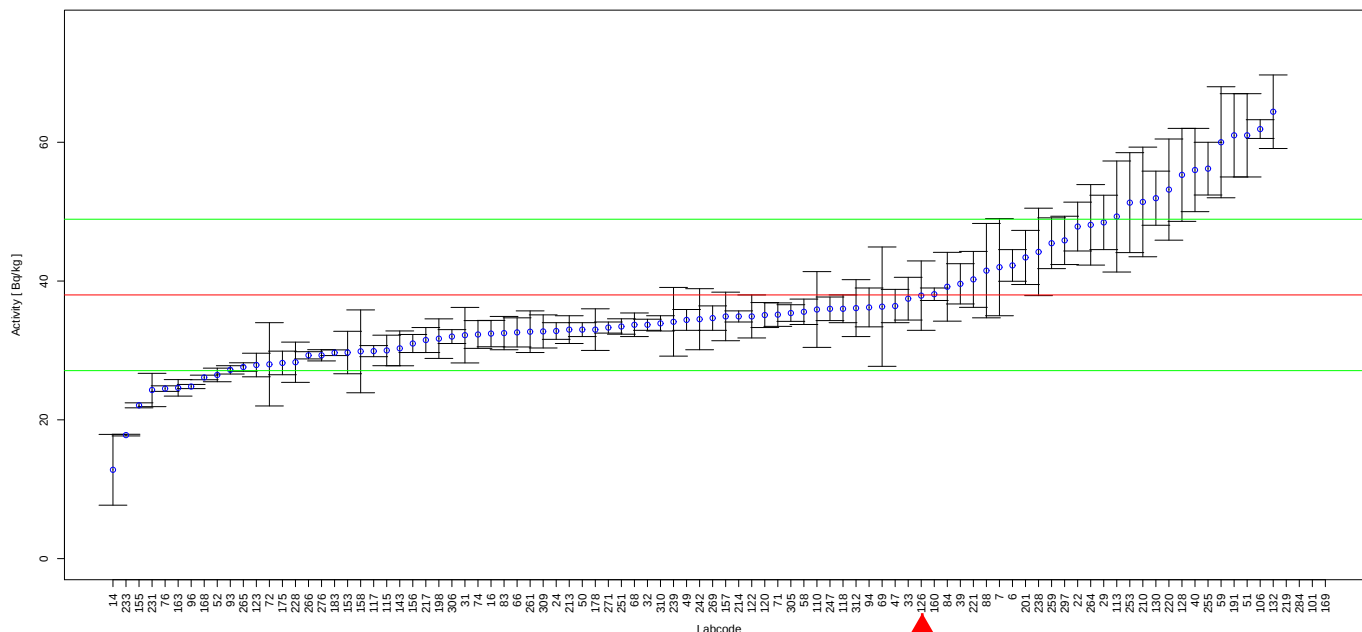


FIGURE 59. Reported results and evaluation parameters for Ra-226 in Sample 7.

TABLE 86. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 42.25      | 2.28      | 0.39    | A                  |
| 7       | 42         | 7         | 0.37    | A                  |
| 14      | 12.8       | 5.1       | 2.31    | W                  |
| 16      | 32.43      | 1.9       | 0.51    | A                  |
| 22      | 47.852     | 3.519     | 0.90    | A                  |
| 24      | 32.8       | 1.2       | 0.48    | A                  |
| 29      | 48.45      | 3.92      | 0.96    | A                  |
| 31      | 32.2       | 4.0       | 0.53    | A                  |
| 32      | 33.7       | 0.8       | 0.39    | A                  |
| 33      | 37.46      | 3.08      | 0.05    | A                  |
| 39      | 39.6       | 2.9       | 0.15    | A                  |
| 40      | 56         | 6         | 1.65    | A                  |
| 47      | 36.4       | 2.4       | 0.15    | A                  |
| 49      | 34.4       | 1.5       | 0.33    | A                  |
| 50      | 33         | 1         | 0.46    | A                  |
| 51      | 61         | 6         | 2.11    | W                  |
| 52      | 26.47      | 0.98      | 1.06    | A                  |
| 58      | 35.57      | 1.83      | 0.22    | A                  |
| 59      | 60         | 8         | 2.02    | W                  |
| 66      | 32.6       | 2.1       | 0.49    | A                  |
| 68      | 33.7       | 1.7       | 0.39    | A                  |

TABLE 86. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 69      | 36.31      | 8.60      | 0.15    | A                  |
| 71      | 35.16      | 1.69      | 0.26    | A                  |
| 72      | 28         | 6         | 0.92    | A                  |
| 74      | 32.3       | 2.0       | 0.52    | A                  |
| 76      | 24.5       | 0.40      | 1.24    | A                  |
| 83      | 32.5       | 2.4       | 0.50    | A                  |
| 84      | 39.179     | 4.958     | 0.11    | A                  |
| 88      | 41.5       | 6.8       | 0.32    | A                  |
| 93      | 27.2       | 0.6       | 0.99    | A                  |
| 94      | 36.2       | 2.8       | 0.16    | A                  |
| 96      | 24.8       | 0.3       | 1.21    | A                  |
| 101     | 94.5       | 4         | 5.18    | N                  |
| 106     | 61.90      | 1.35      | 2.19    | W                  |
| 110     | 35.9       | 5.46      | 0.19    | A                  |
| 113     | 49.3       | 8.0       | 1.04    | A                  |
| 115     | 30.0       | 2.2       | 0.73    | A                  |
| 117     | 29.9       | 0.8       | 0.74    | A                  |
| 118     | 36         | 2         | 0.18    | A                  |
| 120     | 35.1       | 1.8       | 0.27    | A                  |
| 122     | 34.9       | 3.1       | 0.28    | A                  |
| 123     | 27.9       | 1.7       | 0.93    | A                  |
| 126     | 37.9       | 5         | 0.01    | A                  |
| 128     | 55.3       | 6.7       | 1.59    | A                  |
| 130     | 51.94      | 3.9       | 1.28    | A                  |
| 132     | 64.4       | 5.30      | 2.42    | W                  |
| 143     | 30.30      | 2.51      | 0.71    | A                  |
| 153     | 29.7       | 3.06      | 0.76    | A                  |
| 155     | 22.09      | 0.36      | 1.46    | A                  |
| 156     | 31.0       | 1.3       | 0.64    | A                  |
| 157     | 34.9       | 3.5       | 0.28    | A                  |
| 158     | 29.870     | 5.970     | 0.75    | A                  |
| 160     | 38.1       | 0.9       | 0.01    | A                  |
| 163     | 24.61      | 1.19      | 1.23    | A                  |
| 168     | 26.11      | 0.33      | 1.09    | A                  |
| 169     | 2769.54    | 34.55     | 250.37  | N                  |
| 175     | 28.2       | 1.7       | 0.90    | A                  |
| 178     | 33         | 3         | 0.46    | A                  |
| 183     | 29.67      | 0.41      | 0.76    | A                  |
| 191     | 61         | 6         | 2.11    | W                  |
| 198     | 31.70      | 2.85      | 0.58    | A                  |
| 201     | 43.4       | 3.9       | 0.49    | A                  |
| 210     | 51.4       | 7.9       | 1.23    | A                  |
| 213     | 33         | 2         | 0.46    | A                  |
| 214     | 34.9       | 0.8       | 0.28    | A                  |
| 217     | 31.5       | 1.8       | 0.60    | A                  |
| 219     | 81.8       | 2.6       | 4.01    | N                  |
| 220     | 53.18      | 7.29      | 1.39    | A                  |
| 221     | 40.24      | 4.03      | 0.21    | A                  |
| 228     | 28.3       | 2.9       | 0.89    | A                  |
| 231     | 24.3       | 2.4       | 1.26    | A                  |
| 233     | 17.8       | 0.12      | 1.85    | A                  |
| 238     | 44.2       | 6.3       | 0.57    | A                  |
| 239     | 34.13      | 4.95      | 0.35    | A                  |
| 242     | 34.5       | 4.4       | 0.32    | A                  |

TABLE 86. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 247     | 36.0       | 1.7       | 0.18    | A                  |
| 251     | 33.45      | 1.11      | 0.42    | A                  |
| 253     | 51.3       | 7.2       | 1.22    | A                  |
| 255     | 56.2       | 3.8       | 1.67    | A                  |
| 259     | 45.45      | 3.66      | 0.68    | A                  |
| 261     | 32.7       | 3.0       | 0.49    | A                  |
| 264     | 48.1       | 5.8       | 0.93    | A                  |
| 265     | 27.61      | 0.61      | 0.95    | A                  |
| 266     | 29.30      | 0.52      | 0.80    | A                  |
| 269     | 34.66      | 1.76      | 0.31    | A                  |
| 271     | 33.3       | 0.8       | 0.43    | A                  |
| 276     | 29.3       | 0.81      | 0.80    | A                  |
| 284     | 92.827     | 3.765     | 5.03    | N                  |
| 297     | 45.86      | 3.48      | 0.72    | A                  |
| 305     | 35.3891    | 1.1988    | 0.24    | A                  |
| 306     | 32         | 1         | 0.55    | A                  |
| 309     | 32.74      | 2.386     | 0.48    | A                  |
| 310     | 33.9       | 1.1       | 0.38    | A                  |
| 312     | 36.1       | 4.1       | 0.17    | A                  |

## Reported Results for Ac-227 Determination in Sample 7

TABLE 87. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 1.56  |
| Robust SD, Bq/kg   | 0.21  |
| N                  | 5     |

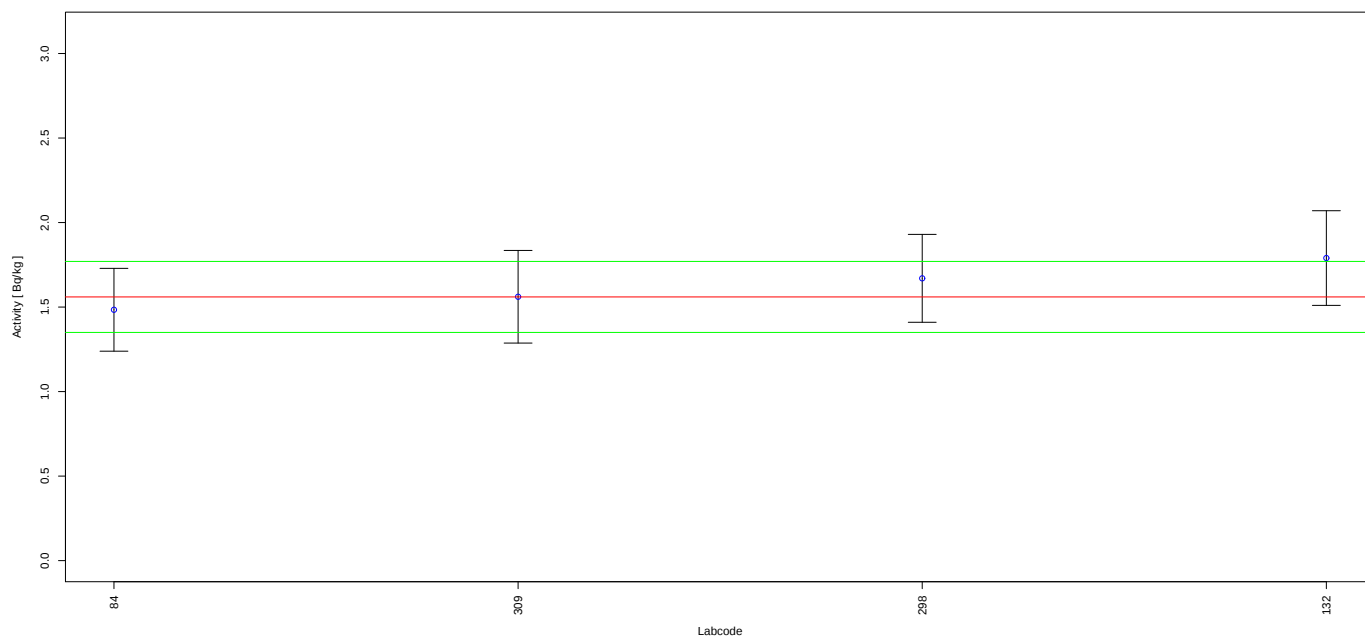


FIGURE 60. Reported results and evaluation parameters for Ac-227 in Sample 7.

TABLE 88. IC Evaluation Results for Ac-227 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 84      | 1.484      | 0.245     | 0.36    |
| 132     | 1.79       | 0.28      | 1.10    |
| 298     | 1.67       | 0.26      | 0.52    |
| 309     | 1.561      | 0.274     | 0.00    |

## Reported Results for Th-227 Determination in Sample 7

TABLE 89. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 1.65  |
| Robust SD, Bq/kg   | 0.41  |
| N                  | 15    |

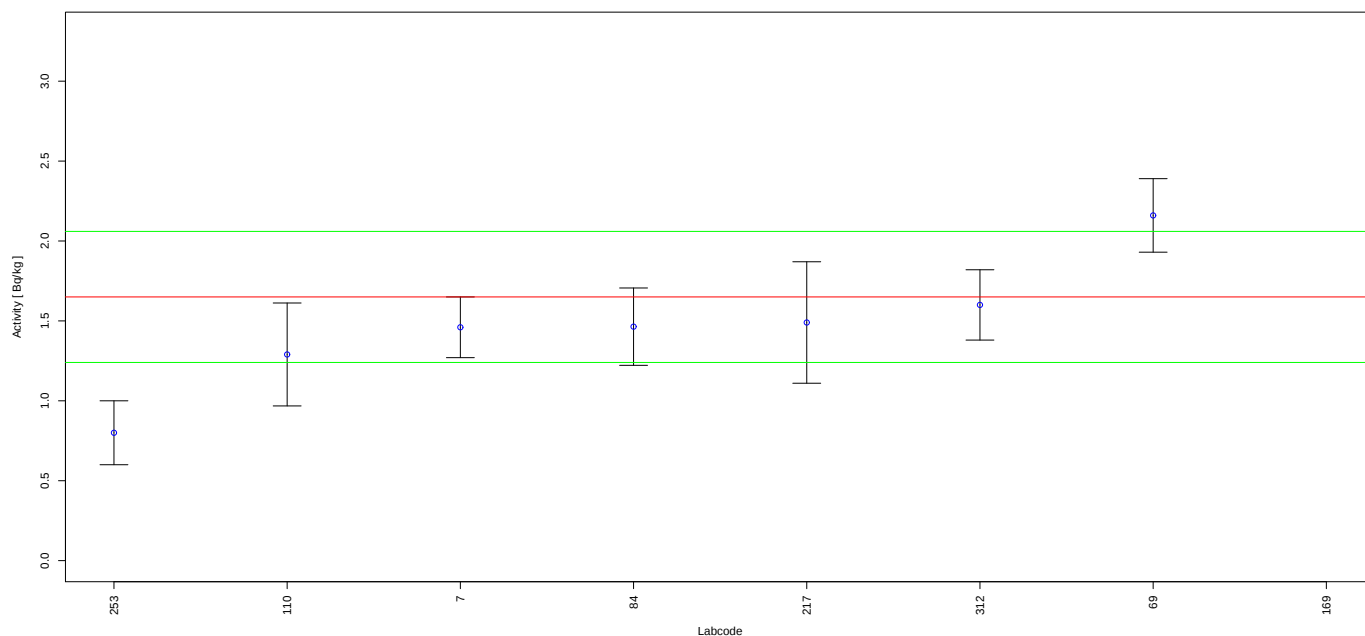


FIGURE 61. Reported results and evaluation parameters for Th-227 in Sample 7.

TABLE 90. IC Evaluation Results for Th-227 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 7       | 1.46       | 0.19      | 0.46    |
| 69      | 2.16       | 0.23      | 1.24    |
| 84      | 1.464      | 0.242     | 0.45    |
| 110     | 1.29       | 0.322     | 0.88    |
| 169     | 196.73     | 12.82     | 475.80  |
| 217     | 1.49       | 0.38      | 0.39    |
| 253     | 0.8        | 0.2       | 2.07    |
| 312     | 1.60       | 0.22      | 0.12    |

## Reported Results for Ra-228 Determination in Sample 7

TABLE 91. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 37.77 |
| Robust SD, Bq/kg   | 2.2   |
| N                  | 29    |

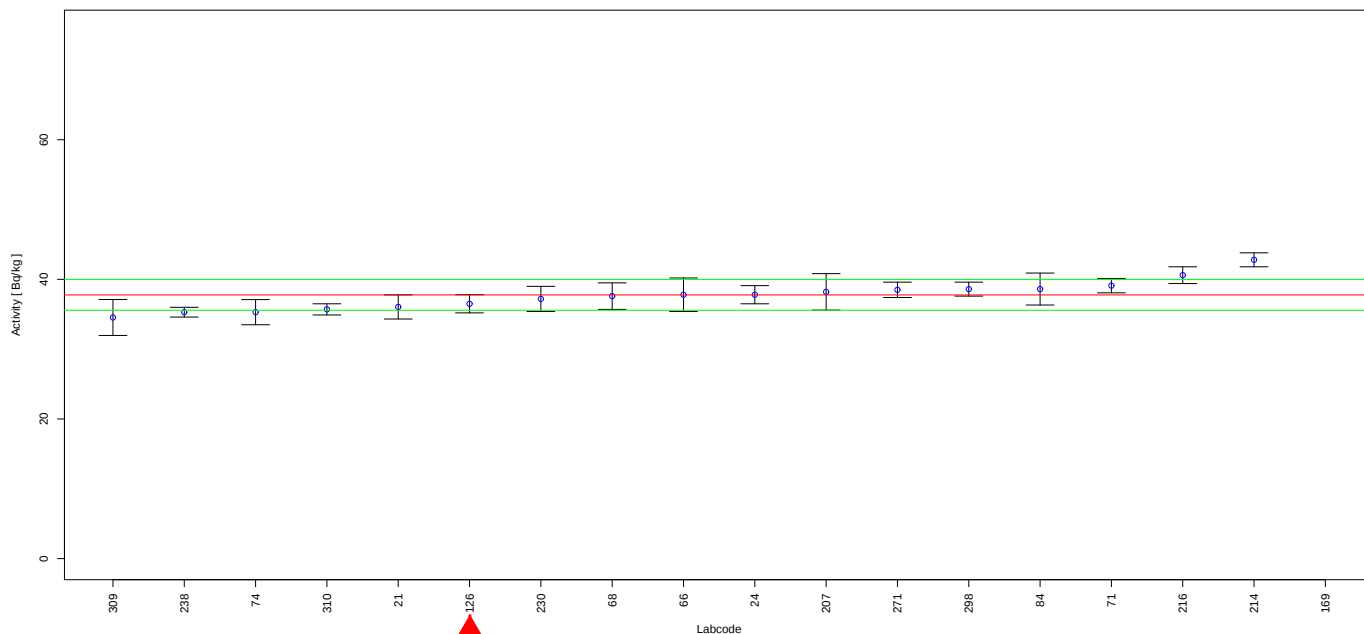


FIGURE 62. Reported results and evaluation parameters for Ra-228 in Sample 7.

TABLE 92. IC Evaluation Results for Ra-228 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 21      | 36.05      | 1.73      | 0.78    |
| 24      | 37.8       | 1.3       | 0.01    |
| 66      | 37.8       | 2.4       | 0.01    |
| 68      | 37.6       | 1.9       | 0.08    |
| 71      | 39.1       | 1.03      | 0.60    |
| 74      | 35.3       | 1.8       | 1.12    |
| 84      | 38.613     | 2.289     | 0.38    |
| 126     | 36.5       | 1.3       | 0.58    |
| 169     | 3071.99    | 25.21     | 1379.19 |
| 207     | 38.21      | 2.61      | 0.20    |
| 214     | 42.8       | 1         | 2.29    |
| 216     | 40.6       | 1.2       | 1.29    |
| 230     | 37.2       | 1.8       | 0.26    |
| 238     | 35.3       | 0.7       | 1.12    |
| 271     | 38.5       | 1.1       | 0.33    |
| 298     | 38.6       | 1.0       | 0.38    |
| 309     | 34.54      | 2.575     | 1.47    |
| 310     | 35.7       | 0.8       | 0.94    |

## Reported Results for Th-228 Determination in Sample 7

TABLE 93. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 38.98 |
| Robust SD, Bq/kg   | 4.11  |
| N                  | 27    |

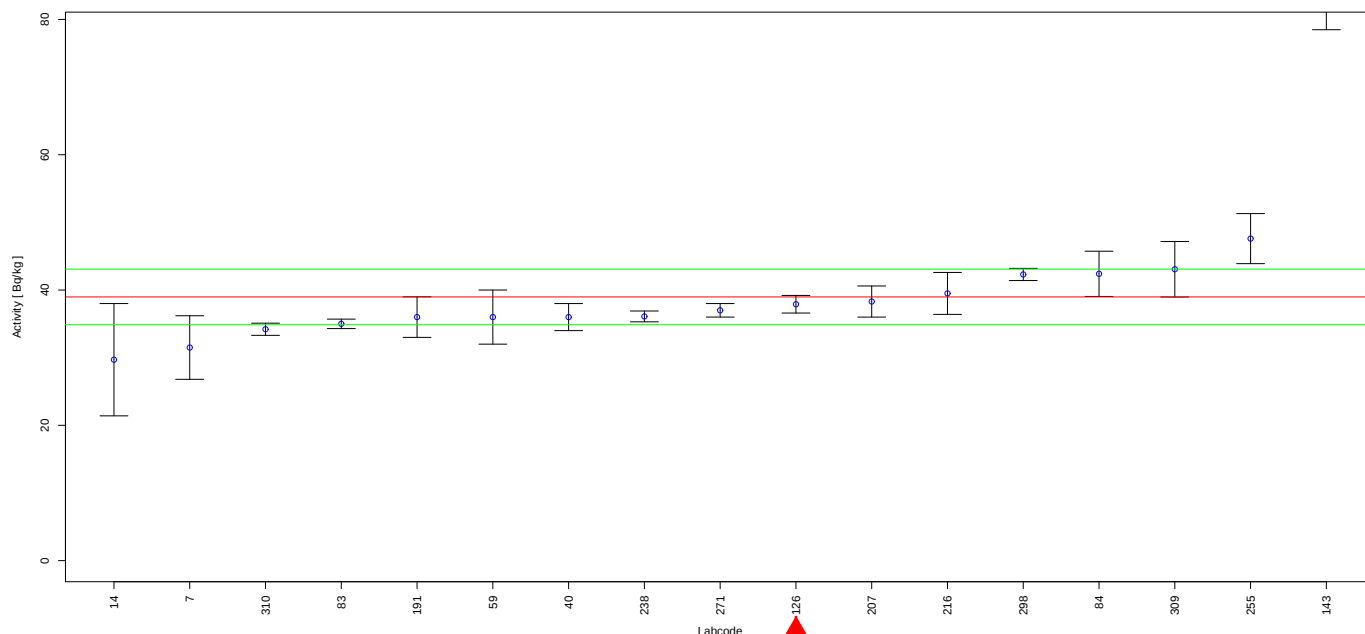


FIGURE 63. Reported results and evaluation parameters for Th-228 in Sample 7.

TABLE 94. IC Evaluation Results for Th-228 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 7       | 31.5       | 4.7       | 1.82    |
| 14      | 29.7       | 8.3       | 2.26    |
| 40      | 36         | 2         | 0.73    |
| 59      | 36         | 4         | 0.73    |
| 83      | 35.0       | 0.7       | 0.97    |
| 84      | 42.393     | 3.344     | 0.83    |
| 126     | 37.9       | 1.3       | 0.26    |
| 143     | 81.90      | 3.42      | 10.44   |
| 191     | 36         | 3         | 0.73    |
| 207     | 38.30      | 2.3       | 0.17    |
| 216     | 39.5       | 3.1       | 0.13    |
| 238     | 36.1       | 0.8       | 0.70    |
| 255     | 47.6       | 3.7       | 2.10    |
| 271     | 37.0       | 1.0       | 0.48    |
| 298     | 42.3       | 0.9       | 0.81    |
| 309     | 43.07      | 4.102     | 1.00    |
| 310     | 34.2       | 0.9       | 1.16    |

## Reported Results for Ac-228 Determination in Sample 7

TABLE 95. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 36.27 |
| Robust SD, Bq/kg   | 3.03  |
| N                  | 118   |

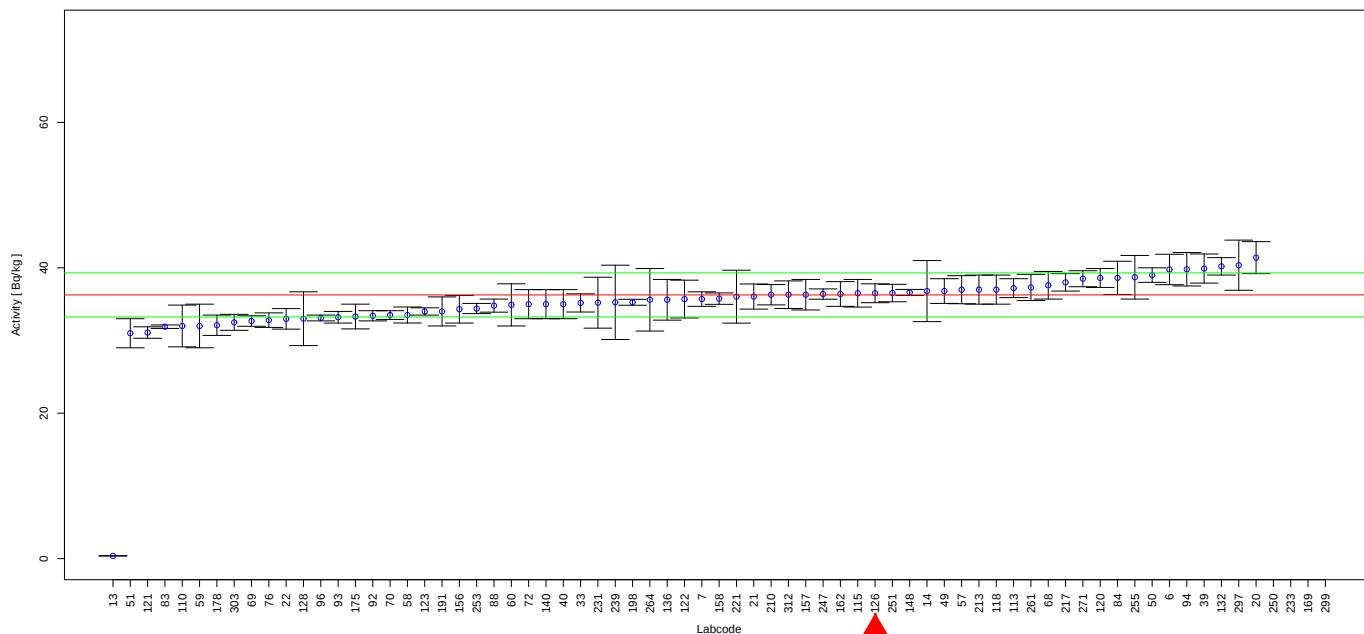


FIGURE 64. Reported results and evaluation parameters for Ac-228 in Sample 7.

TABLE 96. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 39.77      | 2.09      | 1.16    | A                  |
| 7       | 35.7       | 1.0       | 0.19    | A                  |
| 13      | 0.38       | 0.03      | 11.84   | N                  |
| 14      | 36.8       | 4.2       | 0.17    | A                  |
| 20      | 41.4       | 2.2       | 1.69    | A                  |
| 21      | 36.05      | 1.73      | 0.07    | A                  |
| 22      | 32.977     | 1.411     | 1.09    | A                  |
| 33      | 35.17      | 1.25      | 0.36    | A                  |
| 39      | 39.9       | 2         | 1.20    | A                  |
| 40      | 35         | 2         | 0.42    | A                  |
| 49      | 36.8       | 1.7       | 0.17    | A                  |
| 50      | 39         | 1         | 0.90    | A                  |
| 51      | 31         | 2         | 1.74    | A                  |
| 57      | 36.99      | 1.93      | 0.24    | A                  |
| 58      | 33.51      | 1.1       | 0.91    | A                  |
| 59      | 32         | 3         | 1.41    | A                  |
| 60      | 34.9       | 2.9       | 0.45    | A                  |
| 68      | 37.6       | 1.9       | 0.44    | A                  |
| 69      | 32.68      | 0.72      | 1.18    | A                  |
| 70      | 33.5       | 0.6       | 0.91    | A                  |
| 72      | 35         | 2         | 0.42    | A                  |

TABLE 96. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score  | Z-Score Evaluation |
|---------|------------|-----------|----------|--------------------|
| 76      | 32.8       | 1.00      | 1.15     | A                  |
| 83      | 31.9       | 0.24      | 1.44     | A                  |
| 84      | 38.613     | 2.289     | 0.77     | A                  |
| 88      | 34.8       | 0.9       | 0.49     | A                  |
| 92      | 33.4       | 0.7       | 0.95     | A                  |
| 93      | 33.2       | 0.8       | 1.01     | A                  |
| 94      | 39.8       | 2.3       | 1.17     | A                  |
| 96      | 33.1       | 0.4       | 1.05     | A                  |
| 110     | 32.0       | 2.87      | 1.41     | A                  |
| 113     | 37.2       | 1.3       | 0.31     | A                  |
| 115     | 36.5       | 1.9       | 0.08     | A                  |
| 118     | 37         | 2         | 0.24     | A                  |
| 120     | 38.6       | 1.3       | 0.77     | A                  |
| 121     | 31.095     | 0.789     | 1.71     | A                  |
| 122     | 35.7       | 2.6       | 0.19     | A                  |
| 123     | 34.0       | 0.5       | 0.75     | A                  |
| 126     | 36.5       | 1.3       | 0.08     | A                  |
| 128     | 33.0       | 3.7       | 1.08     | A                  |
| 132     | 40.2       | 1.2       | 1.30     | A                  |
| 136     | 35.6       | 2.8       | 0.22     | A                  |
| 140     | 35         | 2         | 0.42     | A                  |
| 148     | 36.61      | 0.42      | 0.11     | A                  |
| 156     | 34.3       | 1.9       | 0.65     | A                  |
| 157     | 36.3       | 2.1       | 0.01     | A                  |
| 158     | 35.76      | 0.784     | 0.17     | A                  |
| 162     | 36.4       | 1.7       | 0.04     | A                  |
| 169     | 3071.99    | 25.21     | 1001.89  | N                  |
| 175     | 33.3       | 1.7       | 0.98     | A                  |
| 178     | 32.1       | 1.4       | 1.38     | A                  |
| 191     | 34         | 2         | 0.75     | A                  |
| 198     | 35.26      | 0.41      | 0.33     | A                  |
| 210     | 36.3       | 1.4       | 0.01     | A                  |
| 213     | 37         | 2         | 0.24     | A                  |
| 217     | 38.0       | 1.2       | 0.57     | A                  |
| 221     | 36.03      | 3.64      | 0.08     | A                  |
| 231     | 35.2       | 3.5       | 0.35     | A                  |
| 233     | 328        | 8.09      | 96.28    | N                  |
| 239     | 35.25      | 5.11      | 0.34     | A                  |
| 247     | 36.39      | 0.71      | 0.04     | A                  |
| 250     | 147.28     | 3.22      | 36.64    | N                  |
| 251     | 36.53      | 1.20      | 0.09     | A                  |
| 253     | 34.4       | 0.7       | 0.62     | A                  |
| 255     | 38.7       | 3.0       | 0.80     | A                  |
| 261     | 37.3       | 1.8       | 0.34     | A                  |
| 264     | 35.6       | 4.3       | 0.22     | A                  |
| 271     | 38.5       | 1.1       | 0.74     | A                  |
| 297     | 40.36      | 3.45      | 1.35     | A                  |
| 299     | 187000.00  | 10300.00  | 61704.20 | N                  |
| 303     | 32.5       | 1.1       | 1.24     | A                  |
| 312     | 36.3       | 1.9       | 0.01     | A                  |

## Reported Results for Th-230 Determination in Sample 7

TABLE 97. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 39.65 |
| Robust SD, Bq/kg   | 4.58  |
| N                  | 4     |

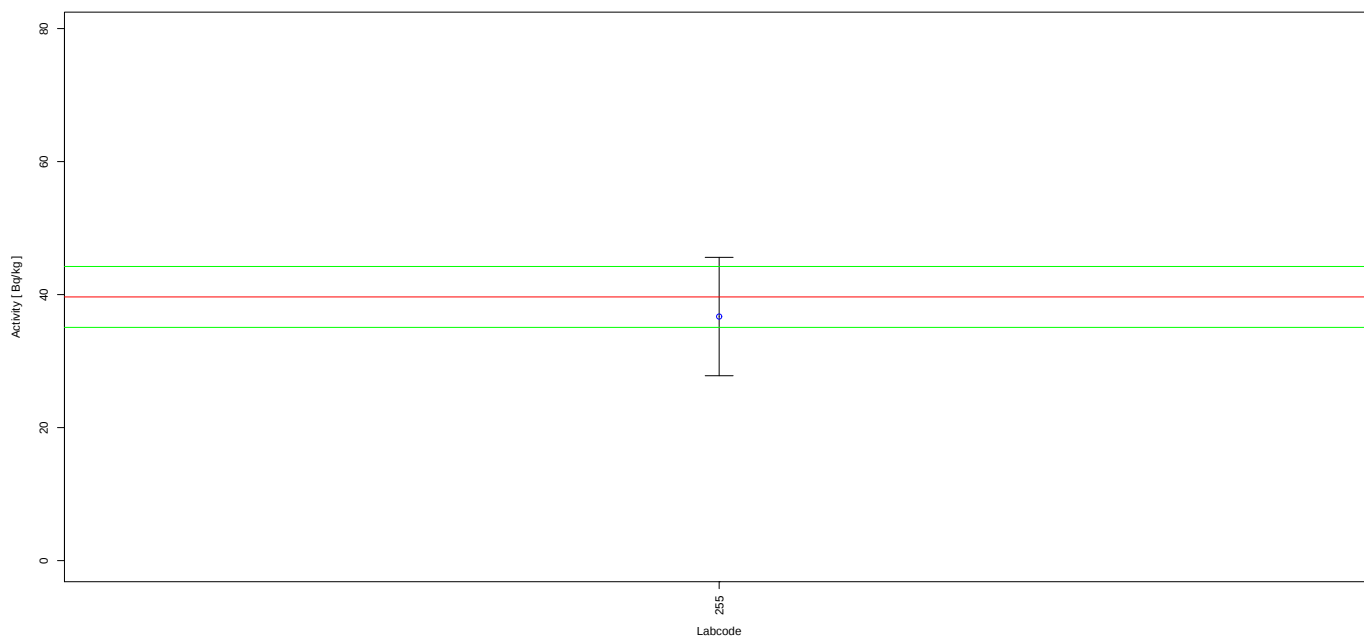


FIGURE 65. Reported results and evaluation parameters for Th-230 in Sample 7.

TABLE 98. IC Evaluation Results for Th-230 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 255     | 36.7       | 8.9       | 0.64    |

## Reported Results for Th-231 Determination in Sample 7

TABLE 99. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 7.3   |
| Robust SD, Bq/kg   | 6.82  |
| N                  | 5     |



FIGURE 66. Reported results and evaluation parameters for Th-231 in Sample 7.

TABLE 100. IC Evaluation Results for Th-231 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 69      | 4.79       | 0.52      | 0.37    |
| 169     | 1116.88    | 24.84     | 162.70  |

## Reported Results for Th-232 Determination in Sample 7

TABLE 101. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 36.55 |
| Robust SD, Bq/kg   | 4.41  |
| N                  | 11    |

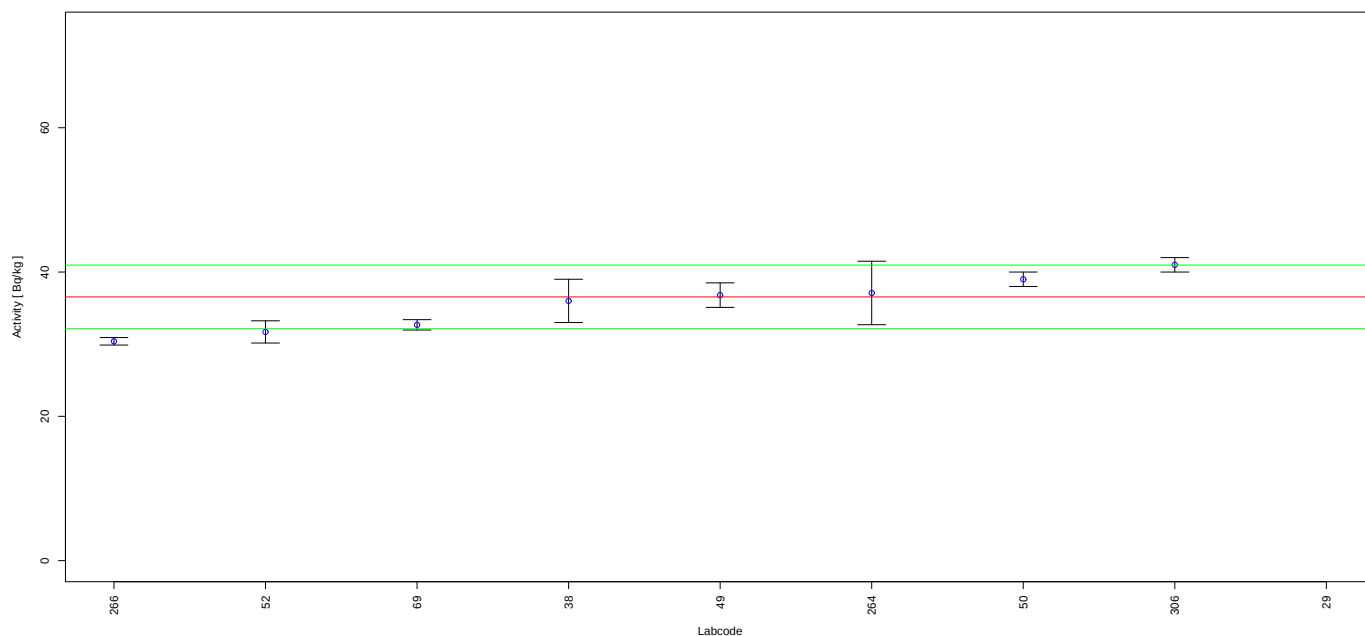


FIGURE 67. Reported results and evaluation parameters for Th-232 in Sample 7.

TABLE 102. IC Evaluation Results for Th-232 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 29      | 96.65      | 14.5      | 13.63   |
| 38      | 36         | 3         | 0.12    |
| 49      | 36.8       | 1.7       | 0.06    |
| 50      | 39         | 1         | 0.56    |
| 52      | 31.70      | 1.54      | 1.10    |
| 69      | 32.68      | 0.72      | 0.88    |
| 264     | 37.1       | 4.4       | 0.12    |
| 266     | 30.40      | 0.52      | 1.39    |
| 306     | 41         | 1         | 1.01    |

## Reported Results for Th-234 Determination in Sample 7

TABLE 103. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 28.6  |
| Robust SD, Bq/kg   | 6.56  |
| N                  | 66    |

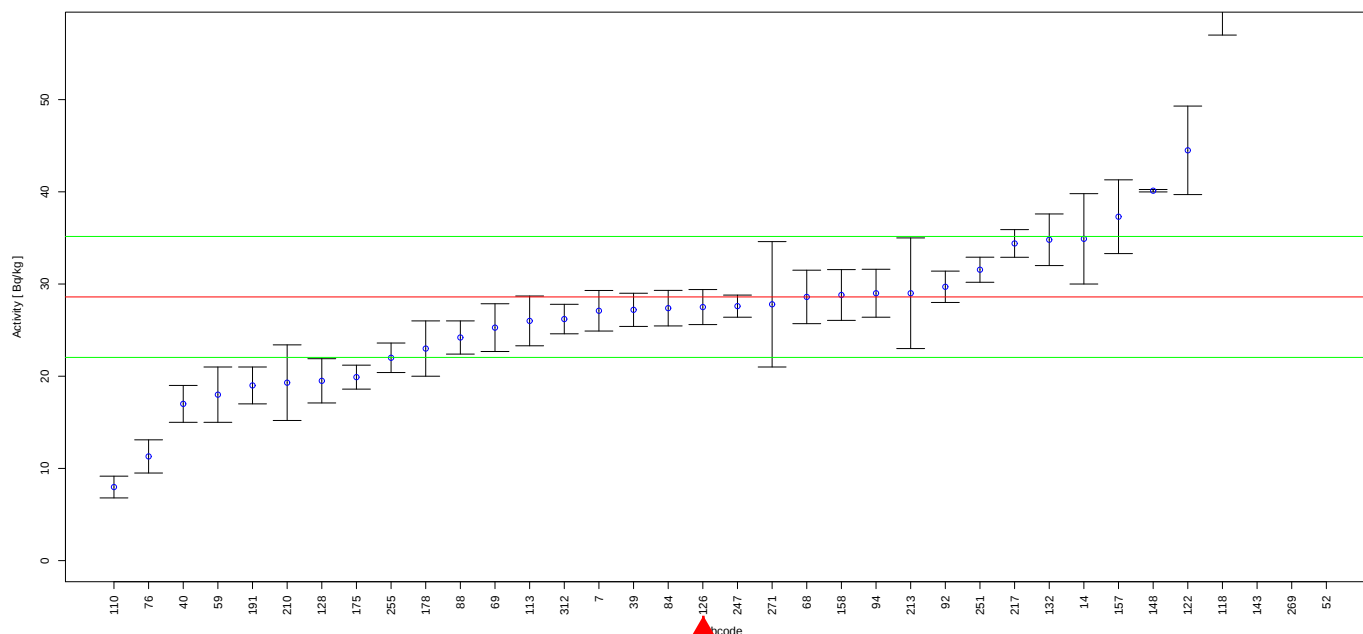


FIGURE 68. Reported results and evaluation parameters for Th-234 in Sample 7.

TABLE 104. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 7       | 27.1       | 2.2       | 0.23    | A                  |
| 14      | 34.9       | 4.9       | 0.96    | A                  |
| 39      | 27.2       | 1.8       | 0.21    | A                  |
| 40      | 17         | 2         | 1.77    | A                  |
| 52      | 992.96     | 99.2      | 147.01  | N                  |
| 59      | 18         | 3         | 1.62    | A                  |
| 68      | 28.6       | 2.9       | 0.00    | A                  |
| 69      | 25.27      | 2.59      | 0.51    | A                  |
| 76      | 11.3       | 1.80      | 2.64    | W                  |
| 84      | 27.382     | 1.928     | 0.19    | A                  |
| 88      | 24.2       | 1.8       | 0.67    | A                  |
| 92      | 29.7       | 1.7       | 0.17    | A                  |
| 94      | 29.0       | 2.6       | 0.06    | A                  |
| 110     | 7.98       | 1.18      | 3.14    | N                  |
| 113     | 26.0       | 2.7       | 0.40    | A                  |
| 118     | 60         | 3         | 4.79    | N                  |
| 122     | 44.5       | 4.8       | 2.42    | W                  |
| 126     | 27.5       | 1.9       | 0.17    | A                  |
| 128     | 19.5       | 2.4       | 1.39    | A                  |
| 132     | 34.8       | 2.8       | 0.95    | A                  |
| 143     | 478.00     | 11.20     | 68.51   | N                  |

TABLE 104. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 148     | 40.12      | 0.13      | 1.76    | A                  |
| 157     | 37.3       | 4.0       | 1.33    | A                  |
| 158     | 28.81      | 2.753     | 0.03    | A                  |
| 175     | 19.9       | 1.3       | 1.33    | A                  |
| 178     | 23         | 3         | 0.85    | A                  |
| 191     | 19         | 2         | 1.46    | A                  |
| 210     | 19.3       | 4.1       | 1.42    | A                  |
| 213     | 29         | 6         | 0.06    | A                  |
| 217     | 34.4       | 1.5       | 0.88    | A                  |
| 247     | 27.6       | 1.2       | 0.15    | A                  |
| 251     | 31.55      | 1.36      | 0.45    | A                  |
| 255     | 22.0       | 1.6       | 1.01    | A                  |
| 269     | 591.82     | 23.06     | 85.86   | N                  |
| 271     | 27.8       | 6.8       | 0.12    | A                  |
| 312     | 26.2       | 1.6       | 0.37    | A                  |

## Reported Results for Pa-234m Determination in Sample 7

TABLE 105. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 26.57 |
| Robust SD, Bq/kg   | 10.19 |
| N                  | 35    |

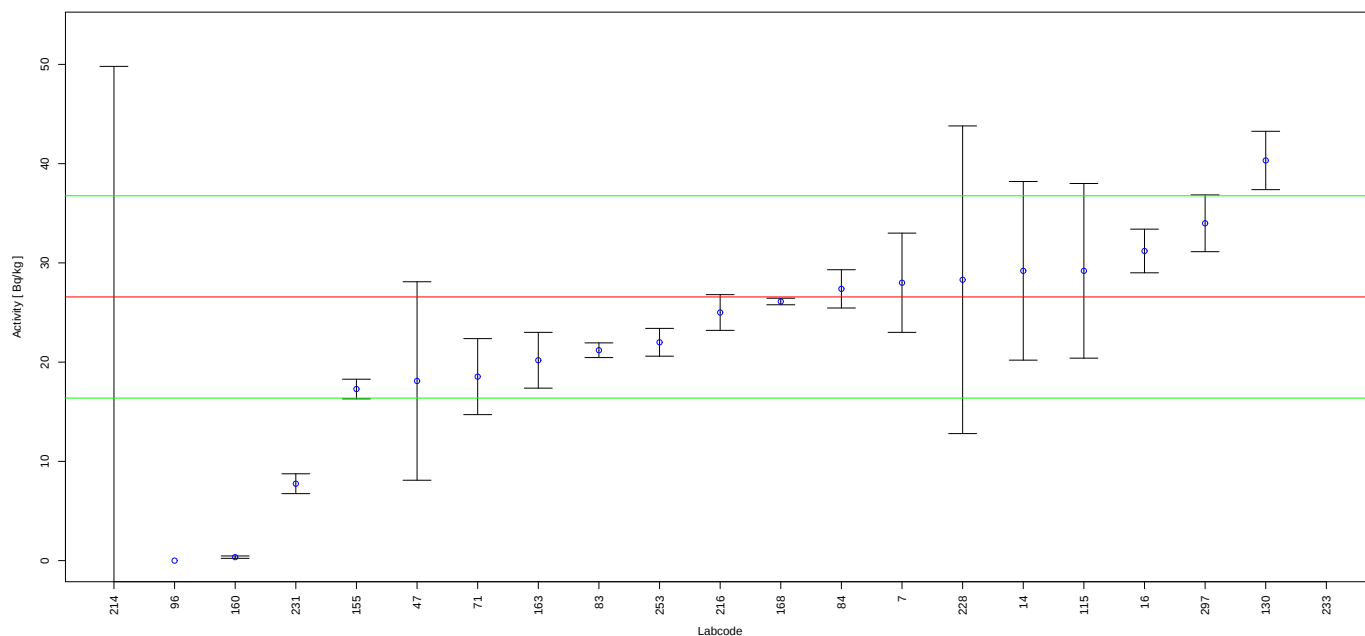


FIGURE 69. Reported results and evaluation parameters for Pa-234m in Sample 7.

TABLE 106. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 7       | 28         | 5         | 0.14    | A                  |
| 14      | 29.2       | 9.0       | 0.26    | A                  |
| 16      | 31.2       | 2.2       | 0.45    | A                  |
| 47      | 18.1       | 10        | 0.83    | A                  |
| 71      | 18.54      | 3.83      | 0.79    | A                  |
| 83      | 21.2       | 0.74      | 0.53    | A                  |
| 84      | 27.382     | 1.928     | 0.08    | A                  |
| 96      | 0          |           | 2.61    | W                  |
| 115     | 29.2       | 8.8       | 0.26    | A                  |
| 130     | 40.32      | 2.94      | 1.35    | A                  |
| 155     | 17.29      | 0.99      | 0.91    | A                  |
| 160     | 0.35       | 0.12      | 2.57    | W                  |
| 163     | 20.19      | 2.81      | 0.63    | A                  |
| 168     | 26.11      | 0.33      | 0.05    | A                  |
| 214     | -9.2       | 59        | 3.51    | N                  |
| 216     | 25.0       | 1.8       | 0.15    | A                  |
| 228     | 28.3       | 15.5      | 0.17    | A                  |
| 231     | 7.75       | 1         | 1.85    | A                  |
| 233     | 57.9       | 1.44      | 3.07    | N                  |
| 253     | 22.0       | 1.4       | 0.45    | A                  |
| 297     | 33.99      | 2.86      | 0.73    | A                  |

TABLE 106. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 500     | 5          | 2.5       | 2.12    | W                  |

## Reported Results for U-235 Determination in Sample 7

TABLE 107. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 1.46  |
| Robust SD, Bq/kg   | 0.55  |
| N                  | 117   |

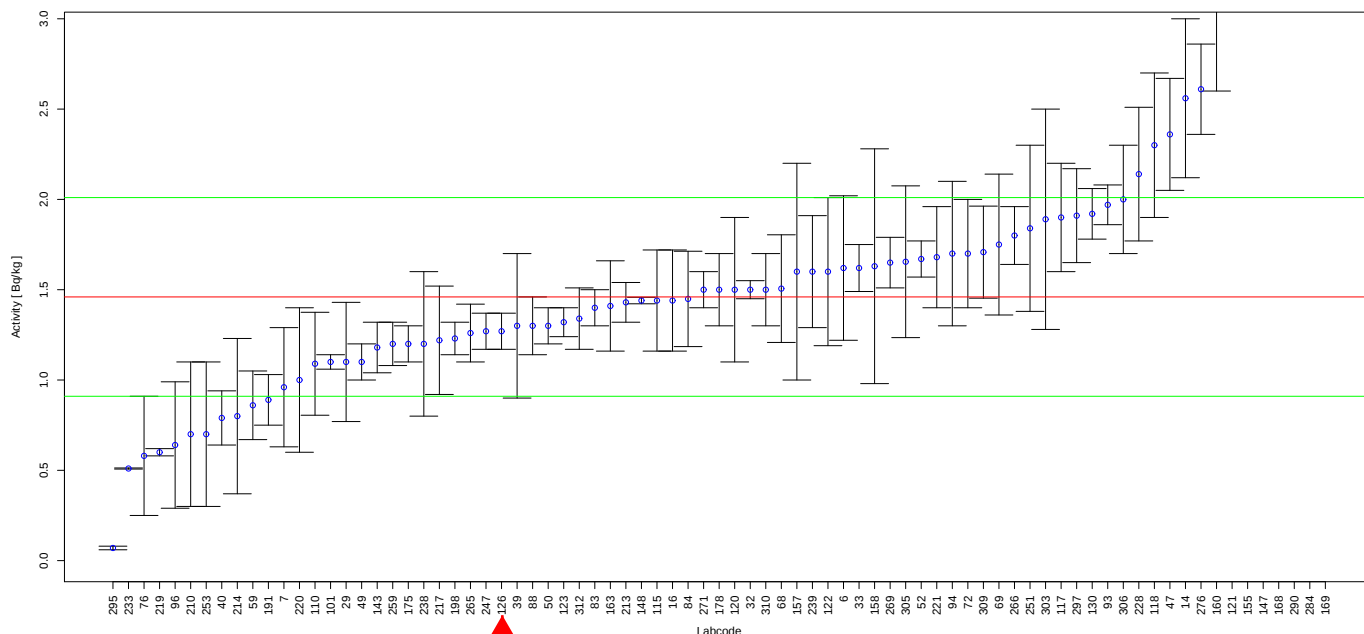


FIGURE 70. Reported results and evaluation parameters for U-235 in Sample 7.

TABLE 108. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 1.62       | 0.40      | 0.29    | A                  |
| 7       | 0.96       | 0.33      | 0.91    | A                  |
| 14      | 2.56       | 0.44      | 2.00    | A                  |
| 16      | 1.44       | 0.28      | 0.04    | A                  |
| 29      | 1.1        | 0.33      | 0.65    | A                  |
| 32      | 1.50       | 0.05      | 0.07    | A                  |
| 33      | 1.62       | 0.13      | 0.29    | A                  |
| 39      | 1.3        | 0.4       | 0.29    | A                  |
| 40      | 0.79       | 0.15      | 1.22    | A                  |
| 47      | 2.36       | 0.31      | 1.64    | A                  |
| 49      | 1.1        | 0.1       | 0.65    | A                  |
| 50      | 1.3        | 0.1       | 0.29    | A                  |
| 52      | 1.67       | 0.1       | 0.38    | A                  |
| 59      | 0.86       | 0.19      | 1.09    | A                  |
| 68      | 1.506      | 0.298     | 0.08    | A                  |
| 69      | 1.75       | 0.39      | 0.53    | A                  |
| 72      | 1.7        | 0.3       | 0.44    | A                  |
| 76      | 0.58       | 0.33      | 1.60    | A                  |
| 83      | 1.4        | 0.1       | 0.11    | A                  |
| 84      | 1.449      | 0.264     | 0.02    | A                  |
| 88      | 1.30       | 0.16      | 0.29    | A                  |

TABLE 108. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 93      | 1.97       | 0.11      | 0.93    | A                  |
| 94      | 1.7        | 0.4       | 0.44    | A                  |
| 96      | 0.64       | 0.35      | 1.49    | A                  |
| 101     | 1.1        | 0.04      | 0.65    | A                  |
| 110     | 1.09       | 0.285     | 0.67    | A                  |
| 115     | 1.44       | 0.28      | 0.04    | A                  |
| 117     | 1.9        | 0.3       | 0.80    | A                  |
| 118     | 2.3        | 0.4       | 1.53    | A                  |
| 120     | 1.5        | 0.4       | 0.07    | A                  |
| 121     | 3.523      | 0.139     | 3.75    | N                  |
| 122     | 1.60       | 0.41      | 0.25    | A                  |
| 123     | 1.32       | 0.08      | 0.25    | A                  |
| 126     | 1.27       | 0.1       | 0.35    | A                  |
| 130     | 1.92       | 0.14      | 0.84    | A                  |
| 143     | 1.18       | 0.14      | 0.51    | A                  |
| 147     | 3.82       | 0.16      | 4.29    | N                  |
| 148     | 1.440      | 0.018     | 0.04    | A                  |
| 155     | 3.64       | 0.09      | 3.96    | N                  |
| 157     | 1.6        | 0.6       | 0.25    | A                  |
| 158     | 1.630      | 0.650     | 0.31    | A                  |
| 160     | 3.2        | 0.6       | 3.16    | N                  |
| 163     | 1.41       | 0.25      | 0.09    | A                  |
| 168     | 4.14       | 0.101     | 4.87    | N                  |
| 169     | 365.08     | 6.95      | 661.13  | N                  |
| 175     | 1.2        | 0.1       | 0.47    | A                  |
| 178     | 1.5        | 0.2       | 0.07    | A                  |
| 191     | 0.89       | 0.14      | 1.04    | A                  |
| 198     | 1.23       | 0.09      | 0.42    | A                  |
| 210     | 0.7        | 0.4       | 1.38    | A                  |
| 213     | 1.43       | 0.11      | 0.05    | A                  |
| 214     | 0.8        | 0.43      | 1.20    | A                  |
| 217     | 1.22       | 0.30      | 0.44    | A                  |
| 219     | 0.6        | 0.02      | 1.56    | A                  |
| 220     | 1.0        | 0.4       | 0.84    | A                  |
| 221     | 1.68       | 0.28      | 0.40    | A                  |
| 228     | 2.14       | 0.37      | 1.24    | A                  |
| 233     | 0.51       | 0.003     | 1.73    | A                  |
| 238     | 1.2        | 0.4       | 0.47    | A                  |
| 239     | 1.6        | 0.31      | 0.25    | A                  |
| 247     | 1.27       | 0.1       | 0.35    | A                  |
| 251     | 1.84       | 0.46      | 0.69    | A                  |
| 253     | 0.7        | 0.4       | 1.38    | A                  |
| 259     | 1.20       | 0.12      | 0.47    | A                  |
| 265     | 1.26       | 0.16      | 0.36    | A                  |
| 266     | 1.80       | 0.16      | 0.62    | A                  |
| 269     | 1.65       | 0.14      | 0.35    | A                  |
| 271     | 1.5        | 0.1       | 0.07    | A                  |
| 276     | 2.61       | 0.25      | 2.09    | W                  |
| 284     | 16.54      | 1.50      | 27.42   | N                  |
| 290     | 4.75       | 0.28      | 5.98    | N                  |
| 295     | 0.07       | 0.01      | 2.53    | W                  |
| 297     | 1.91       | 0.26      | 0.82    | A                  |
| 303     | 1.89       | 0.61      | 0.78    | A                  |
| 305     | 1.6548     | 0.4201    | 0.35    | A                  |

TABLE 108. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 306     | 2.0        | 0.3       | 0.98    | A                  |
| 309     | 1.708      | 0.2548    | 0.45    | A                  |
| 310     | 1.5        | 0.2       | 0.07    | A                  |
| 312     | 1.34       | 0.17      | 0.22    | A                  |

## Reported Results for U-238 Determination in Sample 7

TABLE 109. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 28    |
| Robust SD, Bq/kg   | 6.45  |
| N                  | 16    |

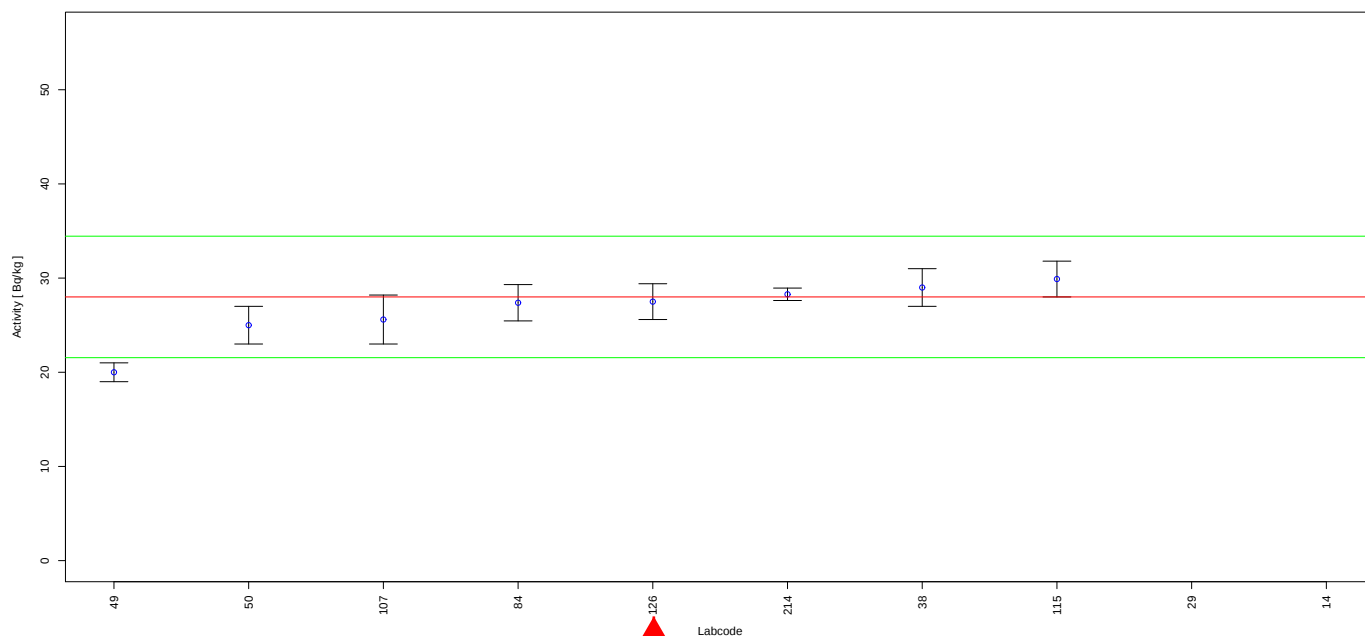


FIGURE 71. Reported results and evaluation parameters for U-238 in Sample 7.

TABLE 110. IC Evaluation Results for U-238 in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score |
|---------|------------|-----------|---------|
| 14      | 525        | 98        | 77.05   |
| 29      | 343.7      | 103.1     | 48.95   |
| 38      | 29         | 2         | 0.16    |
| 49      | 20         | 1         | 1.24    |
| 50      | 25         | 2         | 0.47    |
| 84      | 27.382     | 1.928     | 0.10    |
| 107     | 25.6       | 2.60      | 0.37    |
| 115     | 29.9       | 1.9       | 0.29    |
| 126     | 27.5       | 1.9       | 0.08    |
| 214     | 28.28      | 0.66      | 0.04    |

## Reported Results for Am-241 Determination in Sample 7

TABLE 111. Target values

| Parameter          | Value |
|--------------------|-------|
| Robust Mean, Bq/kg | 78.89 |
| Robust SD, Bq/kg   | 7.59  |
| N                  | 169   |

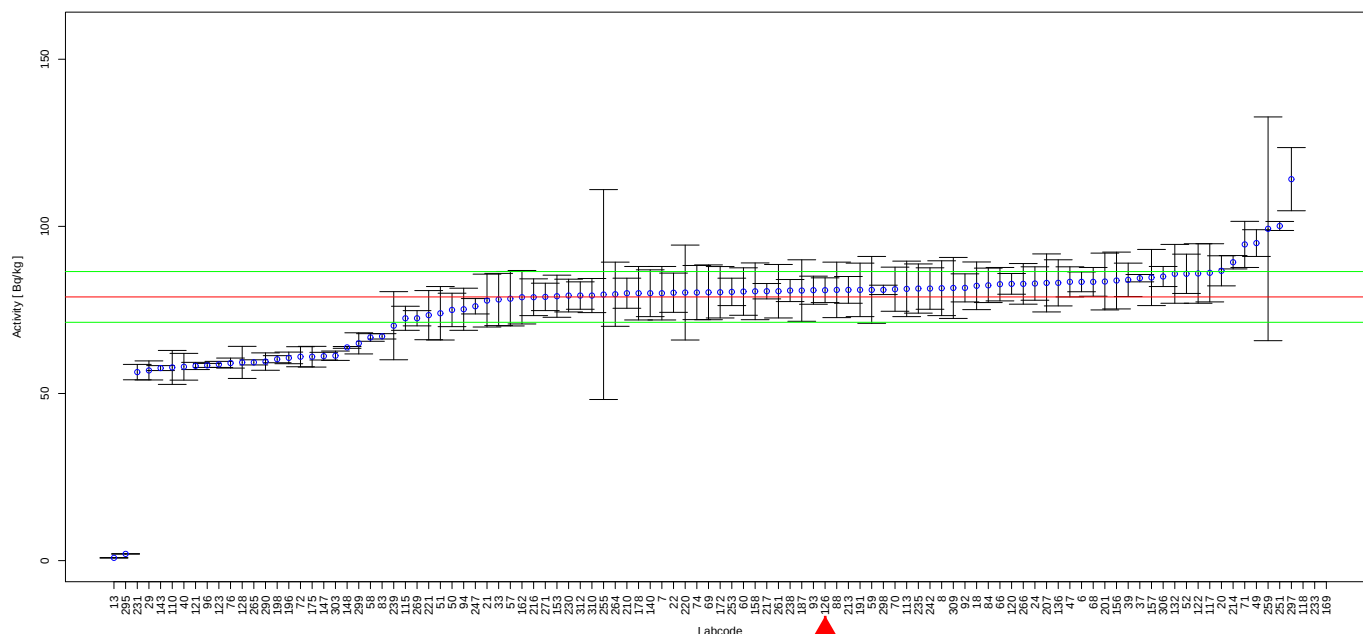


FIGURE 72. Reported results and evaluation parameters for Am-241 in Sample 7.

TABLE 112. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 6       | 83.40      | 2.96      | 0.59    | A                  |
| 7       | 80         | 8         | 0.15    | A                  |
| 8       | 81.5       | 8.2       | 0.34    | A                  |
| 13      | 0.83       | 0.09      | 10.28   | N                  |
| 18      | 82.22      | 7.13      | 0.44    | A                  |
| 20      | 86.7       | 4.5       | 1.03    | A                  |
| 21      | 77.8       | 7.91      | 0.14    | A                  |
| 22      | 80.148     | 5.871     | 0.17    | A                  |
| 24      | 82.9       | 5.0       | 0.53    | A                  |
| 29      | 56.9       | 2.85      | 2.90    | W                  |
| 33      | 78.12      | 7.81      | 0.10    | A                  |
| 37      | 84.5       | 1.1       | 0.74    | A                  |
| 39      | 84         | 5         | 0.67    | A                  |
| 40      | 58         | 4         | 2.75    | W                  |
| 47      | 83.4       | 4.5       | 0.59    | A                  |
| 49      | 95         | 4         | 2.12    | W                  |
| 50      | 75         | 5         | 0.51    | A                  |
| 51      | 74         | 8         | 0.64    | A                  |
| 52      | 85.81      | 5.88      | 0.91    | A                  |
| 57      | 78.36      | 8.15      | 0.07    | A                  |
| 58      | 66.76      | 1.14      | 1.60    | A                  |

TABLE 112. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 59      | 81         | 10        | 0.28    | A                  |
| 60      | 80.5       | 7.1       | 0.21    | A                  |
| 66      | 82.7       | 5.0       | 0.50    | A                  |
| 68      | 83.4       | 4.3       | 0.59    | A                  |
| 69      | 80.27      | 8.20      | 0.18    | A                  |
| 70      | 81.2       | 6.6       | 0.30    | A                  |
| 71      | 94.6       | 6.9       | 2.07    | W                  |
| 72      | 61         | 3         | 2.36    | W                  |
| 74      | 80.2       | 8.1       | 0.17    | A                  |
| 76      | 59.1       | 1.50      | 2.61    | W                  |
| 83      | 67.1       | 0.8       | 1.55    | A                  |
| 84      | 82.359     | 5.153     | 0.46    | A                  |
| 88      | 81.0       | 8.3       | 0.28    | A                  |
| 92      | 81.6       | 4.2       | 0.36    | A                  |
| 93      | 80.9       | 4.2       | 0.26    | A                  |
| 94      | 75.2       | 6.3       | 0.49    | A                  |
| 96      | 58.4       | 0.6       | 2.70    | W                  |
| 110     | 57.8       | 5.08      | 2.78    | W                  |
| 113     | 81.3       | 8.3       | 0.32    | A                  |
| 115     | 72.5       | 3.6       | 0.84    | A                  |
| 117     | 86.1       | 8.7       | 0.95    | A                  |
| 118     | 204        | 8         | 16.48   | N                  |
| 120     | 82.8       | 3.1       | 0.52    | A                  |
| 121     | 58.239     | 1.079     | 2.72    | W                  |
| 122     | 85.9       | 8.9       | 0.92    | A                  |
| 123     | 58.7       | 0.91      | 2.66    | W                  |
| 126     | 80.9       | 3.7       | 0.26    | A                  |
| 128     | 59.3       | 4.8       | 2.58    | W                  |
| 132     | 85.8       | 8.8       | 0.91    | A                  |
| 136     | 83.1       | 6.9       | 0.55    | A                  |
| 140     | 80         | 7         | 0.15    | A                  |
| 143     | 57.60      | 0.74      | 2.81    | W                  |
| 147     | 61.17      | 1.15      | 2.33    | W                  |
| 148     | 63.79      | 0.27      | 1.99    | A                  |
| 153     | 79.1       | 6.3       | 0.03    | A                  |
| 156     | 83.8       | 8.5       | 0.65    | A                  |
| 157     | 84.7       | 8.4       | 0.77    | A                  |
| 158     | 80.57      | 8.491     | 0.22    | A                  |
| 162     | 78.8       | 8         | 0.01    | A                  |
| 169     | 5864.51    | 76.62     | 762.27  | N                  |
| 172     | 80.29      | 7.69      | 0.18    | A                  |
| 175     | 61.0       | 3.1       | 2.36    | W                  |
| 178     | 80         | 8         | 0.15    | A                  |
| 187     | 80.8       | 9.2       | 0.25    | A                  |
| 191     | 81         | 8         | 0.28    | A                  |
| 196     | 60.65      | 1.74      | 2.40    | W                  |
| 198     | 60.26      | 1.06      | 2.45    | W                  |
| 201     | 83.5       | 8.5       | 0.61    | A                  |
| 207     | 83.08      | 8.68      | 0.55    | A                  |
| 210     | 80.0       | 4.5       | 0.15    | A                  |
| 213     | 81         | 4         | 0.28    | A                  |
| 214     | 89.27      | 2         | 1.37    | A                  |
| 216     | 78.8       | 5.5       | 0.01    | A                  |
| 217     | 80.6       | 2.3       | 0.23    | A                  |

TABLE 112. IC Evaluation Results for in Sample 7, Rep. Value and Rep. Unc. in Bq/kg

| Labcode | Rep. Value | Rep. Unc. | Z-Score | Z-Score Evaluation |
|---------|------------|-----------|---------|--------------------|
| 220     | 80.2       | 14.2      | 0.17    | A                  |
| 221     | 73.44      | 7.35      | 0.72    | A                  |
| 230     | 79.3       | 4.9       | 0.05    | A                  |
| 231     | 56.4       | 2.3       | 2.96    | W                  |
| 233     | 734        | 18.3      | 86.31   | N                  |
| 235     | 81.4       | 7.36      | 0.33    | A                  |
| 238     | 80.8       | 3.3       | 0.25    | A                  |
| 239     | 70.28      | 10.19     | 1.13    | A                  |
| 242     | 81.4       | 6.2       | 0.33    | A                  |
| 247     | 76.1       | 2.3       | 0.37    | A                  |
| 251     | 100.12     | 1.35      | 2.80    | W                  |
| 253     | 80.4       | 4.1       | 0.20    | A                  |
| 255     | 79.6       | 31.4      | 0.09    | A                  |
| 259     | 99.27      | 33.47     | 2.69    | W                  |
| 261     | 80.6       | 8.0       | 0.23    | A                  |
| 264     | 79.7       | 9.6       | 0.11    | A                  |
| 265     | 59.31      | 0.77      | 2.58    | W                  |
| 266     | 82.80      | 6.08      | 0.52    | A                  |
| 269     | 72.51      | 2.28      | 0.84    | A                  |
| 271     | 78.9       | 4.1       | 0.00    | A                  |
| 290     | 59.55      | 2.6       | 2.55    | W                  |
| 295     | 2.01       | 0.09      | 10.13   | N                  |
| 297     | 114.12     | 9.45      | 4.64    | N                  |
| 298     | 81.0       | 1.4       | 0.28    | A                  |
| 299     | 65         | 3.16      | 1.83    | A                  |
| 303     | 61.3       | 1.4       | 2.32    | W                  |
| 306     | 85         | 3         | 0.81    | A                  |
| 309     | 81.58      | 9.124     | 0.35    | A                  |
| 310     | 79.3       | 5.1       | 0.05    | A                  |
| 312     | 79.3       | 4.1       | 0.05    | A                  |
| 500     | 87         | 65        | 1.07    | A                  |

## 6 References

### References

- [1] International Organization for Standardization (ISO). (2010). Conformity assessment - General requirements for proficiency testing, ISO/IEC 17043:2010. Geneva: Switzerland.
- [2] International Organization for Standardization (ISO). (2015). Statistical methods for use in proficiency testing by interlaboratory comparison, ISO 13528:2015. Geneva: Switzerland.

## **7 Contributors to evaluation and report**

B. Nadalut, S. Patterson, B. Seslak, A. Trinkl: Terrestrial Environmental Radiochemistry Laboratory, Division of Physical and Chemical Sciences, Department of Nuclear Sciences and Applications

### **Contributors to sample preparation and parcel distribution:**

C. Abraham-Ponti, A. Kazmierska, B. Massinger, L. Rován, Z. Sera: Terrestrial Environmental Radiochemistry Laboratory, Division of Physical and Chemical Sciences, Department of Nuclear Sciences and Applications