# ALP Program

## Participant Web Summary Report

*The Agriculture Laboratory Proficiency (ALP) Program is operated by Collaborative Testing Services, Inc. in cooperation with Robert O. Miller, PhD, Program Technical Director*

## ALP Program - Fall 2023 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Fall 2023 (Cycle 52) was completed in November 2023, with participation by 108 labs from the United States, Canada, Guatemala, Colombia, Ukraine, Portugal, Italy, Ireland, South Africa and the Philippines.  Proficiency samples consisted of five soils, four botanical and three water samples.  Analytical methods evaluated are based on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry Canada.

Standard Reference Soils (SRS), materials for the soils program were: SRS2311 a Cecil clay loam collected from Anderson Cty, SC; SRS2312 a Winooski silt loam collected from Litchfield Cty, CT; SRS2313 a Pivot loamy sand collected from Holt Cty, NE; SRS2314 a Aridic Haploxeroll collected near Osoyoos, BC CANADA; and SRS2315 a Nevee silt loam collected from Crook Cty, WY.  Standard Reference Botanical (SRB) materials were: SRB2309 canola composite from IA; SRB2310 lime leaf composite from CA; SRB2311 pistachio leaf composite from CA; and SRB2312 chicory leaf composite from CO. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW2307 a domestic well source in CO, SRW2308 a source in SD, and SRW2309 a domestic well source in AL.

Laboratory Results were compiled and analyzed for each interlaboratory material and property. All analyses in the ALP Program are based on consensus and comparative statistics. Although the analysis techniques chosen to provide a robust evaluation, small group statistics are less reliable than large group statistics. No comparative results are provided for analyses with fewer than 5 reported results.

### Discussion of Statistics in ALP Reports

Reports in the ALP Program contain a variety of statistical terms and measures, such as: mean, median, median absolute deviation (M.A.D.), average standard deviation, z-score, etc. that must be understood to accurately interpret your laboratory's results. The following sections describe the statistics used in the Participant Web Summary Report and the Individual Performance Analysis Report.

**Laboratory Statistics:**

For each property three replicate determinations were collected for each sample.  From these determinations, we calculated your laboratory results as the arithmetic mean and standard deviation of the three determinations.  These results form the basis for all other statistics used in the reports.

Arithmatic Mean $$\bar{x} = \frac{1}{n} \cdot \sum_{i=1}^{n} x_i$$

Standard Deviation $$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^{N} (x_i - \bar{x})^2}$$

**Consensus Statistics:**

From the laboratory means a <u>Grand Median</u> is determined.  The dispersion around this consensus value is calculated by the <u>Median Absolute Deviation (M.A.D.)</u>.  The M.A.D. is the median of the absolute values of the differences between the Laboratory Means and the Grand Median.  Finally, the standard deviations between the triplicate determinations for each sample-property within each lab are averaged (by the sum of squares method) to determine the <u>Within Lab Average Standard Deviation</u>. These three consensus values, Grand Median, M.A.D. and Within Lab Avg STD form the basic estimates of value, dispersion, and within laboratory consistency.

$$MAD = \text{med}_i \left( |x_i - \text{med}_j (x_j)| \right)$$

Please note that the calculation of the M.A.D. as detailed above differs from conventional usage.

### Discussion of Statistics in ALP Reports

**Performance Statistics:**

Performance Statistics are generated by combinations of the two Laboratory Statistics (arithmetic mean and standard deviation) and the Consensus Statistics (Grand Median, M.A.D. and Within Lab Avg STD).

The Individual Performance Analysis Report, contains two Performance Statistics and an associated range. The <u>WithinLab Performance</u> is the laboratory standard deviation divided by the Within Lab Average Standard Deviation. A value greater than 1 for this ratio would indicate that the variation of the three replicate determinations for this sample-property from your laboratory was greater than the other participants; a ratio less than 1 indicates less variation than other participants. The <u>Laboratory-Sample Bias</u> results on the Laboratory Summary Performance page are z-scores calculated by dividing the difference between your laboratory mean and the Grand Median by the M.A.D. A value closer to zero for this performance statistic indicates that your laboratory mean agreed with the other participants. Positive values indicate that your laboratory mean was greater than the Grand Median; negative values indicate that your laboratory mean was less than the Grand Median. The larger this value is, whether positive or negative, the less agreement between your laboratory mean and the Grand Median. The confidence interval is calculated from the Grand Median and the M.A.D.

$$\text{WithinLab Performance} = \frac{\text{laboratory standard deviation}}{\text{Within Lab Average Standard Deviation}} \qquad \text{Laboratory-Sample Bias} = \frac{(\text{laboratory mean} - \text{Grand Median})}{\text{M.A.D.}}$$

In the Participant Web Summary Report the <u>k Score</u> is the same as the WithinLab Performance; it is simply a common technical term. The <u>Z Score</u> does differ from the Laboratory-Sample Bias, however these two performance measures share the same purpose - to judge the bias between your laboratory mean and the consensus results. The Z Score is calculated by dividing the difference between your laboratory mean and the Grand Median by the product of the M.A.D. and a factor of 1.48 (rounded). This denominator is used to give a rough estimate of the between laboratory standard deviation, if a normal distribution is assumed. The Z Score then gives us something that approximates a traditional z-score, so that on average 68% of values fall in the range of +1.00 to -1.00.

$$\text{k Score} = \frac{\text{laboratory standard deviation}}{\text{Within Lab Average Standard Deviation}} \qquad \text{Z Score} = \frac{(\text{laboratory mean} - \text{Grand Median})}{1.48(\text{M.A.D.})}$$

## Key to Data Tables

### Laboratory Results

**Sample Mean** — arithmetic mean of the three determinations for the sample-property

**Z Score** — difference divided by the product of the M.A.D. and 1.48 (rounded).
Results outside the 95% confidence range are flagged by "**X**"

**k Score** — laboratory standard deviation divided by the Within Lab Average STD
No flags are assigned for these values and are provided for laboratory information only.

### Consensus Results

**Grand Median** — median of all included sample means

**Median Abs Dev** — median of all included absolute differences between the sample means and the grand median

**Avg Within Lab SD** — average of all included laboratory standard deviations

**Labs Included** — number of laboratories included in calculation of consensus statistics for this sample-property

**Labs Reporting** — number of laboratories submitting data for this sample-property

Consensus results were reported only for analyses with five or more included laboratories. Analyses with fewer than five included laboratories are missing both consensus and performance statistics.

**Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups**   **Data units: Percent**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 35.5 | 0.12 | 0.49 | 48.6 | 0.08 | 1.16 | 24.1 | -0.07 | 0.62 | 36.4 | 0.01 | 0.34 | 42.0 | 0.51 | 0.80 |
| 3GXKWM | 42.0 | 1.47 | | 48.0 | -0.04 | | 24.0 | -0.09 | | 36.0 | -0.11 | | 38.0 | -0.37 | |
| 3U6BYV | 31.2 | -0.77 | | 44.6 | -0.77 | | 21.3 | -1.01 | | 35.7 | -0.18 | | 33.4 | -1.39 | |
| 3WWADT | 33.5 | -0.28 | 0.36 | 45.7 | -0.54 | 2.79 | 26.1 | 0.62 | 2.16 | 39.7 | 0.92 | 3.49 | 36.2 | -0.77 | 2.82 |
| 6PQCHL | 38.5 | 0.75 | | 48.2 | 0.00 | | 24.0 | -0.09 | | 35.1 | -0.35 | | 40.8 | 0.25 | |
| 7ZNKQG | 35.9 | 0.21 | 0.13 | 49.0 | 0.18 | 1.74 | 26.4 | 0.74 | 0.41 | 37.4 | 0.28 | 0.50 | 40.0 | 0.08 | 0.40 |
| 8LG4AD | 35.3 | 0.09 | 0.83 | 53.0 | 1.03 | | 26.7 | 0.82 | 0.43 | 39.7 | 0.91 | 0.52 | 44.0 | 0.96 | 0.97 |
| 8Q9F3N | 30.1 | -0.99 | 0.93 | 42.2 | -1.28 | 0.66 | 22.8 | -0.50 | 0.89 | 32.2 | -1.16 | 0.03 | 35.5 | -0.93 | 0.39 |
| 9D3RFD | 44.6 | 2.00 | 1.30 | 28.8 | -4.16X | 1.11 | 25.6 | 0.44 | 1.93 | 34.3 | -0.56 | 0.42 | 34.5 | -1.14 | 0.46 |
| CMCHHD | 34.3 | -0.11 | 0.42 | 49.7 | 0.31 | 0.48 | 25.7 | 0.48 | 0.43 | 39.0 | 0.72 | | 43.3 | 0.81 | 0.56 |
| DFEY7A | 32.0 | -0.60 | | 49.0 | 0.17 | 0.83 | 25.0 | 0.25 | 0.74 | 36.3 | -0.01 | 0.52 | 39.7 | 0.00 | 1.12 |
| DUEXT8 | 32.0 | -0.60 | 1.25 | 46.7 | -0.33 | 0.48 | 24.0 | -0.09 | 0.74 | 35.0 | -0.38 | | 38.3 | -0.30 | 0.56 |
| FJLEZH | 19.7 | -3.14X | 0.42 | 35.8 | -2.66 | 0.87 | 19.8 | -1.54 | 0.04 | 29.4 | -1.94 | 0.26 | 24.7 | -3.32X | 0.06 |
| FWAGJB | 37.1 | 0.45 | 0.34 | 50.3 | 0.45 | 0.08 | 25.5 | 0.42 | 0.07 | 38.4 | 0.57 | 0.03 | 39.7 | 0.01 | 0.06 |
| HH9DJ3 | 32.6 | -0.47 | 0.45 | 46.4 | -0.39 | 0.25 | 32.0 | 2.66 | 1.11 | 34.0 | -0.67 | 0.37 | 38.8 | -0.19 | 0.63 |
| JK7EW4 | 37.8 | 0.61 | 3.04 | 57.5 | 1.99 | 0.23 | 31.3 | 2.41 | 2.04 | 40.5 | 1.13 | 1.55 | 47.3 | 1.69 | 1.91 |
| JQCYVA | 41.3 | 1.32 | 0.31 | 54.3 | 1.30 | 0.26 | 38.1 | 4.73X | 0.74 | 43.3 | 1.91 | 0.18 | 48.6 | 2.00 | 0.60 |
| JXALTZ | 32.2 | -0.56 | 0.08 | 46.9 | -0.29 | 0.05 | 24.0 | -0.08 | 0.19 | 37.2 | 0.22 | 0.05 | 39.0 | -0.16 | 0.06 |
| QZVJF8 | 31.8 | -0.64 | | 43.3 | -1.05 | | 22.5 | -0.60 | | 32.5 | -1.07 | | 35.8 | -0.86 | |
| TQJCHV | 29.5 | -1.12 | 0.40 | 43.9 | -0.92 | 0.25 | 21.9 | -0.81 | 0.07 | 32.0 | -1.22 | 0.03 | 34.4 | -1.16 | 0.15 |
| XR3PAN | 34.9 | 0.00 | 0.68 | 49.7 | 0.32 | 0.62 | 25.5 | 0.43 | 0.37 | 37.6 | 0.33 | 0.31 | 39.7 | 0.01 | 0.63 |
| YL6GER | 39.8 | 1.02 | 0.59 | 48.6 | 0.08 | 0.93 | 24.3 | 0.00 | 0.49 | 37.0 | 0.17 | 0.09 | 42.2 | 0.57 | 0.50 |

**Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups**   Data units: Percent

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 34.9 | 48.2 | 24.3 | 36.4 | 39.7 |
| Median Abs Dev | 2.9 | 1.8 | 1.4 | 2.0 | 2.6 |
| Avg Within Lab SD | 1.4 | 1.2 | 1.3 | 2.2 | 1.0 |
| Labs Included | 21 | 21 | 21 | 22 | 21 |
| Labs Reporting | 22 | 22 | 22 | 22 | 22 |

**pH - sp (SubTestCode 102) in the Salinity Property Groups**       **Data units: Unit**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 5.15 | 0.60 | 0.85 | 7.14 | 0.84 | 0.97 | 4.24 | 0.05 | 0.55 | 6.61 | 0.79 | 1.30 | 7.62 | 0.05 | 0.75 |
| 2W2DFK | 5.10 | 0.37 | 0.07 | 6.89 | 0.14 | 0.04 | 4.30 | 0.43 | 0.18 | 6.51 | 0.20 | 0.22 | 7.70 | 0.36 | 0.07 |
| 3GXKWM | 5.30 | 1.22 | | 6.30 | -1.55 | | 4.50 | 1.54 | | 6.20 | -1.48 | | 6.90 | -2.53 | |
| 3U6BYV | 4.95 | -0.24 | | 6.93 | 0.24 | | 4.16 | -0.39 | | 6.57 | 0.55 | | 7.21 | -1.41 | |
| 3WWADT | 5.14 | 0.54 | 0.37 | 7.12 | 0.78 | 2.56 | 4.37 | 0.82 | 2.42 | 6.62 | 0.84 | 0.99 | 7.64 | 0.13 | 0.45 |
| 4F7LHP | 4.90 | -0.43 | 0.14 | 6.76 | -0.24 | 0.07 | 4.15 | -0.45 | 0.16 | 6.40 | -0.38 | 0.11 | 7.65 | 0.18 | 0.07 |
| 6PQCHL | 5.05 | 0.18 | | 6.84 | -0.01 | | 4.15 | -0.45 | | 6.41 | -0.33 | | 7.51 | -0.34 | |
| 7ZNKQG | 4.84 | -0.68 | 0.19 | 7.26 | 1.18 | 2.02 | 4.23 | 0.03 | 0.96 | 6.54 | 0.40 | 1.08 | 7.60 | -0.01 | 0.30 |
| 8LG4AD | 5.04 | 0.14 | 2.15 | 6.78 | -0.19 | 2.70 | 4.29 | 0.37 | 1.67 | 6.29 | -1.01 | 3.04 | 7.87 | 0.97 | 4.28 |
| 8Q9F3N | 4.74 | -1.09 | 3.33 | 6.52 | -0.93 | 0.77 | 4.05 | -1.01 | 1.18 | 6.16 | -1.69 | 0.43 | 7.27 | -1.20 | 1.19 |
| 9D3RFD | 6.64 | 6.77X | 2.64 | 4.75 | -5.96X | 0.68 | 4.19 | -0.24 | 1.41 | 6.50 | 0.18 | 1.00 | 7.84 | 0.86 | 0.23 |
| CMCHHD | 4.89 | -0.48 | 0.25 | 6.79 | -0.16 | 0.14 | 4.19 | -0.22 | 0.41 | 6.48 | 0.06 | 0.28 | 7.64 | 0.12 | 0.17 |
| CWMK4E | 5.05 | 0.19 | 0.74 | 6.88 | 0.09 | 0.04 | 4.27 | 0.21 | 0.05 | 6.46 | -0.06 | 0.07 | 7.57 | -0.11 | 0.08 |
| DFEY7A | 5.17 | 0.66 | 0.93 | 6.65 | -0.55 | 0.49 | 4.34 | 0.63 | 2.19 | 6.29 | -0.97 | 2.36 | 7.02 | -2.10 | 0.34 |
| DUEXT8 | 4.70 | -1.27 | 0.65 | 6.29 | -1.59 | 0.08 | 4.01 | -1.26 | 0.72 | 6.05 | -2.29 | 0.33 | 7.18 | -1.53 | 0.07 |
| FJLEZH | 6.85 | 7.66X | 0.12 | 7.36 | 1.46 | 0.81 | 4.68 | 2.59 | 0.86 | 7.04 | 3.14X | 1.06 | 7.75 | 0.52 | 0.47 |
| FWAGJB | 5.01 | 0.00 | 0.26 | 7.17 | 0.91 | 0.15 | 4.22 | -0.03 | 0.24 | 6.57 | 0.55 | 0.32 | 7.58 | -0.10 | 0.17 |
| HH9DJ3 | 5.13 | 0.50 | 0.50 | 7.06 | 0.61 | 0.07 | 4.33 | 0.58 | 0.27 | 6.55 | 0.46 | 0.25 | 7.72 | 0.42 | 0.49 |
| JK7EW4 | 5.10 | 0.39 | 0.00 | 7.03 | 0.53 | 0.41 | 4.27 | 0.22 | 0.90 | 6.57 | 0.53 | 0.62 | 7.80 | 0.71 | 0.00 |
| JQCYVA | 5.13 | 0.50 | 0.14 | 6.95 | 0.31 | 0.08 | 4.38 | 0.84 | 0.09 | 6.61 | 0.75 | 0.06 | 7.78 | 0.64 | 0.11 |
| JXALTZ | 5.00 | -0.01 | 0.07 | 6.76 | -0.24 | 0.25 | 4.17 | -0.33 | 0.16 | 6.48 | 0.06 | 0.11 | 7.85 | 0.90 | 0.17 |
| PPJYH7 | 4.94 | -0.28 | 0.88 | 6.76 | -0.23 | 0.29 | 4.15 | -0.45 | 0.47 | 6.40 | -0.40 | 0.27 | 7.63 | 0.10 | 0.30 |
| QZA8GY | 4.96 | -0.18 | 0.31 | 6.74 | -0.30 | 0.21 | 4.21 | -0.12 | 0.63 | 6.27 | -1.12 | 0.48 | 7.45 | -0.56 | 0.69 |
| QZVJF8 | 5.24 | 0.97 | | 7.14 | 0.84 | | 4.34 | 0.63 | | 6.53 | 0.33 | | 7.60 | -0.01 | |
| TQJCHV | 4.45 | -2.33 | 0.19 | 6.12 | -2.07 | 0.25 | 3.64 | -3.36 | 0.86 | 6.18 | -1.61 | 0.06 | 7.54 | -0.23 | 0.23 |
| YL6GER | 4.97 | -0.14 | 0.43 | 6.85 | 0.01 | 0.42 | 4.18 | -0.29 | 0.33 | 6.45 | -0.09 | 0.06 | 7.60 | 0.00 | 0.13 |

### pH - sp (SubTestCode 102) in the Salinity Property Groups — Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZTKTVQ | 4.17 | -3.48 | | 6.31 | -1.52 | | 5.22 | 5.64X | | 6.40 | -0.38 | | 7.01 | -2.13 | |

### pH - sp (SubTestCode 102) in the Salinity Property Groups — Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 5.01 | 6.85 | 4.23 | 6.47 | 7.60 |
| Median Abs Dev | 0.12 | 0.19 | 0.08 | 0.09 | 0.12 |
| Avg Within Lab SD | 0.08 | 0.14 | 0.06 | 0.09 | 0.09 |
| Labs Included | 25 | 26 | 26 | 26 | 27 |
| Labs Reporting | 27 | 27 | 27 | 27 | 27 |

**ECe - sp (SubTestCode 103) in the Salinity Property Groups**  Data units: dS/m

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 1.82 | -0.49 | 0.30 | 0.55 | 1.60 | 1.53 | 4.23 | 0.28 | 0.10 | 3.55 | -0.09 | 1.36 | 2.18 | -0.29 | 0.66 |
| 2W2DFK | 1.86 | -0.37 | 0.32 | 0.46 | 0.50 | 0.23 | 3.81 | -0.41 | 1.01 | 3.61 | 0.01 | 0.73 | 2.22 | -0.17 | 0.44 |
| 3GXKWM | 1.70 | -0.89 | | 0.50 | 1.03 | | 4.10 | 0.07 | | 3.70 | 0.16 | | 2.50 | 0.67 | |
| 3U6BYV | 1.65 | -1.06 | | 0.54 | 1.52 | | 3.69 | -0.60 | | 2.98 | -1.10 | | 2.21 | -0.21 | |
| 3WWADT | 1.99 | 0.06 | 0.98 | 0.40 | -0.15 | 0.94 | 3.54 | -0.85 | 3.51 | 1.99 | -2.83 | 3.62 | 2.28 | 0.01 | 3.63 |
| 4F7LHP | 1.97 | 0.00 | 0.66 | 0.39 | -0.28 | 0.04 | 4.06 | 0.00 | 0.29 | 3.68 | 0.14 | 0.55 | 2.30 | 0.06 | 0.61 |
| 6PQCHL | 2.21 | 0.79 | | 0.37 | -0.56 | | 4.69 | 1.04 | | 4.11 | 0.88 | | 2.60 | 0.98 | |
| 7ZNKQG | 1.52 | -1.49 | 1.79 | 0.33 | -1.01 | 0.50 | 3.06 | -1.63 | 0.66 | 2.83 | -1.36 | 0.71 | 1.79 | -1.50 | 1.07 |
| 8LG4AD | 2.13 | 0.53 | 0.67 | 0.40 | -0.19 | 0.00 | 4.21 | 0.24 | 1.08 | 3.69 | 0.15 | 0.35 | 2.35 | 0.22 | 0.46 |
| 8Q9F3N | 1.97 | 0.00 | 0.52 | 0.43 | 0.18 | 1.07 | 3.94 | -0.19 | 0.53 | 3.61 | 0.01 | 0.40 | 2.28 | -0.01 | 0.93 |
| 9D3RFD | 0.56 | -4.65X | 0.73 | 2.18 | 21.50X | 4.27 | 4.12 | 0.10 | 0.52 | 3.78 | 0.30 | 0.33 | 7.84 | 16.94X | 0.18 |
| CMCHHD | 2.01 | 0.13 | 0.19 | 0.45 | 0.44 | 0.25 | 4.10 | 0.07 | 0.03 | 3.55 | -0.10 | 0.01 | 2.26 | -0.06 | 0.05 |
| CWMK4E | 1.69 | -0.93 | 0.08 | 0.43 | 0.15 | 0.09 | 3.71 | -0.58 | 0.11 | 3.22 | -0.68 | 0.01 | 1.86 | -1.27 | 0.02 |
| DFEY7A | 2.04 | 0.23 | 0.67 | 0.49 | 0.87 | 0.94 | 3.91 | -0.24 | 0.04 | 3.45 | -0.27 | 0.28 | 2.45 | 0.51 | 0.20 |
| DUEXT8 | 2.13 | 0.54 | 0.80 | 0.55 | 1.60 | 3.63 | 4.44 | 0.62 | 1.20 | 3.94 | 0.58 | 0.72 | 2.47 | 0.57 | 0.55 |
| FJLEZH | 0.70 | -4.21X | 0.09 | 0.18 | -2.88X | 0.02 | 1.19 | -4.69X | 0.04 | 1.09 | -4.41X | 0.06 | 0.87 | -4.28X | 0.04 |
| FWAGJB | 2.18 | 0.69 | 0.24 | 0.39 | -0.35 | 0.04 | 4.15 | 0.15 | 0.04 | 3.61 | 0.00 | 0.03 | 2.56 | 0.85 | 0.13 |
| HH9DJ3 | 1.95 | -0.06 | 0.54 | 0.35 | -0.75 | 0.24 | 3.24 | -1.33 | 0.59 | 3.58 | -0.05 | 0.35 | 2.26 | -0.07 | 1.31 |
| JK7EW4 | 1.71 | -0.86 | 2.05 | 0.36 | -0.72 | 1.02 | 3.40 | -1.08 | 1.51 | 3.26 | -0.60 | 1.47 | 1.98 | -0.90 | 0.53 |
| JQCYVA | 1.83 | -0.46 | 0.18 | 0.34 | -0.88 | 0.19 | 3.00 | -1.74 | 0.30 | 3.34 | -0.46 | 0.26 | 2.15 | -0.39 | 0.34 |
| JXALTZ | 2.16 | 0.62 | 1.14 | 0.48 | 0.74 | 0.62 | 4.14 | 0.13 | 0.71 | 3.68 | 0.12 | 0.32 | 2.42 | 0.42 | 0.31 |
| PPJYH7 | 1.69 | -0.92 | 0.91 | 0.35 | -0.82 | 0.53 | 3.30 | -1.24 | 0.18 | 2.95 | -1.15 | 1.38 | 2.09 | -0.58 | 1.12 |
| QZA8GY | 2.30 | 1.09 | 0.00 | 0.48 | 0.79 | 0.00 | 4.67 | 1.00 | 0.24 | 4.10 | 0.87 | 0.00 | 2.77 | 1.49 | 0.50 |
| QZVJF8 | 1.77 | -0.66 | | 0.36 | -0.68 | | 3.98 | -0.13 | | 3.20 | -0.71 | | 2.02 | -0.79 | |
| TQJCHV | 2.16 | 0.61 | 0.18 | 0.47 | 0.66 | 0.41 | 4.56 | 0.82 | 1.05 | 4.92 | 2.31 | 0.08 | 2.80 | 1.60 | 0.31 |
| XR3PAN | 2.04 | 0.23 | 0.48 | 0.39 | -0.26 | 0.02 | 4.07 | 0.01 | 0.65 | 3.64 | 0.05 | 0.14 | 2.40 | 0.35 | 0.39 |

**ECe - sp (SubTestCode 103) in the Salinity Property Groups**

Data units: dS/m

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| YL6GER | 2.39 | 1.37 | 2.72 | 0.44 | 0.34 | 0.47 | 4.69 | 1.04 | 0.38 | 4.21 | 1.05 | 0.57 | 2.46 | 0.55 | 0.53 |
| ZTKTVQ | 1.23 | -2.46 | | 0.38 | -0.48 | | 2.46 | -2.62 | | 2.37 | -2.18 | | 1.28 | -3.03 | |

**ECe - sp (SubTestCode 103) in the Salinity Property Groups**

Data units: dS/m

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|------|------|------|------|------|
| **Grand Median** | 1.97 | 0.42 | 4.06 | 3.61 | 2.28 |
| **Median Abs Dev** | 0.19 | 0.06 | 0.35 | 0.26 | 0.17 |
| **Avg Within Lab SD** | 0.08 | 0.02 | 0.24 | 0.18 | 0.12 |
| **Labs Included** | 26 | 26 | 27 | 27 | 26 |
| **Labs Reporting** | 28 | 28 | 28 | 28 | 28 |

**HCO3 -sp (SubTestCode 104) in the Salinity Property Groups**  **Data units: mmolc/L**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3U6BYV** | | | | | | | | | | 3.00 | 0.00 | | | | |
| **3WWADT** | 0.58 | 4.75X | 2.70 | 2.96 | 0.61 | 2.24 | 0.52 | 1.72 | 2.62 | 3.36 | 0.23 | 2.00 | 2.75 | 1.51 | 1.40 |
| **DFEY7A** | 0.20 | 0.12 | 0.00 | 3.73 | 1.23 | 1.13 | 0.20 | 0.23 | 0.00 | 4.47 | 0.95 | 0.71 | 2.53 | 1.16 | 1.15 |
| **DUEXT8** | 0.23 | 0.49 | 1.21 | 1.84 | -0.28 | 0.20 | 0.10 | -0.23 | 0.00 | 1.35 | -1.07 | 0.25 | 1.45 | -0.55 | 1.00 |
| **HH9DJ3** | 0.27 | 0.94 | 2.49 | 2.18 | -0.01 | 1.56 | 0.06 | -0.41 | 0.87 | 3.21 | 0.13 | 1.30 | 1.80 | 0.00 | 1.74 |
| **JK7EW4** | 0.19 | 0.00 | 0.47 | 0.63 | -1.25 | 0.25 | 0.08 | -0.33 | 0.32 | 1.35 | -1.06 | 0.50 | 1.71 | -0.15 | 1.38 |
| **JQCYVA** | 0.15 | -0.52 | 0.23 | 2.20 | 0.01 | 0.40 | 0.07 | -0.35 | 0.28 | 2.60 | -0.26 | 0.75 | 1.80 | 0.00 | 0.75 |
| **JXALTZ** | 0.40 | 2.58 | 0.00 | 1.60 | -0.47 | 0.00 | 0.20 | 0.23 | 0.00 | 1.80 | -0.78 | 0.00 | 1.60 | -0.32 | 0.00 |
| **QZA8GY** | | | | 2.62 | 0.34 | 0.94 | | | | 4.18 | 0.76 | 0.33 | 1.92 | 0.20 | 0.41 |
| **QZVJF8** | 0.18 | -0.12 | | 2.51 | 0.25 | | 0.50 | 1.64 | | 4.44 | 0.93 | | 2.02 | 0.35 | |
| **TQJCHV** | 0.13 | -0.74 | 0.16 | 0.47 | -1.38 | 0.10 | | | | 1.69 | -0.84 | 0.46 | 0.81 | -1.56 | 0.15 |
| **XR3PAN** | 0.15 | -0.55 | 0.11 | 2.98 | 0.63 | 0.34 | 0.43 | 1.30 | 0.46 | 3.17 | 0.11 | 1.61 | 1.81 | 0.02 | 0.10 |
| **ZTKTVQ** | | | | 0.13 | -1.64 | | 0.09 | -0.30 | | 0.47 | -1.64 | | 0.37 | -2.26 | |

**HCO3 -sp (SubTestCode 104) in the Salinity Property Groups**  **Data units: mmolc/L**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 0.19 | 2.19 | 0.15 | 3.00 | 1.80 |
| **Median Abs Dev** | 0.04 | 0.68 | 0.07 | 1.20 | 0.21 |
| **Avg Within Lab SD** | 0.06 | 0.20 | 0.05 | 0.16 | 0.10 |
| **Labs Included** | 9 | 12 | 10 | 13 | 12 |
| **Labs Reporting** | 10 | 12 | 10 | 13 | 12 |

## K - sp (SubTestCode 105) in the Salinity Property Groups

Data units: mmolc/L

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2W2DFK | 0.55 | -0.73 | 0.20 | 0.31 | 0.12 | 0.00 | 3.17 | -0.03 | 0.81 | 2.27 | 0.00 | 0.69 | 0.54 | 0.00 | 0.10 |
| 3U6BYV | 3.68 | 34.52X | | 0.47 | 3.87X | | 2.96 | -0.43 | | 2.04 | -0.52 | | 0.61 | 0.67 | |
| 3WWADT | 0.64 | 0.28 | 0.98 | 0.31 | 0.12 | 2.97 | 3.11 | -0.15 | 2.99 | 1.47 | -1.83 | 2.95 | 0.75 | 2.02 | 4.19 |
| 6PQCH2 | 0.60 | -0.17 | | 0.31 | 0.12 | | 3.66 | 0.86 | | 2.53 | 0.61 | | 0.55 | 0.10 | |
| 6PQCHL | 0.62 | 0.06 | | 0.32 | 0.35 | | 3.58 | 0.72 | | 2.49 | 0.52 | | 0.54 | 0.00 | |
| 7ZNKQG | 0.41 | -2.27 | 0.96 | 0.20 | -2.40 | 0.45 | 2.62 | -1.06 | 0.80 | 1.86 | -0.95 | 0.69 | 0.35 | -1.79 | 0.20 |
| 8LG4AD | 0.53 | -0.92 | 1.13 | 0.30 | -0.12 | 0.00 | 2.87 | -0.60 | 1.04 | 1.90 | -0.85 | 0.00 | 0.40 | -1.34 | 0.00 |
| 8Q9F3N | 0.49 | -1.45 | 0.97 | 0.24 | -1.45 | 1.62 | 2.83 | -0.66 | 1.00 | 1.93 | -0.79 | 1.28 | 0.41 | -1.28 | 0.34 |
| CMCHHD | 0.59 | -0.24 | 0.21 | 0.27 | -0.71 | 0.28 | 3.19 | 0.00 | 0.07 | 2.04 | -0.53 | 0.16 | 0.47 | -0.68 | 0.04 |
| CWMK4E | 0.58 | -0.44 | 0.39 | 0.28 | -0.65 | 0.64 | 2.98 | -0.40 | 0.62 | 2.00 | -0.62 | 0.61 | 0.41 | -1.27 | 0.05 |
| DFEY7A | 0.67 | 0.58 | 0.57 | 0.37 | 1.60 | 0.65 | 3.71 | 0.95 | 0.18 | 2.62 | 0.82 | 0.27 | 0.62 | 0.80 | 0.15 |
| DUEXT8 | 0.62 | 0.10 | 0.45 | 0.34 | 0.84 | 0.77 | 3.71 | 0.96 | 0.58 | 2.48 | 0.48 | 0.56 | 0.56 | 0.22 | 0.09 |
| FWAGJ2 | 0.70 | 1.00 | 0.11 | 0.31 | 0.04 | 0.32 | 3.59 | 0.73 | 0.09 | 2.59 | 0.75 | 0.66 | 0.57 | 0.32 | 0.11 |
| FWAGJB | 0.67 | 0.58 | 0.11 | 0.33 | 0.51 | 0.65 | 3.72 | 0.97 | 0.40 | 2.57 | 0.71 | 0.43 | 0.54 | 0.00 | 0.10 |
| JK7EW4 | 0.65 | 0.43 | 2.83 | 0.25 | -1.37 | 0.86 | 2.88 | -0.57 | 1.84 | 2.09 | -0.42 | 1.62 | 0.60 | 0.54 | 0.30 |
| JQCYVA | 0.63 | 0.20 | 0.54 | 0.34 | 0.81 | 1.07 | 2.90 | -0.53 | 0.46 | 2.41 | 0.32 | 0.93 | 0.56 | 0.24 | 0.28 |
| JXALTZ | 0.61 | -0.06 | 0.39 | 0.30 | -0.04 | 0.32 | 3.54 | 0.64 | 0.22 | 2.44 | 0.39 | 0.69 | 0.52 | -0.22 | 0.06 |
| QZA8GY | 0.63 | 0.13 | 0.11 | 0.29 | -0.27 | 0.65 | 3.74 | 1.00 | 0.38 | 2.52 | 0.58 | 0.19 | 0.56 | 0.19 | 0.00 |
| QZVJF8 | 0.52 | -1.07 | | 0.28 | -0.59 | | 2.85 | -0.63 | | 1.62 | -1.49 | | 0.40 | -1.31 | |
| TQJCHV | 0.54 | -0.85 | 0.05 | 0.29 | -0.30 | 1.04 | 3.48 | 0.52 | 0.85 | 2.23 | -0.10 | 0.19 | 0.46 | -0.76 | 0.01 |
| XR3PAN | 0.64 | 0.24 | 0.11 | 0.33 | 0.48 | 0.36 | 3.41 | 0.41 | 0.43 | 2.41 | 0.33 | 0.15 | 0.55 | 0.06 | 0.10 |
| YL6GER | 0.73 | 1.33 | 2.16 | 0.34 | 0.74 | 0.86 | 3.64 | 0.83 | 0.26 | 2.45 | 0.43 | 1.10 | 0.52 | -0.22 | 0.11 |
| ZTKTVQ | 0.46 | -1.71 | | 0.25 | -1.23 | | 2.19 | -1.86 | | 1.63 | -1.47 | | 0.39 | -1.47 | |

**K - sp (SubTestCode 105) in the Salinity Property Groups**   Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.62 | 0.31 | 3.19 | 2.27 | 0.54 |
| Median Abs Dev | 0.05 | 0.02 | 0.35 | 0.25 | 0.06 |
| Avg Within Lab SD | 0.05 | 0.02 | 0.20 | 0.09 | 0.10 |
| Labs Included | 22 | 22 | 23 | 23 | 23 |
| Labs Reporting | 23 | 23 | 23 | 23 | 23 |

**Ca - sp (SubTestCode 106) in the Salinity Property Groups**  Data units: mmolc/L

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 9.66 | 0.19 | 1.17 | 2.57 | 1.83 | 2.06 | 27.07 | 0.87 | 0.55 | 26.25 | 0.20 | 1.46 | 14.95 | 0.19 | 0.63 |
| 2W2DFK | 8.55 | -0.54 | 0.48 | 2.20 | 0.70 | 0.76 | 22.10 | -0.20 | 0.60 | 25.35 | 0.00 | 0.49 | 13.75 | -0.28 | 0.56 |
| 3U6BYV | 6.16 | -2.12 | | 2.21 | 0.73 | | 15.77 | -1.57 | | 22.18 | -0.69 | | 7.74 | -2.68 | |
| 3WWADT | 9.27 | -0.06 | 0.94 | 2.02 | 0.16 | 2.48 | 20.53 | -0.54 | 3.46 | 13.56 | -2.56 | 3.00 | 13.60 | -0.35 | 2.90 |
| 6PQCH2 | 9.60 | 0.16 | | 1.84 | -0.39 | | 26.70 | 0.79 | | 28.00 | 0.58 | | 15.60 | 0.45 | |
| 6PQCHL | 10.60 | 0.82 | | 1.76 | -0.64 | | 29.10 | 1.31 | | 30.70 | 1.16 | | 16.50 | 0.81 | |
| 7ZNKQG | 8.32 | -0.69 | 2.52 | 1.70 | -0.81 | 0.78 | 20.30 | -0.59 | 0.44 | 22.50 | -0.62 | 0.51 | 11.20 | -1.30 | 0.70 |
| 8LG4AD | 9.36 | 0.00 | 0.40 | 1.62 | -1.07 | 0.58 | 22.53 | -0.11 | 0.74 | 23.73 | -0.35 | 0.04 | 12.93 | -0.61 | 0.65 |
| 8Q9F3N | 8.95 | -0.28 | 0.52 | 1.94 | -0.10 | 0.54 | 22.67 | -0.08 | 0.65 | 24.57 | -0.17 | 0.61 | 13.40 | -0.43 | 0.64 |
| CMCHHD | 9.99 | 0.42 | 0.53 | 1.89 | -0.24 | 0.53 | 23.91 | 0.19 | 0.51 | 23.42 | -0.42 | 0.20 | 13.69 | -0.31 | 0.20 |
| CWMK4E | 8.18 | -0.78 | 0.06 | 1.87 | -0.31 | 0.42 | 21.01 | -0.44 | 0.44 | 22.41 | -0.64 | 0.34 | 11.49 | -1.19 | 0.74 |
| DFEY7A | 9.27 | -0.06 | 0.41 | 2.33 | 1.11 | 0.44 | 23.03 | 0.00 | 0.08 | 24.47 | -0.19 | 0.10 | 14.47 | 0.00 | 0.15 |
| DUEXT8 | 9.80 | 0.29 | 0.30 | 2.35 | 1.15 | 0.99 | 25.90 | 0.62 | 0.84 | 27.62 | 0.49 | 0.79 | 14.57 | 0.04 | 0.75 |
| FWAGJ2 | 11.93 | 1.70 | 0.20 | 2.23 | 0.80 | 0.25 | 26.35 | 0.72 | 0.20 | 28.90 | 0.77 | 0.16 | 17.87 | 1.36 | 0.06 |
| FWAGJB | 10.05 | 0.46 | 0.17 | 2.08 | 0.33 | 0.12 | 28.20 | 1.12 | 0.15 | 30.40 | 1.10 | 0.11 | 16.38 | 0.76 | 0.12 |
| HH9DJ3 | 8.55 | -0.54 | 1.22 | 1.86 | -0.35 | 1.36 | 19.00 | -0.87 | 1.20 | 26.22 | 0.19 | 0.64 | 13.96 | -0.20 | 2.59 |
| JK7EW4 | 7.64 | -1.14 | 1.40 | 1.44 | -1.60 | 1.38 | 19.42 | -0.78 | 1.05 | 21.27 | -0.88 | 1.53 | 11.53 | -1.17 | 0.56 |
| JQCYVA | 9.33 | -0.02 | 0.43 | 1.94 | -0.09 | 0.22 | 18.23 | -1.04 | 0.28 | 25.31 | -0.01 | 0.77 | 14.50 | 0.01 | 0.26 |
| JXALTZ | 11.63 | 1.51 | 1.30 | 2.58 | 1.86 | 0.53 | 27.53 | 0.97 | 0.35 | 29.33 | 0.86 | 0.10 | 15.83 | 0.55 | 0.11 |
| LQLM97 | 126.20 | 77.50X | 0.70 | 24.25 | 67.70X | 1.14 | 260.40 | 51.30X | 2.84 | 159.77 | 29.18X | 4.71 | 157.37 | 57.01X | 0.15 |
| QZA8GY | 22.13 | 8.47X | 0.23 | 4.48 | 7.63X | 0.26 | 57.80 | 7.51X | 0.66 | 59.53 | 7.42X | 0.26 | 36.00 | 8.59X | 0.39 |
| QZVJF8 | 7.61 | -1.16 | | 1.68 | -0.88 | | 22.20 | -0.18 | | 18.50 | -1.49 | | 10.40 | -1.62 | |
| TQJCHV | 11.43 | 1.37 | 0.07 | 2.07 | 0.30 | 0.12 | 29.50 | 1.40 | 1.04 | 31.74 | 1.39 | 0.07 | 17.23 | 1.10 | 0.01 |
| XR3PAN | 9.81 | 0.29 | 0.14 | 1.97 | 0.00 | 0.62 | 24.96 | 0.42 | 0.05 | 25.41 | 0.01 | 0.02 | 14.65 | 0.07 | 0.52 |
| YL6GER | 10.71 | 0.89 | 1.94 | 2.00 | 0.08 | 0.77 | 26.32 | 0.71 | 0.34 | 28.81 | 0.75 | 1.67 | 14.49 | 0.01 | 0.06 |
| ZTKTVQ | 2.57 | -4.50X | | 0.70 | -3.87X | | 6.80 | -3.51X | | 7.65 | -3.84X | | 3.67 | -4.31X | |

**Ca - sp (SubTestCode 106) in the Salinity Property Groups**  Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 9.36 | 1.97 | 23.0 | 25.4 | 14.5 |
| **Median Abs Dev** | 0.81 | 0.21 | 3.3 | 2.8 | 1.1 |
| **Avg Within Lab SD** | 0.51 | 0.13 | 1.8 | 1.6 | 1.0 |
| **Labs Included** | 23 | 23 | 23 | 23 | 23 |
| **Labs Reporting** | 26 | 26 | 26 | 26 | 26 |

**Mg - sp (SubTestCode 107) in the Salinity Property Groups**    Data units: mmolc/L

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 8.03 | 0.19 | 1.13 | 1.83 | 1.70 | 1.35 | 9.54 | 0.63 | 0.42 | 11.10 | 0.13 | 1.23 | 8.69 | 0.31 | 0.63 |
| 2W2DFK | 6.61 | -0.78 | 0.51 | 1.51 | 0.38 | 0.50 | 7.13 | -0.95 | 0.40 | 10.01 | -0.46 | 0.36 | 7.27 | -0.56 | 0.67 |
| 3U6BYV | 4.86 | -1.98 | | 1.76 | 1.42 | | 7.15 | -0.94 | | 9.47 | -0.75 | | 5.59 | -1.57 | |
| 3WWADT | 7.74 | -0.01 | 1.59 | 1.49 | 0.33 | 1.76 | 7.20 | -0.91 | 3.38 | 5.67 | -2.80 | 3.35 | 7.84 | -0.21 | 3.35 |
| 6PQCH2 | 8.14 | 0.26 | | 1.32 | -0.38 | | 9.42 | 0.56 | | 12.50 | 0.88 | | 9.25 | 0.64 | |
| 6PQCHL | 8.64 | 0.60 | | 1.35 | -0.26 | | 9.21 | 0.42 | | 12.20 | 0.72 | | 9.38 | 0.72 | |
| 7ZNKQG | 5.70 | -1.40 | 1.78 | 1.08 | -1.37 | 0.32 | 6.79 | -1.18 | 0.38 | 9.11 | -0.95 | 0.35 | 5.93 | -1.37 | 0.82 |
| 8LG4AD | 7.27 | -0.33 | 0.16 | 1.23 | -0.74 | 0.63 | 8.30 | -0.18 | 1.08 | 9.70 | -0.63 | 0.27 | 7.50 | -0.42 | 1.23 |
| 8Q9F3N | 7.31 | -0.31 | 0.98 | 1.33 | -0.36 | 0.33 | 7.93 | -0.42 | 1.09 | 10.41 | -0.25 | 0.92 | 7.57 | -0.37 | 0.87 |
| CMCHHD | 7.72 | -0.02 | 0.30 | 1.37 | -0.19 | 0.26 | 8.29 | -0.19 | 0.10 | 9.93 | -0.50 | 0.08 | 7.41 | -0.47 | 0.11 |
| CWMK4E | 6.47 | -0.88 | 0.26 | 1.36 | -0.23 | 0.14 | 7.32 | -0.83 | 0.23 | 9.34 | -0.82 | 0.28 | 5.74 | -1.48 | 0.25 |
| DFEY7A | 8.07 | 0.21 | 0.56 | 1.83 | 1.72 | 1.25 | 8.63 | 0.04 | 0.09 | 10.63 | -0.12 | 0.09 | 9.00 | 0.49 | 0.20 |
| DUEXT8 | 7.77 | 0.01 | 0.33 | 1.71 | 1.22 | 2.26 | 8.76 | 0.12 | 0.66 | 11.22 | 0.19 | 0.60 | 8.20 | 0.01 | 0.67 |
| FWAGJ2 | 9.94 | 1.49 | 0.26 | 1.44 | 0.12 | 0.17 | 9.45 | 0.57 | 0.39 | 12.72 | 1.01 | 0.45 | 10.61 | 1.47 | 0.26 |
| FWAGJB | 8.56 | 0.55 | 0.26 | 1.51 | 0.38 | 0.17 | 9.36 | 0.52 | 0.20 | 12.39 | 0.83 | 0.20 | 8.86 | 0.41 | 0.11 |
| HH9DJ3 | 6.84 | -0.62 | 1.33 | 1.37 | -0.16 | 1.48 | 6.47 | -1.39 | 1.39 | 10.83 | -0.02 | 0.71 | 7.36 | -0.50 | 1.42 |
| JK7EW4 | 7.74 | -0.01 | 1.22 | 1.25 | -0.67 | 1.60 | 8.66 | 0.05 | 1.41 | 10.89 | 0.02 | 2.10 | 7.97 | -0.13 | 1.07 |
| JQCYVA | 7.64 | -0.08 | 0.34 | 1.39 | -0.09 | 0.29 | 6.18 | -1.58 | 0.15 | 10.46 | -0.22 | 0.52 | 8.20 | 0.00 | 0.49 |
| JXALTZ | 8.81 | 0.72 | 1.27 | 1.62 | 0.86 | 0.27 | 9.35 | 0.51 | 0.33 | 12.17 | 0.70 | 0.09 | 8.74 | 0.33 | 0.11 |
| LQLM97 | 11.57 | 2.60 | 0.10 | 10.94 | 39.08X | 2.28 | 11.67 | 2.04 | 0.17 | 11.57 | 0.38 | 0.15 | 11.78 | 2.18 | 0.13 |
| QZA8GY | 18.64 | 7.43X | 2.93 | 3.33 | 7.85X | 0.88 | 19.47 | 7.19X | 0.70 | 24.87 | 7.57X | 0.18 | 19.71 | 6.97X | 0.28 |
| QZVJF8 | 6.25 | -1.03 | | 1.02 | -1.61 | | 7.67 | -0.60 | | 7.90 | -1.60 | | 5.98 | -1.34 | |
| TQJCHV | 9.29 | 1.05 | 0.40 | 1.61 | 0.82 | 0.92 | 10.28 | 1.13 | 0.87 | 13.53 | 1.44 | 0.01 | 9.73 | 0.94 | 0.64 |
| XR3PAN | 8.20 | 0.30 | 0.33 | 1.53 | 0.49 | 0.15 | 8.52 | -0.04 | 0.42 | 11.40 | 0.29 | 0.16 | 8.63 | 0.27 | 0.63 |
| YL6GER | 8.85 | 0.75 | 2.40 | 1.41 | 0.00 | 0.80 | 9.17 | 0.39 | 0.18 | 11.72 | 0.46 | 0.36 | 8.18 | 0.00 | 0.37 |
| ZTKTVQ | 2.03 | -3.91X | | 0.46 | -3.93X | | 2.31 | -4.13X | | 3.11 | -4.19X | | 1.96 | -3.77X | |

**Mg - sp (SubTestCode 107) in the Salinity Property Groups**  Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 7.76 | 1.41 | 8.58 | 10.9 | 8.19 |
| Median Abs Dev | 0.84 | 0.09 | 0.86 | 1.0 | 0.79 |
| Avg Within Lab SD | 0.37 | 0.09 | 0.65 | 0.7 | 0.49 |
| Labs Included | 24 | 23 | 24 | 24 | 24 |
| Labs Reporting | 26 | 26 | 26 | 26 | 26 |

**Na - sp (SubTestCode 108) in the Salinity Property Groups**　　　　　　　　　　　　　　　　　　　　Data units: mmolc/L

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 0.30 | 0.12 | 0.76 | 0.80 | 1.04 | 0.47 | 1.95 | 0.47 | 0.20 | 1.57 | 0.38 | 0.34 | 0.53 | -0.67 | 0.67 |
| 2W2DFK | 0.26 | -0.55 | 0.00 | 0.68 | -0.23 | 0.53 | 1.57 | -0.53 | 0.31 | 1.36 | -0.40 | 0.72 | 0.54 | -0.56 | 0.77 |
| 3U6BYV | 1.41 | 20.72X | | 1.00 | 3.13X | | 2.23 | 1.22 | | 1.75 | 1.02 | | 1.23 | 7.55X | |
| 3WWADT | 0.42 | 2.34 | 2.12 | 0.77 | 0.65 | 2.70 | 1.45 | -0.85 | 1.31 | 0.78 | -2.49 | 2.59 | 0.62 | 0.46 | 2.07 |
| 6PQCH2 | 0.26 | -0.55 | | 0.67 | -0.37 | | 1.90 | 0.35 | | 1.60 | 0.47 | | 0.60 | 0.18 | |
| 6PQCHL | 0.28 | -0.18 | | 0.71 | 0.05 | | 1.93 | 0.42 | | 1.61 | 0.51 | | 0.62 | 0.42 | |
| 7ZNKQG | 0.45 | 3.04 | 0.89 | 0.59 | -1.25 | 0.47 | 1.54 | -0.60 | 0.24 | 1.41 | -0.20 | 0.61 | 0.58 | -0.03 | 1.46 |
| 8LG4AD | 0.62 | 6.17X | 2.01 | 0.80 | 1.04 | 2.20 | 2.28 | 1.34 | 4.03 | 1.46 | -0.02 | 0.74 | 0.78 | 2.32 | 2.01 |
| 8Q9F3N | 0.28 | -0.18 | 1.09 | 0.61 | -0.97 | 0.28 | 1.52 | -0.66 | 0.37 | 1.37 | -0.35 | 1.47 | 0.52 | -0.79 | 1.23 |
| CMCHHD | 0.29 | -0.06 | 0.56 | 0.67 | -0.39 | 0.30 | 1.67 | -0.25 | 0.07 | 1.31 | -0.56 | 0.02 | 0.54 | -0.52 | 0.31 |
| CWMK4E | 0.26 | -0.48 | 0.45 | 0.63 | -0.77 | 0.31 | 1.28 | -1.29 | 0.05 | 0.95 | -1.88 | 0.41 | 0.44 | -1.74 | 0.25 |
| DFEY7A | 0.37 | 1.42 | 1.74 | 0.70 | -0.05 | 0.00 | 1.57 | -0.53 | 0.21 | 1.40 | -0.25 | 0.00 | 0.60 | 0.18 | 0.00 |
| DUEXT8 | 0.34 | 0.99 | 0.42 | 0.82 | 1.22 | 1.09 | 1.97 | 0.53 | 0.21 | 1.68 | 0.77 | 1.95 | 0.67 | 1.00 | 1.42 |
| FWAGJ2 | 0.33 | 0.80 | 0.17 | 0.73 | 0.30 | 0.28 | 1.93 | 0.42 | 0.10 | 1.50 | 0.12 | 0.23 | 0.65 | 0.77 | 0.27 |
| FWAGJB | 0.29 | 0.00 | 0.00 | 0.78 | 0.76 | 0.11 | 1.98 | 0.56 | 0.24 | 1.61 | 0.50 | 0.28 | 0.62 | 0.46 | 0.31 |
| HH9DJ3 | 0.34 | 0.96 | 1.58 | 0.75 | 0.47 | 1.35 | 1.53 | -0.64 | 0.89 | 1.66 | 0.67 | 0.87 | 0.60 | 0.16 | 1.20 |
| JK7EW4 | 0.33 | 0.80 | 1.74 | 0.60 | -1.11 | 1.85 | 1.43 | -0.89 | 0.55 | 1.23 | -0.86 | 1.69 | 0.53 | -0.60 | 1.54 |
| JQCYVA | 0.28 | -0.19 | 0.51 | 0.75 | 0.51 | 0.09 | 1.38 | -1.02 | 0.20 | 1.47 | 0.00 | 0.50 | 0.59 | 0.03 | 0.12 |
| JXALTZ | 0.28 | -0.25 | 0.51 | 0.73 | 0.31 | 0.31 | 1.78 | 0.04 | 0.14 | 1.54 | 0.25 | 0.11 | 0.55 | -0.35 | 0.15 |
| LQLM97 | 21.14 | 385.75X | 14.33 | 32.55 | 337.48X | 8.43 | 35.28 | 88.46X | 0.42 | 44.33 | 155.26X | 4.05 | 31.93 | 366.42X | 4.94 |
| QZA8GY | 0.26 | -0.62 | 0.17 | 0.69 | -0.16 | 0.19 | 1.98 | 0.57 | 0.05 | 1.64 | 0.62 | 0.11 | 0.61 | 0.26 | 0.15 |
| QZVJF8 | 0.30 | 0.13 | | 0.66 | -0.48 | | 1.65 | -0.31 | | 1.12 | -1.27 | | 0.43 | -1.80 | |
| TQJCHV | 0.32 | 0.49 | 1.06 | 0.74 | 0.34 | 0.11 | 2.34 | 1.51 | 0.61 | 1.75 | 1.02 | | 0.60 | 0.22 | 0.41 |
| XR3PAN | 0.30 | 0.18 | 0.59 | 0.77 | 0.65 | 0.10 | 1.77 | 0.00 | 0.18 | 1.58 | 0.39 | 0.36 | 0.58 | -0.10 | 0.45 |
| YL6GER | 0.27 | -0.37 | 0.80 | 0.66 | -0.48 | 0.49 | 1.77 | 0.01 | 0.13 | 1.43 | -0.16 | 0.67 | 0.54 | -0.48 | 0.67 |
| ZTKTVQ | 0.25 | -0.80 | | 0.46 | -2.57 | | 1.07 | -1.85 | | 0.99 | -1.73 | | 0.40 | -2.10 | |

**Na - sp (SubTestCode 108) in the Salinity Property Groups**  Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.29 | 0.71 | 1.77 | 1.47 | 0.58 |
| Median Abs Dev | 0.03 | 0.05 | 0.21 | 0.14 | 0.04 |
| Avg Within Lab SD | 0.03 | 0.05 | 0.28 | 0.09 | 0.04 |
| Labs Included | 23 | 24 | 25 | 25 | 24 |
| Labs Reporting | 26 | 26 | 26 | 26 | 26 |

**SAR - sp (SubTestCode 109) in the Salinity Property Groups**  **Data units: value**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 0.10 | -0.10 | 0.49 | 0.50 | -0.55 | 0.30 | 0.41 | -0.27 | 0.15 | 0.32 | -0.55 | 0.62 | 0.17 | -0.18 | 0.14 |
| 3U6BYV | 0.60 | 14.81X | | 0.71 | 3.06X | | 0.66 | 4.64X | | 0.44 | 1.83 | | 0.48 | 7.61X | |
| 3WWADT | 0.14 | 1.28 | 2.15 | 0.57 | 0.67 | 1.92 | 0.39 | -0.66 | 0.67 | 0.25 | -1.95 | 1.85 | 0.20 | 0.56 | 0.57 |
| 6PQCHL | | | | 0.53 | -0.09 | | 0.45 | 0.52 | | 0.36 | 0.24 | | 0.17 | -0.10 | |
| 7ZNKQG | 0.17 | 2.13 | 0.23 | 0.50 | -0.65 | 0.77 | 0.42 | -0.06 | 0.14 | 0.36 | 0.14 | 0.61 | 0.20 | 0.61 | 0.17 |
| 8LG4AD | 0.22 | 3.46 | 1.78 | 0.67 | 2.42 | 2.84 | 0.57 | 2.94 | 3.89 | 0.36 | 0.18 | 0.94 | 0.25 | 1.81 | 0.38 |
| 8Q9F3N | 0.10 | -0.10 | 0.99 | 0.48 | -0.96 | 0.51 | 0.39 | -0.66 | 0.25 | 0.33 | -0.35 | 2.13 | 0.33 | 3.96 | 3.92 |
| CMCHHD | 0.09 | -0.20 | 0.49 | 0.52 | -0.20 | 0.15 | 0.42 | -0.13 | 0.08 | 0.32 | -0.55 | 0.00 | 0.17 | -0.18 | 0.07 |
| DFEY7A | 0.10 | 0.00 | 0.00 | 0.50 | -0.61 | | 0.40 | -0.46 | 0.00 | 0.30 | -0.95 | 0.00 | 0.20 | 0.64 | 0.00 |
| DUEXT8 | 0.12 | 0.47 | 0.45 | 0.58 | 0.70 | 0.47 | 0.47 | 0.99 | 0.09 | 0.38 | 0.66 | 2.02 | 0.20 | 0.61 | 0.20 |
| FWAGJB | 0.10 | 0.00 | 0.00 | 0.54 | 0.09 | 0.44 | 0.46 | 0.72 | 0.00 | 0.33 | -0.35 | 0.00 | 0.17 | -0.10 | 0.00 |
| HH9DJ3 | 0.12 | 0.68 | 1.32 | 0.59 | 0.95 | 0.76 | 0.43 | 0.06 | 0.63 | 0.38 | 0.73 | 0.94 | 0.18 | 0.24 | 0.15 |
| JK7EW4 | 0.11 | 0.30 | 1.48 | 0.53 | -0.15 | 1.07 | 0.39 | -0.72 | 0.45 | 0.31 | -0.75 | 1.07 | 0.17 | -0.10 | 0.12 |
| JQCYVA | 0.10 | -0.12 | 0.49 | 0.58 | 0.85 | 0.22 | 0.40 | -0.54 | 0.19 | 0.35 | 0.00 | 0.99 | 0.17 | 0.00 | 0.04 |
| JXALTZ | 0.09 | -0.39 | 0.49 | 0.50 | -0.61 | | 0.40 | -0.46 | 0.00 | 0.30 | -0.95 | 0.00 | 0.20 | 0.64 | 0.00 |
| QZA8GY | | | | 0.49 | -0.73 | 0.30 | 0.45 | 0.52 | 0.00 | 0.36 | 0.18 | 0.36 | | | |
| QZVJF8 | 0.11 | 0.39 | | 0.57 | 0.59 | | 0.43 | 0.07 | | 0.31 | -0.81 | | 0.15 | -0.65 | |
| TQJCHV | 0.10 | 0.00 | 0.86 | 0.54 | 0.09 | 0.00 | 0.52 | 1.96 | 0.81 | 0.37 | 0.44 | 0.00 | 0.16 | -0.27 | 0.07 |
| XR3PAN | 0.10 | 0.00 | 0.57 | 0.58 | 0.78 | 0.09 | 0.43 | 0.17 | 0.14 | 0.37 | 0.39 | 0.44 | 0.17 | -0.13 | 0.02 |
| YL6GER | | | | 0.51 | -0.49 | 0.15 | 0.42 | -0.07 | 0.15 | 0.32 | -0.55 | 0.00 | 0.16 | -0.35 | 0.12 |
| ZTKTVQ | 0.16 | 1.85 | | 0.61 | 1.31 | | 0.50 | 1.50 | | 0.43 | 1.59 | | 0.24 | 1.67 | |

**SAR - sp (SubTestCode 109) in the Salinity Property Groups**          Data units: value

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 0.10 | 0.54 | 0.42 | 0.35 | 0.17 |
| **Median Abs Dev** | 0.01 | 0.04 | 0.03 | 0.03 | 0.01 |
| **Avg Within Lab SD** | 0.01 | 0.04 | 0.07 | 0.02 | 0.08 |
| **Labs Included** | 17 | 20 | 20 | 21 | 19 |
| **Labs Reporting** | 18 | 21 | 21 | 21 | 20 |

**Cl - sp (SubTestCode 110) in the Salinity Property Groups**      **Data units: mmolc/L**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.24 | -1.84 | 0.44 | 0.17 | -0.49 | 0.24 | 2.59 | 0.03 | 0.15 | 0.73 | 0.15 | 0.35 | 0.27 | -1.21 | 0.14 |
| 2W2DFK | 0.39 | -0.25 | 0.43 | 0.25 | 0.29 | 0.24 | 2.33 | -0.33 | 0.72 | 0.68 | -0.09 | 1.61 | 0.47 | 0.17 | 0.16 |
| 3WWADT | 0.42 | 0.03 | 3.02 | 0.30 | 0.78 | 3.09 | 2.27 | -0.41 | 3.84 | 0.71 | 0.04 | 1.66 | 0.72 | 1.93 | 4.19 |
| 6PQCHL |  |  |  |  |  |  | 2.93 | 0.49 |  |  |  |  |  |  |  |
| 7ZNKQG | 0.26 | -1.64 | 0.56 | 0.14 | -0.71 | 0.07 | 1.70 | -1.19 | 0.63 | 0.42 | -1.21 | 0.75 | 0.28 | -1.17 | 0.22 |
| 8LG4AD | 0.47 | 0.55 | 1.23 | 0.30 | 0.81 | 0.00 | 0.77 | -2.45 | 0.29 | 1.07 | 1.61 | 2.65 | 2.23 | 12.56X | 1.94 |
| 8Q9F3N | 0.45 | 0.38 | 1.11 | 0.28 | 0.61 | 1.26 | 2.47 | -0.13 | 0.35 | 0.64 | -0.26 | 0.80 | 0.50 | 0.39 | 0.32 |
| 9LGCZC | 0.42 | 0.07 | 0.62 | 0.26 | 0.39 | 0.32 | 2.62 | 0.06 | 0.11 | 0.82 | 0.53 | 0.35 | 0.47 | 0.16 | 0.05 |
| CMCHHD | 0.45 | 0.41 | 0.80 | 0.19 | -0.26 | 0.43 | 2.93 | 0.49 | 0.71 | 0.79 | 0.41 | 1.11 | 0.51 | 0.46 | 0.06 |
| CWMK4E | 0.32 | -0.94 | 0.44 | 0.05 | -1.65 | 0.48 | 2.39 | -0.25 | 0.10 | 0.51 | -0.83 | 0.40 | 0.26 | -1.30 | 0.16 |
| DFEY7A | 0.43 | 0.13 | 0.75 | 0.20 | -0.16 | 0.84 | 2.71 | 0.18 | 0.29 | 0.69 | -0.03 | 0.70 | 0.45 | 0.01 | 0.05 |
| DUEXT8 | 0.41 | 0.00 | 0.35 | 0.28 | 0.63 | 0.00 | 2.91 | 0.45 | 0.24 | 1.06 | 1.59 | 0.37 | 0.52 | 0.51 | 0.15 |
| FJLEZH | 0.53 | 1.24 | 0.33 | 0.06 | -1.53 | 0.17 | 0.53 | -2.77 | 0.12 | 0.14 | -2.44 | 0.13 | 0.13 | -2.19 | 0.05 |
| FWAGJB |  |  |  |  |  |  | 2.85 | 0.38 | 0.15 | 0.68 | -0.09 | 0.00 |  |  |  |
| HH9DJ3 | 0.26 | -1.59 | 0.23 | 0.17 | -0.41 | 0.73 | 1.77 | -1.09 | 0.21 | 0.79 | 0.39 | 0.39 | 0.32 | -0.86 | 0.21 |
| JK7EW4 | 0.53 | 1.17 | 2.07 | 0.36 | 1.39 | 1.92 | 1.95 | -0.84 | 1.17 | 0.70 | 0.00 | 1.59 | 0.41 | -0.25 | 0.34 |
| JQCYVA | 0.42 | 0.03 | 0.04 | 0.31 | 0.93 | 0.10 | 1.48 | -1.48 | 0.99 | 0.59 | -0.47 | 0.37 | 0.45 | 0.03 | 0.01 |
| JXALTZ | 0.38 | -0.32 | 0.25 | 0.18 | -0.36 | 0.73 | 2.59 | 0.03 | 0.23 | 0.82 | 0.53 | 1.19 | 0.44 | -0.04 | 0.16 |
| QZA8GY | 0.32 | -0.97 | 0.00 |  |  |  | 2.81 | 0.32 | 0.20 | 0.59 | -0.50 | 0.13 | 0.39 | -0.41 | 0.05 |
| QZVJF8 | 0.34 | -0.72 |  | 0.12 | -0.91 |  | 2.55 | -0.03 |  | 0.32 | -1.68 |  | 0.49 | 0.31 |  |
| TQJCHV | 0.50 | 0.90 | 0.21 | 0.23 | 0.16 | 0.24 | 2.98 | 0.56 | 0.77 | 0.88 | 0.79 | 0.00 | 0.54 | 0.67 | 0.00 |
| XR3PAN | 0.38 | -0.32 | 0.11 | 0.26 | 0.41 | 0.83 | 2.87 | 0.40 | 1.02 | 0.82 | 0.54 | 0.72 | 0.44 | -0.01 | 0.03 |
| YL6GER | 0.87 | 4.74X |  |  |  |  | 3.02 | 0.61 | 0.54 | 0.73 | 0.15 | 0.58 |  |  |  |
| ZTKTVQ | 0.35 | -0.67 |  | 0.15 | -0.61 |  | 1.67 | -1.22 |  | 0.43 | -1.18 |  | 0.24 | -1.42 |  |

**Cl - sp (SubTestCode 110) in the Salinity Property Groups**                                    Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.41 | 0.22 | 2.57 | 0.70 | 0.45 |
| Median Abs Dev | 0.05 | 0.06 | 0.32 | 0.11 | 0.06 |
| Avg Within Lab SD | 0.05 | 0.02 | 0.20 | 0.04 | 0.11 |
| Labs Included | 21 | 20 | 24 | 23 | 20 |
| Labs Reporting | 22 | 20 | 24 | 23 | 21 |

## SO4 - sp (SubTestCode 111) in the Salinity Property Groups

Data units: mmolc/L

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.30 | 0.63 | 1.82 | 1.16 | 0.71 | 0.74 | 3.86 | 0.66 | 0.32 | 5.98 | 0.46 | 0.52 | 1.74 | 0.50 | 0.44 |
| 2W2DFK | 0.36 | 1.25 | 0.78 | 0.87 | -0.19 | 0.21 | 3.09 | -0.15 | 0.25 | 5.25 | 0.06 | 0.83 | 1.54 | 0.02 | 0.73 |
| 3U6BYV | 0.15 | -1.17 | | 0.16 | -2.47 | | 0.28 | -3.12 | | 0.31 | -2.63 | | 0.41 | -2.64 | |
| 3WWADT | 0.27 | 0.24 | 0.17 | 0.93 | 0.00 | 1.17 | 2.95 | -0.30 | 2.31 | 3.14 | -1.09 | 3.31 | 1.64 | 0.26 | 1.36 |
| 6PQCH2 | 0.23 | -0.23 | | 1.04 | 0.34 | | 3.65 | 0.44 | | 6.50 | 0.74 | | 1.83 | 0.72 | |
| 6PQCHL | 0.24 | -0.11 | | 1.12 | 0.60 | | 3.66 | 0.45 | | 6.37 | 0.67 | | 1.75 | 0.53 | |
| 7ZNKQG | 0.17 | -0.89 | 0.54 | 0.53 | -1.30 | 0.58 | 1.93 | -1.37 | 0.42 | 2.64 | -1.37 | 0.49 | 0.89 | -1.49 | 0.89 |
| 8LG4AD | 0.10 | -1.75 | 0.00 | 0.93 | 0.00 | 1.06 | 3.43 | 0.21 | 2.69 | 5.23 | 0.05 | 0.16 | 1.47 | -0.14 | 0.63 |
| 8Q9F3N | 0.29 | 0.51 | 0.61 | 0.92 | -0.04 | 2.12 | 3.28 | 0.05 | 1.41 | 5.51 | 0.20 | 1.79 | 1.56 | 0.08 | 2.87 |
| 9LGCZC | 0.35 | 1.13 | 0.57 | 0.88 | -0.17 | 0.96 | 3.38 | 0.16 | 0.05 | 4.47 | -0.37 | 0.21 | 1.52 | -0.02 | 0.44 |
| CMCHHD | 0.21 | -0.48 | 0.11 | 0.82 | -0.35 | 0.52 | 3.34 | 0.11 | 0.38 | 4.53 | -0.33 | 0.23 | 1.39 | -0.32 | 0.46 |
| DFEY7A | 0.21 | -0.46 | 0.62 | 0.96 | 0.10 | 0.46 | 3.19 | -0.05 | 0.23 | 5.47 | 0.18 | 0.15 | 1.68 | 0.36 | 0.29 |
| DUEXT8 | 0.38 | 1.55 | 0.90 | 1.03 | 0.31 | 0.66 | 3.40 | 0.18 | 0.67 | 5.40 | 0.14 | 0.33 | 1.60 | 0.18 | 0.31 |
| FJLEZH | 0.27 | 0.24 | 3.15 | 0.11 | -2.64 | 0.11 | 0.68 | -2.69 | 0.02 | 0.49 | -2.54 | 0.04 | 0.25 | -3.02 | 0.13 |
| HH9DJ3 | 0.25 | 0.04 | 0.50 | 1.02 | 0.27 | 2.02 | 2.85 | -0.40 | 0.87 | 5.65 | 0.28 | 0.96 | 1.57 | 0.11 | 1.87 |
| JK7EW4 | 0.25 | -0.04 | 0.66 | 0.77 | -0.53 | 1.43 | 2.47 | -0.80 | 0.75 | 4.58 | -0.31 | 0.39 | 1.26 | -0.62 | 0.13 |
| JQCYVA | 0.21 | -0.50 | 0.09 | 0.99 | 0.17 | 0.41 | 2.56 | -0.71 | 0.09 | 5.05 | -0.05 | 0.32 | 1.49 | -0.09 | 0.35 |
| JXALTZ | 0.21 | -0.46 | 0.46 | 1.05 | 0.38 | 0.28 | 3.54 | 0.33 | 0.21 | 6.10 | 0.52 | 0.00 | 1.62 | 0.23 | 0.13 |
| QZA8GY | 0.44 | 2.23 | 0.00 | 2.13 | 3.82X | 0.56 | 7.67 | 4.68X | 0.27 | 12.33 | 3.91X | 0.30 | 3.43 | 4.50X | 0.63 |
| QZVJF8 | 0.30 | 0.54 | | 1.03 | 0.30 | | 3.41 | 0.19 | | 4.45 | -0.38 | | 1.38 | -0.35 | |
| TQJCHV | 3.07 | 33.03X | 1.21 | 17.82 | 53.99X | 1.93 | 58.92 | 58.80X | 7.48 | 104.87 | 54.32X | 0.83 | 26.31 | 58.50X | 6.22 |
| XR3PAN | 0.26 | 0.16 | 0.24 | 1.15 | 0.69 | 0.62 | 3.16 | -0.07 | 0.11 | 5.50 | 0.19 | 0.29 | 1.58 | 0.13 | 0.65 |
| YL6GER | | | | 0.57 | -1.16 | 0.66 | 3.28 | 0.05 | 0.17 | 4.44 | -0.39 | 0.35 | 1.29 | -0.56 | 0.61 |
| ZTKTVQ | 0.23 | -0.22 | | 0.27 | -2.11 | | 1.01 | -2.34 | | 1.62 | -1.92 | | 0.48 | -2.47 | |

**SO4 - sp (SubTestCode 111) in the Salinity Property Groups**                                                    Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.25 | 0.93 | 3.23 | 5.14 | 1.53 |
| Median Abs Dev | 0.04 | 0.11 | 0.30 | 0.68 | 0.14 |
| Avg Within Lab SD | 0.06 | 0.05 | 0.35 | 0.37 | 0.09 |
| Labs Included | 22 | 22 | 22 | 22 | 22 |
| Labs Reporting | 23 | 24 | 24 | 24 | 24 |

## NO3 - sp (SubTestCode 112) in the Salinity Property Groups

Data units: mmolc/L

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 18.03 | 0.15 | 0.92 | 0.79 | -0.26 | 2.55 | 28.50 | -0.13 | 2.89 | 14.02 | -0.98 | 2.77 | 18.07 | 0.00 | 2.51 |
| 7ZNKQG | 5.81 | -2.35 | 0.56 | 0.03 | -0.97 | 0.14 | 11.17 | -1.75 | 0.28 | 8.06 | -1.56 | 0.29 | 6.20 | -2.15 | 0.38 |
| 8LG4AD | 17.93 | 0.13 | 2.14 | 0.10 | -0.91 | 0.08 | 33.30 | 0.32 | 0.53 | 24.07 | 0.00 | 0.38 | 21.63 | 0.64 | 1.37 |
| CMCHHD | 18.10 | 0.16 | 0.18 | 1.53 | 0.44 | 0.17 | 36.25 | 0.59 | 0.10 | 29.23 | 0.50 | 0.14 | 19.43 | 0.25 | 0.14 |
| CWMK4E | 16.90 | -0.08 | 0.31 | 1.33 | 0.26 | 0.06 | 31.44 | 0.14 | 0.14 | 25.91 | 0.18 | 0.06 | 15.01 | -0.55 | 0.10 |
| DUEXT8 | 17.29 | 0.00 | 0.13 | 1.94 | 0.83 | 0.07 | 33.41 | 0.33 | 0.32 | 27.27 | 0.31 | 0.35 | 18.80 | 0.13 | 0.23 |
| JK7EW4 | 14.04 | -0.67 | 0.84 | 1.48 | 0.40 | 0.13 | 19.61 | -0.96 | 0.38 | 19.47 | -0.45 | 0.73 | 15.10 | -0.54 | 0.40 |
| QZA8GY | 39.00 | 4.45X | 0.53 | 2.50 | 1.36 | 1.85 | 77.80 | 4.48X | 0.43 | 65.93 | 4.08X | 1.55 | 46.07 | 5.06X | 0.84 |
| QZVJF8 | 12.90 | -0.90 | | 0.36 | -0.67 | | 29.90 | 0.00 | | 17.20 | -0.67 | | 13.50 | -0.83 | |
| XR3PAN | 18.01 | 0.15 | 0.01 | 0.07 | -0.94 | 0.03 | 29.55 | -0.03 | 0.09 | 28.57 | 0.44 | 0.21 | 18.97 | 0.16 | 0.46 |
| YL6GER | 20.49 | 0.66 | 1.55 | 0.36 | -0.67 | 0.08 | 36.91 | 0.66 | 0.17 | 28.58 | 0.44 | 0.61 | 19.69 | 0.29 | 0.46 |
| ZTKTVQ | 6.69 | -2.17 | | 1.47 | 0.39 | | 3.21 | -2.50 | | 4.59 | -1.90 | | 7.66 | -1.88 | |

## NO3 - sp (SubTestCode 112) in the Salinity Property Groups

Data units: mmolc/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 17.3 | 1.06 | 29.9 | 24.1 | 18.1 |
| Median Abs Dev | 0.8 | 0.71 | 3.5 | 4.6 | 3.0 |
| Avg Within Lab SD | 1.5 | 0.19 | 3.3 | 2.1 | 1.9 |
| Labs Included | 11 | 12 | 11 | 11 | 11 |
| Labs Reporting | 12 | 12 | 12 | 12 | 12 |

## B - sp (SubTestCode 113) in the Salinity Property Groups — Data units: mg/L

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.080 | 1.27 | 1.16 | 0.137 | 1.28 | 1.73 | 0.170 | 1.01 | 0.98 | 0.523 | 0.15 | 2.02 | 0.183 | 0.92 | 1.30 |
| 2W2DFK | 0.127 | 2.67 | 2.86 | 0.187 | 2.63 | 0.96 | 0.173 | 1.06 | 0.57 | 0.577 | 0.55 | 0.45 | 0.260 | 2.17 | 0.85 |
| 3U6BYV | 0.030 | -0.24 | | 0.070 | -0.51 | | 0.090 | -0.21 | | 0.320 | -1.36 | | 0.110 | -0.28 | |
| 3WWADT | 0.038 | 0.00 | 0.51 | 0.083 | -0.15 | 0.69 | 0.101 | -0.05 | 0.46 | 0.413 | -0.67 | 1.89 | 0.138 | 0.18 | 1.87 |
| 8LG4AD | 0.500 | 13.93X | | 0.500 | 11.05X | | 0.500 | 6.02X | | 0.500 | -0.02 | | 0.500 | 6.08X | |
| 8Q9F3N | 0.020 | -0.54 | 0.58 | 0.067 | -0.60 | 0.48 | 0.073 | -0.46 | 0.57 | 0.403 | -0.74 | 0.45 | 0.097 | -0.49 | 0.49 |
| CMCHHD | 0.062 | 0.72 | 0.61 | 0.114 | 0.68 | 0.19 | 0.124 | 0.30 | 0.74 | 0.539 | 0.26 | 0.09 | 0.152 | 0.40 | 0.62 |
| CWMK4E | 0.050 | 0.37 | 0.97 | 0.077 | -0.32 | 0.29 | 0.025 | -1.19 | 1.20 | 0.348 | -1.15 | 0.58 | 0.091 | -0.59 | 1.55 |
| DFEY7A | 0.100 | 1.87 | 0.58 | 0.130 | 1.10 | 1.66 | 0.160 | 0.86 | 2.60 | 0.633 | 0.97 | 0.86 | 0.203 | 1.24 | 1.30 |
| DUEXT8 | 0.038 | 0.00 | 0.27 | 0.119 | 0.82 | 1.82 | 0.130 | 0.40 | 0.78 | 0.633 | 0.97 | 1.51 | 0.154 | 0.45 | 1.06 |
| FWAGJB | | | | | | | 0.340 | 3.59 | | 0.617 | 0.84 | 1.46 | 0.270 | 2.33 | |
| JK7EW4 | 0.033 | -0.14 | 0.33 | 0.083 | -0.15 | 0.96 | 0.070 | -0.51 | 0.98 | 0.370 | -0.99 | 0.30 | 0.100 | -0.44 | 0.85 |
| JXALTZ | 0.035 | -0.09 | 0.15 | 0.090 | 0.03 | 0.00 | 0.100 | -0.06 | 0.00 | 0.523 | 0.15 | 0.17 | 0.117 | -0.17 | 0.49 |
| QZA8GY | | | | | | | 0.073 | -0.46 | 0.57 | 0.467 | -0.27 | 0.17 | 0.100 | -0.44 | 0.00 |
| QZVJF8 | 0.095 | 1.72 | | 0.114 | 0.67 | | 0.139 | 0.54 | | 0.385 | -0.88 | | 0.127 | 0.00 | |
| TQJCHV | 0.038 | -0.01 | 0.09 | 0.086 | -0.09 | 0.05 | 0.104 | 0.00 | 0.44 | 0.532 | 0.22 | 0.02 | 0.120 | -0.11 | 0.17 |
| XR3PAN | 0.039 | 0.01 | 0.03 | 0.089 | 0.00 | 0.50 | 0.111 | 0.11 | 0.59 | 0.507 | 0.02 | 0.52 | 0.146 | 0.30 | 0.47 |
| ZTKTVQ | 0.023 | -0.46 | | 0.049 | -1.08 | | 0.059 | -0.68 | | 0.243 | -1.93 | | 0.069 | -0.94 | |

## B - sp (SubTestCode 113) in the Salinity Property Groups — Data units: mg/L

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.038 | 0.089 | 0.10 | 0.50 | 0.13 |
| Median Abs Dev | 0.012 | 0.022 | 0.03 | 0.09 | 0.03 |
| Avg Within Lab SD | 0.017 | 0.012 | 0.01 | 0.03 | 0.01 |
| Labs Included | 15 | 15 | 17 | 18 | 17 |
| Labs Reporting | 16 | 16 | 18 | 18 | 18 |

**Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups**  **Data units: dS/m**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 0.49 | -0.74 | 1.07 | 0.15 | -0.31 | 0.85 | 0.57 | -1.79 | 2.57 | 0.81 | -0.76 | 0.45 | 0.75 | -0.35 | 0.24 |
| 3U6BYV | 0.52 | -0.51 | | 0.12 | -0.82 | | 0.99 | -0.31 | | 0.52 | -1.63 | | 0.54 | -1.91 | |
| 3UUGAM | 0.55 | -0.27 | 0.28 | 0.14 | -0.48 | 0.47 | 1.38 | 1.08 | 0.56 | 0.85 | -0.65 | 0.14 | 0.88 | 0.55 | 0.03 |
| 3WWADT | 0.39 | -1.47 | 2.24 | 0.10 | -1.14 | 1.57 | 0.74 | -1.19 | 2.78 | 0.77 | -0.89 | 1.61 | 0.56 | -1.80 | 0.07 |
| 7NAFPM | 0.60 | 0.05 | 0.62 | 0.15 | -0.32 | 0.60 | 1.24 | 0.56 | 0.87 | 1.02 | -0.14 | 0.93 | 0.71 | -0.70 | 0.52 |
| 8LG4AD | 0.86 | 2.00 | 1.72 | 0.23 | 1.32 | 1.69 | 1.34 | 0.91 | 0.33 | 1.67 | 1.82 | 0.45 | 0.89 | 0.62 | 2.96 |
| 9LGCZC | 0.81 | 1.62 | 0.31 | 0.22 | 1.13 | 0.85 | 1.18 | 0.35 | 0.65 | 1.44 | 1.13 | 0.51 | 1.02 | 1.60 | 0.42 |
| BBPT8N | 0.53 | -0.47 | 0.11 | 0.21 | 0.91 | 0.17 | 1.17 | 0.32 | 0.02 | 1.32 | 0.77 | 0.02 | 0.77 | -0.23 | 0.04 |
| CMCHHD | 0.60 | 0.08 | 0.48 | 0.18 | 0.30 | 1.63 | 1.03 | -0.16 | 1.58 | 1.06 | -0.01 | 0.83 | 0.85 | 0.39 | 0.25 |
| DF9V4J | 0.55 | -0.27 | 0.62 | 0.15 | -0.19 | 0.85 | 1.12 | 0.15 | 0.40 | 1.23 | 0.49 | 0.26 | 0.79 | -0.08 | 0.00 |
| DUEXT8 | 0.81 | 1.62 | 0.31 | 0.22 | 1.13 | 0.85 | 1.18 | 0.35 | 0.65 | 1.44 | 1.13 | 0.51 | 1.02 | 1.60 | 0.42 |
| EN39TB | 0.40 | -1.42 | 2.24 | 0.14 | -0.39 | 1.77 | 1.17 | 0.33 | 0.87 | 0.97 | -0.29 | 1.07 | 0.73 | -0.54 | 0.36 |
| F673ZB | 0.25 | -2.50 | 0.82 | 0.15 | -0.19 | 0.85 | 0.09 | -3.45**X** | 0.16 | 0.10 | -2.89**X** | 0.10 | 0.07 | -5.34**X** | 0.00 |
| FPDBEA | 0.44 | -1.09 | 0.31 | 0.09 | -1.45 | 0.85 | 0.52 | -1.94 | 0.43 | 0.66 | -1.21 | 0.29 | 0.70 | -0.72 | 0.43 |
| GDU8HA | 0.50 | -0.66 | | 0.10 | -1.20 | 0.00 | 0.50 | -2.03 | | 0.70 | -1.09 | 0.00 | 0.60 | -1.47 | 0.00 |
| GRFTQA | 0.59 | 0.00 | 0.00 | 0.14 | -0.53 | 0.00 | 1.06 | -0.06 | 0.00 | 1.16 | 0.29 | 0.00 | 0.81 | 0.03 | 0.00 |
| GZQVCB | 0.33 | -1.93 | 0.54 | 0.10 | -1.26 | 0.85 | 0.42 | -2.30 | 0.16 | 0.58 | -1.46 | 0.10 | 0.56 | -1.76 | 0.36 |
| HGXCX4 | 0.56 | -0.22 | 0.39 | 0.21 | 0.86 | 0.25 | 0.74 | -1.20 | 0.54 | 1.00 | -0.18 | 0.32 | 0.81 | 0.06 | 0.09 |
| HH9DJ3 | 0.61 | 0.18 | 0.82 | 0.16 | -0.13 | 0.85 | 1.03 | -0.15 | 0.86 | 1.07 | 0.02 | 2.20 | 0.82 | 0.14 | 0.42 |
| K8FVRD | 0.62 | 0.21 | 1.21 | 0.20 | 0.67 | 0.76 | 1.22 | 0.51 | 1.45 | 1.31 | 0.74 | 0.23 | 0.81 | 0.04 | 0.28 |
| LQLM97 | 0.78 | 1.43 | 0.11 | 0.23 | 1.33 | 0.39 | 1.17 | 0.31 | 0.24 | 1.46 | 1.19 | 0.03 | 1.04 | 1.71 | 0.07 |
| LRY7H4 | 0.65 | 0.48 | 1.64 | 0.15 | -0.25 | 1.47 | 0.91 | -0.60 | 0.43 | 1.16 | 0.28 | 0.99 | 0.84 | 0.28 | 0.42 |
| MM3234 | 0.67 | 0.60 | 1.42 | 0.22 | 1.07 | 1.47 | 1.24 | 0.58 | 1.14 | 1.43 | 1.10 | 0.51 | 0.82 | 0.14 | 0.42 |
| P3TKWW | 0.58 | -0.07 | 0.93 | 0.21 | 0.94 | 0.85 | 1.20 | 0.43 | 0.28 | 1.41 | 1.04 | 0.17 | 0.80 | -0.03 | 0.32 |
| PTLTHV | 0.65 | 0.45 | 0.54 | 0.20 | 0.63 | 0.85 | 1.09 | 0.06 | 0.33 | 1.21 | 0.45 | 0.35 | 0.81 | 0.09 | 0.24 |
| QVFBR8 | 0.61 | 0.16 | 0.22 | 0.20 | 0.74 | 0.34 | 1.14 | 0.22 | 0.26 | 1.28 | 0.66 | 0.10 | 0.77 | -0.22 | 0.12 |

## Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups — Data units: dS/m

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TFKQ8P | 0.59 | -0.03 | 1.10 | 0.16 | -0.16 | 0.67 | 1.06 | -0.07 | 1.27 | 1.06 | -0.02 | 0.54 | 0.84 | 0.25 | 0.77 |
| VCB32Y | 0.60 | 0.06 | 1.12 | 0.19 | 0.44 | 0.85 | 0.77 | -1.09 | 0.71 | 1.01 | -0.16 | 0.78 | 1.08 | 2.06 | 1.78 |
| W4XJ8Q | 0.62 | 0.23 | 1.07 | 0.17 | 0.19 | 0.85 | 1.21 | 0.45 | 0.16 | 1.07 | 0.01 | 1.42 | 0.78 | -0.16 | 0.00 |
| WC766T | 0.58 | -0.04 | 0.31 | 0.16 | 0.00 | 1.69 | 1.01 | -0.22 | 0.71 | 0.98 | -0.26 | 3.63 | 0.74 | -0.45 | 3.80 |
| XYHBJR | 0.59 | 0.04 | 0.76 | 0.19 | 0.42 | 1.08 | 0.93 | -0.51 | 0.65 | 0.95 | -0.33 | 0.21 | 0.76 | -0.27 | 0.27 |

## Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups — Data units: dS/m

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|------|------|------|------|------|
| Grand Median | 0.59 | 0.16 | 1.08 | 1.06 | 0.80 |
| Median Abs Dev | 0.06 | 0.03 | 0.13 | 0.22 | 0.05 |
| Avg Within Lab SD | 0.02 | 0.01 | 0.04 | 0.06 | 0.05 |
| Labs Included | 31 | 31 | 30 | 30 | 30 |
| Labs Reporting | 31 | 31 | 31 | 31 | 31 |

**Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups**       **Data units: dS/m**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44YNNM | 0.49 | 0.62 | 1.77 | 0.14 | 0.78 | 0.51 | 0.85 | 1.56 | 3.68 | 1.11 | 1.83 | 1.44 | 0.76 | 1.89 | 0.86 |
| 4F7LHP | 0.47 | 0.43 | 0.05 | 0.14 | 0.68 | 0.33 | 0.78 | 1.04 | 0.96 | 0.96 | 0.95 | 0.81 | 0.71 | 1.33 | 0.28 |
| 6ATHQD | 0.36 | -1.11 | 0.72 | 0.10 | -1.04 | 1.25 | 0.59 | -0.42 | 2.46 | 0.65 | -0.88 | 2.36 | 0.50 | -0.84 | 1.88 |
| 6PQCHL | 0.43 | -0.12 | 0.73 | 0.13 | 0.16 | 1.21 | 0.65 | -0.02 | 0.14 | 0.79 | -0.08 | 0.58 | 0.57 | -0.07 | 0.43 |
| 72EX2L | 0.48 | 0.54 | 0.17 | 0.12 | -0.13 | 0.00 | 0.83 | 1.39 | 0.00 | 0.93 | 0.76 | 0.00 | 0.64 | 0.66 | 0.33 |
| 86VF6P | 0.45 | 0.15 | 0.33 | 0.13 | 0.08 | 0.11 | 0.68 | 0.26 | 0.25 | 0.82 | 0.14 | 0.21 | 0.59 | 0.06 | 0.37 |
| 8LG4AD | 0.27 | -2.26 | 0.00 | 0.25 | 4.82X | 1.10 | 0.43 | -1.65 | 0.59 | 0.63 | -0.98 | 0.63 | 0.77 | 1.96 | 0.20 |
| 9D72ND | 0.53 | 1.22 | 2.39 | 0.15 | 1.04 | 0.00 | 0.91 | 1.98 | 0.86 | 0.95 | 0.90 | 1.32 | 0.69 | 1.19 | 0.87 |
| 9LGCZC | 0.44 | 0.00 | 0.00 | 0.14 | 0.65 | 0.00 | 0.65 | -0.01 | 0.33 | 0.80 | 0.00 | 0.00 | 0.58 | 0.02 | 0.33 |
| BBPT8N | 0.40 | -0.51 | 0.08 | 0.12 | -0.31 | 0.02 | 0.64 | -0.10 | 0.03 | 0.79 | -0.04 | 0.05 | 0.56 | -0.26 | 0.03 |
| BPNQC8 | 0.47 | 0.43 | 0.49 | 0.20 | 3.09X | 11.85 | 0.69 | 0.31 | 0.26 | 0.90 | 0.56 | 2.01 | 0.63 | 0.47 | 1.55 |
| CMCHHD | 0.33 | -1.49 | 1.16 | 0.09 | -1.16 | 0.89 | 0.62 | -0.18 | 1.09 | 0.62 | -1.08 | 0.84 | 0.47 | -1.19 | 1.12 |
| DUEXT8 | 0.44 | 0.00 | 0.00 | 0.14 | 0.65 | 0.00 | 0.65 | -0.01 | 0.33 | 0.80 | 0.00 | 0.00 | 0.58 | 0.02 | 0.33 |
| FWAGJB | 0.48 | 0.49 | 0.62 | 0.13 | 0.36 | 0.63 | 0.64 | -0.08 | 0.06 | 0.80 | 0.01 | 0.14 | 0.58 | -0.02 | 0.09 |
| FZPP8A | 0.45 | 0.18 | 0.46 | 0.12 | 0.00 | 1.14 | 0.65 | -0.01 | 0.86 | 0.80 | 0.02 | 0.30 | 0.56 | -0.19 | 0.87 |
| H6FRD8 | 0.37 | -1.02 | 1.75 | 0.08 | -1.73 | 0.59 | 0.54 | -0.80 | 0.17 | 0.55 | -1.44 | 0.71 | 0.46 | -1.31 | 1.63 |
| HH9DJ3 | 0.42 | -0.32 | 0.46 | 0.10 | -0.79 | 1.20 | 0.60 | -0.34 | 0.33 | 0.71 | -0.51 | 0.80 | 0.56 | -0.23 | 0.00 |
| JBV4FD | 0.41 | -0.47 | 0.20 | 0.10 | -0.84 | 0.78 | 0.66 | 0.06 | 0.15 | 0.40 | -2.37 | 0.89 | 0.49 | -1.02 | 1.96 |
| KF94C4 | 0.55 | 1.54 | 1.66 | 0.13 | 0.26 | 1.97 | 0.96 | 2.36 | 0.65 | 1.04 | 1.39 | 1.32 | 0.70 | 1.26 | 1.71 |
| LLQW29 | 0.48 | 0.49 | 0.14 | 0.14 | 0.54 | 0.12 | 0.71 | 0.49 | 0.89 | 0.87 | 0.43 | 0.21 | 0.62 | 0.42 | 0.30 |
| M6MR24 | 0.56 | 1.60 | 1.09 | 0.11 | -0.51 | 2.18 | 0.93 | 2.18 | 1.07 | 0.81 | 0.04 | 1.49 | 0.64 | 0.63 | 1.65 |
| MZQUN7 | 0.40 | -0.58 | 1.20 | 0.12 | -0.04 | 0.11 | 0.69 | 0.35 | 0.59 | 0.88 | 0.44 | 0.61 | 0.56 | -0.24 | 0.49 |
| QVFBR8 | 0.43 | -0.10 | 0.20 | 0.16 | 1.34 | 0.23 | 0.66 | 0.11 | 0.06 | 0.80 | -0.03 | 0.70 | 0.59 | 0.04 | 0.18 |
| QZVJF8 | 0.81 | 5.01X | | 0.15 | 1.04 | | 1.90 | 9.58X | | 1.57 | 4.53X | | 0.96 | 4.01X | |
| TCJDUX | 0.44 | 0.00 | 0.00 | 0.12 | -0.10 | 0.11 | 0.64 | -0.05 | 0.00 | 0.77 | -0.17 | 0.00 | 0.57 | -0.10 | 0.00 |
| XQLP3R | 0.46 | 0.23 | 0.08 | 0.17 | 1.67 | 0.49 | 0.68 | 0.21 | 0.06 | 0.85 | 0.30 | 0.32 | 0.63 | 0.55 | 0.09 |

## Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups — Data units: dS/m

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y2X9YT | 0.37 | -0.90 | 0.46 | 0.10 | -0.91 | 0.00 | 0.56 | -0.65 | 0.33 | 0.62 | -1.06 | 0.52 | 0.52 | -0.61 | 0.66 |
| YTNTHL | 0.30 | -1.96 | 2.60 | 0.11 | -0.66 | 2.96 | 0.35 | -2.26 | 0.95 | 0.38 | -2.47 | 2.27 | 0.38 | -2.14 | 2.17 |
| ZN8YQT | 0.43 | -0.14 | 0.29 | 0.10 | -0.75 | 0.00 | 0.65 | 0.01 | 0.47 | 0.80 | 0.00 | 0.08 | 0.57 | -0.16 | 0.30 |

## Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups — Data units: dS/m

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.44 | 0.12 | 0.65 | 0.80 | 0.58 |
| Median Abs Dev | 0.04 | 0.02 | 0.04 | 0.08 | 0.05 |
| Avg Within Lab SD | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 |
| Labs Included | 28 | 27 | 28 | 28 | 28 |
| Labs Reporting | 29 | 29 | 29 | 29 | 29 |

**pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups**                    Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 5.26 | 0.50 | 0.52 | 6.94 | 0.01 | 0.51 | 4.58 | 0.91 | 1.04 | 6.67 | -0.20 | 1.20 | 7.78 | -0.91 | 0.00 |
| 3WWADT | 4.80 | -2.02 | 2.14 | 6.92 | -0.09 | 0.96 | 4.43 | -0.06 | 1.15 | 6.69 | -0.08 | 0.95 | 7.62 | -1.78 | 0.62 |
| 44YNNM | 5.36 | 1.07 | 0.74 | 6.95 | 0.09 | 0.67 | 4.66 | 1.45 | 0.80 | 6.48 | -1.80 | 0.40 | 7.61 | -1.86 | 0.44 |
| 4F7LHP | 5.14 | -0.13 | 0.23 | 6.86 | -0.46 | 0.58 | 4.36 | -0.47 | 0.13 | 6.59 | -0.87 | 0.71 | 7.85 | -0.50 | 0.26 |
| 6PQCHL | 5.34 | 0.97 | 0.82 | 7.08 | 0.89 | 0.40 | 4.53 | 0.60 | 0.39 | 6.73 | 0.25 | 0.45 | 8.02 | 0.43 | 1.07 |
| 76U7PL | 5.06 | -0.57 | 0.31 | 6.98 | 0.24 | 0.11 | 4.33 | -0.70 | 0.13 | 6.63 | -0.56 | 0.16 | 7.98 | 0.19 | 0.19 |
| 7GNP4R | 6.29 | 6.21**X** | 0.52 | 7.10 | 1.02 | 1.79 | 6.14 | 10.89**X** | 2.96 | 6.15 | -4.61**X** | 0.78 | 7.23 | -3.97**X** | 1.05 |
| 7JU83M | 5.41 | 1.34 | 0.30 | 7.22 | 1.71 | 0.22 | 4.75 | 1.98 | 0.13 | 6.79 | 0.82 | 0.09 | 8.09 | 0.82 | 0.12 |
| 7NAFPM | 5.23 | 0.37 | 0.62 | 6.93 | -0.07 | 0.29 | 4.42 | -0.09 | 0.35 | 6.53 | -1.38 | 0.18 | 7.45 | -2.73 | 0.63 |
| 86VF6P | 5.13 | -0.20 | 0.15 | 6.96 | 0.15 | 0.40 | 4.52 | 0.55 | 0.13 | 6.73 | 0.25 | 0.18 | 7.93 | -0.05 | 0.26 |
| 8LG4AD | 5.42 | 1.40 | 5.10 | 6.78 | -0.95 | 1.71 | 4.32 | -0.72 | 2.37 | 6.33 | -3.07 | 1.89 | 7.67 | -1.54 | 0.43 |
| 9D72ND | 5.07 | -0.55 | 2.27 | 6.67 | -1.67 | 2.92 | 4.30 | -0.87 | 0.00 | 6.80 | 0.87 | 5.66 | 7.87 | -0.42 | 4.95 |
| 9LGCZC | 4.97 | -1.07 | 0.99 | 6.57 | -2.29 | 2.02 | 4.53 | 0.57 | 1.33 | 6.31 | -3.26 | 1.10 | 7.49 | -2.51 | 0.99 |
| AG24CD | 5.27 | 0.55 | 0.23 | 6.95 | 0.09 | 1.17 | 4.52 | 0.55 | 0.57 | 6.69 | -0.03 | 0.09 | 7.95 | 0.06 | 0.63 |
| BBPT8N | 5.17 | 0.00 | 0.09 | 6.91 | -0.15 | 0.11 | 4.49 | 0.34 | 0.00 | 6.64 | -0.51 | 0.09 | 8.02 | 0.42 | 0.07 |
| BVW8T9 | 5.20 | 0.18 | 0.00 | 6.90 | -0.24 | 0.00 | 4.43 | -0.02 | 1.31 | 6.70 | 0.03 | 0.00 | 8.00 | 0.32 | 1.23 |
| CMCHHD | 4.92 | -1.36 | 0.30 | 6.61 | -2.02 | 0.38 | 4.38 | -0.36 | 0.68 | 6.60 | -0.82 | 0.27 | 7.89 | -0.29 | 0.25 |
| DF9V4J | 5.03 | -0.74 | 0.86 | 6.73 | -1.26 | 1.10 | 4.30 | -0.87 | 0.00 | 6.60 | -0.82 | 0.00 | 7.73 | -1.17 | 0.71 |
| DUEXT8 | 4.91 | -1.43 | 0.67 | 6.54 | -2.47 | 1.95 | 4.56 | 0.79 | 2.98 | 6.35 | -2.93 | 1.70 | 7.38 | -3.12 | 2.43 |
| EN39TB | 5.47 | 1.65 | 0.45 | 7.24 | 1.88 | 0.86 | 4.77 | 2.10 | 0.53 | 6.75 | 0.48 | 0.33 | 7.90 | -0.25 | 0.07 |
| EUTJ39 | 5.11 | -0.29 | 0.45 | 7.03 | 0.54 | 1.21 | 4.38 | -0.36 | 1.20 | 6.60 | -0.84 | 0.74 | 8.00 | 0.34 | 0.71 |
| F673ZB | 5.30 | 0.74 | 0.00 | 7.00 | 0.38 | | 4.40 | -0.23 | 0.00 | 6.70 | 0.03 | 0.00 | 8.10 | 0.88 | 0.00 |
| FJLEZH | 5.47 | 1.69 | 0.09 | 6.65 | -1.76 | 0.48 | 4.45 | 0.06 | 0.80 | 6.78 | 0.68 | 0.24 | 7.77 | -0.94 | 0.43 |
| FPDBEA | 5.43 | 1.47 | 0.86 | 7.07 | 0.79 | 1.10 | 4.57 | 0.83 | 1.31 | 6.77 | 0.59 | 0.91 | 8.07 | 0.69 | 0.71 |
| FWAGJB | 5.21 | 0.22 | 0.60 | 6.96 | 0.13 | 0.76 | 4.57 | 0.85 | 0.60 | 6.70 | 0.06 | 0.36 | 8.04 | 0.55 | 0.21 |
| FZPP8A | 5.35 | 1.01 | 0.53 | 7.00 | 0.36 | 1.43 | 4.59 | 0.96 | 0.47 | 6.75 | 0.45 | 1.34 | 7.86 | -0.48 | 0.39 |

**pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups**          Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GDU8HA | 5.20 | 0.18 | 0.00 | 7.13 | 1.20 | 1.10 | 4.70 | 1.68 | 0.00 | 6.90 | 1.72 | 0.00 | 8.00 | 0.32 | |
| GRFTQA | 5.07 | -0.53 | 0.00 | 6.96 | 0.13 | 0.00 | 4.45 | 0.09 | 0.00 | 6.72 | 0.20 | 0.00 | 7.95 | 0.04 | 0.00 |
| GZQVCB | 5.10 | -0.37 | 0.00 | 6.97 | 0.20 | 0.38 | 4.39 | -0.32 | 0.13 | 6.63 | -0.56 | 0.16 | 7.94 | -0.03 | 0.07 |
| H6FRD8 | 5.08 | -0.46 | 1.35 | 7.04 | 0.63 | 1.19 | 4.37 | -0.43 | 1.86 | 6.63 | -0.53 | 1.27 | 7.76 | -1.04 | 1.18 |
| HGR9VC | 4.94 | -1.23 | 0.09 | 6.83 | -0.67 | 0.33 | 4.26 | -1.11 | 0.35 | 6.55 | -1.24 | 0.16 | 7.93 | -0.05 | 0.07 |
| HGXCX4 | 5.23 | 0.32 | 0.07 | 6.69 | -1.54 | 0.05 | 4.69 | 1.62 | 0.05 | 6.77 | 0.61 | 0.05 | 7.94 | 0.01 | 0.04 |
| HH9DJ3 | 5.17 | 0.04 | 0.52 | 7.06 | 0.75 | 0.19 | 4.49 | 0.32 | 0.26 | 6.75 | 0.45 | 0.16 | 7.99 | 0.27 | 0.12 |
| JK7EW4 | 5.10 | -0.38 | 0.26 | 7.00 | 0.36 | 0.42 | 4.39 | -0.29 | 0.19 | 6.70 | 0.05 | 0.19 | 8.07 | 0.73 | 0.19 |
| K8FVRD | 5.10 | -0.35 | 0.45 | 6.89 | -0.28 | 0.22 | 4.36 | -0.47 | 0.35 | 6.64 | -0.45 | 0.33 | 7.94 | -0.01 | 0.25 |
| KHEFJ7 | 5.12 | -0.28 | 0.23 | 7.08 | 0.89 | 0.29 | 4.35 | -0.55 | 0.46 | 6.70 | 0.00 | 0.40 | 8.02 | 0.45 | 0.31 |
| KWX8YZ | 5.20 | 0.17 | 0.31 | 7.00 | 0.38 | 0.69 | 4.45 | 0.09 | 0.46 | 6.63 | -0.53 | 0.45 | 7.88 | -0.35 | 0.21 |
| M6MR24 | 4.90 | -1.47 | 0.00 | 6.80 | -0.85 | 0.00 | 4.37 | -0.45 | 1.31 | 6.60 | -0.82 | 0.00 | 7.90 | -0.24 | 0.00 |
| MM3234 | 5.35 | 0.99 | 2.88 | 6.96 | 0.15 | 0.96 | 4.51 | 0.47 | 1.18 | 6.61 | -0.73 | 0.31 | 7.99 | 0.25 | 0.31 |
| MRHAQ4 | 5.22 | 0.28 | 0.45 | 7.01 | 0.42 | 0.48 | 4.40 | -0.21 | 1.25 | 6.72 | 0.20 | 0.42 | 7.99 | 0.28 | 0.50 |
| P3TKWW | 5.19 | 0.13 | 0.15 | 6.87 | -0.42 | 0.69 | 4.48 | 0.30 | 0.13 | 6.71 | 0.11 | 0.16 | 7.98 | 0.23 | 0.07 |
| PK3QU7 | 4.98 | -1.01 | 0.23 | 6.70 | -1.47 | 1.91 | 4.30 | -0.87 | 2.28 | 6.50 | -1.66 | 1.57 | 7.70 | -1.35 | 1.23 |
| PTLTHV | 5.40 | 1.29 | 0.00 | 6.90 | -0.24 | 0.00 | 4.90 | 2.95 | 0.00 | 6.80 | 0.87 | 0.00 | 7.90 | -0.24 | 0.00 |
| QVFBR8 | 5.11 | -0.31 | 0.59 | 6.97 | 0.22 | 1.62 | 4.43 | -0.06 | 0.35 | 6.69 | -0.03 | 1.34 | 5.28 | -14.85**X** | 0.86 |
| T3QB22 | 5.15 | -0.09 | 0.15 | 6.95 | 0.07 | 0.19 | 4.43 | -0.04 | 0.39 | 6.62 | -0.68 | 0.09 | 7.97 | 0.15 | 0.25 |
| TCJDUX | 5.08 | -0.46 | 0.09 | 7.00 | 0.36 | 0.22 | 4.43 | -0.02 | 0.26 | 6.70 | 0.00 | 0.09 | 7.96 | 0.12 | 0.14 |
| TFKQ8P | 5.18 | 0.09 | 0.31 | 6.89 | -0.32 | 0.61 | 4.54 | 0.68 | 1.46 | 6.77 | 0.59 | 0.55 | 7.96 | 0.12 | 0.74 |
| TZUE4V | 5.14 | -0.15 | 0.39 | 7.15 | 1.30 | 0.19 | 4.42 | -0.11 | 0.99 | 6.72 | 0.17 | 0.87 | 8.11 | 0.92 | 0.67 |
| U7QMX2 | 5.39 | 1.21 | 1.78 | 6.56 | -2.33 | 3.13 | 4.65 | 1.34 | 2.74 | 6.50 | -1.69 | 1.32 | 7.53 | -2.32 | 0.71 |
| VCB32Y | 5.22 | 0.31 | 0.23 | 6.94 | -0.01 | 0.58 | 4.48 | 0.30 | 0.92 | 6.76 | 0.53 | 0.47 | 8.07 | 0.69 | 0.19 |
| W4XJ8Q | 5.23 | 0.35 | 0.30 | 6.94 | 0.03 | 0.80 | 4.40 | -0.23 | 0.60 | 6.75 | 0.48 | 0.24 | 8.03 | 0.51 | 0.07 |
| W69CWY | 5.15 | -0.09 | 0.26 | 6.91 | -0.17 | 0.83 | 4.42 | -0.13 | 0.73 | 6.65 | -0.39 | 0.16 | 7.92 | -0.14 | 0.31 |

## pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups — Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WC766T | 5.11 | -0.33 | 0.17 | 6.79 | -0.93 | 0.58 | 4.44 | 0.00 | 0.13 | 6.67 | -0.20 | 1.05 | 7.67 | -1.52 | 3.54 |
| WRZKDZ | 5.11 | -0.33 | 0.09 | 7.00 | 0.36 | 0.86 | 4.42 | -0.11 | 0.99 | 6.77 | 0.65 | 0.63 | 7.93 | -0.05 | 0.35 |
| XKUFTU | 5.08 | -0.50 | 0.09 | 6.92 | -0.13 | 0.11 | 4.31 | -0.83 | 0.13 | 6.58 | -1.01 | 0.09 | 8.03 | 0.49 | 0.12 |
| XR3PAN | 5.30 | 0.74 | 0.00 | 6.90 | -0.24 | 0.00 | 4.63 | 1.25 | 1.31 | 6.70 | 0.03 | 0.00 | 7.90 | -0.24 | 0.00 |
| XYHBJR | 5.22 | 0.28 | 0.34 | 6.81 | -0.79 | 0.19 | 4.64 | 1.32 | 0.66 | 6.72 | 0.20 | 0.16 | 8.01 | 0.36 | 0.07 |
| ZH6KBJ | 5.05 | -0.64 | 0.26 | 6.92 | -0.09 | 0.48 | 4.45 | 0.09 | 0.23 | 6.70 | 0.06 | 0.18 | 8.03 | 0.51 | 0.28 |
| ZTKTVQ | 5.53 | 2.00 | 0.84 | 6.85 | -0.54 | 0.00 | 4.90 | 2.92 | 1.45 | 7.09 | 3.28**X** | 1.22 | 8.26 | 1.77 | 0.87 |
| ZXH2CU | 5.00 | -0.92 | | 6.90 | -0.24 | 0.00 | 4.30 | -0.87 | 0.00 | 6.70 | 0.03 | 0.00 | 7.93 | -0.05 | 0.71 |

## pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups — Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 5.17 | 6.94 | 4.44 | 6.70 | 7.94 |
| **Median Abs Dev** | 0.09 | 0.06 | 0.07 | 0.06 | 0.07 |
| **Avg Within Lab SD** | 0.07 | 0.05 | 0.04 | 0.06 | 0.08 |
| **Labs Included** | 59 | 60 | 59 | 58 | 58 |
| **Labs Reporting** | 60 | 60 | 60 | 60 | 60 |

**pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups**  **Data units: Unit**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4F7LHP | 5.17 | -0.79 | 0.33 | 6.68 | -1.19 | 0.72 | 4.56 | -0.25 | 0.26 | 6.71 | -0.17 | 0.69 | 7.96 | -0.18 | 0.66 |
| 6ATHQD | 5.33 | 0.11 | 0.58 | 7.13 | 0.51 | 0.91 | 4.67 | 0.22 | 2.31 | 6.83 | 0.26 | 0.95 | 8.17 | 0.27 | 0.79 |
| 6PQCHL | 5.38 | 0.40 | 0.32 | 7.15 | 0.57 | 0.73 | 4.67 | 0.25 | 0.45 | 6.87 | 0.41 | 0.62 | 8.30 | 0.57 | 0.36 |
| 72EX2L | 5.23 | -0.47 | 0.00 | 7.18 | 0.69 | 0.18 | 4.53 | -0.37 | 0.06 | 6.84 | 0.29 | 0.16 | 8.29 | 0.54 | 0.08 |
| 7GNP4R | 6.39 | 6.11X | 0.35 | 7.20 | 0.76 | 1.49 | 6.24 | 7.29X | 1.44 | 6.25 | -1.87 | 0.81 | 7.33 | -1.59 | 1.17 |
| 8LG4AD | 5.54 | 1.30 | 3.98 | 6.89 | -0.38 | 0.18 | 4.53 | -0.37 | 0.97 | 6.62 | -0.53 | 1.16 | 8.05 | 0.00 | 1.31 |
| 9LGCZC | 5.16 | -0.87 | 0.62 | 6.46 | -2.00 | 1.11 | 4.97 | 1.58 | 2.61 | 6.27 | -1.81 | 2.09 | 7.42 | -1.39 | 0.14 |
| BBPT8N | 5.25 | -0.34 | 0.06 | 7.02 | 0.09 | 0.00 | 4.55 | -0.31 | 0.06 | 6.69 | -0.26 | 0.00 | 8.04 | 0.00 | 0.08 |
| BPNQC8 | 5.54 | 1.26 | 0.67 | 6.96 | -0.12 | 0.24 | 4.73 | 0.51 | 0.11 | 6.89 | 0.46 | 1.53 | 7.98 | -0.14 | 1.42 |
| CMCHHD | 5.05 | -1.47 | 0.15 | 6.73 | -1.00 | 0.40 | 4.47 | -0.67 | 0.17 | 6.74 | -0.09 | 0.91 | 8.13 | 0.18 | 0.21 |
| D7MPC7 | 6.42 | 6.28X | 0.06 | 6.89 | -0.40 | 0.42 | 5.42 | 3.60 | 0.40 | 6.05 | -2.62 | 0.41 | 6.94 | -2.45 | 0.34 |
| DUEXT8 | 5.52 | 1.17 | 0.70 | 6.43 | -2.12 | 1.38 | 4.96 | 1.55 | 1.54 | 6.17 | -2.18 | 1.17 | 7.23 | -1.81 | 2.68 |
| EPDZY7 | 5.35 | 0.21 | 0.46 | 6.98 | -0.05 | 0.73 | 4.62 | 0.01 | 0.40 | 6.81 | 0.16 | 0.50 | 8.04 | -0.02 | 0.57 |
| FWAGJB | 5.29 | -0.11 | 0.25 | 7.04 | 0.15 | 0.09 | 4.66 | 0.18 | 0.28 | 6.89 | 0.47 | 0.29 | 8.27 | 0.50 | 0.36 |
| HGR9VC | 5.06 | -1.45 | 0.06 | 6.92 | -0.27 | 0.09 | 4.41 | -0.94 | 0.06 | 6.68 | -0.30 | 0.16 | 8.11 | 0.14 | 0.14 |
| HH9DJ3 | 5.27 | -0.26 | 0.06 | 7.15 | 0.58 | 0.09 | 4.62 | 0.00 | 0.17 | 6.86 | 0.37 | 0.10 | 8.19 | 0.32 | 0.00 |
| JBV4FD | 5.34 | 0.17 | 0.25 | 7.02 | 0.07 | 0.37 | 4.64 | 0.12 | 0.36 | 6.92 | 0.57 | 0.10 | 8.31 | 0.58 | 0.28 |
| LLQW29 | 5.27 | -0.26 | 0.35 | 7.01 | 0.04 | 1.60 | 4.57 | -0.19 | 0.46 | 6.81 | 0.18 | 0.86 | 8.15 | 0.23 | 1.52 |
| LRY7H4 | 5.50 | 1.06 | 1.00 | 7.00 | 0.01 | 1.58 | 4.70 | 0.37 | 1.11 | 6.70 | -0.23 | 1.65 | 8.20 | 0.34 | 1.36 |
| MZQUN7 | 5.43 | 0.68 | 1.15 | 7.00 | 0.01 | | 4.53 | -0.37 | 0.64 | 6.70 | -0.23 | 0.00 | 8.40 | 0.79 | 0.00 |
| PPJYH7 | 5.37 | 0.30 | 0.15 | 7.12 | 0.47 | 0.64 | 4.68 | 0.30 | 0.13 | 6.88 | 0.45 | 0.10 | 8.28 | 0.52 | 0.47 |
| QBRP96 | 5.12 | -1.09 | | 6.39 | -2.25 | | 4.57 | -0.21 | | 6.64 | -0.45 | | 7.82 | -0.50 | |
| QVFBR8 | 5.26 | -0.30 | 0.44 | 7.17 | 0.66 | 1.23 | 4.58 | -0.15 | 0.23 | 6.89 | 0.46 | 0.50 | 5.37 | -5.95X | 0.24 |
| QZVJF8 | 5.36 | 0.26 | | 7.29 | 1.09 | | 4.48 | -0.61 | | 6.68 | -0.30 | | 7.71 | -0.75 | |
| UNBDWZ | 6.33 | 5.77X | 0.58 | 6.73 | -0.98 | 0.91 | 8.00 | 15.16X | | 7.57 | 2.95 | 0.95 | 7.77 | -0.62 | 0.79 |
| XQLP3R | 5.47 | 0.87 | 0.12 | 7.00 | 0.00 | 0.33 | 4.62 | 0.01 | 0.00 | 6.62 | -0.53 | 0.25 | 7.73 | -0.71 | 0.16 |

## pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups

Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Y2X9YT | 5.28 | -0.17 | 0.58 | 6.59 | -1.51 | 0.57 | 4.62 | 0.00 | 1.05 | 5.73 | -3.78X | 4.16 | 6.56 | -3.31 | 2.05 |
| YL6GER | 5.24 | -0.43 | 0.12 | 6.60 | -1.49 | 2.94 | 4.53 | -0.37 | 0.70 | 6.79 | 0.09 | 1.53 | 8.19 | 0.32 | 0.08 |
| YTNTHL | 5.62 | 1.72 | 1.70 | 6.97 | -0.10 | 0.84 | 5.66 | 4.66 | 2.28 | 6.82 | 0.20 | 2.40 | 8.00 | -0.09 | 1.58 |

## pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups

Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 5.31 | 7.00 | 4.62 | 6.76 | 8.05 |
| Median Abs Dev | 0.08 | 0.14 | 0.07 | 0.11 | 0.23 |
| Avg Within Lab SD | 0.10 | 0.06 | 0.09 | 0.06 | 0.07 |
| Labs Included | 26 | 29 | 27 | 28 | 28 |
| Labs Reporting | 29 | 29 | 29 | 29 | 29 |

## pH (1:1) 0.01MCaCl2 (SubTestCode 118) in the Soil pH & EC Property Groups

Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8XAPAG | 5.14 | 2.55X | 0.07 | 6.74 | 2.54X | 1.41 | 4.57 | 3.86X | 0.44 | 6.57 | 1.05 | 0.23 | 7.76 | 0.95 | 0.46 |
| 9LGCZC | 4.93 | -0.43 | 2.41 | 6.16 | -1.77 | 1.01 | 4.19 | -0.29 | 2.16 | 6.08 | -5.34X | 0.70 | 7.24 | -4.70X | 1.92 |
| AG24CD | 5.09 | 1.88 | 0.46 | 6.41 | 0.09 | 0.20 | 4.32 | 1.12 | 0.53 | 6.46 | -0.44 | 0.86 | 7.60 | -0.80 | 0.00 |
| CMCHHD | 4.87 | -1.25 | 0.20 | 6.43 | 0.26 | 0.31 | 4.21 | 0.00 | 0.64 | 6.47 | -0.26 | 0.46 | 7.70 | 0.27 | 1.08 |
| DUEXT8 | 4.97 | 0.19 | 2.30 | 6.07 | -2.41 | 1.93 | 4.33 | 1.26 | 1.32 | 6.07 | -5.52X | 2.32 | 7.41 | -2.87 | 0.69 |
| EUTJ39 | 4.96 | 0.05 | 1.16 | 6.42 | 0.14 | 1.18 | 4.20 | -0.18 | 1.30 | 6.46 | -0.44 | 1.47 | 7.70 | 0.27 | 2.45 |
| GZQVCB | 4.89 | -1.01 | 0.13 | 6.32 | -0.58 | 0.20 | 4.21 | -0.07 | 0.15 | 6.44 | -0.66 | 0.40 | 7.63 | -0.51 | 0.62 |
| H6FRD8 | 5.02 | 0.87 | 0.84 | 6.44 | 0.33 | 0.31 | 4.31 | 1.08 | 1.92 | 6.58 | 1.23 | 2.70 | 7.65 | -0.30 | 1.48 |
| HH9DJ3 | 4.97 | 0.14 | 0.34 | 6.45 | 0.38 | 0.40 | 4.31 | 1.01 | 0.39 | 6.56 | 0.88 | 0.13 | 7.72 | 0.45 | 0.17 |
| KF94C4 | 4.96 | -0.05 | 0.20 | 6.40 | 0.04 | 0.51 | 4.29 | 0.83 | 0.25 | 6.50 | 0.13 | 0.23 | 7.70 | 0.24 | 1.05 |
| KHEFJ7 | 4.98 | 0.24 | 0.20 | 6.48 | 0.58 | 0.31 | 4.21 | 0.00 | 0.15 | 6.54 | 0.61 | 0.35 | 7.82 | 1.56 | 0.60 |
| MRHAQ4 | 5.01 | 0.67 | 0.39 | 6.32 | -0.61 | 1.21 | 4.19 | -0.25 | 0.51 | 6.50 | 0.09 | 0.48 | 7.68 | 0.06 | 1.30 |
| VCB32Y | 4.96 | -0.05 | 0.45 | 6.39 | -0.04 | 0.23 | 4.26 | 0.50 | 1.01 | 6.49 | 0.00 | 0.46 | 7.65 | -0.30 | 0.62 |
| XKUFTU | 4.84 | -1.75 | 0.21 | 6.33 | -0.50 | 0.41 | 4.06 | -1.62 | 0.13 | 6.39 | -1.37 | 0.10 | 7.67 | -0.06 | 0.03 |
| ZXH2CU | 4.90 | -0.87 | 0.00 | 6.17 | -1.72 | 2.32 | 4.10 | -1.23 | 0.00 | 6.37 | -1.62 | 1.32 | 7.60 | -0.80 | 0.00 |

## pH (1:1) 0.01MCaCl2 (SubTestCode 118) in the Soil pH & EC Property Groups

Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 4.96 | 6.40 | 4.21 | 6.49 | 7.67 |
| Median Abs Dev | 0.04 | 0.06 | 0.06 | 0.05 | 0.04 |
| Avg Within Lab SD | 0.08 | 0.05 | 0.04 | 0.04 | 0.03 |
| Labs Included | 14 | 14 | 14 | 13 | 14 |
| Labs Reporting | 15 | 15 | 15 | 15 | 15 |

## pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups

Data units: Unit

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3U6BYV | 5.11 | 0.89 | 1.22 | 6.21 | -0.41 | 1.19 | 4.17 | -1.50 | 0.56 | 6.35 | -0.59 | 0.59 | 7.67 | -0.21 | 0.49 |
| 4F7LHP | 4.93 | -0.41 | 0.97 | 6.17 | -0.60 | 1.04 | 4.28 | -0.23 | 0.38 | 6.42 | -0.26 | 1.19 | 7.52 | -0.71 | 0.90 |
| 6PQCHL | 5.06 | 0.53 | 0.70 | 6.41 | 0.41 | 1.87 | 4.34 | 0.41 | 1.21 | 6.51 | 0.14 | 2.10 | 7.74 | 0.04 | 1.52 |
| 72EX2L | 4.98 | -0.04 | 0.00 | 6.47 | 0.65 | 0.12 | 4.30 | 0.02 | 0.11 | 6.59 | 0.46 | 0.10 | 7.90 | 0.61 | 0.08 |
| 86VF6P | 5.01 | 0.20 | 0.08 | 6.43 | 0.50 | 0.21 | 4.34 | 0.49 | 0.21 | 6.58 | 0.41 | 0.10 | 7.86 | 0.46 | 0.24 |
| 8LG4A2 | 4.96 | -0.20 | 0.64 | 6.43 | 0.50 | 0.57 | 4.22 | -0.99 | 0.21 | 6.50 | 0.08 | 0.73 | 7.72 | -0.04 | 0.82 |
| 8LG4AD | 5.37 | 2.74 | 2.64 | 6.18 | -0.52 | 0.65 | 4.11 | -2.24 | 1.97 | 6.10 | -1.67 | 0.97 | 7.34 | -1.35 | 1.75 |
| 9LGCZC | 4.99 | 0.01 | 0.75 | 6.00 | -1.27 | 0.49 | 4.37 | 0.84 | 1.37 | 6.01 | -2.03 | 1.22 | 7.28 | -1.54 | 1.38 |
| CMCHHD | 5.07 | 0.63 | 0.64 | 6.52 | 0.85 | 0.75 | 4.28 | -0.25 | 0.18 | 6.56 | 0.35 | 0.42 | 7.75 | 0.06 | 0.16 |
| DUEXT8 | 5.39 | 2.88 | 1.31 | 5.89 | -1.73 | 0.93 | 4.42 | 1.42 | 2.35 | 5.86 | -2.68 | 0.86 | 6.97 | -2.62 | 1.13 |
| FWAGJB | 4.94 | -0.32 | 0.23 | 6.43 | 0.48 | 0.45 | 4.32 | 0.18 | 0.64 | 6.54 | 0.27 | 0.26 | 7.81 | 0.29 | 0.43 |
| N79TKW | 4.98 | -0.01 | 0.16 | 6.39 | 0.33 | 0.43 | 4.29 | -0.10 | 0.21 | 6.48 | -0.01 | 0.17 | 7.75 | 0.06 | 0.32 |
| TZUE4V | 4.95 | -0.22 | 0.55 | 6.23 | -0.33 | 0.74 | 4.37 | 0.76 | 0.42 | 6.48 | 0.01 | 0.19 | 7.75 | 0.08 | 0.84 |
| WC766T | 4.93 | -0.37 | 0.78 | 6.10 | -0.87 | 2.14 | 4.30 | -0.02 | 0.00 | 6.37 | -0.50 | 1.94 | 7.33 | -1.37 | 1.62 |

## pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups

Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 4.99 | 6.31 | 4.30 | 6.48 | 7.73 |
| Median Abs Dev | 0.05 | 0.12 | 0.04 | 0.09 | 0.11 |
| Avg Within Lab SD | 0.07 | 0.05 | 0.05 | 0.06 | 0.07 |
| Labs Included | 14 | 14 | 14 | 14 | 14 |
| Labs Reporting | 14 | 14 | 14 | 14 | 14 |

**pH (1:1) 1.0MKCl (SubTestCode 1192) in the Soil pH & EC Property Groups**  Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 4.80 | 0.57 | | 6.19 | 1.41 | | 4.20 | 0.58 | | 6.56 | 1.05 | | 7.64 | 0.87 | |
| QBRP96 | 4.78 | | | 6.10 | | | 4.22 | | | 6.38 | | | 7.54 | | |
| ZTKTVQ | 4.81 | 1.29 | | 6.23 | 0.00 | | 4.14 | 1.29 | | 6.52 | 0.95 | | 7.81 | 1.12 | |

**pH (1:1) 1.0MKCl (SubTestCode 1192) in the Soil pH & EC Property Groups**  Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 4.80 | 6.19 | 4.20 | 6.52 | 7.64 |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 0.04 | 0.03 | 0.05 | 0.08 | 0.06 |
| Labs Included | 3 | 3 | 3 | 3 | 3 |
| Labs Reporting | 3 | 3 | 3 | 3 | 3 |

## Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups — Data units: dS/m

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BPNQC8 | 0.199 | 1.34 | | 0.094 | 1.41 | | 0.299 | 1.34 | | 0.405 | 1.41 | | 0.299 | 1.38 | |
| D7MPC7 | 0.175 | 0.46 | | 0.063 | 0.03 | | 0.289 | 0.45 | | 0.345 | 0.08 | | 0.264 | 0.30 | |

## Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups — Data units: dS/m

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.19 | 0.079 | 0.29 | 0.38 | 0.28 |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 0.00 | 0.018 | 0.01 | 0.02 | 0.01 |
| Labs Included | 2 | 2 | 2 | 2 | 2 |
| Labs Reporting | 2 | 2 | 2 | 2 | 2 |

**SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups**  Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 6.72 | 0.28 | 0.16 | 7.12 | 0.23 | 0.39 | 6.84 | 0.35 | 1.32 | 7.22 | 0.10 | 0.26 | 7.52 | -0.19 | 1.04 |
| 3U6BYV | 6.50 | -0.54 | 1.85 | 6.96 | -0.45 | 1.87 | 6.67 | -0.16 | 0.43 | 7.15 | -0.27 | 2.10 | 7.54 | 0.00 | 0.68 |
| 7GNP4R | 7.02 | 1.45 | 0.13 | 7.45 | 1.70 | 0.46 | 7.08 | 1.05 | 1.37 | 7.20 | 0.00 | 1.20 | 7.18 | -3.47 | 0.33 |
| 86VF6P | 6.69 | 0.18 | 0.00 | 7.11 | 0.20 | 0.00 | 6.76 | 0.09 | 0.22 | 7.24 | 0.24 | 0.15 | 7.55 | 0.06 | 0.00 |
| 8Q9F3N | 6.65 | 0.03 | 0.85 | 7.08 | 0.08 | 0.29 | 6.73 | 0.00 | 0.57 | 7.23 | 0.14 | 0.30 | 7.54 | 0.00 | 0.19 |
| 8XAPAG | 6.18 | -1.78 | 0.28 | 6.84 | -1.01 | 2.12 | 6.14 | -1.75 | 0.95 | 6.06 | -6.50**X** | 0.83 | 7.55 | 0.03 | 0.38 |
| 9D72ND | 6.27 | -1.45 | 1.64 | 6.50 | -2.49 | | 6.10 | -1.86 | 0.00 | 6.50 | -3.98 | | 6.80 | -7.11**X** | 0.00 |
| DUEXT8 | 6.57 | -0.27 | 0.43 | 7.05 | -0.08 | 0.39 | 6.75 | 0.07 | 0.38 | 7.20 | 0.01 | 0.40 | 7.55 | 0.03 | 0.50 |
| GZQVCB | 6.70 | 0.23 | 0.43 | 7.12 | 0.26 | 0.39 | 6.74 | 0.04 | 0.75 | 7.18 | -0.14 | 0.65 | 7.44 | -0.96 | 1.96 |
| H6FRD8 | 6.31 | -1.29 | 1.40 | 7.00 | -0.29 | 0.51 | 6.21 | -1.52 | 0.78 | 7.02 | -1.01 | 0.40 | 7.56 | 0.13 | 0.75 |
| JXALTZ | 6.64 | 0.00 | 0.16 | | | | 6.43 | -0.89 | 0.95 | | | | | | |
| R4PY67 | 6.90 | 0.98 | | 7.30 | 1.04 | | 7.00 | 0.81 | | 7.40 | 1.13 | | 7.70 | 1.50 | |
| WC766T | 6.57 | -0.29 | 1.64 | 7.00 | -0.29 | | 6.67 | -0.18 | 2.17 | 7.13 | -0.39 | 1.50 | 7.43 | -1.05 | 1.88 |

**SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups**  Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 6.64 | 7.07 | 6.73 | 7.20 | 7.54 |
| **Median Abs Dev** | 0.08 | 0.06 | 0.12 | 0.04 | 0.01 |
| **Avg Within Lab SD** | 0.04 | 0.04 | 0.03 | 0.04 | 0.03 |
| **Labs Included** | 13 | 12 | 13 | 11 | 11 |
| **Labs Reporting** | 13 | 12 | 13 | 12 | 12 |

**Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups**   Data units: Unit

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3WWADT | 6.61 | -1.19 | 1.21 | | | | 6.64 | -1.03 | 0.24 | | | | | | |
| 7GNP4R | 7.05 | 3.16X | 0.10 | 7.47 | 1.93 | 0.98 | 7.10 | 2.73 | 0.87 | 7.22 | -0.55 | 1.44 | 7.20 | -6.69X | 0.49 |
| 7NAFPM | 6.78 | 0.52 | 0.14 | 7.20 | -0.22 | 0.53 | 6.84 | 0.62 | 1.18 | 7.22 | -0.61 | 0.82 | 7.47 | -2.14 | 0.52 |
| BVW8T9 | 7.20 | 4.73X | 0.00 | 7.40 | 1.36 | 0.00 | 7.20 | 3.52X | 0.00 | 7.37 | 1.46 | 1.79 | 7.60 | 0.00 | 0.00 |
| CWMK4E | 6.60 | -1.32 | 0.09 | 7.03 | -1.57 | 0.05 | 6.69 | -0.64 | 0.06 | 7.15 | -1.61 | 0.13 | 7.50 | -1.75 | 0.07 |
| DF9V4J | 6.73 | 0.02 | 1.41 | 7.40 | 1.36 | 0.00 | 6.73 | -0.27 | 1.39 | 7.30 | 0.52 | 0.00 | 7.70 | 1.69 | 0.00 |
| EN39TB | 6.76 | 0.25 | 1.85 | 7.22 | -0.07 | 1.83 | 6.75 | -0.16 | 0.97 | 7.26 | -0.09 | 1.25 | 7.59 | -0.17 | 1.97 |
| EPDZY7 | 6.68 | -0.52 | 0.73 | 7.28 | 0.41 | 0.91 | 6.83 | 0.51 | 0.63 | 7.26 | 0.00 | 0.64 | 7.61 | 0.17 | 0.45 |
| FPDBEA | 6.87 | 1.36 | 1.41 | 7.38 | 1.22 | 1.52 | 6.87 | 0.81 | 1.39 | 7.40 | 1.93 | 0.00 | 7.70 | 1.69 | 0.00 |
| GDU8HA | 6.73 | 0.02 | 1.41 | 7.30 | 0.57 | 0.00 | 6.70 | -0.54 | 0.00 | 7.30 | 0.52 | 0.00 | 7.63 | 0.56 | 2.61 |
| GRFTQA | 6.73 | -0.02 | 0.00 | 7.27 | 0.33 | 0.00 | 6.72 | -0.38 | 0.00 | 7.29 | 0.38 | 0.00 | 7.60 | 0.00 | 0.00 |
| GZQVCB | 6.72 | -0.08 | 0.14 | 7.19 | -0.30 | 0.53 | 6.74 | -0.19 | 0.37 | 7.21 | -0.75 | 0.31 | 7.50 | -1.63 | 0.26 |
| HH9DJ3 | 6.69 | -0.42 | 1.49 | 7.22 | -0.04 | 0.81 | 6.72 | -0.35 | 0.28 | 7.25 | -0.19 | 0.31 | 7.59 | -0.23 | 0.52 |
| JBV4FD | 6.85 | 1.19 | 0.65 | | | | 6.92 | 1.27 | 0.55 | 7.33 | 0.90 | 0.36 | | | |
| JK7EW4 | 6.77 | 0.43 | 1.04 | 7.28 | 0.40 | 1.09 | 6.85 | 0.70 | 0.47 | 7.29 | 0.39 | 0.41 | 7.63 | 0.43 | 0.58 |
| KHEFJ7 | 6.78 | 0.45 | 0.37 | 7.19 | -0.30 | 0.53 | 6.77 | 0.00 | 0.37 | 7.22 | -0.61 | 0.82 | 7.53 | -1.13 | 0.26 |
| M6MR24 | 6.70 | -0.32 | 0.00 | 7.20 | -0.22 | 0.00 | 6.80 | 0.27 | 0.00 | 7.23 | -0.42 | 1.79 | 7.63 | 0.56 | 2.61 |
| P3TKWW | 6.73 | -0.02 | 0.00 | 7.16 | -0.54 | 0.00 | 6.84 | 0.57 | 0.14 | 7.27 | 0.05 | 0.18 | 7.60 | 0.00 | 0.00 |
| PK3QU7 | 6.60 | -1.33 | 2.45 | 7.00 | -1.80 | | 6.70 | -0.54 | 2.40 | 7.20 | -0.90 | 3.09 | 7.00 | -10.13X | |
| TFKQ8P | 6.80 | 0.72 | 0.57 | 7.23 | 0.04 | 0.61 | 6.89 | 1.03 | 0.60 | 7.29 | 0.38 | 0.93 | 7.61 | 0.11 | 0.94 |
| TZUE4V | 6.69 | -0.42 | 0.49 | 7.22 | -0.07 | 0.91 | 6.71 | -0.43 | 0.91 | 7.23 | -0.52 | 0.47 | 7.62 | 0.28 | 0.26 |
| XKUFTU | 6.51 | -2.27 | 0.14 | 7.13 | -0.78 | 0.53 | 6.75 | -0.14 | 0.24 | 7.21 | -0.80 | 0.18 | 7.58 | -0.34 | 0.45 |
| XR3PAN | 6.90 | 1.70 | 0.00 | 7.37 | 1.09 | 3.05 | 7.03 | 2.17 | 2.77 | 7.40 | 1.93 | 0.00 | 7.60 | 0.00 | 0.00 |
| XYHBJR | 6.76 | 0.25 | 0.28 | 7.26 | 0.22 | 0.30 | 6.79 | 0.16 | 0.14 | 7.26 | 0.00 | 0.18 | 7.64 | 0.62 | 0.26 |

**Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups**  Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 6.73 | 7.23 | 6.77 | 7.26 | 7.60 |
| **Median Abs Dev** | 0.04 | 0.05 | 0.07 | 0.04 | 0.02 |
| **Avg Within Lab SD** | 0.04 | 0.02 | 0.04 | 0.03 | 0.02 |
| **Labs Included** | 22 | 22 | 23 | 23 | 20 |
| **Labs Reporting** | 24 | 22 | 24 | 23 | 22 |

**Sikora Buffer 2 pH (SubTestCode 1232) in the Buffer pH, Lime Requirement Property Groups**    Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 6.66 | 1.00 | | | | | 6.70 | 1.00 | | | | | | | |

**Sikora Buffer 2 pH (SubTestCode 1232) in the Buffer pH, Lime Requirement Property Groups**    Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 6.66 | | 6.70 | | |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 |
| Labs Included | 1 | 0 | 1 | 0 | 0 |
| Labs Reporting | 1 | 0 | 1 | 0 | 0 |

**Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups** — Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44YNNM | 7.56 | 1.31 | 1.10 | 7.79 | 1.96 | 1.61 | 7.64 | 0.27 | 0.73 | 7.77 | 0.21 | 1.08 | 7.90 | 0.88 | 0.45 |
| H6FRD8 | 7.41 | -1.03 | 1.10 | 7.69 | -0.24 | 0.81 | 7.50 | -1.38 | 1.72 | 7.67 | -1.14 | 1.08 | 7.83 | -0.80 | 1.95 |
| LLQW29 | 7.48 | 0.00 | 0.17 | 7.72 | 0.39 | 0.53 | 7.62 | 0.00 | 0.48 | 7.76 | 0.00 | 0.54 | 7.86 | 0.00 | 0.00 |
| P3TKWW | 7.49 | 0.16 | 0.60 | 7.70 | 0.00 | 0.81 | 7.63 | 0.08 | 0.55 | 7.77 | 0.21 | 1.43 | 7.87 | 0.32 | 0.45 |
| TCJDUX | 7.42 | -0.87 | 1.49 | 7.67 | -0.78 | 0.91 | 7.48 | -1.65 | 0.99 | 7.61 | -1.81 | 0.54 | 7.80 | -1.37 | 0.89 |

**Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups** — Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 7.48 | 7.70 | 7.62 | 7.76 | 7.86 |
| Median Abs Dev | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 |
| Avg Within Lab SD | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| Labs Included | 5 | 5 | 5 | 5 | 5 |
| Labs Reporting | 5 | 5 | 5 | 5 | 5 |

**Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups** — Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7GNP4R | 6.82 | 1.57 | 0.15 | 7.12 | 1.51 | 0.73 | 6.86 | 1.62 | 1.06 | 6.94 | 0.00 | 1.10 | 6.93 | -1.74 | 0.27 |
| H6FRD8 | 6.60 | 0.15 | 0.84 | 6.95 | 0.00 | 1.29 | 6.52 | 0.00 | 1.25 | 6.95 | 0.23 | 0.83 | 7.14 | 0.00 | 0.76 |
| HH9DJ3 | 6.37 | -1.38 | 1.12 | 6.81 | -1.28 | 0.85 | 6.30 | -1.02 | 0.94 | 6.88 | -1.45 | 0.50 | 7.14 | 0.00 | 0.55 |
| VCB32Y | 6.58 | 0.00 | 1.23 | 6.91 | -0.37 | 1.41 | 6.52 | 0.00 | 1.03 | 6.93 | -0.28 | 0.99 | 7.08 | -0.50 | 0.91 |
| W4XJ8Q | 6.54 | -0.26 | 1.23 | 6.98 | 0.21 | 0.32 | 6.36 | -0.73 | 0.62 | 7.01 | 1.41 | 1.37 | 7.27 | 1.14 | 1.79 |

**Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups** — Data units: Unit

|  | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 6.58 | 6.95 | 6.52 | 6.94 | 7.14 |
| Median Abs Dev | 0.04 | 0.04 | 0.15 | 0.01 | 0.06 |
| Avg Within Lab SD | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 |
| Labs Included | 5 | 5 | 5 | 5 | 5 |
| Labs Reporting | 5 | 5 | 5 | 5 | 5 |

**Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups**  Data units: Unit

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| FZPP8A | 6.13 | 1.15 | | | | | 6.00 | 0.73 | | 6.50 | 0.57 | | | | |
| KF94C4 | 6.23 | 0.83 | | 6.49 | 1.00 | | 6.12 | 1.21 | | 6.50 | 1.29 | | 6.75 | 1.00 | |

**Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups**  Data units: Unit

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 6.18 | 6.49 | 6.06 | 6.50 | 6.75 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 |
| **Labs Included** | 2 | 1 | 2 | 2 | 1 |
| **Labs Reporting** | 2 | 1 | 2 | 2 | 1 |

**NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**  Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 103.7 | 0.20 | 0.47 | 15.7 | 0.97 | 1.92 | 134.1 | 0.18 | 0.85 | 142.6 | -0.21 | 2.07 | 114.0 | 0.54 | 0.88 |
| 2W2DFK | 103.3 | 0.15 | 0.61 | 14.7 | 0.52 | 1.05 | 130.1 | -0.07 | 1.14 | 134.7 | -0.72 | 0.47 | 102.7 | -0.51 | 0.40 |
| 3GXKWM | 100.0 | -0.20 | | 14.0 | 0.22 | | 120.0 | -0.71 | | 144.0 | -0.12 | | 108.0 | -0.02 | |
| 3UUGAM | 93.3 | -0.91 | 0.20 | 15.0 | 0.65 | 0.29 | 134.4 | 0.20 | 0.11 | 151.9 | 0.39 | 0.50 | 104.6 | -0.33 | 0.81 |
| 3WWADT | 113.0 | 1.18 | 2.24 | 12.9 | -0.28 | 0.65 | 175.7 | 2.81 | 1.24 | 171.3 | 1.65 | 1.29 | 127.3 | 1.78 | 1.46 |
| 44YNNM | 109.2 | 0.77 | 1.35 | 11.7 | -0.78 | 0.61 | 161.8 | 1.93 | 4.90 | 158.5 | 0.82 | 0.59 | 89.5 | -1.74 | 0.58 |
| 6ATHQD | 89.3 | -1.33 | 0.36 | 15.0 | 0.66 | | 130.0 | -0.08 | | 150.0 | 0.27 | 1.90 | 116.7 | 0.79 | 1.68 |
| 6PQCH2 | 92.7 | -0.97 | 2.68 | 13.9 | 0.18 | 0.83 | 124.7 | -0.41 | 0.77 | 139.0 | -0.44 | 2.14 | 113.7 | 0.51 | 0.44 |
| 6PQCHL | 95.9 | -0.63 | 2.72 | 13.0 | -0.24 | 1.28 | 124.7 | -0.41 | 1.24 | 142.7 | -0.20 | 1.22 | 108.7 | 0.05 | 2.14 |
| 7NAFPM | 96.5 | -0.57 | 1.96 | 14.0 | 0.22 | 0.56 | 113.8 | -1.10 | 0.42 | 113.3 | -2.11 | 0.76 | 105.2 | -0.28 | 0.63 |
| 7ZNKQG | 93.1 | -0.93 | 0.04 | 13.5 | -0.01 | 0.29 | 124.3 | -0.43 | 0.22 | 142.3 | -0.23 | 0.67 | 108.3 | 0.02 | 1.02 |
| 86VF6P | 100.2 | -0.18 | 0.22 | 14.1 | 0.25 | 0.19 | 127.3 | -0.25 | 0.29 | 143.0 | -0.18 | 0.19 | 109.0 | 0.08 | 0.29 |
| 8Q9F3N | 107.7 | 0.61 | 0.48 | 16.8 | 1.48 | 0.44 | 133.7 | 0.15 | 0.40 | 155.7 | 0.64 | 0.58 | 116.3 | 0.76 | 0.17 |
| 9D3RFD | 13.7 | -9.36X | 0.32 | 101.7 | 39.08X | 3.36 | 145.5 | 0.90 | 0.52 | 154.2 | 0.54 | 0.46 | 114.2 | 0.56 | 0.29 |
| 9D72ND | 123.7 | 2.32 | 0.64 | 15.5 | 0.89 | 0.13 | 155.3 | 1.52 | 1.35 | 180.2 | 2.23 | 1.35 | 133.9 | 2.39 | 1.08 |
| BVW8T9 | 106.0 | 0.44 | 0.54 | 17.6 | 1.82 | 1.08 | 140.5 | 0.58 | 0.18 | 168.0 | 1.44 | 1.24 | 124.0 | 1.47 | 1.01 |
| DF9V4J | 106.6 | 0.50 | 0.44 | 11.9 | -0.71 | 0.51 | 130.9 | -0.02 | 0.54 | 157.4 | 0.75 | 0.14 | 108.3 | 0.02 | 0.62 |
| EN39TB | 98.1 | -0.40 | 0.67 | 12.3 | -0.51 | 0.38 | 148.0 | 1.06 | 0.71 | 151.2 | 0.35 | 0.51 | 106.3 | -0.17 | 0.39 |
| EPDZY7 | 100.0 | -0.20 | 0.31 | 11.6 | -0.86 | 0.19 | 140.7 | 0.60 | 0.46 | 152.3 | 0.42 | 0.68 | 107.9 | -0.02 | 1.35 |
| F673ZB | 123.0 | 2.24 | 0.31 | 11.5 | -0.90 | 0.62 | 179.7 | 3.06 | 0.40 | 185.0 | 2.54 | 0.19 | 124.7 | 1.54 | 0.44 |
| FPDBEA | 93.0 | -0.94 | 0.54 | 11.5 | -0.89 | 0.63 | 147.0 | 1.00 | 0.50 | 141.7 | -0.27 | 0.55 | 93.7 | -1.35 | 0.67 |
| FZPP8A | 109.4 | 0.80 | 1.08 | 14.3 | 0.34 | 0.68 | 139.7 | 0.53 | 1.06 | 156.5 | 0.69 | 0.67 | 115.4 | 0.67 | 0.58 |
| GRFTQA | 104.6 | 0.29 | 0.00 | 15.3 | 0.80 | 0.00 | 131.1 | -0.01 | 0.00 | 144.2 | -0.10 | 0.00 | 111.4 | 0.30 | 0.00 |
| GZQVCB | 100.9 | -0.10 | 0.12 | 15.1 | 0.71 | 0.25 | 116.3 | -0.95 | 0.25 | 149.7 | 0.25 | 0.22 | 101.6 | -0.61 | 0.61 |
| H6FRD8 | 90.3 | -1.23 | 0.24 | 10.9 | -1.13 | 0.10 | 112.2 | -1.20 | 0.22 | 125.7 | -1.30 | 0.40 | 91.4 | -1.56 | 0.14 |
| HGXCX4 | 105.4 | 0.37 | 0.44 | 12.8 | -0.31 | 0.37 | 127.6 | -0.23 | 0.35 | 142.4 | -0.22 | 0.20 | 103.7 | -0.42 | 0.34 |

**NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**  
**Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HH9DJ3 | 107.5 | 0.60 | 1.02 | 13.3 | -0.07 | 0.84 | 145.0 | 0.87 | 1.44 | 157.7 | 0.77 | 2.29 | 105.5 | -0.25 | 3.87 |
| JBV4FD | 99.1 | -0.29 | 0.26 | 13.8 | 0.11 | 0.31 | 127.9 | -0.21 | 0.13 | 138.3 | -0.49 | 0.37 | 107.0 | -0.11 | 0.55 |
| JK7EW4 | 118.0 | 1.71 | 0.82 | 12.9 | -0.28 | 0.98 | 159.3 | 1.78 | 1.66 | 167.7 | 1.41 | 1.87 | 120.3 | 1.13 | 0.67 |
| JXALTZ | 118.3 | 1.75 | 0.18 | 14.9 | 0.62 | 0.13 | 143.7 | 0.79 | 0.40 | 160.7 | 0.96 | 0.11 | 125.0 | 1.57 | 0.29 |
| LLQW29 | 101.9 | 0.00 | 0.36 | 15.5 | 0.87 | 0.53 | 123.5 | -0.49 | 0.60 | 149.2 | 0.22 | 0.33 | 112.7 | 0.43 | 0.34 |
| LRY7H4 | 88.7 | -1.40 | 0.17 | 12.4 | -0.47 | 0.44 | 123.4 | -0.50 | 0.09 | 127.4 | -1.19 | 0.27 | 95.8 | -1.15 | 0.24 |
| M6MR24 | 95.2 | -0.71 | 0.62 | 13.2 | -0.12 | 0.07 | 123.2 | -0.51 | 0.57 | 143.7 | -0.13 | 2.82 | 101.8 | -0.60 | 0.85 |
| MM3234 | 108.3 | 0.69 | 1.18 | 15.3 | 0.81 | 2.92 | 136.0 | 0.30 | 1.06 | 158.0 | 0.79 | 0.68 | 123.3 | 1.41 | 0.17 |
| P3TKWW | 99.4 | -0.26 | 0.03 | 13.5 | 0.00 | 0.13 | 129.5 | -0.11 | 0.22 | 143.2 | -0.17 | 0.26 | 107.4 | -0.07 | 0.11 |
| PTLTHV | 104.3 | 0.26 | 0.78 | 15.4 | 0.86 | 0.37 | 131.3 | 0.01 | 0.22 | 153.3 | 0.49 | 0.39 | 120.3 | 1.13 | 0.60 |
| QBRP96 | 47.0 | -5.82X | | 15.5 | 0.88 | | 47.3 | -5.30X | | 47.4 | -6.37X | | 47.1 | -5.68X | |
| TCJDUX | 104.5 | 0.28 | 1.58 | 11.2 | -1.03 | 0.44 | 119.5 | -0.74 | 0.28 | 132.0 | -0.89 | 0.53 | 96.2 | -1.11 | 0.60 |
| TFKQ8P | 98.2 | -0.39 | 0.28 | 11.8 | -0.75 | 0.49 | 134.8 | 0.23 | 0.46 | 137.8 | -0.52 | 0.89 | 105.6 | -0.24 | 0.67 |
| TQJCHV | 103.1 | 0.13 | 0.17 | 15.7 | 0.96 | 0.44 | 126.6 | -0.29 | 0.59 | 144.3 | -0.10 | 0.04 | 108.0 | -0.02 | 0.78 |
| VCB32Y | 99.0 | -0.31 | 1.56 | 12.9 | -0.27 | 0.25 | 151.3 | 1.27 | 1.05 | 143.3 | -0.16 | 0.48 | 108.0 | -0.02 | 1.74 |
| W4XJ8Q | 104.5 | 0.27 | 0.18 | 10.7 | -1.23 | 0.19 | 159.3 | 1.77 | 0.54 | 172.7 | 1.74 | 0.59 | 121.1 | 1.20 | 0.49 |
| WC766T | 98.2 | -0.39 | 1.16 | 13.6 | 0.04 | 0.34 | 119.0 | -0.77 | 0.69 | 131.0 | -0.96 | 1.33 | 103.1 | -0.47 | 0.97 |
| XQLP3R | 111.7 | 1.04 | 0.05 | 15.4 | 0.83 | 0.05 | 133.2 | 0.13 | 0.01 | 147.8 | 0.13 | 0.07 | 116.4 | 0.76 | 0.06 |
| XR3PAN | 97.7 | -0.45 | 0.18 | 11.0 | -1.11 | 0.63 | 140.8 | 0.61 | 0.52 | 147.3 | 0.10 | 0.14 | 107.3 | -0.08 | 0.47 |
| XYHBJR | 112.4 | 1.11 | 1.15 | 13.0 | -0.22 | 0.72 | 130.4 | -0.05 | 0.49 | 136.9 | -0.58 | 0.48 | 116.6 | 0.79 | 0.93 |
| Y2X9YT | 104.1 | 0.24 | 0.35 | 8.3 | -2.30 | 0.25 | 129.3 | -0.12 | 0.55 | 153.8 | 0.51 | 0.81 | 110.7 | 0.23 | 1.41 |
| YTNTHL | 95.3 | -0.70 | 1.99 | 8.4 | -2.27 | 0.59 | 132.0 | 0.05 | 0.83 | 134.3 | -0.75 | 1.33 | 98.6 | -0.89 | 1.30 |
| ZH6KBJ | 99.4 | -0.27 | 0.50 | 13.9 | 0.16 | 0.34 | 125.0 | -0.39 | 0.09 | 142.2 | -0.23 | 0.12 | 105.7 | -0.23 | 0.28 |
| ZTKTVQ | 66.7 | -3.74X | 2.28 | 12.5 | -0.46 | 4.58 | 73.5 | -3.65X | 1.30 | 75.8 | -4.53X | 3.33 | 69.5 | -3.60X | 3.37 |

**NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 101.9 | 13.5 | 131.2 | 145.8 | 108.2 |
| Median Abs Dev | 4.7 | 1.5 | 7.8 | 7.7 | 5.7 |
| Avg Within Lab SD | 3.2 | 0.8 | 5.3 | 5.3 | 3.4 |
| Labs Included | 47 | 49 | 48 | 48 | 48 |
| Labs Reporting | 50 | 50 | 50 | 50 | 50 |

**NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**   Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84H2GF | 82.7 | -0.71 | 1.70 | 12.3 | 0.00 | 2.01 | 115.3 | 0.00 | 1.94 | 125.3 | -0.76 | 1.90 | 95.7 | -0.43 | 1.84 |
| DFEY7A | 112.2 | 0.91 | 0.33 | 15.7 | 0.99 | 0.79 | 151.8 | 1.81 | 0.62 | 159.2 | 1.45 | 0.73 | 108.8 | 0.87 | 0.63 |
| DUEXT8 | 95.6 | 0.00 | 0.08 | 10.0 | -0.69 | 0.12 | 109.1 | -0.31 | 0.10 | 131.1 | -0.38 | 0.02 | 95.9 | -0.41 | 0.08 |
| GDU8HA | 72.0 | -1.29 |  | 10.7 | -0.50 | 0.40 | 102.3 | -0.64 | 0.44 | 137.0 | 0.00 | 0.25 | 100.0 | 0.00 |  |
| MZQUN7 | 104.0 | 0.46 |  | 16.3 | 1.19 | 0.40 | 127.7 | 0.61 | 0.81 | 149.0 | 0.78 | 0.88 | 117.0 | 1.67 | 0.46 |

**NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**   Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 95.6 | 12.3 | 115.3 | 137.0 | 100.0 |
| **Median Abs Dev** | 12.9 | 2.3 | 12.3 | 11.7 | 4.3 |
| **Avg Within Lab SD** | 6.0 | 1.4 | 4.7 | 3.9 | 2.2 |
| **Labs Included** | 5 | 5 | 5 | 5 | 5 |
| **Labs Reporting** | 5 | 5 | 5 | 5 | 5 |

**NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups** | | | | | | | | | | | | | | **Data units: mg/kg**

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| CWMK4E | **118.3** | 1.06 | | **16.3** | 0.27 | | **136.9** | 0.53 | | **163.7** | 1.16 | | **116.4** | 0.61 | |
| JQCYVA | **132.3** | 0.94 | | **14.3** | 1.39 | | **159.0** | 1.31 | | **197.9** | 0.81 | | **143.8** | 1.27 | |

**NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups** | | | | | **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 125.3 | 15.3 | 148.0 | 180.8 | 130.1 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 2.9 | 0.6 | 4.3 | 4.1 | 3.8 |
| **Labs Included** | 2 | 2 | 2 | 2 | 2 |
| **Labs Reporting** | 2 | 2 | 2 | 2 | 2 |

**NO3-N Ion Chr. (SubTestCode 130) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| DUEXT8 | 96.7 | 1.00 | | 11.6 | 1.00 | | 123.6 | 1.00 | | 140.6 | 1.00 | | 105.5 | 1.00 | |

**NO3-N Ion Chr. (SubTestCode 130) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 96.7 | 11.6 | 123.6 | 140.6 | 105.5 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| **Labs Included** | 1 | 1 | 1 | 1 | 1 |
| **Labs Reporting** | 1 | 1 | 1 | 1 | 1 |

**NH4 - N  (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**    **Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3UUGAM | 9.90 | -0.55 | 0.15 | 4.69 | 0.28 | 0.09 | 8.77 | -0.42 | 0.10 | 29.65 | -0.96 | 0.62 | 2.89 | 0.02 | 0.33 |
| 3WWADT | 11.07 | 0.02 | 1.90 | 2.10 | -1.32 | 0.65 | 11.77 | 0.73 | 0.40 | 29.17 | -1.03 | 1.31 | 1.90 | -0.85 | 0.85 |
| 44YNNM | 10.47 | -0.27 | 0.91 | 4.79 | 0.35 | 0.14 | 15.01 | 1.97 | 1.57 | 40.64 | 0.62 | 0.76 | 3.22 | 0.30 | 0.18 |
| 6ATHQD | 9.91 | -0.55 | 3.06 | 6.64 | 1.49 | 1.81 | 11.07 | 0.46 | 0.60 | 36.70 | 0.05 | 1.53 | 4.17 | 1.14 | 0.55 |
| 7ZNKQG | 14.45 | 1.65 | 1.28 | 5.07 | 0.52 | 0.29 | 11.83 | 0.75 | 0.51 | 36.33 | 0.00 | 0.75 | 4.47 | 1.40 | 3.47 |
| 86VF6P | 10.93 | -0.05 | 0.10 | 4.27 | 0.02 | 0.06 | 9.69 | -0.07 | 0.14 | 35.77 | -0.08 | 0.21 | 2.65 | -0.19 | 0.04 |
| 8Q9F3N | 10.93 | -0.05 | 1.05 | 5.18 | 0.59 | 0.65 | 9.64 | -0.09 | 0.44 | 34.90 | -0.21 | 0.08 | 2.95 | 0.07 | 0.57 |
| DUEXT8 | 11.23 | 0.09 | 0.24 | 4.42 | 0.12 | 0.10 | 9.95 | 0.03 | 0.09 | 38.15 | 0.26 | 0.39 | 2.72 | -0.13 | 0.14 |
| EPDZY7 | 9.50 | -0.74 | 0.29 | 3.40 | -0.52 | 0.22 | 9.13 | -0.28 | 0.46 | 30.20 | -0.88 | 2.04 | 3.00 | 0.11 | 0.85 |
| F673ZB | 11.90 | 0.42 | 0.72 | 4.43 | 0.12 | 0.33 | 11.87 | 0.76 | 0.24 | 42.90 | 0.94 | 0.50 | 3.40 | 0.46 | 0.28 |
| FJLEZH | 1.45 | -4.64X | 0.09 | 4.85 | 0.39 | 0.18 | 12.67 | 1.07 | 0.24 | 4.29 | -4.58X | 0.01 | 3.31 | 0.39 | 0.28 |
| FPDBEA | 13.27 | 1.08 | 0.53 | 3.70 | -0.33 | 0.37 | 13.17 | 1.26 | 0.33 | 53.33 | 2.43 | 1.11 | 3.03 | 0.14 | 0.43 |
| FZPP8A | 11.07 | 0.02 | 1.12 | 3.49 | -0.46 | 0.58 | 9.52 | -0.13 | 0.98 | 37.00 | 0.10 | 2.04 | 2.44 | -0.38 | 0.43 |
| GRFTQA | 10.70 | -0.16 | 0.00 | 4.35 | 0.07 | 0.00 | 9.50 | -0.14 | | 33.40 | -0.42 | 0.00 | 2.87 | 0.00 | 0.00 |
| GZQVCB | 11.83 | 0.39 | 1.17 | 3.77 | -0.29 | 0.50 | 10.10 | 0.09 | 0.27 | 36.67 | 0.05 | 0.40 | 2.83 | -0.03 | 0.16 |
| H6FRD8 | 9.42 | -0.78 | 0.13 | 3.22 | -0.62 | 0.05 | 8.76 | -0.42 | 0.05 | 33.82 | -0.36 | 0.07 | 1.72 | -1.01 | 0.29 |
| HGXCX4 | 11.71 | 0.33 | 2.39 | 3.02 | -0.75 | 0.30 | 9.29 | -0.22 | 0.98 | 34.36 | -0.28 | 0.93 | 2.43 | -0.39 | 1.85 |
| HH9DJ3 | 15.57 | 2.20 | 1.16 | 7.62 | 2.10 | 0.70 | 16.07 | 2.37 | 1.90 | 46.92 | 1.51 | 1.51 | 6.84 | 3.47X | 0.54 |
| JBV4FD | 8.53 | -1.21 | 0.51 | 3.83 | -0.25 | 0.22 | 7.62 | -0.86 | 0.43 | 26.03 | -1.47 | 0.10 | 3.63 | 0.66 | 0.22 |
| JK7EW4 | 11.03 | 0.00 | 0.85 | 4.38 | 0.09 | 1.74 | 9.07 | -0.31 | 1.69 | 31.47 | -0.70 | 1.01 | 2.20 | -0.59 | 0.75 |
| LLQW29 | 10.02 | -0.49 | 0.16 | 3.55 | -0.42 | 0.09 | 8.77 | -0.42 | 0.36 | 34.67 | -0.24 | 0.79 | 2.60 | -0.24 | 0.30 |
| LRY7H4 | 11.07 | 0.02 | 0.25 | 6.30 | 1.28 | 0.99 | 9.87 | 0.00 | 0.48 | 30.87 | -0.78 | 0.29 | 5.07 | 1.92 | 0.43 |
| M6MR24 | 16.66 | 2.72 | 1.13 | 7.50 | 2.03 | 0.80 | 17.56 | 2.94 | 0.79 | 52.79 | 2.35 | 1.63 | 5.69 | 2.47 | 0.47 |
| P3TKWW | 9.30 | -0.84 | 0.00 | 3.93 | -0.18 | 0.12 | 8.50 | -0.52 | 0.27 | 30.23 | -0.87 | 0.53 | 2.50 | -0.32 | |
| PTLTHV | 11.23 | 0.10 | 0.53 | 3.77 | -0.29 | 0.33 | 9.47 | -0.15 | 0.33 | 34.70 | -0.23 | 0.36 | 2.70 | -0.15 | 0.28 |
| QBRP96 | 15.45 | 2.14 | | 8.06 | 2.38 | | 14.71 | 1.85 | | 46.18 | 1.41 | | 5.93 | 2.67 | |

**NH4 - N   (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**                     **Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| TCJDUX | 10.66 | -0.18 | 0.27 | 3.41 | -0.51 | 0.18 | 10.52 | 0.25 | 0.17 | 42.77 | 0.92 | 0.16 | 3.55 | 0.59 | 0.89 |
| W4XJ8Q | 11.55 | 0.25 | 0.08 | 3.49 | -0.46 | 0.23 | 10.13 | 0.10 | 0.39 | 40.05 | 0.53 | 0.43 | 2.59 | -0.24 | 0.65 |
| WC766T | 20.40 | 4.53X | 28.66 | 5.33 | 0.68 | 4.68 | 10.97 | 0.42 | 4.10 | 36.47 | 0.02 | 2.65 | 4.63 | 1.54 | 3.10 |
| XQLP3R | 28.29 | 8.35X | 0.55 | 5.29 | 0.65 | 0.55 | 13.63 | 1.44 | 0.47 | 37.48 | 0.16 | 0.20 | 1.76 | -0.97 | 0.14 |
| XR3PAN | 10.50 | -0.26 | 0.08 | 3.90 | -0.21 | 0.28 | 8.83 | -0.40 | 0.18 | 37.52 | 0.17 | 0.16 | 3.07 | 0.17 | 0.33 |
| XYHBJR | 11.39 | 0.17 | 0.18 | 3.07 | -0.72 | 0.25 | 6.69 | -1.22 | 0.18 | 28.72 | -1.09 | 0.41 | 2.54 | -0.29 | 0.67 |
| Y2X9YT | 4.54 | -3.14 | 0.17 | 0.35 | -2.41 | 0.00 | 2.19 | -2.94X | 0.48 | 28.58 | -1.11 | 0.91 | 0.35 | -2.20 | 0.00 |
| ZH6KBJ | 10.93 | -0.05 | 0.10 | 4.19 | -0.02 | 0.03 | 9.55 | -0.12 | 0.08 | 36.56 | 0.03 | 0.14 | 2.60 | -0.24 | 0.24 |

**NH4 - N   (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups**                     **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 11.0 | 4.23 | 9.87 | 36.3 | 2.87 |
| Median Abs Dev | 0.7 | 0.74 | 1.10 | 3.7 | 0.43 |
| Avg Within Lab SD | 0.6 | 0.46 | 0.63 | 1.2 | 0.35 |
| Labs Included | 31 | 34 | 33 | 33 | 33 |
| Labs Reporting | 34 | 34 | 34 | 34 | 34 |

**PO4-P  Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups**    **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 11.2 | 0.55 | 0.35 | 58.1 | 1.11 | 0.49 | 49.6 | 1.22 | 2.08 | 149.0 | 0.65 | 0.95 | 0.5 | -0.37 | 0.61 |
| 7NAFPM | 14.0 | 1.79 | 2.29 | 51.9 | 0.08 | 0.12 | 45.9 | 0.64 | 0.94 | 133.1 | -0.26 | 0.25 | 7.3 | 4.67 | 1.60 |
| 8Q9F3N | 9.1 | -0.44 | 1.39 | 51.7 | 0.04 | 2.44 | 37.3 | -0.71 | 1.71 | 131.7 | -0.34 | 2.59 | 0.2 | -0.61 | 0.39 |
| AG24CD | 10.0 | 0.01 | 0.27 | 50.1 | -0.22 | 0.50 | 44.7 | 0.45 | 0.65 | 141.2 | 0.20 | 0.19 | 1.0 | 0.00 | 0.14 |
| BVW8T9 | 7.4 | -1.17 | 0.13 | 57.1 | 0.95 | 1.22 | 47.2 | 0.85 | 1.15 | 149.3 | 0.67 | 0.33 | 1.0 | -0.02 | |
| DF9V4J | 62.3 | 23.72**X** | 2.65 | 89.7 | 6.37**X** | 1.52 | 205.3 | 25.60**X** | 0.82 | 255.0 | 6.71**X** | 1.93 | 152.7 | 113.12**X** | 33.31 |
| DUEXT8 | 13.5 | 1.56 | 0.87 | 71.5 | 3.34**X** | 0.40 | 49.5 | 1.21 | 0.69 | 177.6 | 2.28 | 0.48 | 2.0 | 0.75 | 0.64 |
| EN39TB | 10.3 | 0.14 | 1.32 | 53.3 | 0.32 | 0.35 | 40.7 | -0.18 | 0.41 | 139.7 | 0.11 | 1.20 | 1.0 | -0.02 | |
| EUTJ39 | 9.4 | -0.26 | 0.26 | 51.7 | 0.04 | 1.94 | 37.0 | -0.76 | 2.14 | 139.7 | 0.11 | 1.60 | 0.2 | -0.61 | 0.40 |
| FJLEZH | 7.8 | -1.01 | 0.87 | 59.4 | 1.34 | 0.63 | 43.7 | 0.29 | 0.50 | 238.1 | 5.74**X** | 1.31 | 9.2 | 6.08**X** | 0.36 |
| FPDBEA | 8.7 | -0.61 | 1.32 | 44.0 | -1.24 | 1.05 | 41.0 | -0.13 | 1.23 | 123.0 | -0.84 | 0.38 | 2.0 | 0.73 | |
| GDU8HA | 11.0 | 0.45 | | 50.0 | -0.24 | 0.60 | 42.7 | 0.13 | 0.41 | 127.7 | -0.57 | 0.13 | 5.0 | 2.97 | |
| GZQVCB | 8.7 | -0.61 | 1.32 | 48.0 | -0.57 | 0.60 | 41.7 | -0.03 | 0.41 | 151.3 | 0.78 | 0.25 | 1.3 | 0.23 | 2.31 |
| H6FRD8 | 8.0 | -0.93 | 0.18 | 35.5 | -2.66 | 0.03 | 30.8 | -1.73 | 1.61 | 99.0 | -2.21 | 0.25 | 0.7 | -0.27 | 0.05 |
| HH9DJ3 | 7.2 | -1.27 | 2.03 | 45.4 | -1.00 | 2.04 | 41.5 | -0.06 | 0.90 | 142.7 | 0.29 | 0.88 | 0.6 | -0.30 | 1.26 |
| JBV4FD | 9.0 | -0.47 | 0.17 | 52.3 | 0.14 | 0.70 | 32.9 | -1.40 | 0.09 | 41.7 | -5.49**X** | 0.10 | 0.4 | -0.45 | 0.22 |
| JK7EW4 | 11.4 | 0.61 | 1.38 | 54.8 | 0.57 | 1.89 | 45.2 | 0.53 | 1.77 | 158.7 | 1.20 | 3.09 | 1.2 | 0.11 | 0.83 |
| KHEFJ7 | 10.6 | 0.26 | 0.23 | 49.2 | -0.37 | 0.06 | 45.1 | 0.51 | 0.18 | 131.2 | -0.37 | 0.17 | 0.4 | -0.50 | 0.08 |
| KWX8YZ | 10.8 | 0.34 | 0.66 | 51.4 | 0.00 | 0.56 | 42.4 | 0.09 | 1.35 | 146.7 | 0.51 | 0.33 | 1.1 | 0.03 | 2.12 |
| MRHAQ4 | 10.3 | 0.14 | 0.74 | 50.9 | -0.09 | 0.70 | 45.4 | 0.55 | 0.35 | 138.1 | 0.02 | 0.56 | 1.0 | -0.02 | 0.18 |
| P3TKWW | 7.6 | -1.10 | 0.23 | 47.7 | -0.62 | 0.16 | 39.3 | -0.40 | 0.38 | 130.2 | -0.43 | 0.03 | 0.1 | -0.69 | 0.00 |
| TCJDUX | 12.8 | 1.27 | 0.29 | 59.5 | 1.34 | 0.30 | 52.3 | 1.63 | 0.59 | 172.5 | 1.99 | 1.40 | 2.0 | 0.69 | 0.22 |
| TFKQ8P | 10.0 | -0.01 | | 50.0 | -0.24 | 1.21 | 42.0 | 0.03 | 0.71 | 134.0 | -0.21 | 0.38 | 3.3 | 1.72 | 2.31 |
| TQJCHV | 8.2 | -0.82 | 0.07 | 50.8 | -0.11 | 0.17 | 34.7 | -1.12 | 0.49 | 131.9 | -0.33 | 0.26 | 1.7 | 0.52 | 0.14 |
| VCB32Y | 11.3 | 0.60 | 1.98 | 40.8 | -1.77 | 1.13 | 40.0 | -0.29 | 0.93 | 133.7 | -0.23 | 0.76 | 2.0 | 0.71 | 0.76 |
| W4XJ8Q | 7.6 | -1.10 | 0.40 | 40.6 | -1.81 | 0.26 | 30.3 | -1.81 | 0.36 | 107.1 | -1.75 | 0.08 | 1.7 | 0.48 | 0.23 |

**PO4-P   Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups**                    Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **XKUFTU** | 9.6 | -0.20 | 0.06 | 51.8 | 0.06 | 0.07 | 40.4 | -0.23 | 0.12 | 137.3 | -0.02 | 0.07 | | | |
| **XYHBJR** | 11.0 | 0.43 | 0.35 | 53.3 | 0.31 | 0.76 | 39.5 | -0.36 | 0.15 | 129.7 | -0.46 | 0.25 | 0.9 | -0.07 | 0.23 |
| **ZXH2CU** | 11.6 | 0.74 | 0.55 | 57.3 | 0.98 | 0.61 | 51.9 | 1.57 | 0.13 | 149.8 | 0.69 | 0.19 | 1.0 | 0.00 | 0.17 |

**PO4-P   Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups**                    Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 10.0 | 51.4 | 41.8 | 137.7 | 1.02 |
| **Median Abs Dev** | 1.3 | 2.2 | 3.3 | 7.7 | 0.63 |
| **Avg Within Lab SD** | 0.4 | 1.7 | 1.4 | 4.6 | 0.25 |
| **Labs Included** | 28 | 27 | 28 | 26 | 26 |
| **Labs Reporting** | 29 | 29 | 29 | 29 | 28 |

## PO4-P  Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 8.6 | 0.59 | 0.44 | 38.5 | -0.40 | 1.54 | 35.7 | 0.02 | 0.36 | 103.8 | 0.28 | 1.96 | 0.5 | -0.06 | |
| 7GNP4R | 49.7 | 15.72X | 4.66 | 28.5 | -1.63 | 1.08 | 48.2 | 1.89 | 3.01 | 34.3 | -2.26 | 1.12 | 31.6 | 11.05X | 6.38 |
| BBPT8N | 5.4 | -0.58 | 0.07 | 47.7 | 0.75 | 0.06 | 36.3 | 0.11 | 0.16 | 134.0 | 1.39 | 0.04 | 0.7 | 0.00 | 0.03 |
| K8FVRD | 8.3 | 0.48 | 0.33 | 40.3 | -0.17 | 0.56 | 34.6 | -0.15 | 0.06 | 92.2 | -0.14 | 0.30 | 0.3 | -0.14 | 0.00 |
| LRY7H4 | 9.5 | 0.91 | 0.39 | 51.4 | 1.20 | 0.31 | 29.7 | -0.87 | 0.30 | 106.0 | 0.36 | 0.24 | 0.8 | 0.06 | 0.09 |
| P3TKWW | 5.3 | -0.61 | 0.06 | 33.4 | -1.02 | 0.10 | 27.5 | -1.20 | 0.17 | 91.2 | -0.18 | 0.03 | 0.1 | -0.20 | 0.00 |
| QBRP96 | 7.0 | 0.00 | | 34.0 | -0.95 | | 25.0 | -1.58 | | 77.0 | -0.70 | | 2.0 | 0.47 | |
| QVFBR8 | 6.0 | -0.36 | 0.09 | 43.5 | 0.22 | 0.13 | 35.4 | -0.02 | 0.17 | 77.0 | -0.70 | 0.10 | 0.6 | -0.04 | 0.05 |
| QZVJF8 | 9.4 | 0.87 | | 69.8 | 3.47X | | 44.3 | 1.31 | | 239.0 | 5.22X | | 13.8 | 4.69 | |
| T3QB22 | 4.3 | -1.00 | 0.19 | 41.7 | 0.00 | 0.11 | 36.7 | 0.17 | 0.45 | 112.8 | 0.61 | 0.75 | 0.3 | -0.12 | 0.04 |
| WC766T | 11.0 | 1.47 | 2.91 | 48.6 | 0.86 | 2.42 | 35.9 | 0.05 | 0.49 | 118.0 | 0.80 | 1.88 | 4.5 | 1.37 | 2.80 |
| ZTKTVQ | 5.5 | -0.54 | 0.10 | 43.6 | 0.24 | 0.45 | 30.6 | -0.74 | 0.44 | 96.1 | 0.00 | 0.81 | 1.4 | 0.26 | 0.37 |

## PO4-P  Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 7.00 | 41.7 | 35.6 | 96.1 | 0.67 |
| Median Abs Dev | 1.60 | 6.0 | 3.0 | 16.7 | 0.39 |
| Avg Within Lab SD | 0.90 | 1.8 | 2.2 | 4.3 | 0.56 |
| Labs Included | 11 | 11 | 12 | 11 | 11 |
| Labs Reporting | 12 | 12 | 12 | 12 | 12 |

**PO4-P   Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups**              Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 2.3 | -0.60 | 0.77 | 11.6 | -1.98 | 0.38 | 10.2 | -2.49 | 0.23 | 30.5 | -1.94 | 0.27 | 4.5 | 0.23 | 0.54 |
| 2W2DFK | 2.7 | -0.42 | 0.48 | 16.2 | -0.91 | 1.25 | 17.2 | -0.72 | 0.60 | 47.8 | -0.48 | 0.64 | 2.5 | -1.15 | 0.32 |
| 3GXKWM | 2.9 | -0.32 | | 19.2 | -0.19 | | 15.6 | -1.11 | | 39.0 | -1.22 | | 3.2 | -0.65 | |
| 3U6BYV | 2.7 | -0.43 | 0.22 | 23.5 | 0.82 | 1.45 | 19.0 | -0.25 | 0.49 | 59.8 | 0.54 | 0.37 | 3.6 | -0.35 | 0.74 |
| 3WWADT | 5.0 | 0.70 | 0.42 | 22.0 | 0.47 | 0.55 | 28.1 | 2.04 | 2.94 | 71.8 | 1.56 | 0.49 | 4.1 | 0.00 | 0.32 |
| 6ATHQD | 2.8 | -0.37 | 0.16 | 20.3 | 0.08 | 0.54 | 18.3 | -0.42 | 0.45 | 52.3 | -0.09 | 0.63 | 3.4 | -0.53 | 0.60 |
| 6PQCHL | 2.3 | -0.62 | 0.32 | 20.8 | 0.20 | 0.73 | 18.3 | -0.42 | 0.66 | 51.2 | -0.18 | 0.52 | 3.2 | -0.67 | 0.12 |
| 7GNP4R | 28.9 | 12.31X | 2.54 | 20.8 | 0.20 | 0.70 | 28.3 | 2.11 | 1.93 | 23.0 | -2.58X | 0.74 | 22.0 | 12.38X | 2.80 |
| 7NAFPM | 3.3 | -0.14 | 0.29 | 17.3 | -0.65 | 0.62 | 21.6 | 0.41 | 0.27 | 51.0 | -0.20 | 0.58 | 4.2 | 0.02 | 1.10 |
| 7ZNKQG | 4.5 | 0.47 | 1.33 | 25.1 | 1.21 | 1.25 | 20.7 | 0.18 | 1.48 | 48.0 | -0.46 | 1.39 | 3.2 | -0.65 | 3.28 |
| 84H2GF | 6.0 | 1.18 | 4.78 | 20.7 | 0.16 | 3.30 | 23.7 | 0.93 | 1.62 | 57.0 | 0.31 | 3.50 | 7.0 | 1.98 | 2.06 |
| 8Q9F3N | 4.4 | 0.39 | 0.02 | 22.7 | 0.64 | 0.66 | 21.7 | 0.43 | 0.16 | 54.1 | 0.06 | 1.82 | 4.1 | -0.01 | 1.35 |
| 9D3RFD | 3.6 | 0.02 | 0.16 | 19.2 | -0.18 | 0.36 | 20.6 | 0.14 | 0.63 | 61.3 | 0.67 | 1.03 | 4.8 | 0.44 | 0.43 |
| BBPT8N | 2.8 | -0.36 | 0.06 | 23.1 | 0.73 | 0.40 | 21.3 | 0.32 | 0.26 | 71.4 | 1.53 | 0.37 | 3.3 | -0.60 | 0.27 |
| CWMK4E | 2.8 | -0.38 | 0.91 | 17.8 | -0.52 | 0.14 | 19.9 | -0.02 | 0.38 | 49.4 | -0.34 | 0.58 | 4.3 | 0.10 | 0.57 |
| DFEY7A | 5.1 | 0.76 | 0.49 | 24.9 | 1.16 | 0.19 | 23.9 | 0.99 | 0.24 | 64.7 | 0.96 | 0.14 | 6.4 | 1.59 | 0.24 |
| EN39TB | 3.0 | -0.28 | | 13.7 | -1.50 | 0.54 | 20.3 | 0.08 | 0.90 | 46.3 | -0.60 | 0.24 | 3.0 | -0.78 | |
| FPDBEA | 5.7 | 1.02 | 0.92 | 17.7 | -0.55 | 0.54 | 22.3 | 0.59 | 0.45 | 59.3 | 0.50 | 0.63 | 4.7 | 0.37 | 1.19 |
| GDU8HA | 5.0 | 0.70 | | 16.0 | -0.95 | | 20.7 | 0.17 | 0.45 | 50.0 | -0.29 | | 4.0 | -0.09 | |
| GZQVCB | 4.0 | 0.21 | | 19.7 | -0.08 | 0.54 | 22.3 | 0.59 | 0.90 | 58.3 | 0.42 | 0.63 | 5.3 | 0.83 | 1.19 |
| H6FRD8 | 2.9 | -0.35 | 0.07 | 17.4 | -0.61 | 0.10 | 16.5 | -0.88 | 0.19 | 48.0 | -0.46 | 0.63 | 5.2 | 0.74 | 0.73 |
| HGXCX4 | 6.6 | 1.48 | 0.87 | 20.5 | 0.13 | 0.32 | 19.2 | -0.22 | 1.10 | 49.9 | -0.30 | 1.33 | 5.3 | 0.82 | 1.26 |
| HH9DJ3 | 5.5 | 0.94 | 0.19 | 14.9 | -1.21 | 1.59 | 17.2 | -0.70 | 1.32 | 48.2 | -0.44 | 1.47 | 4.9 | 0.54 | 0.57 |
| JBV4FD | 2.3 | -0.62 | 0.08 | 21.1 | 0.27 | 0.52 | 16.2 | -0.96 | 0.24 | 61.3 | 0.67 | 0.37 | 3.2 | -0.63 | 0.05 |
| JK7EW4 | 3.6 | -0.01 | 0.38 | 15.2 | -1.12 | 0.82 | 17.8 | -0.57 | 0.57 | 41.7 | -0.99 | 0.45 | 4.2 | 0.05 | 0.48 |
| JQCYVA | 3.6 | 0.00 | 1.07 | 20.4 | 0.10 | 1.10 | 15.7 | -1.09 | 0.46 | 45.8 | -0.65 | 0.68 | 4.4 | 0.18 | 0.58 |

**PO4-P   Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JXALTZ | 3.0 | -0.28 | | 19.7 | -0.08 | 0.54 | 18.0 | -0.51 | | 52.7 | -0.06 | 0.24 | 4.0 | -0.09 | |
| K8FVRD | 3.9 | 0.14 | 0.79 | 26.2 | 1.46 | 0.43 | 23.0 | 0.77 | 0.19 | 78.6 | 2.14 | 0.11 | 4.3 | 0.10 | 0.32 |
| LRY7H4 | 9.2 | 2.75 | 1.60 | 17.6 | -0.58 | 0.38 | 12.4 | -1.91 | 0.43 | 42.2 | -0.95 | 0.13 | 1.3 | -1.98 | 0.32 |
| M6MR24 | 5.0 | 0.70 | | 25.3 | 1.26 | 1.43 | 21.7 | 0.42 | 0.45 | 63.0 | 0.81 | 0.82 | 5.0 | 0.60 | |
| MM3234 | 8.8 | 2.56 | 0.33 | 25.3 | 1.26 | 0.54 | 23.7 | 0.93 | 0.45 | 63.3 | 0.84 | 1.32 | 10.6 | 4.48X | 1.43 |
| P3TKWW | 2.9 | -0.31 | 0.40 | 18.2 | -0.43 | 0.56 | 19.7 | -0.08 | 0.40 | 60.3 | 0.59 | 1.06 | 3.4 | -0.53 | 0.24 |
| PTLTHV | 4.0 | 0.21 | | 20.0 | 0.00 | | 19.0 | -0.25 | | 50.3 | -0.26 | 0.24 | 5.0 | 0.60 | |
| QVFBR8 | 2.8 | -0.36 | 0.15 | 22.0 | 0.46 | 0.41 | 19.3 | -0.17 | 0.40 | 64.3 | 0.92 | 0.49 | 4.0 | -0.07 | 0.38 |
| T3QB22 | 2.7 | -0.45 | 0.13 | 22.2 | 0.52 | 0.24 | 18.4 | -0.41 | 0.73 | 60.1 | 0.57 | 0.63 | 3.6 | -0.39 | 0.09 |
| TCJDUX | 8.0 | 2.14 | 0.33 | 24.8 | 1.14 | 0.67 | 28.9 | 2.24 | 0.28 | 68.8 | 1.31 | 0.16 | 7.7 | 2.43 | 0.10 |
| TFKQ8P | 9.3 | 2.80 | 0.92 | 18.7 | -0.32 | 0.54 | 19.7 | -0.09 | 0.45 | 60.4 | 0.59 | 0.23 | 5.0 | 0.60 | |
| TQJCHV | 3.4 | -0.09 | 0.15 | 17.1 | -0.68 | 0.22 | 14.3 | -1.43 | 0.62 | 41.3 | -1.03 | 0.23 | 3.0 | -0.76 | 0.12 |
| U7QMX2 | 5.6 | 0.97 | 0.16 | 24.0 | 0.95 | 0.39 | 22.1 | 0.52 | 0.29 | 57.6 | 0.36 | 0.55 | 5.8 | 1.18 | 0.50 |
| W4XJ8Q | 11.2 | 3.73X | 0.33 | 15.1 | -1.17 | 0.42 | 20.0 | 0.01 | 0.18 | 56.1 | 0.23 | 0.36 | 3.1 | -0.72 | 0.00 |
| W69CWY | 1.6 | -0.98 | 0.08 | 19.5 | -0.12 | 0.11 | 17.2 | -0.70 | 0.48 | 48.8 | -0.39 | 0.21 | 2.7 | -0.96 | 0.21 |
| WC766T | 5.3 | 0.86 | 0.92 | 20.7 | 0.16 | 2.36 | 21.0 | 0.25 | 2.05 | 46.7 | -0.57 | 2.02 | 7.0 | 1.98 | 2.06 |
| XQLP3R | 3.3 | -0.13 | 0.03 | 24.6 | 1.08 | 0.08 | 21.0 | 0.24 | 0.19 | 69.1 | 1.33 | 0.25 | 3.7 | -0.32 | 0.10 |
| XYHBJR | 3.4 | -0.07 | 0.30 | 17.5 | -0.59 | 0.43 | 22.3 | 0.59 | 0.20 | 54.7 | 0.11 | 0.45 | 3.2 | -0.65 | 0.17 |
| YTNTHL | 4.5 | 0.45 | 0.82 | 13.6 | -1.52 | 2.62 | 20.0 | 0.00 | 3.23 | 44.7 | -0.74 | 2.41 | 5.6 | 1.02 | 2.25 |

**PO4-P   Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups**  **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 3.57 | 20.0 | 20.0 | 53.4 | 4.13 |
| Median Abs Dev | 0.87 | 2.5 | 2.0 | 6.7 | 0.87 |
| Avg Within Lab SD | 0.63 | 1.1 | 1.3 | 2.4 | 0.48 |
| Labs Included | 43 | 45 | 45 | 44 | 43 |
| Labs Reporting | 45 | 45 | 45 | 45 | 45 |

**PO4-P   M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups**  |  **Data units: mg/kg**

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| **9D72ND** | **1.0** | | | **14.3** | | 1.41 | **4.3** | | 1.24 | **93.3** | | 1.14 | **20.0** | | 1.39 |
| **WC766T** | **0.1** | | 1.00 | **9.2** | | 0.08 | **3.9** | | 0.69 | **54.3** | | 0.83 | **13.3** | | 0.28 |

**PO4-P   M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups**  |  **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 0.55 | 11.8 | 4.13 | 73.8 | 16.7 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.00 | 2.5 | 0.47 | 1.8 | 1.9 |
| **Labs Included** | 2 | 2 | 2 | 2 | 2 |
| **Labs Reporting** | 2 | 2 | 2 | 2 | 2 |

**PO4-P   Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups**          Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6ATHQD | 5.8 | 1.06 | | 42.7 | 0.94 | | 30.3 | 0.52 | | 110.0 | 1.24 | | 4.4 | 0.38 | |
| 6PQCHL | 5.1 | 0.94 | | 36.9 | 1.06 | | 30.7 | 1.32 | | 93.4 | 0.68 | | 4.4 | 1.36 | |

**PO4-P   Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups**          Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 5.43 | 39.8 | 30.5 | 101.7 | 4.43 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.38 | 1.2 | 1.1 | 8.1 | 0.40 |
| **Labs Included** | 2 | 2 | 2 | 2 | 2 |
| **Labs Reporting** | 2 | 2 | 2 | 2 | 2 |

**PO4-P  Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 13.4 | 0.30 | 0.59 | 86.3 | 0.88 | 1.20 | 57.4 | 1.45 | 0.93 | 275.0 | 0.66 | 0.22 | 15.1 | -0.67 | 0.26 |
| 7NAFPM | 19.2 | 1.40 | 0.46 | 81.4 | 0.56 | 0.82 | 47.9 | 0.08 | 0.30 | 234.6 | -0.14 | 0.20 | 23.2 | 0.48 | 1.01 |
| GZQVCB | 10.7 | -0.22 | 0.68 | 60.3 | -0.84 | 0.34 | 45.7 | -0.24 | 0.19 | 193.0 | -0.96 | 0.08 | 2.0 | -2.52X | |
| HH9DJ3 | 6.7 | -0.97 | 1.62 | 67.2 | -0.39 | 0.82 | 41.1 | -0.89 | 1.39 | 228.3 | -0.26 | 1.54 | 22.0 | 0.30 | 1.39 |
| JK7EW4 | 14.7 | 0.55 | 1.49 | 94.3 | 1.41 | 2.40 | 56.5 | 1.31 | 2.25 | 296.3 | 1.09 | 2.45 | 20.3 | 0.06 | 2.18 |
| P3TKWW | 6.9 | -0.93 | 0.07 | 74.1 | 0.07 | 0.22 | 45.1 | -0.32 | 0.60 | 282.0 | 0.80 | 0.39 | 24.3 | 0.63 | 0.22 |
| QBRP96 | 6.0 | -1.11 | | 45.0 | -1.85 | | 28.0 | -2.77X | | 148.0 | -1.85 | | 9.0 | -1.53 | |
| TFKQ8P | 13.0 | 0.22 | 1.18 | 72.0 | -0.07 | 0.22 | 47.3 | 0.00 | 0.76 | 262.3 | 0.41 | 0.07 | 10.3 | -1.34 | 0.23 |
| W4XJ8Q | 9.1 | -0.51 | 0.14 | 70.2 | -0.19 | 0.04 | 39.7 | -1.09 | 0.08 | 219.9 | -0.43 | 0.26 | 12.3 | -1.06 | 0.21 |
| XYHBJR | 14.6 | 0.53 | 1.31 | 80.6 | 0.50 | 0.46 | 52.1 | 0.69 | 0.27 | 248.3 | 0.14 | 0.54 | 19.8 | 0.00 | 0.29 |

**PO4-P  Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 11.8 | 73.0 | 47.3 | 241.5 | 19.8 |
| Median Abs Dev | 2.9 | 8.0 | 4.8 | 27.6 | 4.4 |
| Avg Within Lab SD | 0.8 | 4.4 | 3.0 | 20.6 | 2.5 |
| Labs Included | 10 | 10 | 9 | 10 | 9 |
| Labs Reporting | 10 | 10 | 10 | 10 | 10 |

## SO4 - S  (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 10.33 | -0.13 | 0.34 | 3.33 | -0.91 | 0.81 | 19.67 | 0.00 | 0.78 | 34.00 | 0.02 | 0.58 | 11.00 | -0.24 | 1.40 |
| 3U6BYV | 11.03 | -0.03 | 0.12 | 16.13 | 2.36 | 3.30 | 21.77 | 0.39 | 2.65 | 32.23 | -0.11 | 1.93 | 19.75 | 1.47 | 2.06 |
| 44YNNM | 15.64 | 0.63 | 0.28 | 9.79 | 0.73 | 1.58 | 27.40 | 1.44 | 0.69 | 44.85 | 0.79 | 0.40 | 28.77 | 3.22 | 1.03 |
| 6ATHQD | 3.27 | -1.13 | 0.09 | 6.33 | -0.15 | 0.29 | 17.00 | -0.50 | | 34.00 | 0.02 | | 11.33 | -0.17 | 0.47 |
| 6PQCH2 | 3.20 | -1.14 | | 6.60 | -0.08 | 0.51 | 17.30 | -0.44 | 0.47 | 35.07 | 0.09 | 1.25 | 12.60 | 0.07 | 0.40 |
| 6PQCHL | | | | 6.27 | -0.16 | 0.70 | 16.47 | -0.59 | 0.45 | 33.53 | -0.02 | 0.44 | 12.00 | -0.04 | 0.08 |
| 7NAFPM | 2.91 | -1.19 | 0.05 | 4.80 | -0.54 | 0.09 | 18.90 | -0.14 | 0.37 | 33.09 | -0.05 | 0.85 | 10.78 | -0.28 | 0.28 |
| DUEXT8 | 2.86 | -1.19 | 0.05 | 5.65 | -0.32 | 0.18 | 18.51 | -0.22 | 0.25 | 32.38 | -0.10 | 0.59 | 10.73 | -0.29 | 0.32 |
| EN39TB | 20.68 | 1.35 | 0.70 | 11.80 | 1.25 | 0.31 | 29.90 | 1.90 | 0.37 | 74.71 | 2.93 | 0.97 | 12.22 | 0.00 | 0.47 |
| EPDZY7 | 14.00 | 0.39 | | 6.33 | -0.15 | 0.29 | 20.33 | 0.12 | 0.19 | 32.60 | -0.08 | 0.06 | 12.00 | -0.04 | |
| FJLEZH | 11.43 | 0.03 | 0.09 | 6.43 | -0.12 | 0.11 | 18.30 | -0.25 | 0.36 | 15.43 | -1.31 | 0.53 | 1.07 | -2.17 | 0.05 |
| FPDBEA | 7.67 | -0.51 | 0.34 | 8.00 | 0.28 | | 21.00 | 0.25 | 0.67 | 58.67 | 1.78 | 1.88 | 11.00 | -0.24 | |
| GDU8HA | 18.33 | 1.01 | 0.34 | 8.00 | 0.28 | | 37.67 | 3.34X | 1.40 | 70.00 | 2.59 | 0.58 | 13.00 | 0.15 | 0.81 |
| HGXCX4 | 14.62 | 0.48 | 0.05 | 8.53 | 0.41 | 0.03 | 17.27 | -0.44 | 0.06 | 26.65 | -0.51 | 0.07 | 12.45 | 0.04 | 0.22 |
| JK7EW4 | 14.67 | 0.49 | 0.67 | 7.00 | 0.02 | 1.41 | 20.67 | 0.19 | 0.39 | 28.33 | -0.39 | 0.34 | 14.33 | 0.41 | 1.23 |
| QZVJF8 | 21.20 | 1.42 | 0.92 | 16.23 | 2.38 | 0.53 | 33.40 | 2.55 | 0.41 | 61.43 | 1.98 | 2.25 | 70.90 | 11.43X | 0.89 |
| TFKQ8P | 5.11 | -0.87 | 0.40 | 6.82 | -0.02 | 0.57 | 24.55 | 0.91 | 1.91 | 36.36 | 0.19 | 1.26 | 14.58 | 0.46 | 0.81 |
| VCB32Y | 8.40 | -0.40 | 0.18 | 9.40 | 0.64 | 0.28 | 16.20 | -0.64 | 0.84 | 25.90 | -0.56 | 1.18 | 10.43 | -0.35 | 0.28 |
| W4XJ8Q | 9.77 | -0.21 | 0.03 | 3.47 | -0.88 | 0.16 | 18.00 | -0.31 | 0.12 | 25.77 | -0.57 | 0.09 | 9.43 | -0.54 | 0.17 |
| WC766T | 20.33 | 1.30 | 1.47 | 13.67 | 1.73 | 0.81 | 28.00 | 1.55 | 2.43 | 38.67 | 0.35 | 1.21 | 20.67 | 1.64 | 0.93 |
| XR3PAN | 13.83 | 0.37 | 0.17 | 4.83 | -0.53 | 0.41 | 21.67 | 0.37 | 0.19 | 35.50 | 0.12 | 0.29 | 11.50 | -0.14 | |
| XYHBJR | 11.23 | 0.00 | 0.06 | 8.07 | 0.30 | 0.24 | 19.00 | -0.12 | 0.29 | 28.42 | -0.38 | 0.07 | 17.66 | 1.06 | 0.15 |
| YTNTHL | 9.55 | -0.24 | 0.56 | 4.75 | -0.55 | 0.86 | 14.98 | -0.87 | 0.66 | 26.96 | -0.49 | 0.54 | 18.47 | 1.22 | 0.98 |
| ZTKTVQ | 18.20 | 0.99 | 4.01 | 12.36 | 1.39 | 1.59 | 26.75 | 1.32 | 1.19 | 44.62 | 0.78 | 0.90 | 18.64 | 1.25 | 2.67 |

**SO4 - S  (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups**    Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 11.2 | 6.91 | 19.7 | 33.8 | 12.2 |
| Median Abs Dev | 3.6 | 1.85 | 2.4 | 5.4 | 1.5 |
| Avg Within Lab SD | 1.7 | 0.71 | 1.5 | 1.7 | 1.2 |
| Labs Included | 23 | 24 | 23 | 24 | 23 |
| Labs Reporting | 23 | 24 | 24 | 24 | 24 |

**K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups**      Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 75.0 | -0.31 | 1.15 | 101.0 | -0.83 | 1.89 | 269.7 | 1.29 | 1.80 | 308.0 | -0.41 | 2.03 | 209.7 | 0.36 | 1.28 |
| 2W2DFK | 73.7 | -0.45 | 0.18 | 121.0 | 0.23 | 0.24 | 220.3 | -0.24 | 0.34 | 315.0 | -0.12 | 0.08 | 204.7 | 0.00 | 0.22 |
| 3GXKWM | 78.0 | 0.00 | | 118.0 | 0.07 | | 214.0 | -0.43 | | 324.0 | 0.24 | | 203.0 | -0.12 | |
| 3U6BYV | 91.5 | 1.40 | 0.16 | 137.5 | 1.10 | 0.32 | 229.4 | 0.04 | 1.77 | 404.1 | 3.50X | 4.05 | 247.6 | 3.11 | 0.91 |
| 3WWADT | 80.7 | 0.28 | 3.93 | 105.0 | -0.62 | 2.11 | 258.7 | 0.95 | 1.43 | 318.0 | 0.00 | 0.93 | 213.3 | 0.63 | 3.10 |
| 6ATHQD | 79.3 | 0.14 | 2.17 | 133.3 | 0.88 | 1.40 | 216.7 | -0.35 | 0.61 | 320.0 | 0.08 | 1.58 | 196.7 | -0.58 | 0.85 |
| 6PQCHL | | | | 240.0 | 6.54X | | 213.3 | -0.45 | 1.22 | 330.0 | 0.49 | 2.08 | 220.0 | 1.11 | 2.08 |
| 7GNP4R | 334.6 | 26.71X | 12.45 | 125.2 | 0.45 | 2.44 | 89.0 | -4.31X | 1.57 | 133.8 | -7.49X | 0.37 | 218.8 | 1.02 | 0.16 |
| 7NAFPM | 73.2 | -0.50 | 1.45 | 99.2 | -0.93 | 1.14 | 259.6 | 0.98 | 0.68 | 321.0 | 0.12 | 1.02 | 196.1 | -0.62 | 0.36 |
| 7ZNKQG | 71.0 | -0.72 | 0.23 | 117.7 | 0.05 | 0.28 | 205.7 | -0.69 | 0.16 | 304.3 | -0.56 | 0.28 | 198.3 | -0.46 | 0.85 |
| 84H2GF | 31.3 | -4.86X | 2.89 | 77.7 | -2.07 | 0.85 | 156.7 | -2.21 | 0.32 | 266.3 | -2.10 | 1.15 | 143.3 | -4.45X | 1.45 |
| 86VF6P | 74.2 | -0.40 | 0.21 | 120.7 | 0.21 | 0.14 | 213.3 | -0.45 | 0.78 | 307.3 | -0.43 | 0.12 | 197.0 | -0.56 | 0.15 |
| 8Q9F3N | 88.4 | 1.08 | 0.69 | 134.7 | 0.95 | 0.78 | 242.0 | 0.43 | 0.46 | 325.7 | 0.31 | 0.33 | 209.7 | 0.36 | 0.37 |
| 9D3RFD | 107.0 | 3.02 | 0.53 | 131.8 | 0.80 | 1.14 | 254.3 | 0.82 | 0.39 | 328.6 | 0.43 | 0.71 | 229.1 | 1.77 | 0.39 |
| AG24CD | 82.5 | 0.47 | 0.85 | 109.5 | -0.38 | 0.29 | 251.9 | 0.74 | 0.45 | 355.5 | 1.53 | 0.97 | 212.4 | 0.56 | 1.08 |
| BBPT8N | 83.4 | 0.56 | 0.00 | 126.6 | 0.53 | 0.00 | 116.6 | -3.45X | 0.00 | 327.6 | 0.39 | 0.23 | 206.3 | 0.12 | 0.43 |
| CABJUG | 98.0 | 2.08 | 0.92 | 123.0 | 0.33 | 1.13 | 225.6 | -0.07 | 0.45 | 323.1 | 0.21 | 0.71 | 204.1 | -0.04 | 0.93 |
| CWMK4E | 72.1 | -0.62 | 0.38 | 115.0 | -0.09 | 0.09 | 204.7 | -0.72 | 0.38 | 301.3 | -0.68 | 0.25 | 190.4 | -1.04 | 0.42 |
| DF9V4J | 78.0 | 0.00 | 0.41 | 97.5 | -1.02 | 0.29 | 244.8 | 0.52 | 0.58 | 294.5 | -0.96 | 0.24 | 201.0 | -0.27 | 0.36 |
| DFEY7A | 69.7 | -0.87 | 0.97 | 115.7 | -0.05 | 0.37 | 185.0 | -1.33 | 0.21 | 321.0 | 0.12 | 0.75 | 213.7 | 0.65 | 0.34 |
| DUEXT8 | 74.7 | -0.35 | 0.37 | 121.0 | 0.23 | | 210.7 | -0.54 | 0.37 | 324.0 | 0.24 | 0.36 | 204.3 | -0.02 | 1.03 |
| EN39TB | 72.0 | -0.62 | 1.39 | 106.7 | -0.53 | 0.92 | 242.3 | 0.44 | 0.31 | 314.7 | -0.14 | 0.36 | 199.0 | -0.41 | 0.25 |
| EUTJ39 | 81.3 | 0.35 | 0.18 | 103.3 | -0.71 | 1.33 | 253.0 | 0.77 | 0.83 | 326.0 | 0.33 | 1.30 | 205.3 | 0.05 | 0.83 |
| FPDBEA | 73.7 | -0.45 | 1.12 | 97.0 | -1.04 | 0.24 | 256.0 | 0.87 | 0.56 | 312.7 | -0.22 | 0.46 | 200.0 | -0.34 | 0.29 |
| GDU8HA | 76.3 | -0.17 | 0.66 | 98.3 | -0.97 | 0.50 | 252.7 | 0.76 | 0.16 | 324.3 | 0.26 | 0.16 | 213.0 | 0.60 | 0.39 |
| GZQVCB | 79.5 | 0.15 | 0.42 | 101.5 | -0.80 | 0.51 | 260.9 | 1.02 | 0.13 | 345.9 | 1.14 | 0.22 | 211.7 | 0.51 | 0.27 |

**K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups**      **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGXCX4 | 89.2 | 1.17 | 0.40 | 124.2 | 0.40 | 0.16 | 203.8 | -0.75 | 0.63 | 277.0 | -1.67 | 0.07 | 195.5 | -0.67 | 0.35 |
| HH9DJ3 | 97.8 | 2.06 | 2.19 | 126.4 | 0.52 | 2.70 | 275.8 | 1.48 | 3.56 | 376.4 | 2.37 | 2.88 | 237.4 | 2.37 | 0.63 |
| JK7EW4 | 98.7 | 2.15 | 1.57 | 105.7 | -0.58 | 1.85 | 258.7 | 0.95 | 1.31 | 312.7 | -0.22 | 0.54 | 211.7 | 0.51 | 0.88 |
| JQCYVA | 89.8 | 1.22 | 1.14 | 138.2 | 1.14 | 0.98 | 223.3 | -0.14 | 1.22 | 351.4 | 1.36 | 1.24 | 226.3 | 1.57 | 1.17 |
| JXALTZ | 77.3 | -0.07 | 0.18 | 124.3 | 0.41 | 0.28 | 208.7 | -0.60 | 0.06 | 307.3 | -0.43 | 0.20 | 197.3 | -0.53 | 0.08 |
| K8FVRD | 82.3 | 0.45 | 0.12 | 130.7 | 0.74 | 0.12 | 214.1 | -0.43 | 0.09 | 324.7 | 0.27 | 0.28 | 205.4 | 0.05 | 0.16 |
| KHEFJ7 | 75.5 | -0.26 | 0.05 | 95.6 | -1.12 | 0.10 | 249.3 | 0.66 | 0.16 | 305.3 | -0.51 | 0.09 | 195.0 | -0.70 | 0.15 |
| LRY7H4 | 74.7 | -0.34 | 0.34 | 123.3 | 0.35 | 0.11 | 226.7 | -0.04 | 0.27 | 304.3 | -0.56 | 0.25 | 206.0 | 0.10 | 0.39 |
| M6MR24 | 74.6 | -0.36 | 0.40 | 134.5 | 0.95 | 0.32 | 192.6 | -1.10 | 3.37 | 292.1 | -1.05 | 3.35 | 296.1 | 6.63**X** | 1.59 |
| MM3234 | 71.0 | -0.73 | 0.32 | 121.3 | 0.25 | 0.56 | 229.3 | 0.04 | 0.96 | 329.7 | 0.47 | 1.32 | 208.3 | 0.27 | 1.12 |
| MRHAQ4 | 79.2 | 0.13 | 0.35 | 105.3 | -0.60 | 0.12 | 250.2 | 0.69 | 0.28 | 339.8 | 0.88 | 0.28 | 204.8 | 0.01 | 1.20 |
| QBRP96 | 61.5 | -1.72 | | 102.9 | -0.73 | | 168.5 | -1.85 | | 261.1 | -2.31 | | 196.2 | -0.61 | |
| QVFBR8 | 73.9 | -0.43 | 0.19 | 129.8 | 0.70 | 0.09 | 234.7 | 0.21 | 0.19 | 337.3 | 0.78 | 0.04 | 219.5 | 1.07 | 0.33 |
| R4PY67 | 31.4 | -4.85**X** | | 10.6 | -5.62**X** | | 25.4 | -6.28**X** | | 40.5 | -11.28**X** | | 19.3 | -13.43**X** | |
| TFKQ8P | 73.7 | -0.45 | 0.49 | 105.7 | -0.58 | 1.09 | 263.3 | 1.10 | 0.99 | 308.7 | -0.38 | 0.84 | 216.0 | 0.82 | 0.39 |
| TQJCHV | 78.1 | 0.01 | 0.53 | 119.0 | 0.12 | 0.15 | 203.0 | -0.78 | 0.19 | 314.4 | -0.15 | 0.03 | 199.3 | -0.39 | 0.92 |
| VCB32Y | 73.3 | -0.49 | 0.66 | 92.7 | -1.27 | 0.61 | 228.0 | 0.00 | 0.53 | 281.0 | -1.50 | 0.24 | 172.3 | -2.34 | 0.31 |
| W4XJ8Q | 84.7 | 0.69 | 0.37 | 97.0 | -1.04 | 0.84 | 261.7 | 1.04 | 0.22 | 335.7 | 0.72 | 0.12 | 201.7 | -0.22 | 0.61 |
| W69CWY | 130.0 | 5.41**X** | 0.44 | 154.2 | 1.99 | 0.77 | 223.4 | -0.14 | 0.32 | 311.3 | -0.27 | 0.35 | 199.6 | -0.37 | 0.40 |
| WC766T | 84.0 | 0.62 | 0.55 | 125.3 | 0.46 | 0.98 | 222.7 | -0.17 | 1.14 | 310.0 | -0.33 | 1.19 | 193.7 | -0.80 | 1.18 |
| XKUFTU | 76.2 | -0.19 | 0.07 | 101.3 | -0.82 | 0.09 | 255.5 | 0.85 | 0.05 | 337.6 | 0.80 | 0.03 | 209.5 | 0.35 | 0.07 |
| XQLP3R | 69.7 | -0.86 | 0.28 | 109.0 | -0.41 | 0.24 | 198.7 | -0.91 | 0.27 | 281.7 | -1.48 | 0.18 | 181.7 | -1.67 | 0.45 |
| XYHBJR | 80.9 | 0.31 | 0.46 | 113.0 | -0.19 | 0.87 | 233.0 | 0.15 | 0.11 | 312.7 | -0.22 | 0.24 | 204.3 | -0.02 | 0.17 |
| YTNTHL | 72.1 | -0.61 | 1.31 | 89.7 | -1.43 | 1.70 | 224.5 | -0.11 | 0.93 | 287.5 | -1.24 | 0.93 | 184.6 | -1.45 | 1.83 |
| ZTKTVQ | 81.6 | 0.37 | 0.32 | 127.2 | 0.56 | 1.41 | 209.6 | -0.57 | 0.43 | 335.7 | 0.72 | 0.99 | 210.9 | 0.45 | 3.29 |
| ZXH2CU | 88.0 | 1.04 | 0.99 | 107.6 | -0.48 | 0.48 | 264.9 | 1.14 | 0.36 | 339.1 | 0.86 | 0.16 | 199.1 | -0.40 | 0.88 |

**K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 78.0 | 116.7 | 228.0 | 318.0 | 204.7 |
| Median Abs Dev | 4.3 | 11.2 | 22.2 | 10.7 | 7.0 |
| Avg Within Lab SD | 3.1 | 4.1 | 9.4 | 12.7 | 6.8 |
| Labs Included | 47 | 50 | 49 | 49 | 49 |
| Labs Reporting | 51 | 52 | 52 | 52 | 52 |

**Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups**                    **Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 414.3 | -0.51 | 1.51 | 1,011.7 | -0.62 | 2.06 | 778.0 | 0.73 | 1.47 | 2,419.7 | 0.16 | 2.96 | 4,656.3 | 0.60 | 1.94 |
| 2W2DFK | 391.0 | -0.86 | 0.53 | 1,090.7 | -0.14 | 0.51 | 630.3 | -0.45 | 0.38 | 2,176.3 | -0.91 | 0.12 | 2,288.0 | -1.70 | 0.21 |
| 3U6BYV | 385.6 | -0.94 | 0.90 | 1,000.3 | -0.69 | 0.05 | 565.2 | -0.97 | 0.90 | 2,305.7 | -0.34 | 0.43 | 4,116.5 | 0.08 | 0.81 |
| 3WWADT | 529.3 | 1.18 | 2.81 | 1,115.0 | 0.01 | 2.84 | 833.3 | 1.18 | 1.30 | 2,407.0 | 0.11 | 1.68 | 4,161.0 | 0.12 | 0.46 |
| 6ATHQD | 456.7 | 0.11 | 1.51 | 1,300.0 | 1.15 | 2.24 | 650.0 | -0.29 | 0.71 | 2,400.0 | 0.08 | 1.84 | 4,100.0 | 0.06 | 1.24 |
| 6PQCHL | 423.3 | -0.38 | 0.29 | 1,293.3 | 1.11 | 0.34 | 606.7 | -0.64 | 0.54 | 2,770.0 | 1.70 | 1.11 | 5,653.3 | 1.58 | 1.74 |
| 7GNP4R | 1,099.2 | 9.59**X** | 0.25 | 1,460.9 | 2.14 | 0.87 | 1,090.3 | 3.23**X** | 4.86 | 1,503.5 | -3.86**X** | 1.37 | 1,641.2 | -2.33 | 0.63 |
| 7NAFPM | 461.9 | 0.19 | 0.52 | 976.4 | -0.84 | 0.87 | 759.2 | 0.58 | 0.60 | 2,395.0 | 0.06 | 1.04 | 4,409.6 | 0.36 | 0.12 |
| 7ZNKQG | 439.3 | -0.14 | 1.16 | 1,230.0 | 0.72 | 0.45 | 628.7 | -0.46 | 0.21 | 2,466.7 | 0.37 | 0.43 | 4,383.3 | 0.34 | 3.70 |
| 84H2GF | 409.7 | -0.58 | 0.59 | 1,165.7 | 0.32 | 1.07 | 616.3 | -0.56 | 0.88 | 2,010.0 | -1.64 | 1.49 | 2,115.7 | -1.87 | 0.83 |
| 86VF6P | 403.7 | -0.67 | 0.20 | 1,138.3 | 0.16 | 0.08 | 587.3 | -0.79 | 0.53 | 2,153.7 | -1.00 | 0.13 | 3,694.7 | -0.33 | 0.19 |
| 8Q9F3N | 519.3 | 1.04 | 1.08 | 1,374.7 | 1.61 | 1.25 | 735.0 | 0.39 | 1.14 | 2,619.3 | 1.04 | 0.64 | 4,625.7 | 0.57 | 1.60 |
| 9D3RFD | 454.5 | 0.08 | 0.19 | 1,032.7 | -0.49 | 1.06 | 744.1 | 0.46 | 0.55 | 2,448.7 | 0.29 | 0.64 | 4,210.7 | 0.17 | 0.36 |
| AG24CD | 495.4 | 0.68 | 0.59 | 1,048.8 | -0.39 | 0.40 | 785.8 | 0.80 | 0.49 | 2,510.8 | 0.56 | 1.27 | 2,959.2 | -1.05 | 0.08 |
| BBPT8N | 1,249.7 | 11.81**X** | 0.93 | 1,280.7 | 1.03 | 0.06 | 710.7 | 0.19 | 0.22 | 2,318.1 | -0.28 | 0.25 | 4,778.5 | 0.72 | 0.36 |
| CABJUG | 409.5 | -0.58 | 0.84 | 1,126.1 | 0.08 | 0.90 | 607.6 | -0.63 | 0.63 | 2,077.2 | -1.34 | 0.62 | 3,515.2 | -0.51 | 0.12 |
| CWMK4E | 419.9 | -0.43 | 0.40 | 1,083.0 | -0.18 | 0.22 | 595.5 | -0.73 | 0.18 | 2,045.5 | -1.48 | 0.25 | 2,843.0 | -1.16 | 0.47 |
| DF9V4J | 658.7 | 3.09 | 2.15 | 973.7 | -0.86 | 0.26 | 699.3 | 0.10 | 0.18 | 2,382.3 | 0.00 | 0.23 | 4,036.0 | 0.00 | 0.74 |
| DFEY7A | 384.3 | -0.96 | 0.35 | 1,111.0 | -0.01 | 2.12 | 570.7 | -0.92 | 0.82 | 2,517.7 | 0.59 | 0.49 | 3,295.0 | -0.72 | 0.36 |
| DUEXT8 | 421.0 | -0.41 | 0.28 | 1,150.0 | 0.23 | 0.22 | 613.7 | -0.58 | 0.52 | 2,440.0 | 0.25 | 0.66 | 2,806.7 | -1.20 | 0.90 |
| EN39TB | 447.0 | -0.03 | 0.47 | 978.6 | -0.83 | 0.19 | 790.8 | 0.84 | 0.83 | 2,494.5 | 0.49 | 0.21 | 4,340.3 | 0.30 | 0.48 |
| EUTJ39 | 567.3 | 1.74 | 1.41 | 1,015.3 | -0.60 | 0.84 | 802.7 | 0.93 | 1.05 | 2,366.7 | -0.07 | 1.05 | 2,912.0 | -1.09 | 0.50 |
| FPDBEA | 522.3 | 1.08 | 0.27 | 1,073.3 | -0.24 | 0.15 | 836.3 | 1.20 | 0.72 | 2,362.7 | -0.09 | 0.25 | 4,352.0 | 0.31 | 0.44 |
| GDU8HA | 465.3 | 0.24 | 0.49 | 953.3 | -0.98 | 0.40 | 752.3 | 0.53 | 0.14 | 2,457.0 | 0.33 | 0.15 | 4,360.0 | 0.32 | 0.12 |
| GZQVCB | 491.2 | 0.62 | 0.06 | 989.6 | -0.76 | 0.04 | 791.2 | 0.84 | 0.10 | 2,456.0 | 0.32 | 0.12 | 3,942.7 | -0.09 | 0.38 |
| HGXCX4 | 387.3 | -0.91 | 0.15 | 1,265.4 | 0.94 | 0.22 | 630.0 | -0.45 | 0.28 | 2,457.5 | 0.33 | 0.10 | 3,336.3 | -0.68 | 0.17 |

**Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups**

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HH9DJ3 | 574.1 | 1.84 | 2.33 | 1,167.3 | 0.33 | 2.44 | 836.6 | 1.20 | 4.31 | 2,632.3 | 1.10 | 2.99 | 4,501.7 | 0.45 | 0.96 |
| JK7EW4 | 873.7 | 6.26X | 3.34 | 1,184.0 | 0.44 | 1.76 | 995.7 | 2.47 | 1.69 | 2,603.3 | 0.97 | 1.20 | 4,122.7 | 0.08 | 0.28 |
| JQCYVA | 488.8 | 0.59 | 0.44 | 1,278.3 | 1.02 | 0.26 | 664.9 | -0.17 | 0.21 | 2,451.7 | 0.30 | 1.51 | 2,618.0 | -1.38 | 0.18 |
| JXALTZ | 452.7 | 0.05 | 0.08 | 1,248.3 | 0.83 | 0.19 | 690.0 | 0.03 | 0.22 | 2,406.7 | 0.11 | 0.33 | 4,213.3 | 0.17 | 0.04 |
| K8FVRD | 458.5 | 0.14 | 1.41 | 1,272.1 | 0.98 | 0.68 | 566.0 | -0.96 | 0.45 | 2,112.7 | -1.19 | 1.35 | 3,675.2 | -0.35 | 1.10 |
| KHEFJ7 | 444.3 | -0.07 | 0.25 | 935.0 | -1.09 | 0.10 | 736.0 | 0.40 | 0.14 | 2,246.7 | -0.60 | 0.31 | 4,046.7 | 0.01 | 0.07 |
| LRY7H4 | 449.1 | 0.00 | 0.40 | 1,155.7 | 0.26 | 0.30 | 686.3 | 0.00 | 0.17 | 2,126.3 | -1.13 | 1.09 | 2,557.0 | -1.44 | 0.34 |
| M6MR24 | 49.0 | -5.90X | 0.21 | 115.9 | -6.12X | 0.05 | 60.5 | -5.00X | 0.26 | 221.2 | -9.50X | 0.28 | 790.0 | -3.16X | 0.23 |
| MM3234 | 433.7 | -0.23 | 1.52 | 1,175.3 | 0.38 | 1.49 | 661.0 | -0.20 | 1.27 | 2,363.3 | -0.08 | 1.58 | 2,874.0 | -1.13 | 2.05 |
| MRHAQ4 | 490.3 | 0.61 | 0.58 | 1,034.7 | -0.48 | 0.91 | 788.6 | 0.82 | 0.83 | 2,349.8 | -0.14 | 0.50 | 2,958.1 | -1.05 | 0.08 |
| QBRP96 | 397.6 | -0.76 | | 1,008.5 | -0.64 | | 595.3 | -0.73 | | 2,017.0 | -1.61 | | 3,707.6 | -0.32 | |
| QVFBR8 | 410.1 | -0.58 | 0.21 | 1,149.2 | 0.22 | 0.11 | 582.7 | -0.83 | 0.13 | 2,250.4 | -0.58 | 0.29 | 4,086.5 | 0.05 | 0.15 |
| R4PY67 | 271.4 | -2.62 | | 535.6 | -3.54X | | 41.1 | -5.16X | | 547.2 | -8.06X | | 152.8 | -3.78X | |
| TFKQ8P | 478.5 | 0.43 | 0.11 | 1,070.0 | -0.26 | 0.37 | 796.5 | 0.88 | 0.10 | 2,343.3 | -0.17 | 0.46 | 4,277.0 | 0.23 | 0.25 |
| TQJCHV | 418.7 | -0.45 | 0.63 | 1,091.1 | -0.13 | 0.18 | 593.7 | -0.74 | 0.08 | 2,242.1 | -0.62 | 0.02 | 2,622.4 | -1.38 | 0.36 |
| VCB32Y | 501.3 | 0.77 | 1.08 | 895.7 | -1.33 | 0.21 | 720.3 | 0.27 | 0.36 | 1,890.0 | -2.16 | 0.46 | 3,141.3 | -0.87 | 0.08 |
| W4XJ8Q | 493.3 | 0.65 | 0.29 | 953.3 | -0.98 | 0.56 | 820.0 | 1.07 | 0.36 | 2,520.0 | 0.61 | 0.32 | 2,246.7 | -1.74 | 0.16 |
| W69CWY | 466.3 | 0.25 | 0.18 | 1,403.8 | 1.79 | 0.55 | 603.4 | -0.66 | 0.13 | 3,045.2 | 2.91 | 0.32 | 4,638.9 | 0.59 | 0.11 |
| WC766T | 446.7 | -0.04 | 0.57 | 1,146.7 | 0.21 | 1.04 | 653.3 | -0.26 | 2.06 | 2,313.3 | -0.30 | 1.07 | 3,800.0 | -0.23 | 0.54 |
| XQLP3R | 386.0 | -0.93 | 0.18 | 1,140.0 | 0.17 | 0.22 | 609.3 | -0.62 | 0.14 | 2,263.3 | -0.52 | 0.06 | 4,373.3 | 0.33 | 0.13 |
| XYHBJR | 753.7 | 4.49X | 0.15 | 1,046.7 | -0.41 | 0.17 | 817.7 | 1.05 | 1.50 | 2,456.3 | 0.33 | 0.08 | 6,669.0 | 2.56X | 0.09 |
| YTNTHL | 384.5 | -0.95 | 0.22 | 791.2 | -1.98 | 0.96 | 601.0 | -0.68 | 0.67 | 1,935.2 | -1.97 | 0.29 | 4,137.9 | 0.10 | 0.49 |
| ZTKTVQ | 463.1 | 0.21 | 2.12 | 1,239.3 | 0.78 | 1.08 | 591.9 | -0.76 | 0.49 | 2,466.6 | 0.37 | 0.72 | 4,535.4 | 0.49 | 3.02 |
| ZXH2CU | 497.9 | 0.72 | 0.66 | 1,022.2 | -0.56 | 0.52 | 768.7 | 0.66 | 1.27 | 2,359.2 | -0.10 | 0.15 | 2,988.3 | -1.02 | 0.27 |

**Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 449.1 | 1,113.0 | 686.3 | 2,382.3 | 4,036.0 |
| Median Abs Dev | 39.6 | 99.5 | 82.9 | 84.3 | 499.4 |
| Avg Within Lab SD | 20.2 | 44.6 | 28.0 | 94.0 | 161.1 |
| Labs Included | 45 | 48 | 47 | 47 | 47 |
| Labs Reporting | 50 | 50 | 50 | 50 | 50 |

**Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups**                                                                                      **Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 125.3 | -0.30 | 2.22 | 230.3 | -0.46 | 1.69 | 121.3 | 0.89 | 0.49 | 330.3 | 0.24 | 3.15 | 504.7 | 0.98 | 2.15 |
| 2W2DFK | 114.3 | -0.83 | 0.41 | 248.7 | 0.00 | 0.28 | 97.0 | -0.35 | 0.43 | 314.3 | -0.28 | 0.51 | 427.3 | -0.33 | 0.45 |
| 3U6BYV | 148.7 | 0.84 | 1.08 | 312.5 | 1.61 | 1.03 | 119.1 | 0.78 | 1.68 | 397.8 | 2.41 | 0.26 | 644.3 | 3.36X | 2.65 |
| 3WWADT | 163.7 | 1.57 | 2.08 | 263.3 | 0.37 | 2.49 | 137.3 | 1.71 | 1.29 | 352.3 | 0.95 | 1.57 | 510.3 | 1.08 | 1.23 |
| 6ATHQD | 140.0 | 0.42 | | 290.0 | 1.05 | 1.12 | 98.0 | -0.30 | 0.57 | 326.7 | 0.12 | 1.20 | 453.3 | 0.11 | 0.80 |
| 6PQCHL | 125.7 | -0.28 | 0.34 | 290.0 | 1.05 | 0.62 | 87.7 | -0.83 | 0.33 | 329.3 | 0.20 | 0.65 | 496.7 | 0.85 | 0.72 |
| 7GNP4R | 246.7 | 5.61X | 0.54 | 218.2 | -0.77 | 1.77 | 153.0 | 2.51X | 3.31 | 305.7 | -0.56 | 0.53 | 330.7 | -1.98 | 0.21 |
| 7NAFPM | 134.2 | 0.14 | 0.94 | 221.1 | -0.70 | 0.93 | 116.5 | 0.64 | 0.59 | 325.1 | 0.07 | 1.07 | 450.5 | 0.06 | 0.25 |
| 7ZNKQG | 125.0 | -0.31 | 0.43 | 269.0 | 0.51 | 0.30 | 88.6 | -0.78 | 0.16 | 313.7 | -0.30 | 0.28 | 452.7 | 0.10 | 1.10 |
| 84H2GF | 123.3 | -0.39 | 0.68 | 270.7 | 0.56 | 1.90 | 99.3 | -0.23 | 0.54 | 288.3 | -1.12 | 1.56 | 407.0 | -0.68 | 1.36 |
| 86VF6P | 122.0 | -0.46 | 0.33 | 251.3 | 0.07 | 0.13 | 84.4 | -1.00 | 0.51 | 287.0 | -1.16 | 0.08 | 436.7 | -0.18 | 0.14 |
| 8Q9F3N | 171.7 | 1.96 | 1.24 | 338.3 | 2.27 | 1.52 | 118.3 | 0.74 | 0.89 | 378.0 | 1.77 | 0.14 | 553.0 | 1.80 | 0.45 |
| 9D3RFD | 132.5 | 0.05 | 0.57 | 231.7 | -0.43 | 1.53 | 100.8 | -0.16 | 0.28 | 363.6 | 1.31 | 0.64 | 498.9 | 0.88 | 0.71 |
| AG24CD | 148.2 | 0.81 | 0.66 | 235.1 | -0.34 | 0.07 | 120.2 | 0.83 | 0.30 | 355.1 | 1.04 | 0.30 | 436.1 | -0.19 | 0.24 |
| BBPT8N | 4,778.5 | 225.85X | 9.54 | 272.3 | 0.60 | 0.08 | 93.3 | -0.54 | 0.12 | 326.6 | 0.12 | 0.24 | 491.6 | 0.76 | 0.17 |
| CABJUG | 127.5 | -0.19 | 0.96 | 262.8 | 0.36 | 1.19 | 97.0 | -0.35 | 2.43 | 305.9 | -0.55 | 0.16 | 463.9 | 0.29 | 1.85 |
| CWMK4E | 130.3 | -0.05 | 0.37 | 249.7 | 0.03 | 0.54 | 90.4 | -0.69 | 0.52 | 303.4 | -0.63 | 0.27 | 421.5 | -0.43 | 0.33 |
| DF9V4J | 113.3 | -0.88 | 0.25 | 190.7 | -1.47 | 0.36 | 114.0 | 0.52 | 0.64 | 299.0 | -0.77 | 0.28 | 446.7 | -0.01 | 0.22 |
| DFEY7A | 106.0 | -1.24 | 0.16 | 218.0 | -0.78 | 0.22 | 79.3 | -1.25 | 0.25 | 291.0 | -1.03 | 0.78 | 408.3 | -0.66 | 0.80 |
| DUEXT8 | 123.3 | -0.39 | 0.25 | 265.7 | 0.43 | 0.06 | 86.7 | -0.88 | 0.45 | 309.0 | -0.45 | 0.61 | 410.7 | -0.62 | 1.15 |
| EN39TB | 129.3 | -0.10 | 0.16 | 203.0 | -1.16 | 0.64 | 108.5 | 0.24 | 0.38 | 324.7 | 0.06 | 0.22 | 429.8 | -0.29 | 0.12 |
| EUTJ39 | 158.7 | 1.32 | 0.68 | 239.3 | -0.24 | 0.68 | 120.7 | 0.86 | 0.87 | 335.7 | 0.41 | 0.79 | 446.3 | -0.01 | 1.24 |
| FPDBEA | 152.7 | 1.03 | 0.62 | 235.0 | -0.35 | 0.34 | 125.3 | 1.10 | 0.45 | 331.0 | 0.26 | 0.16 | 463.7 | 0.28 | 0.45 |
| GDU8HA | 176.0 | 2.17 | 0.98 | 227.3 | -0.54 | 0.45 | 132.7 | 1.47 | 0.12 | 263.3 | -1.92 | 0.47 | 330.0 | -1.99 | 0.63 |
| GZQVCB | 151.8 | 0.99 | 0.13 | 234.0 | -0.37 | 0.39 | 130.9 | 1.38 | 0.35 | 369.4 | 1.49 | 0.31 | 487.8 | 0.70 | 0.29 |
| HGXCX4 | 136.4 | 0.24 | 0.08 | 266.2 | 0.44 | 0.31 | 99.2 | -0.24 | 0.16 | 314.7 | -0.27 | 0.30 | 440.4 | -0.11 | 0.55 |

**Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HH9DJ3 | 169.7 | 1.86 | 1.61 | 275.7 | 0.68 | 2.75 | 130.7 | 1.37 | 3.22 | 393.0 | 2.26 | 2.78 | 530.1 | 1.41 | 1.27 |
| JK7EW4 | 171.0 | 1.92 | 3.45 | 218.3 | -0.77 | 2.11 | 135.0 | 1.59 | 2.47 | 318.3 | -0.15 | 1.11 | 447.3 | 0.01 | 0.98 |
| JQCYVA | 149.8 | 0.90 | 0.96 | 281.1 | 0.82 | 0.77 | 100.6 | -0.17 | 0.31 | 336.5 | 0.43 | 0.51 | 408.2 | -0.66 | 0.34 |
| JXALTZ | 146.3 | 0.73 | 0.19 | 293.7 | 1.14 | 0.13 | 116.0 | 0.62 | 0.57 | 336.3 | 0.43 | 0.32 | 491.3 | 0.75 | 0.16 |
| K8FVRD | 133.3 | 0.09 | 0.23 | 277.8 | 0.74 | 0.57 | 92.5 | -0.58 | 0.08 | 332.6 | 0.31 | 0.24 | 503.7 | 0.96 | 0.54 |
| KHEFJ7 | 134.3 | 0.14 | 0.09 | 210.3 | -0.97 | 0.13 | 113.3 | 0.48 | 0.45 | 316.7 | -0.20 | 0.39 | 431.7 | -0.26 | 0.39 |
| LRY7H4 | 110.9 | -1.00 | 0.43 | 237.9 | -0.27 | 0.42 | 94.7 | -0.47 | 0.11 | 312.7 | -0.33 | 0.16 | 363.0 | -1.43 | 0.38 |
| M6MR24 | 127.7 | -0.18 | 0.42 | 286.4 | 0.96 | 0.46 | 99.3 | -0.23 | 2.14 | 313.8 | -0.30 | 3.01 | 546.1 | 1.69 | 1.03 |
| MM3234 | 113.3 | -0.88 | 1.88 | 253.7 | 0.13 | 0.71 | 102.0 | -0.10 | 0.74 | 328.0 | 0.16 | 1.09 | 427.0 | -0.34 | 1.09 |
| MRHAQ4 | 142.4 | 0.53 | 0.64 | 229.4 | -0.49 | 0.18 | 116.7 | 0.66 | 1.15 | 345.9 | 0.74 | 0.18 | 432.1 | -0.25 | 0.28 |
| QBRP96 | 123.4 | -0.39 | | 231.8 | -0.43 | | 91.7 | -0.62 | | 275.7 | -1.52 | | 400.9 | -0.78 | |
| QVFBR8 | 122.9 | -0.41 | 0.99 | 276.6 | 0.71 | 0.11 | 105.3 | 0.07 | 0.72 | 299.0 | -0.77 | 0.83 | 472.0 | 0.43 | 0.63 |
| R4PY67 | 41.6 | -4.37X | | 37.7 | -5.34X | | 7.2 | -4.94X | | 96.9 | -7.29X | | 39.3 | -6.94X | |
| TFKQ8P | 149.7 | 0.89 | 1.00 | 242.7 | -0.15 | 0.13 | 131.3 | 1.40 | 0.75 | 332.0 | 0.29 | 1.29 | 483.7 | 0.62 | 0.22 |
| TQJCHV | 122.1 | -0.45 | 0.60 | 248.1 | -0.01 | 0.10 | 88.9 | -0.77 | 0.13 | 319.2 | -0.12 | 0.00 | 424.5 | -0.38 | 0.92 |
| VCB32Y | 123.0 | -0.41 | 0.75 | 185.0 | -1.61 | 0.62 | 108.0 | 0.21 | 0.64 | 264.7 | -1.88 | 0.35 | 343.0 | -1.77 | 0.32 |
| W4XJ8Q | 108.0 | -1.14 | 0.16 | 193.7 | -1.39 | 0.34 | 115.0 | 0.57 | 0.57 | 336.7 | 0.44 | 0.25 | 397.3 | -0.85 | 0.51 |
| W69CWY | 131.4 | 0.00 | 0.34 | 298.2 | 1.25 | 0.49 | 84.9 | -0.97 | 0.82 | 314.4 | -0.28 | 0.34 | 507.6 | 1.03 | 0.56 |
| WC766T | 137.0 | 0.27 | 1.13 | 274.0 | 0.64 | 1.55 | 113.0 | 0.47 | 1.48 | 323.0 | 0.00 | 1.09 | 431.7 | -0.26 | 0.92 |
| XQLP3R | 122.7 | -0.43 | 0.25 | 258.7 | 0.25 | 0.06 | 89.4 | -0.74 | 0.42 | 297.3 | -0.83 | 0.25 | 455.3 | 0.14 | 0.14 |
| XYHBJR | 129.2 | -0.11 | 0.02 | 235.3 | -0.34 | 0.08 | 104.7 | 0.04 | 0.28 | 313.1 | -0.32 | 0.14 | 555.1 | 1.84 | 0.39 |
| YTNTHL | 124.6 | -0.33 | 1.43 | 199.8 | -1.24 | 1.34 | 103.1 | -0.04 | 1.69 | 300.4 | -0.73 | 1.37 | 451.5 | 0.08 | 2.69 |
| ZTKTVQ | 141.4 | 0.49 | 0.41 | 287.6 | 0.99 | 1.20 | 91.5 | -0.63 | 0.41 | 344.0 | 0.68 | 0.94 | 479.6 | 0.56 | 3.31 |
| ZXH2CU | 156.2 | 1.20 | 0.93 | 242.6 | -0.15 | 0.34 | 120.0 | 0.82 | 0.22 | 335.3 | 0.40 | 0.24 | 418.1 | -0.49 | 0.77 |

**Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups**　　　　　　Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 131.4 | 248.7 | 103.9 | 323.0 | 447.0 |
| Median Abs Dev | 9.3 | 22.0 | 12.5 | 13.5 | 34.5 |
| Avg Within Lab SD | 6.1 | 8.9 | 4.7 | 12.7 | 14.4 |
| Labs Included | 47 | 49 | 48 | 49 | 48 |
| Labs Reporting | 50 | 50 | 50 | 50 | 50 |

**Na  Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 8.9 | -0.41 | 1.12 | 17.6 | -0.85 | 0.46 | 23.2 | 0.35 | 2.51 | 24.6 | -0.39 | 0.96 | 15.3 | -0.34 | 0.96 |
| 2W2DFK | 9.7 | -0.23 | 0.50 | 25.3 | 0.34 | 0.68 | 21.0 | -0.01 | 0.59 | 27.0 | 0.06 | | 16.7 | 0.00 | 0.54 |
| 3U6BYV | 13.2 | 0.58 | 1.86 | 34.3 | 1.72 | 0.52 | 152.6 | 21.44X | 4.51 | 244.6 | 41.34X | 10.25 | 67.7 | 12.47X | 3.32 |
| 3WWADT | 8.2 | -0.57 | 1.37 | 21.0 | -0.33 | 2.37 | 21.9 | 0.14 | 1.51 | 25.7 | -0.19 | 2.15 | 15.9 | -0.19 | 1.32 |
| 6ATHQD | 10.7 | 0.00 | 0.66 | 27.7 | 0.70 | 1.23 | 20.0 | -0.18 | | 27.3 | 0.13 | 1.01 | 16.3 | -0.08 | 0.54 |
| 7GNP4R | 34.1 | 5.32X | 2.01 | 44.1 | 3.24X | 2.51 | 25.3 | 0.69 | 1.04 | 22.0 | -0.88 | 0.96 | 31.1 | 3.54X | 2.07 |
| 7NAFPM | 15.8 | 1.17 | 1.21 | 25.6 | 0.38 | 0.46 | 26.9 | 0.94 | 0.07 | 31.3 | 0.89 | 0.78 | 21.1 | 1.08 | 1.05 |
| 7ZNKQG | 2.1 | -1.94 | 0.16 | 18.5 | -0.72 | 0.33 | 13.6 | -1.22 | 0.03 | 19.2 | -1.41 | 0.06 | 15.9 | -0.18 | 4.61 |
| 84H2GF | 9.3 | -0.30 | 0.66 | 21.0 | -0.33 | 0.59 | 18.0 | -0.50 | 1.19 | 27.7 | 0.19 | 3.24 | 17.7 | 0.25 | 0.71 |
| 86VF6P | 3.0 | -1.73 | 0.04 | 18.8 | -0.67 | 0.10 | 14.0 | -1.15 | 0.28 | 20.0 | -1.26 | 0.10 | 10.0 | -1.63 | 0.01 |
| 8Q9F3N | 8.6 | -0.48 | 1.33 | 24.3 | 0.19 | 2.12 | 19.4 | -0.28 | 1.94 | 26.7 | 0.00 | 2.34 | 13.3 | -0.83 | 1.10 |
| 9D3RFD | 63.6 | 12.00X | 0.93 | 57.6 | 5.32X | 4.51 | 53.1 | 5.23X | 1.39 | 65.1 | 7.29X | 1.49 | 46.7 | 7.35X | 1.06 |
| AG24CD | 11.3 | 0.14 | 0.07 | 23.3 | 0.02 | 0.65 | 22.5 | 0.23 | 0.33 | 31.4 | 0.90 | 1.00 | 16.7 | 0.00 | 0.15 |
| CABJUG | 11.8 | 0.25 | 0.43 | 25.3 | 0.34 | 0.16 | 29.9 | 1.44 | 1.76 | 32.3 | 1.07 | 0.92 | 23.9 | 1.76 | 1.01 |
| CWMK4E | 18.1 | 1.68 | 0.26 | 31.0 | 1.22 | 0.84 | 21.1 | 0.00 | 0.52 | 29.5 | 0.54 | 0.28 | 18.0 | 0.33 | 0.15 |
| DF9V4J | 9.9 | -0.18 | 0.25 | 23.8 | 0.10 | 0.07 | 23.8 | 0.44 | 0.72 | 27.7 | 0.19 | 0.71 | 19.5 | 0.70 | 0.16 |
| DFEY7A | 8.3 | -0.53 | 0.66 | 21.7 | -0.23 | 0.34 | 17.7 | -0.56 | 0.69 | 26.7 | 0.00 | 0.28 | 14.7 | -0.49 | 0.27 |
| DUEXT8 | 4.0 | -1.51 | 0.43 | 19.3 | -0.59 | 0.34 | 16.0 | -0.83 | 0.59 | 24.0 | -0.51 | | 11.0 | -1.38 | |
| EN39TB | 3.8 | -1.55 | 0.33 | 14.9 | -1.27 | 0.08 | 18.2 | -0.48 | 0.51 | 21.1 | -1.06 | 0.22 | 11.1 | -1.35 | 0.43 |
| FPDBEA | 10.3 | -0.08 | 0.25 | 21.0 | -0.33 | 0.59 | 23.3 | 0.37 | 0.34 | 26.0 | -0.13 | 0.49 | 16.0 | -0.16 | |
| GZQVCB | 11.0 | 0.08 | 0.30 | 22.4 | -0.11 | 0.20 | 24.8 | 0.60 | 0.31 | 29.9 | 0.62 | 0.20 | 17.5 | 0.20 | 0.18 |
| HGXCX4 | 11.5 | 0.19 | 0.54 | 23.4 | 0.04 | 0.46 | 19.0 | -0.34 | 0.12 | 23.6 | -0.58 | 0.13 | 16.0 | -0.15 | 0.15 |
| HH9DJ3 | 12.4 | 0.39 | 1.22 | 26.3 | 0.49 | 1.05 | 26.4 | 0.87 | 0.20 | 31.4 | 0.89 | 0.79 | 18.3 | 0.40 | 0.69 |
| JK7EW4 | 15.7 | 1.13 | 2.64 | 24.0 | 0.13 | | 26.7 | 0.91 | 0.91 | 29.0 | 0.44 | 0.84 | 19.7 | 0.73 | 1.63 |
| JQCYVA | 6.7 | -0.89 | 0.42 | 24.7 | 0.24 | 1.51 | 17.6 | -0.57 | 0.41 | 27.6 | 0.18 | 0.64 | 15.6 | -0.27 | 0.05 |
| JXALTZ | 10.9 | 0.06 | 0.25 | 26.3 | 0.49 | 0.34 | 26.7 | 0.91 | 0.34 | 31.0 | 0.82 | 0.49 | 24.3 | 1.87 | 0.27 |

## Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups — Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K8FVRD | 10.8 | 0.03 | 0.36 | 28.0 | 0.75 | 0.96 | 25.0 | 0.64 | 0.71 | 34.3 | 1.45 | 1.09 | 17.7 | 0.26 | 0.56 |
| LRY7H4 | 10.7 | 0.00 | 0.30 | 25.4 | 0.35 | 0.36 | 22.1 | 0.16 | 0.09 | 26.2 | -0.08 | 0.25 | 18.0 | 0.34 | 0.27 |
| M6MR24 | 9.9 | -0.17 | 0.31 | 28.4 | 0.81 | 0.42 | 18.3 | -0.46 | 2.15 | 26.7 | 0.01 | 1.84 | 24.4 | 1.90 | 0.57 |
| MM3234 | 23.3 | 2.87 | 2.88 | 38.0 | 2.29 | 0.59 | 30.7 | 1.56 | 0.34 | 39.3 | 2.40 | 1.01 | 25.7 | 2.20 | 0.71 |
| MRHAQ4 | 10.8 | 0.03 | 0.19 | 21.0 | -0.32 | 0.25 | 21.1 | 0.00 | 0.39 | 25.4 | -0.24 | 0.29 | 13.6 | -0.76 | 0.35 |
| QBRP96 | 11.9 | 0.28 | | 18.3 | -0.75 | | 16.0 | -0.83 | | 22.7 | -0.76 | | 17.1 | 0.12 | |
| QVFBR8 | 5.6 | -1.14 | 0.13 | 23.1 | 0.00 | 0.29 | 17.5 | -0.58 | 0.28 | 26.6 | -0.02 | 0.03 | 12.8 | -0.95 | 0.30 |
| R4PY67 | 5.8 | -1.10 | | 6.6 | -2.55 | | 1.7 | -3.15 | | 54.3 | 5.24X | | 1.0 | -3.83X | |
| TFKQ8P | 10.8 | 0.03 | 0.51 | 22.9 | -0.04 | 1.09 | 24.9 | 0.63 | 0.48 | 28.5 | 0.35 | 0.97 | 18.6 | 0.48 | 0.27 |
| TQJCHV | 4.8 | -1.32 | 0.07 | 14.8 | -1.28 | 0.35 | 11.5 | -1.56 | 0.06 | 18.1 | -1.62 | 0.07 | 8.9 | -1.89 | 0.70 |
| VCB32Y | 13.0 | 0.53 | 0.43 | 19.3 | -0.59 | 0.34 | 21.0 | -0.01 | 0.59 | 22.0 | -0.89 | 0.49 | 16.0 | -0.16 | 0.46 |
| W4XJ8Q | 14.7 | 0.91 | 0.66 | 32.3 | 1.42 | 0.34 | 45.7 | 4.01X | 2.25 | 40.3 | 2.59 | 1.57 | 16.3 | -0.08 | 0.97 |
| W69CWY | 3.1 | -1.71 | 0.01 | 18.5 | -0.71 | 0.23 | 11.7 | -1.52 | 0.15 | 24.5 | -0.42 | 0.20 | 8.5 | -1.99 | 0.06 |
| WC766T | 17.6 | 1.58 | 2.51 | 32.2 | 1.40 | 3.60 | 26.1 | 0.81 | 3.16 | 30.7 | 0.76 | 0.65 | 19.9 | 0.80 | 0.62 |
| XQLP3R | 12.6 | 0.45 | 0.20 | 13.1 | -1.55 | 0.38 | 11.7 | -1.53 | 0.11 | 14.2 | -2.37 | 0.13 | 17.1 | 0.11 | 0.09 |
| XYHBJR | 10.3 | -0.09 | 0.02 | 20.2 | -0.45 | 0.19 | 22.3 | 0.20 | 0.11 | 26.1 | -0.10 | 0.04 | 17.2 | 0.12 | 0.08 |
| YTNTHL | 8.2 | -0.55 | 0.69 | 16.6 | -1.01 | 1.93 | 18.8 | -0.36 | 0.74 | 23.8 | -0.54 | 0.37 | 13.6 | -0.76 | 1.30 |
| ZTKTVQ | 11.3 | 0.14 | 1.84 | 27.6 | 0.70 | 1.00 | 21.3 | 0.03 | 0.76 | 28.1 | 0.28 | 0.28 | 16.8 | 0.05 | 0.92 |
| ZXH2CU | 10.7 | 0.01 | 0.21 | 21.8 | -0.21 | 0.26 | 22.7 | 0.26 | 0.22 | 25.9 | -0.14 | 0.08 | 15.4 | -0.30 | 0.22 |

## Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 10.7 | 23.1 | 21.1 | 26.7 | 16.7 |
| Median Abs Dev | 2.0 | 3.2 | 3.5 | 2.8 | 1.4 |
| Avg Within Lab SD | 2.3 | 1.7 | 1.7 | 2.1 | 2.2 |
| Labs Included | 43 | 43 | 42 | 42 | 41 |
| Labs Reporting | 45 | 45 | 45 | 45 | 45 |

**Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups**                                 Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| BVW8T9 | 58.8 | 1.18 | | 84.4 | 0.40 | | 205.3 | 1.36 | | 229.4 | 1.12 | | 143.5 | 0.59 | |
| DF9V4J | 62.3 | 0.78 | | 89.7 | 1.36 | | 205.3 | 0.40 | | 253.7 | 0.86 | | 150.7 | 1.29 | |

**Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups**                                 Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 60.6 | 87.1 | 205.3 | 241.6 | 147.1 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 1.5 | 1.9 | 2.9 | 7.7 | 3.9 |
| **Labs Included** | 2 | 2 | 2 | 2 | 2 |
| **Labs Reporting** | 2 | 2 | 2 | 2 | 2 |

**K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups**  Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 9D3RFD | **142.0** | 1.15 | | **80.7** | 1.35 | | **241.7** | 1.10 | | **344.3** | 0.97 | | **160.3** | 1.34 | |
| P3TKWW | **69.0** | 0.82 | | **145.7** | 0.41 | | **200.7** | 0.89 | | **298.7** | 1.03 | | **135.7** | 0.45 | |

**K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 105.5 | 113.2 | 221.2 | 321.5 | 148.0 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 5.3 | 2.8 | 4.6 | 3.1 | 5.1 |
| **Labs Included** | 2 | 2 | 2 | 2 | 2 |
| **Labs Reporting** | 2 | 2 | 2 | 2 | 2 |

**K Modified Morgan (SubTestCode 147) in the Bases (1:10) Property Groups**      Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| **9D72ND** | **108.7** | 1.00 | | **178.7** | 1.00 | | **311.7** | 1.00 | | **438.3** | 1.00 | | **273.0** | 1.00 | |

**K Modified Morgan (SubTestCode 147) in the Bases (1:10) Property Groups**      Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 108.7 | 178.7 | 311.7 | 438.3 | 273.0 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 2.1 | 1.5 | 6.1 | 6.7 | 5.0 |
| **Labs Included** | 1 | 1 | 1 | 1 | 1 |
| **Labs Reporting** | 1 | 1 | 1 | 1 | 1 |

**Ca Modified Morgan (SubTestCode 148) in the Bases (1:10) Property Groups** — Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| **9D72ND** | **683.3** | 1.00 | | **1,882.3** | 1.00 | | **1,014.7** | 1.00 | | **4,233.7** | 1.00 | | **30,172.7** | 1.00 | |

**Ca Modified Morgan (SubTestCode 148) in the Bases (1:10) Property Groups** — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 683.3 | 1,882.3 | 1,014.7 | 4,233.7 | 30,172.7 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 6.0 | 21.0 | 12.5 | 23.5 | 364.8 |
| **Labs Included** | 1 | 1 | 1 | 1 | 1 |
| **Labs Reporting** | 1 | 1 | 1 | 1 | 1 |

**Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups**  — Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 9.29 | 2.04 | 1.60 | 0.90 | 0.25 | | 21.89 | 0.75 | 1.45 | | | | | | |
| 3UUGAM | 0.51 | -0.58 | 0.03 | 0.38 | -1.00 | 0.07 | 3.19 | -2.05 | 0.02 | 0.69 | 0.06 | | 1.18 | | 0.11 |
| 8Q9F3N | 2.45 | 0.00 | 1.26 | 0.79 | 0.00 | 1.18 | 13.60 | -0.49 | 0.76 | 0.91 | 0.87 | | 0.61 | | 0.97 |
| HH9DJ3 | 2.15 | -0.09 | 0.90 | 0.71 | -0.19 | 1.62 | 16.88 | 0.00 | 1.34 | 1.57 | 1.24 | | 0.73 | | 1.74 |
| P3TKWW | 4.67 | 0.66 | 0.18 | 1.60 | 1.93 | 0.00 | 17.47 | 0.09 | 0.71 | 3.13 | 1.30 | | 1.97 | | 0.16 |

**Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups**  — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 2.45 | 0.79 | 16.9 | 1.24 | 0.95 |
| Median Abs Dev | 1.94 | 0.11 | 3.3 | | |
| Avg Within Lab SD | 0.32 | 0.23 | 0.9 | 0.27 | 0.36 |
| Labs Included | 5 | 5 | 5 | 4 | 4 |
| Labs Reporting | 5 | 5 | 5 | 4 | 4 |

**Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups**  —  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 3.9 | 1.04 | 1.67 | 89.0 | 2.83 | 1.62 | 40.6 | 3.16 | 1.79 | 243.4 | 2.62 | 1.16 | 9.5 | 2.72 | 0.19 |
| 3UUGAM | 2.2 | -0.09 | 0.38 | 49.6 | -0.04 | 0.42 | 19.5 | -0.07 | 0.44 | 149.5 | -0.10 | 0.28 | 1.5 | -0.14 | 0.78 |
| 44YNNM | 0.2 | -1.46 | | 51.6 | 0.11 | 0.03 | 22.6 | 0.41 | 0.13 | 152.9 | 0.00 | 0.31 | 0.0 | -0.68 | |
| H6FRD8 | 4.1 | 1.23 | 1.15 | 54.4 | 0.31 | 0.08 | 19.1 | -0.12 | 0.66 | 168.4 | 0.45 | 0.07 | 2.1 | 0.07 | 0.16 |
| LLQW29 | 2.1 | -0.14 | 0.27 | 50.1 | 0.00 | 0.21 | 18.6 | -0.21 | 1.24 | 149.9 | -0.09 | 1.09 | 1.7 | -0.07 | 1.98 |
| TCJDUX | 2.5 | 0.09 | 0.83 | 48.8 | -0.09 | 0.62 | 20.4 | 0.07 | 0.77 | 160.7 | 0.22 | 1.55 | 3.0 | 0.38 | 0.63 |
| UNBDWZ | 58.5 | 38.54X | 6.28 | 31.7 | -1.34 | 1.94 | 64.2 | 6.79X | 1.02 | 110.0 | -1.24 | 1.37 | 248.7 | 88.22X | 13.12 |

**Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups**  —  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 2.35 | 50.1 | 19.9 | 152.9 | 1.92 |
| Median Abs Dev | 0.86 | 1.5 | 1.1 | 7.8 | 0.72 |
| Avg Within Lab SD | 0.21 | 1.8 | 0.7 | 3.7 | 0.31 |
| Labs Included | 6 | 7 | 6 | 7 | 6 |
| Labs Reporting | 7 | 7 | 7 | 7 | 7 |

**Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups**       **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 81.3 | 1.96 | 0.71 | 181.5 | 1.62 | 0.76 | 205.7 | 1.33 | 1.80 | 370.9 | 6.42X | 1.68 | 137.6 | 2.79 | 2.26 |
| 3UUGAM | 58.8 | -0.02 | 0.35 | 117.5 | 0.09 | 0.48 | 183.3 | 0.66 | 0.39 | 250.7 | 0.68 | 0.51 | 73.3 | 0.12 | 0.17 |
| 44YNNM | 60.3 | 0.11 | 0.74 | 113.7 | 0.00 | 0.73 | 172.7 | 0.34 | 0.49 | 233.2 | -0.15 | 0.99 | 68.5 | -0.08 | 0.30 |
| H6FRD8 | 59.4 | 0.02 | 0.51 | 103.0 | -0.26 | 1.40 | 161.2 | 0.00 | 0.99 | 239.6 | 0.15 | 0.55 | 72.4 | 0.08 | 0.15 |
| LLQW29 | 51.3 | -0.69 | 0.43 | 111.3 | -0.06 | 0.97 | 136.0 | -0.75 | 1.07 | 213.7 | -1.08 | 0.52 | 58.1 | -0.51 | 0.78 |
| TCJDUX | 45.1 | -1.24 | 2.09 | 93.7 | -0.48 | 0.09 | 158.8 | -0.07 | 0.29 | 223.2 | -0.63 | 1.83 | 59.4 | -0.46 | 0.37 |
| UNBDWZ | 186.5 | 11.27X | 1.78 | 206.0 | 2.21 | 1.66 | 108.7 | -1.57 | 1.08 | 264.5 | 1.34 | 0.92 | 392.7 | 13.41X | 6.52 |

**Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups**       **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 59.1 | 113.7 | 161.2 | 236.4 | 70.4 |
| Median Abs Dev | 4.5 | 10.7 | 22.1 | 13.7 | 7.0 |
| Avg Within Lab SD | 1.7 | 2.8 | 3.3 | 5.5 | 1.7 |
| Labs Included | 6 | 7 | 7 | 6 | 6 |
| Labs Reporting | 7 | 7 | 7 | 7 | 7 |

**Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 530.2 | 1.67 | 0.86 | 2,305.8 | 2.37 | 2.17 | 754.2 | 1.04 | 1.95 | 3,003.0 | 0.13 | 2.22 | 7,879.0 | 2.31 | 2.60 |
| 3UUGAM | 446.2 | -0.14 | 0.57 | 1,346.5 | -0.01 | 0.43 | 690.0 | 0.24 | 0.45 | 3,142.3 | 0.88 | 0.75 | 5,387.5 | 0.47 | 0.31 |
| 44YNNM | 458.8 | 0.14 | 0.44 | 1,363.3 | 0.03 | 0.26 | 703.8 | 0.41 | 0.32 | 3,032.8 | 0.29 | 0.73 | 4,745.5 | 0.00 | 0.11 |
| H6FRD8 | 462.2 | 0.21 | 0.26 | 1,251.0 | -0.25 | 0.51 | 651.8 | -0.24 | 0.87 | 2,979.7 | 0.00 | 0.13 | 5,203.7 | 0.34 | 0.17 |
| LLQW29 | 412.1 | -0.87 | 0.21 | 1,350.8 | 0.00 | 0.14 | 527.0 | -1.80 | 0.54 | 2,700.9 | -1.51 | 0.63 | 4,303.4 | -0.33 | 0.07 |
| TCJDUX | 404.4 | -1.03 | 2.15 | 1,204.3 | -0.36 | 0.29 | 645.5 | -0.32 | 0.92 | 2,913.0 | -0.36 | 0.54 | 4,576.0 | -0.12 | 0.05 |
| UNBDWZ | 3,111.8 | 57.11X | 6.57 | 2,034.7 | 1.70 | 1.29 | 4,308.7 | 45.48X | 11.30 | 2,692.0 | -1.56 | 0.51 | 3,180.0 | -1.15 | 0.33 |

**Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups**  **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 452.5 | 1,350.8 | 670.9 | 2,979.7 | 4,745.5 |
| **Median Abs Dev** | 25.0 | 99.8 | 29.1 | 66.7 | 458.2 |
| **Avg Within Lab SD** | 16.8 | 47.8 | 14.4 | 56.5 | 311.7 |
| **Labs Included** | 6 | 7 | 6 | 7 | 7 |
| **Labs Reporting** | 7 | 7 | 7 | 7 | 7 |

**Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups** — Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 166.5 | 1.97 | 0.47 | 461.1 | 1.68 | 2.14 | 113.6 | 1.47 | 1.49 | 305.7 | -0.92 | 1.95 | 770.4 | 7.55X | 5.83 |
| 3UUGAM | 129.5 | -0.25 | 0.14 | 244.8 | -0.18 | 0.19 | 98.7 | 0.13 | 0.59 | 316.3 | -0.35 | 0.45 | 444.7 | -0.05 | 0.51 |
| 44YNNM | 138.2 | 0.27 | 0.35 | 265.8 | 0.00 | 0.25 | 103.5 | 0.56 | 0.65 | 339.1 | 0.89 | 0.85 | 493.5 | 1.09 | 0.55 |
| H6FRD8 | 137.8 | 0.25 | 0.26 | 236.1 | -0.25 | 0.24 | 95.6 | -0.14 | 0.71 | 335.3 | 0.69 | 0.71 | 476.7 | 0.69 | 1.05 |
| LLQW29 | 126.2 | -0.45 | 0.29 | 275.8 | 0.09 | 0.19 | 79.2 | -1.62 | 1.35 | 307.0 | -0.85 | 0.22 | 449.3 | 0.05 | 0.96 |
| TCJDUX | 119.2 | -0.87 | 2.34 | 233.0 | -0.28 | 0.15 | 95.8 | -0.13 | 0.82 | 329.1 | 0.35 | 0.84 | 433.8 | -0.31 | 0.70 |
| UNBDWZ | 401.3 | 16.01X | 0.58 | 526.0 | 2.24 | 1.49 | 500.3 | 36.16X | 1.44 | 771.3 | 24.40X | 3.34 | 367.7 | -1.85 | 1.71 |

**Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups** — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 133.7 | 265.8 | 97.2 | 322.7 | 447.0 |
| Median Abs Dev | 6.0 | 29.6 | 3.9 | 14.1 | 21.5 |
| Avg Within Lab SD | 6.1 | 14.1 | 1.8 | 7.4 | 11.4 |
| Labs Included | 6 | 7 | 6 | 6 | 6 |
| Labs Reporting | 7 | 7 | 7 | 7 | 7 |

**Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups**  Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3U6BYV | 39.6 | 2.64 | 0.18 | 95.6 | 2.59 | 2.22 | 50.6 | 0.65 | 0.80 | 76.9 | 2.88 | 1.73 | 0.8 | -0.33 | 1.40 |
| 3UUGAM | 24.9 | -0.04 | 1.32 | 45.3 | -0.32 | 1.13 | 50.7 | 0.66 | 0.77 | 30.3 | -0.10 | 0.72 | 1.4 | 0.74 | 1.65 |
| 44YNNM | 27.1 | 0.36 | 0.69 | 53.2 | 0.13 | 0.43 | 50.1 | 0.57 | 0.47 | 33.4 | 0.10 | 0.20 | 1.1 | 0.23 | 1.01 |
| FJLEZH | 29.9 | 0.86 | 0.08 | 62.3 | 0.66 | 0.01 | 35.4 | -1.47 | 1.61 | 43.6 | 0.75 | 0.03 | 0.8 | -0.31 | 0.05 |
| H6FRD8 | 24.6 | -0.11 | 0.27 | 41.5 | -0.54 | 0.02 | 46.2 | 0.03 | 0.61 | 28.1 | -0.24 | 0.68 | 2.0 | 1.83 | 0.85 |
| LLQW29 | 22.7 | -0.45 | 0.36 | 48.6 | -0.13 | 0.25 | 38.0 | -1.11 | 1.46 | 27.5 | -0.28 | 1.69 | 0.8 | -0.23 | 0.74 |
| QZVJF8 | 25.4 | 0.04 | | 59.0 | 0.47 | | 39.6 | -0.89 | | 43.0 | 0.71 | | 1.4 | 0.72 | |
| TCJDUX | 20.3 | -0.89 | 2.13 | 41.4 | -0.55 | 0.74 | 45.8 | -0.03 | 0.67 | 26.6 | -0.34 | 0.34 | 0.4 | -1.01 | 0.11 |
| UNBDWZ | 68.7 | 7.95X | 4.41 | 552.3 | 28.96X | 20.85 | 21.7 | -3.38X | 4.25 | 294.7 | 16.80X | 8.92 | 252.0 | 438.06X | 123.49 |

**Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 25.2 | 50.9 | 46.0 | 31.8 | 0.98 |
| Median Abs Dev | 2.2 | 8.8 | 4.7 | 4.8 | 0.30 |
| Avg Within Lab SD | 0.7 | 1.8 | 0.7 | 1.0 | 0.11 |
| Labs Included | 8 | 8 | 8 | 8 | 8 |
| Labs Reporting | 9 | 9 | 9 | 9 | 9 |

## Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 1.60 | 0.56 | 0.23 | 4.63 | 1.11 | 1.39 | 2.87 | 0.55 | 0.67 | 61.83 | 0.78 | 2.20 | | | |
| 3UUGAM | 1.12 | -0.46 | 1.32 | 3.19 | -0.18 | 1.17 | 2.43 | 0.00 | 0.35 | 48.71 | 0.00 | 0.91 | 0.15 | 0.82 | 0.00 |
| 44YNNM | 1.52 | 0.38 | 1.01 | 3.62 | 0.20 | 0.77 | 2.78 | 0.44 | 0.30 | 48.67 | 0.00 | 0.71 | 0.04 | -0.49 | 2.20 |
| FJLEZH | 0.21 | -2.42 | 0.04 | 0.49 | -2.60 | 0.05 | 0.29 | -2.66 | 0.02 | 6.20 | -2.53 | 0.00 | 0.04 | -0.58 | 0.09 |
| H6FRD8 | 1.44 | 0.21 | 1.05 | 3.14 | -0.23 | 0.34 | 2.44 | 0.01 | 0.36 | 49.46 | 0.05 | 0.33 | 0.12 | 0.49 | 0.33 |
| LLQW29 | 1.24 | -0.21 | 0.23 | 3.60 | 0.18 | 0.51 | 2.06 | -0.46 | 0.63 | 47.10 | -0.09 | 1.16 | 0.02 | -0.74 | 0.25 |
| QZVJF8 | 1.46 | 0.26 | | 4.03 | 0.57 | | 2.54 | 0.14 | | 51.60 | 0.17 | | | | |
| TCJDUX | 0.92 | -0.91 | 1.74 | 3.03 | -0.32 | 1.65 | 2.40 | -0.04 | 2.41 | 48.56 | -0.01 | 0.47 | 0.16 | 0.94 | 0.99 |
| UNBDWZ | 5.00 | 7.83X | | 21.00 | 15.77X | 10.65 | 1.00 | -1.78 | | 7.67 | -2.44 | 0.37 | 5.33 | 64.23X | 33.14 |

## Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 1.34 | 3.40 | 2.43 | 48.7 | 0.083 |
| Median Abs Dev | 0.20 | 0.31 | 0.35 | 1.6 | 0.054 |
| Avg Within Lab SD | 0.04 | 0.09 | 0.10 | 0.8 | 0.017 |
| Labs Included | 8 | 8 | 9 | 9 | 6 |
| Labs Reporting | 9 | 9 | 9 | 9 | 7 |

## Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Mult-Element Property Groups

Data units: g/cm3

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3WWADT | 1.32 | 1.04 | 1.27 | 1.08 | 0.94 | 1.57 | 1.55 | 1.02 | 1.16 | 1.31 | 0.50 | 0.18 | 1.30 | 0.88 | 2.38 |
| 44YNNM | 1.34 | 1.18 | 1.00 | 1.16 | 1.45 | 0.39 | 1.48 | 0.62 | 0.32 | 1.36 | 0.81 | 0.05 | 1.30 | 0.95 | 0.77 |
| 76U7PL | 1.01 | -1.20 | 0.73 | 0.83 | -0.71 | 1.31 | 1.22 | -0.85 | 0.74 | 1.08 | -1.05 | 0.04 | 1.02 | -1.37 | 0.56 |
| 86VF6P | 1.11 | -0.47 | 0.21 | 0.85 | -0.57 | 0.51 | 1.45 | 0.45 | 1.04 | 1.54 | 1.99 | 3.30 | 1.16 | -0.20 | 1.35 |
| FZPP8A | 1.28 | 0.75 | 1.71 | 1.08 | 0.97 | 0.27 | 1.51 | 0.81 | 2.36 | 1.32 | 0.54 | 0.10 | 1.26 | 0.59 | 0.45 |
| GZQVCB | 1.07 | -0.81 | 0.24 | 0.80 | -0.95 | 0.30 | 1.22 | -0.90 | 0.35 | 1.12 | -0.81 | 0.03 | 1.09 | -0.81 | 0.36 |
| H6FRD8 | 1.08 | -0.69 | 2.13 | 0.92 | -0.12 | 1.78 | 1.26 | -0.66 | 1.16 | 1.19 | -0.34 | 0.23 | 1.14 | -0.38 | 1.09 |
| M6MR24 | 1.24 | 0.44 | 0.00 | 1.16 | 1.47 | 1.57 | 1.48 | 0.63 | 0.00 | 1.38 | 0.97 | 0.03 | 1.36 | 1.37 | 0.36 |
| MZQUN7 | 1.10 | -0.59 | 0.48 | 0.89 | -0.29 | 0.34 | 1.20 | -0.99 | 0.76 | 1.11 | -0.83 | 0.03 | 1.07 | -0.94 | 0.63 |
| NZLU2B | 1.18 | 0.00 |  | 0.94 | 0.00 |  | 1.37 | 0.00 |  | 1.22 | -0.12 |  | 1.22 | 0.23 |  |
| UNBDWZ | 4.39 | 23.12X | 0.42 | 3.68 | 18.17X | 0.91 | 5.18 | 22.08X | 1.53 | 4.59 | 22.35X | 0.06 | 4.45 | 26.35X | 0.96 |
| XYHBJR | 1.20 | 0.13 | 0.06 | 0.99 | 0.35 | 0.24 | 1.34 | -0.18 | 0.31 | 1.24 | 0.00 | 0.00 | 1.19 | 0.00 | 0.76 |
| Y2X9YT | 1.05 | -0.95 | 0.24 | 0.90 | -0.27 | 0.68 | 1.27 | -0.60 | 0.44 | 1.14 | -0.66 | 0.00 | 1.10 | -0.70 | 0.00 |
| ZTKTVQ | 1.25 | 0.52 |  | 1.04 | 0.68 |  | 1.55 | 1.06 |  | 1.26 | 0.15 |  | 1.23 | 0.34 |  |

## Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Mult-Element Property Groups

Data units: g/cm3

|  | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|------|------|------|------|------|
| Grand Median | 1.18 | 0.94 | 1.37 | 1.24 | 1.19 |
| Median Abs Dev | 0.10 | 0.10 | 0.11 | 0.10 | 0.09 |
| Avg Within Lab SD | 0.02 | 0.02 | 0.01 | 0.18 | 0.02 |
| Labs Included | 13 | 13 | 13 | 13 | 13 |
| Labs Reporting | 14 | 14 | 14 | 14 | 14 |

**Mehlich-3, P  Colorimetric (SubTestCode 157) in the Mehlich-3 Mult-Element Property Groups**   Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EPDZY7 | 7.9 | -0.48 | 0.16 | 45.9 | 0.00 | 0.29 | 37.0 | -0.17 | 0.27 | 141.9 | -0.37 | 0.53 | 9.4 | 0.68 | 0.54 |
| EUTJ39 | 8.9 | 0.53 | 1.08 | 53.0 | 1.25 | 1.25 | 40.4 | 0.41 | 1.32 | 154.0 | 1.76 | 0.52 | 8.4 | 0.04 | 2.22 |
| KWX8YZ | 7.8 | -0.50 | 1.07 | 43.6 | -0.39 | 1.28 | 38.0 | 0.00 | 1.44 | 145.2 | 0.22 | 1.05 | 9.2 | 0.55 | 0.55 |
| TFKQ8P | 8.7 | 0.28 | 1.64 | 48.3 | 0.43 | 0.89 | 42.0 | 0.68 | 0.88 | 144.0 | 0.00 | 2.09 | 8.3 | 0.00 | 1.04 |
| VCB32Y | 8.4 | 0.00 | 1.10 | 43.7 | -0.38 | 1.67 | 30.1 | -1.33 | 1.41 | 141.7 | -0.41 | 0.92 | 6.3 | -1.30 | 0.52 |
| W4XJ8Q | 7.0 | -1.33 | 0.16 | 41.6 | -0.75 | 0.24 | 32.1 | -1.00 | 0.05 | 154.9 | 1.91 | 0.33 | 5.7 | -1.71 | 0.28 |
| XYHBJR | 10.1 | 1.61 | 0.86 | 54.5 | 1.51 | 0.27 | 44.7 | 1.13 | 0.57 | 143.7 | -0.06 | 0.17 | 7.6 | -0.45 | 0.19 |

**Mehlich-3, P  Colorimetric (SubTestCode 157) in the Mehlich-3 Mult-Element Property Groups**   Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 8.37 | 45.9 | 38.0 | 144.0 | 8.33 |
| Median Abs Dev | 0.53 | 2.5 | 4.0 | 2.1 | 0.85 |
| Avg Within Lab SD | 0.35 | 1.7 | 1.1 | 3.3 | 0.55 |
| Labs Included | 7 | 7 | 7 | 7 | 7 |
| Labs Reporting | 7 | 7 | 7 | 7 | 7 |

**Mehlich-3, P   ICP-AES (SubTestCode 158) in the Mehlich-3 Mult-Element Property Groups**      Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 9.3 | -0.20 | 0.54 | 67.5 | -0.25 | 0.34 | 60.3 | 0.71 | 1.29 | 173.0 | 0.29 | 1.28 | 9.1 | -0.33 | 0.51 |
| 72EX2L | 11.9 | 0.90 | 0.52 | 80.1 | 1.60 | 0.12 | 51.5 | -0.60 | 0.43 | 174.4 | 0.39 | 0.09 | 24.4 | 6.00**X** | 0.86 |
| 76U7PL | 4.6 | -2.22 | 0.62 | 57.4 | -1.74 | 0.36 | 51.0 | -0.68 | 0.44 | 160.9 | -0.56 | 0.21 | 8.4 | -0.58 | 0.55 |
| 7JU83M | 13.3 | 1.51 | 0.86 | 75.3 | 0.90 | 0.24 | 45.0 | -1.57 | 0.37 | 167.3 | -0.11 | 0.16 | 8.3 | -0.63 | 0.72 |
| 7NAFPM | 4.4 | -2.26 | 1.04 | 44.1 | -3.69**X** | 0.10 | 44.3 | -1.66 | 0.26 | 169.4 | 0.04 | 0.66 | 12.1 | 0.93 | 0.81 |
| 86VF6P | 9.5 | -0.13 | 0.07 | 71.1 | 0.27 | 0.15 | 64.4 | 1.32 | 0.60 | 178.0 | 0.64 | 0.27 | 10.5 | 0.26 | 0.25 |
| 8XAPAG | 8.4 | -0.58 | 0.00 | 74.4 | 0.76 | 0.03 | 60.4 | 0.71 | 0.11 | 186.4 | 1.23 | 0.02 | 8.2 | -0.67 | 0.09 |
| AG24CD | 10.5 | 0.31 | 0.15 | 72.3 | 0.46 | 0.21 | 57.3 | 0.25 | 0.03 | 161.3 | -0.53 | 0.41 | 10.2 | 0.12 | 0.18 |
| BBPT8N | 7.5 | -0.97 | 0.48 | 84.6 | 2.26 | 0.55 | 52.7 | -0.43 | 0.30 | 229.3 | 4.24**X** | 0.37 | 12.7 | 1.18 | 0.32 |
| BVW8T9 | 9.4 | -0.16 | 1.27 | 72.6 | 0.49 | 1.03 | 62.2 | 0.98 | 0.68 | 185.6 | 1.18 | 0.35 | 7.3 | -1.05 | 0.52 |
| D7MPC7 | 10.0 | 0.11 | 3.46 | 69.1 | -0.01 | 0.15 | 51.0 | -0.68 | 0.59 | 156.5 | -0.87 | 0.09 | 6.2 | -1.50 | 4.23 |
| DF9V4J | 11.6 | 0.79 | 0.97 | 68.7 | -0.08 | 0.71 | 58.3 | 0.40 | 0.65 | 177.3 | 0.59 | 0.39 | 10.6 | 0.29 | 0.94 |
| EN39TB | 9.7 | -0.05 | 0.49 | 62.8 | -0.95 | 0.76 | 44.7 | -1.61 | 0.91 | 151.0 | -1.25 | 1.17 | 4.0 | -2.43 | 0.50 |
| EPDZY7 | 8.7 | -0.47 | 0.37 | 67.7 | -0.22 | 0.19 | 53.7 | -0.27 | 0.19 | 167.7 | -0.08 | 0.26 | 9.8 | -0.01 | 0.38 |
| F673ZB | 8.0 | -0.75 | | 60.7 | -1.26 | 0.24 | 47.3 | -1.22 | 0.57 | 154.3 | -1.02 | 0.21 | 6.7 | -1.32 | 0.72 |
| FZPP8A | 10.2 | 0.19 | 2.37 | 68.8 | -0.06 | 4.41 | 59.1 | 0.53 | 2.46 | 161.6 | -0.51 | 3.00 | 9.9 | 0.01 | 1.33 |
| GRFTQA | 11.1 | 0.56 | 0.00 | 69.2 | -0.01 | 0.00 | 53.7 | -0.28 | 0.00 | 168.7 | -0.01 | 0.00 | 9.9 | 0.02 | 0.00 |
| GZQVCB | 10.4 | 0.27 | 1.68 | 69.8 | 0.08 | 0.62 | 62.9 | 1.08 | 0.25 | 174.9 | 0.42 | 0.19 | 11.1 | 0.50 | 0.45 |
| H6FRD8 | 11.5 | 0.74 | 0.07 | 64.6 | -0.69 | 0.90 | 59.4 | 0.57 | 0.70 | 179.5 | 0.75 | 0.42 | 10.9 | 0.44 | 0.14 |
| HH9DJ3 | 8.5 | -0.52 | 1.21 | 62.4 | -1.01 | 0.92 | 54.4 | -0.17 | 0.29 | 164.6 | -0.30 | 1.05 | 6.7 | -1.32 | 1.34 |
| JK7EW4 | 11.1 | 0.56 | 2.46 | 68.8 | -0.06 | 1.23 | 56.2 | 0.09 | 1.08 | 180.0 | 0.78 | 0.68 | 11.1 | 0.49 | 0.69 |
| K8FVRD | 6.0 | -1.59 | 0.44 | 73.2 | 0.59 | 0.08 | 52.5 | -0.46 | 0.06 | 180.8 | 0.84 | 0.06 | 10.2 | 0.12 | 0.16 |
| KF94C4 | 7.3 | -1.04 | 0.86 | 77.0 | 1.14 | 0.41 | 60.7 | 0.76 | 0.86 | 189.7 | 1.46 | 0.82 | 10.7 | 0.33 | 0.72 |
| KHEFJ7 | 10.1 | 0.14 | 0.15 | 65.5 | -0.55 | 0.06 | 57.9 | 0.35 | 0.09 | 167.7 | -0.08 | 0.21 | 8.2 | -0.69 | 0.33 |
| LLQW29 | 10.6 | 0.35 | 0.43 | 76.5 | 1.06 | 0.21 | 48.9 | -0.98 | 0.06 | 159.2 | -0.68 | 0.28 | 8.8 | -0.43 | 0.48 |
| M6MR24 | 9.8 | 0.00 | 0.17 | 84.3 | 2.21 | 0.63 | 57.6 | 0.31 | 4.18 | 160.3 | -0.60 | 3.83 | 10.7 | 0.33 | 2.62 |

**Mehlich-3, P   ICP-AES (SubTestCode 158) in the Mehlich-3 Mult-Element Property Groups**   Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| MRHAQ4 | 11.1 | 0.56 | 0.44 | 66.1 | -0.46 | 0.66 | 55.6 | 0.00 | 0.26 | 151.8 | -1.20 | 0.14 | 9.3 | -0.24 | 0.17 |
| MZQUN7 | 10.0 | 0.09 | | 69.3 | 0.01 | 0.24 | 58.7 | 0.46 | 0.22 | 169.0 | 0.01 | 0.40 | 10.3 | 0.19 | 0.72 |
| N79TKW | 12.3 | 1.08 | 0.86 | 80.3 | 1.63 | 0.24 | 64.7 | 1.35 | 0.43 | 169.0 | 0.01 | 0.13 | 7.0 | -1.18 | |
| NZLU2B | 8.0 | -0.75 | | 71.0 | 0.26 | | 61.6 | 0.90 | | 187.0 | 1.27 | | 10.3 | 0.18 | |
| PK3QU7 | 8.2 | -0.66 | 0.37 | 68.7 | -0.08 | 0.04 | 63.6 | 1.20 | 0.41 | 197.2 | 1.99 | 0.37 | 12.2 | 0.96 | 0.16 |
| QBRP96 | 15.3 | 2.33 | | 72.6 | 0.50 | | 48.7 | -1.02 | | 149.0 | -1.40 | | 16.3 | 2.67 | |
| TCJDUX | 10.8 | 0.42 | 0.75 | 64.3 | -0.72 | 0.15 | 56.1 | 0.08 | 0.17 | 175.5 | 0.46 | 0.11 | 11.2 | 0.53 | 0.22 |
| TFKQ8P | 11.5 | 0.71 | 0.32 | 76.1 | 1.01 | 0.21 | 60.8 | 0.78 | 0.77 | 168.5 | -0.02 | 0.52 | 7.6 | -0.93 | 1.14 |
| TZUE4V | 10.4 | 0.25 | 0.34 | 59.0 | -1.50 | 0.62 | 52.1 | -0.52 | 0.13 | 154.0 | -1.04 | 0.48 | 9.1 | -0.31 | 0.18 |
| UNBDWZ | 64.7 | 23.25**X** | 2.27 | 157.5 | 12.97**X** | 1.04 | 105.7 | 7.43**X** | 1.41 | 122.3 | -3.26**X** | 0.34 | 206.0 | 80.93**X** | 7.53 |
| WRZKDZ | 6.8 | -1.26 | 0.26 | 66.6 | -0.39 | 0.46 | 50.6 | -0.74 | 0.51 | 172.5 | 0.26 | 0.21 | 10.1 | 0.11 | 0.59 |
| XKUFTU | 9.2 | -0.24 | 0.00 | 71.7 | 0.35 | 0.01 | 58.3 | 0.41 | 0.05 | 194.1 | 1.77 | 0.03 | 10.8 | 0.38 | 0.00 |
| XR3PAN | 7.7 | -0.90 | 0.43 | 68.5 | -0.11 | 0.36 | 53.8 | -0.26 | 0.47 | 164.7 | -0.29 | 0.10 | 6.3 | -1.46 | 0.36 |
| XYHBJR | 11.7 | 0.80 | 0.70 | 66.0 | -0.47 | 0.27 | 54.6 | -0.14 | 0.38 | 172.0 | 0.22 | 0.13 | 9.3 | -0.24 | 0.34 |
| Y2X9YT | 9.5 | -0.14 | 0.32 | 70.8 | 0.23 | 0.60 | 47.9 | -1.14 | 0.62 | 160.2 | -0.61 | 0.21 | 7.1 | -1.13 | 0.08 |
| ZH6KBJ | 9.2 | -0.23 | 0.31 | 69.3 | 0.01 | 0.35 | 56.9 | 0.19 | 0.53 | 166.0 | -0.20 | 1.02 | 7.8 | -0.87 | 1.01 |
| ZTKTVQ | 8.1 | -0.72 | 0.86 | 80.4 | 1.65 | 3.39 | 47.8 | -1.15 | 2.71 | 188.5 | 1.38 | 2.67 | 11.8 | 0.80 | 1.12 |
| ZXH2CU | 10.9 | 0.49 | 0.64 | 67.5 | -0.26 | 0.11 | 55.4 | -0.02 | 0.07 | 154.9 | -0.98 | 0.66 | 9.5 | -0.14 | 0.45 |

**Mehlich-3, P   ICP-AES (SubTestCode 158) in the Mehlich-3 Mult-Element Property Groups**   Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 9.78 | 69.2 | 55.6 | 168.9 | 9.87 |
| **Median Abs Dev** | 1.31 | 3.3 | 4.1 | 8.5 | 1.20 |
| **Avg Within Lab SD** | 0.67 | 2.4 | 2.7 | 7.4 | 0.80 |
| **Labs Included** | 43 | 42 | 43 | 42 | 42 |
| **Labs Reporting** | 44 | 44 | 44 | 44 | 44 |

**Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Mult-Element Property Groups**

Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3WWADT | 82.3 | 0.73 | 2.74 | 110.0 | -0.06 | 1.77 | 266.3 | 0.51 | 1.84 | 349.7 | 0.83 | 1.07 | 241.3 | 1.22 | 1.96 |
| 72EX2L | 72.8 | -0.38 | 0.48 | 124.2 | 0.84 | 0.27 | 199.1 | -1.90 | 0.18 | 302.2 | -1.03 | 0.16 | 192.2 | -1.14 | 0.29 |
| 76U7PL | 75.3 | -0.09 | 0.56 | 106.8 | -0.27 | 0.92 | 256.5 | 0.16 | 0.40 | 328.1 | -0.02 | 0.13 | 220.1 | 0.20 | 0.65 |
| 7GNP4R | 342.7 | 30.87**X** | 13.99 | 134.2 | 1.48 | 3.55 | 98.2 | -5.53**X** | 1.59 | 142.8 | -7.29**X** | 0.33 | 227.4 | 0.55 | 0.19 |
| 7JU83M | 88.3 | 1.42 | 0.21 | 115.7 | 0.30 | 0.20 | 215.3 | -1.32 | 0.06 | 287.3 | -1.61 | 0.04 | 200.3 | -0.75 | 0.10 |
| 7NAFPM | 69.7 | -0.74 | 1.05 | 110.9 | 0.00 | 1.43 | 267.5 | 0.56 | 0.38 | 339.4 | 0.43 | 0.77 | 202.8 | -0.63 | 0.95 |
| 86VF6P | 78.8 | 0.32 | 0.20 | 104.7 | -0.40 | 0.54 | 302.7 | 1.82 | 0.88 | 358.3 | 1.17 | 0.23 | 219.7 | 0.18 | 0.68 |
| 8XAPAG | 72.5 | -0.41 | 0.05 | 104.0 | -0.45 | 0.11 | 249.4 | -0.10 | 0.02 | 328.5 | 0.00 | 0.06 | 213.4 | -0.12 | 0.02 |
| AG24CD | 76.1 | 0.00 | 1.38 | 101.3 | -0.62 | 0.78 | 251.6 | -0.02 | 0.25 | 329.8 | 0.05 | 0.58 | 205.1 | -0.52 | 1.77 |
| BBPT8N | 77.3 | 0.14 | 0.67 | 132.2 | 1.35 | 0.23 | 225.4 | -0.96 | 0.29 | 344.1 | 0.61 | 0.18 | 232.6 | 0.80 | 0.73 |
| BVW8T9 | 73.6 | -0.28 | 0.12 | 111.0 | 0.00 | 1.06 | 265.3 | 0.48 | 0.25 | 350.0 | 0.84 | 0.14 | 231.7 | 0.75 | 0.34 |
| D7MPC7 | 80.9 | 0.56 | 1.59 | 135.2 | 1.54 | 1.18 | 235.6 | -0.59 | 0.29 | 336.7 | 0.32 | 0.51 | 208.0 | -0.39 | 0.71 |
| DF9V4J | 91.3 | 1.77 | 1.26 | 131.7 | 1.32 | 0.74 | 253.3 | 0.05 | 0.27 | 327.3 | -0.04 | 0.08 | 213.7 | -0.11 | 0.10 |
| EN39TB | 69.3 | -0.78 | 1.26 | 115.3 | 0.28 | 0.89 | 218.3 | -1.21 | 1.13 | 300.1 | -1.11 | 1.23 | 206.0 | -0.48 | 3.15 |
| EPDZY7 | 68.5 | -0.88 | 0.20 | 101.8 | -0.59 | 0.31 | 248.7 | -0.12 | 0.10 | 328.6 | 0.01 | 0.07 | 231.7 | 0.75 | 0.14 |
| F673ZB | 67.0 | -1.05 | 0.36 | 95.3 | -1.00 | 0.20 | 236.3 | -0.57 | 0.38 | 314.7 | -0.54 | 0.30 | 182.0 | -1.63 | 0.44 |
| FZPP8A | 78.6 | 0.29 | 1.94 | 112.8 | 0.12 | 0.30 | 271.5 | 0.70 | 2.22 | 345.5 | 0.67 | 0.64 | 226.9 | 0.52 | 1.00 |
| GRFTQA | 70.6 | -0.63 | 0.00 | 106.3 | -0.30 | 0.00 | 251.8 | -0.01 | 0.00 | 327.5 | -0.04 | | 228.7 | 0.61 | 0.00 |
| GZQVCB | 75.4 | -0.08 | 0.64 | 112.0 | 0.06 | 0.43 | 260.6 | 0.31 | 0.15 | 352.4 | 0.94 | 0.10 | 226.7 | 0.51 | 0.74 |
| H6FRD8 | 94.6 | 2.15 | 0.33 | 132.1 | 1.35 | 0.25 | 296.8 | 1.61 | 0.18 | 409.9 | 3.20**X** | 0.12 | 244.4 | 1.36 | 0.16 |
| K8FVRD | 79.0 | 0.34 | 0.20 | 130.5 | 1.24 | 0.39 | 222.7 | -1.06 | 0.28 | 328.0 | -0.02 | 0.45 | 221.0 | 0.24 | 0.57 |
| KF94C4 | 89.3 | 1.54 | 1.62 | 133.7 | 1.44 | 1.67 | 262.3 | 0.37 | 1.45 | 376.7 | 1.89 | 0.47 | 247.0 | 1.49 | 1.18 |
| KHEFJ7 | 78.5 | 0.29 | 0.27 | 109.7 | -0.08 | 0.41 | 265.3 | 0.48 | 0.17 | 347.0 | 0.73 | 0.19 | 222.3 | 0.30 | 0.35 |
| KWX8YZ | 74.0 | -0.24 | 0.72 | 107.3 | -0.23 | 1.64 | 253.0 | 0.03 | 0.94 | 327.7 | -0.03 | 0.47 | 210.0 | -0.29 | 0.34 |
| LLQW29 | 69.6 | -0.75 | 0.46 | 126.6 | 1.00 | 0.16 | 215.9 | -1.30 | 0.26 | 312.1 | -0.64 | 0.25 | 203.6 | -0.60 | 1.02 |
| M6MR24 | 82.8 | 0.78 | 0.50 | 149.5 | 2.45 | 0.52 | 214.0 | -1.37 | 3.82 | 324.6 | -0.15 | 3.37 | 329.1 | 5.43**X** | 2.03 |

**Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Mult-Element Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MRHAQ4 | 74.0 | -0.23 | 0.12 | 105.6 | -0.34 | 0.68 | 252.1 | 0.00 | 0.19 | 320.6 | -0.31 | 0.21 | 200.7 | -0.73 | 0.32 |
| MZQUN7 | 76.0 | -0.01 | 0.72 | 110.0 | -0.06 | 0.35 | 261.3 | 0.33 | 0.31 | 342.3 | 0.54 | 0.34 | 216.0 | 0.00 | 0.77 |
| N79TKW | 70.7 | -0.62 | 0.83 | 100.3 | -0.68 | 0.41 | 246.3 | -0.21 | 0.44 | 319.0 | -0.37 | 0.14 | 212.0 | -0.19 | 0.44 |
| NZLU2B | 89.7 | 1.58 | | 131.0 | 1.27 | | 298.0 | 1.65 | | 401.0 | 2.85 | | 253.0 | 1.78 | |
| PK3QU7 | 79.3 | 0.38 | 0.37 | 126.0 | 0.96 | 0.57 | 258.9 | 0.25 | 0.43 | 335.9 | 0.29 | 0.16 | 215.8 | -0.01 | 0.30 |
| QBRP96 | 63.7 | -1.43 | | 118.0 | 0.45 | | 210.0 | -1.51 | | 294.0 | -1.35 | | 201.0 | -0.72 | |
| TCJDUX | 81.7 | 0.65 | 1.77 | 126.9 | 1.01 | 0.88 | 253.6 | 0.06 | 1.02 | 369.8 | 1.62 | 0.29 | 224.2 | 0.39 | 0.40 |
| TFKQ8P | 77.7 | 0.19 | 2.31 | 108.3 | -0.17 | 1.24 | 283.0 | 1.11 | 1.84 | 322.0 | -0.25 | 0.68 | 216.0 | 0.00 | 2.87 |
| TZUE4V | 68.5 | -0.88 | 0.18 | 102.7 | -0.53 | 1.22 | 249.3 | -0.10 | 0.22 | 316.7 | -0.46 | 0.62 | 201.3 | -0.70 | 0.35 |
| UNBDWZ | 321.3 | 28.40X | 2.79 | 335.7 | 14.31X | 1.95 | 297.0 | 1.61 | 0.66 | 556.3 | 8.94X | 0.41 | 833.0 | 29.63X | 0.73 |
| WRZKDZ | 80.2 | 0.48 | 0.53 | 114.8 | 0.24 | 0.27 | 259.6 | 0.27 | 0.45 | 345.5 | 0.67 | 0.86 | 262.7 | 2.24 | 1.12 |
| XKUFTU | 85.8 | 1.13 | 0.00 | 105.2 | -0.37 | 0.06 | 251.5 | -0.02 | 0.01 | 367.6 | 1.53 | 0.02 | 231.6 | 0.75 | 0.00 |
| XR3PAN | 66.7 | -1.09 | 0.21 | 95.3 | -1.00 | 1.47 | 222.5 | -1.06 | 0.67 | 295.5 | -1.29 | 0.12 | 187.5 | -1.37 | 0.59 |
| XYHBJR | 76.0 | 0.00 | 0.13 | 108.0 | -0.19 | 0.61 | 236.3 | -0.57 | 0.17 | 323.0 | -0.21 | 0.14 | 206.0 | -0.48 | 0.17 |
| Y2X9YT | 67.8 | -0.95 | 0.59 | 125.5 | 0.92 | 0.99 | 213.9 | -1.37 | 1.01 | 320.3 | -0.32 | 0.27 | 197.8 | -0.88 | 0.56 |
| ZH6KBJ | 66.6 | -1.10 | 1.09 | 107.0 | -0.25 | 0.72 | 254.4 | 0.08 | 0.56 | 328.6 | 0.01 | 1.31 | 225.1 | 0.44 | 1.30 |
| ZTKTVQ | 83.1 | 0.82 | 1.43 | 133.3 | 1.42 | 0.91 | 219.7 | -1.16 | 2.12 | 369.2 | 1.60 | 4.17 | 233.0 | 0.82 | 1.06 |
| ZXH2CU | 77.4 | 0.15 | 0.84 | 105.4 | -0.36 | 1.00 | 253.7 | 0.06 | 0.04 | 322.6 | -0.23 | 0.50 | 201.9 | -0.68 | 0.97 |

**Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Mult-Element Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 76.1 | 111.0 | 252.1 | 328.5 | 216.0 |
| **Median Abs Dev** | 5.4 | 7.0 | 14.3 | 13.8 | 12.5 |
| **Avg Within Lab SD** | 2.8 | 2.8 | 9.3 | 14.0 | 5.9 |
| **Labs Included** | 42 | 43 | 43 | 41 | 42 |
| **Labs Reporting** | 44 | 44 | 44 | 44 | 44 |

**Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Mult-Element Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3WWADT | 544.7 | 0.56 | 3.73 | 1,234.3 | -0.02 | 3.29 | 846.0 | 0.31 | 2.23 | 3,036.7 | 0.52 | 1.97 | 10,021.0 | -0.61 | 1.77 |
| 72EX2L | 405.9 | -0.80 | 0.22 | 1,238.1 | 0.00 | 0.05 | 571.2 | -1.72 | 0.02 | 2,638.1 | -0.67 | 0.54 | 13,153.8 | 0.99 | 0.02 |
| 76U7PL | 519.3 | 0.31 | 0.54 | 1,238.4 | 0.01 | 1.18 | 854.4 | 0.37 | 0.39 | 3,108.3 | 0.73 | 0.25 | 9,474.8 | -0.88 | 0.21 |
| 7GNP4R | 1,094.5 | 5.94**X** | 0.34 | 1,678.3 | 2.64 | 1.82 | 1,080.1 | 2.04 | 4.64 | 1,747.1 | -3.33**X** | 1.91 | 1,969.4 | -4.70**X** | 0.38 |
| 7JU83M | 493.7 | 0.06 | 0.05 | 1,191.0 | -0.28 | 0.05 | 724.0 | -0.59 | 0.02 | 2,866.3 | 0.01 | 0.02 | 11,081.3 | -0.07 | 0.01 |
| 7NAFPM | 543.0 | 0.54 | 1.56 | 1,291.1 | 0.32 | 1.48 | 843.4 | 0.29 | 0.21 | 3,240.8 | 1.12 | 0.80 | 13,898.2 | 1.37 | 0.83 |
| 86VF6P | 471.0 | -0.16 | 0.12 | 1,155.0 | -0.49 | 0.28 | 885.7 | 0.60 | 0.30 | 2,938.0 | 0.22 | 0.38 | 10,162.7 | -0.53 | 0.22 |
| AG24CD | 481.5 | -0.06 | 0.40 | 1,195.8 | -0.25 | 0.75 | 861.2 | 0.42 | 0.45 | 2,919.0 | 0.16 | 0.61 | 7,423.2 | -1.93 | 0.00 |
| BBPT8N | 974.2 | 4.76**X** | 0.47 | 1,447.6 | 1.26 | 0.67 | 589.3 | -1.58 | 0.06 | 3,304.4 | 1.31 | 0.28 | 12,605.9 | 0.71 | 0.11 |
| BVW8T9 | 484.3 | -0.03 | 0.30 | 1,236.7 | 0.00 | 1.05 | 822.3 | 0.14 | 0.31 | 2,687.7 | -0.52 | 0.45 | 4,536.7 | -3.39**X** | 1.00 |
| D7MPC7 | 465.3 | -0.22 | 0.85 | 1,378.3 | 0.84 | 1.43 | 686.8 | -0.86 | 0.43 | 2,826.0 | -0.11 | 0.54 | 12,770.7 | 0.79 | 2.03 |
| DF9V4J | 624.3 | 1.34 | 0.91 | 1,438.0 | 1.20 | 0.31 | 1,003.3 | 1.47 | 1.26 | 3,168.7 | 0.91 | 0.42 | 13,156.7 | 0.99 | 0.29 |
| EN39TB | 402.5 | -0.83 | 0.86 | 1,296.7 | 0.36 | 0.42 | 642.5 | -1.19 | 0.41 | 2,567.2 | -0.88 | 0.95 | 11,271.3 | 0.03 | 0.98 |
| EPDZY7 | 461.1 | -0.26 | 0.12 | 1,142.9 | -0.57 | 0.25 | 735.3 | -0.51 | 0.03 | 2,784.2 | -0.24 | 0.04 | 15,024.2 | 1.94 | 1.05 |
| F673ZB | 449.3 | -0.37 | 0.20 | 1,107.3 | -0.78 | 0.19 | 738.7 | -0.48 | 0.04 | 2,802.0 | -0.18 | 0.07 | 11,693.7 | 0.25 | 0.10 |
| FZPP8A | 424.3 | -0.62 | 0.79 | 1,262.2 | 0.15 | 2.16 | 799.4 | -0.03 | 0.31 | 3,174.0 | 0.92 | 2.09 | 12,071.7 | 0.44 | 1.76 |
| GRFTQA | 479.3 | -0.08 | 0.00 | 1,203.7 | -0.20 | 0.00 | 813.7 | 0.07 | 0.00 | 2,861.1 | -0.01 | 0.00 | 12,816.1 | 0.82 | 0.00 |
| GZQVCB | 710.2 | 2.18 | 0.74 | 1,205.0 | -0.19 | 0.27 | 845.4 | 0.31 | 0.35 | 2,951.6 | 0.26 | 0.60 | 11,643.7 | 0.22 | 0.23 |
| H6FRD8 | 746.8 | 2.54 | 0.71 | 1,427.0 | 1.14 | 0.36 | 987.9 | 1.36 | 0.91 | 3,293.3 | 1.28 | 0.25 | 9,248.0 | -1.00 | 0.13 |
| K8FVRD | 572.4 | 0.83 | 0.19 | 1,633.9 | 2.37 | 0.20 | 752.8 | -0.38 | 0.26 | 3,303.5 | 1.31 | 0.14 | 10,734.0 | -0.24 | 0.89 |
| KF94C4 | 553.7 | 0.65 | 0.73 | 1,436.7 | 1.19 | 0.88 | 808.3 | 0.03 | 0.93 | 3,174.0 | 0.92 | 0.68 | 9,655.0 | -0.79 | 0.96 |
| KHEFJ7 | 476.7 | -0.11 | 0.09 | 1,145.0 | -0.55 | 0.15 | 805.3 | 0.01 | 0.06 | 2,821.7 | -0.13 | 0.04 | 11,838.3 | 0.32 | 0.07 |
| KWX8YZ | 501.0 | 0.13 | 0.50 | 1,186.7 | -0.30 | 0.31 | 814.7 | 0.08 | 0.38 | 2,814.3 | -0.15 | 0.25 | 11,856.0 | 0.33 | 1.15 |
| LLQW29 | 433.8 | -0.53 | 0.21 | 1,310.7 | 0.44 | 0.15 | 634.3 | -1.25 | 0.09 | 2,610.0 | -0.76 | 0.15 | 10,305.3 | -0.46 | 0.85 |
| M6MR24 | 612.8 | 1.22 | 2.20 | 1,449.2 | 1.27 | 0.83 | 756.7 | -0.35 | 1.93 | 2,764.7 | -0.30 | 3.02 | 9,875.1 | -0.68 | 1.06 |
| MRHAQ4 | 748.7 | 2.55 | 0.56 | 1,190.0 | -0.28 | 0.49 | 979.7 | 1.30 | 0.28 | 2,704.0 | -0.48 | 0.39 | 7,382.6 | -1.95 | 0.03 |

## Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MZQUN7 | 473.7 | -0.14 | 0.68 | 1,206.3 | -0.19 | 0.31 | 783.7 | -0.15 | 0.16 | 2,923.0 | 0.18 | 0.67 | 10,541.7 | -0.34 | 0.32 |
| N79TKW | 619.0 | 1.29 | 0.72 | 1,508.3 | 1.62 | 1.87 | 1,042.7 | 1.76 | 0.16 | 3,376.3 | 1.53 | 0.72 | 20,415.0 | 4.68X | 0.31 |
| NZLU2B | 518.0 | 0.30 | | 1,270.0 | 0.20 | | 857.0 | 0.39 | | 3,760.0 | 2.67 | | 12,000.0 | 0.40 | |
| PK3QU7 | 452.3 | -0.35 | 0.45 | 1,211.3 | -0.16 | 0.90 | 753.0 | -0.37 | 0.37 | 2,943.2 | 0.24 | 0.13 | 11,548.4 | 0.17 | 0.14 |
| QBRP96 | 400.0 | -0.86 | | 1,270.0 | 0.20 | | 633.0 | -1.26 | | 2,540.0 | -0.96 | | 8,830.0 | -1.21 | |
| TCJDUX | 522.0 | 0.34 | 0.96 | 1,287.8 | 0.30 | 0.26 | 816.8 | 0.10 | 0.51 | 3,050.3 | 0.56 | 0.21 | 8,736.7 | -1.26 | 0.27 |
| TFKQ8P | 707.7 | 2.15 | 1.40 | 1,157.3 | -0.48 | 0.37 | 914.3 | 0.82 | 0.51 | 2,734.0 | -0.39 | 0.52 | 13,213.7 | 1.02 | 2.20 |
| TZUE4V | 460.0 | -0.27 | 0.31 | 1,140.7 | -0.58 | 0.29 | 802.3 | -0.01 | 0.26 | 2,765.0 | -0.29 | 0.27 | 10,246.3 | -0.49 | 0.18 |
| UNBDWZ | 3,381.7 | 28.32X | 0.52 | 2,435.3 | 7.17X | 1.90 | 5,384.0 | 33.80X | 0.95 | 3,458.3 | 1.77 | 1.01 | 3,562.7 | -3.89X | 0.13 |
| WRZKDZ | 506.8 | 0.19 | 0.72 | 1,117.8 | -0.72 | 1.00 | 788.1 | -0.12 | 0.43 | 2,860.3 | -0.01 | 0.89 | 12,094.7 | 0.45 | 0.69 |
| XR3PAN | 455.0 | -0.32 | 1.23 | 974.8 | -1.57 | 1.11 | 718.3 | -0.63 | 0.35 | 2,512.5 | -1.05 | 0.45 | 10,898.2 | -0.16 | 2.19 |
| Y2X9YT | 422.4 | -0.64 | 0.36 | 1,330.8 | 0.56 | 0.65 | 626.9 | -1.31 | 0.60 | 2,818.2 | -0.14 | 0.30 | 9,679.8 | -0.78 | 0.23 |
| ZH6KBJ | 352.0 | -1.33 | 0.38 | 992.6 | -1.47 | 0.29 | 675.1 | -0.95 | 0.30 | 2,465.3 | -1.19 | 1.06 | 10,926.7 | -0.14 | 1.30 |
| ZTKTVQ | 534.7 | 0.46 | 1.21 | 1,525.2 | 1.72 | 1.04 | 668.0 | -1.00 | 1.14 | 3,447.2 | 1.74 | 3.36 | 11,211.5 | 0.00 | 2.00 |
| ZXH2CU | 490.9 | 0.03 | 1.03 | 1,219.4 | -0.11 | 0.62 | 853.3 | 0.37 | 0.41 | 2,804.4 | -0.18 | 0.67 | 11,638.8 | 0.22 | 0.83 |

## Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 487.6 | 1,237.4 | 803.8 | 2,863.7 | 11,211.5 |
| Median Abs Dev | 42.7 | 76.7 | 61.3 | 174.5 | 1,048.9 |
| Avg Within Lab SD | 24.0 | 34.3 | 47.4 | 108.6 | 433.8 |
| Labs Included | 38 | 40 | 40 | 40 | 37 |
| Labs Reporting | 41 | 41 | 41 | 41 | 41 |

**Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Mult-Element Property Groups**    **Data units: mg/kg**

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3WWADT | 169.3 | 1.28 | 3.26 | 279.7 | 0.00 | 1.94 | 131.0 | 0.43 | 2.03 | 401.7 | 0.75 | 2.48 | 690.7 | 0.01 | 3.79 |
| 72EX2L | 145.7 | -0.12 | 0.49 | 329.3 | 1.33 | 0.18 | 91.0 | -1.44 | 0.06 | 355.1 | -0.47 | 0.07 | 761.3 | 1.27 | 0.19 |
| 76U7PL | 142.6 | -0.30 | 0.58 | 260.3 | -0.52 | 1.15 | 117.3 | -0.21 | 0.46 | 368.8 | -0.11 | 0.20 | 631.5 | -1.05 | 0.34 |
| 7GNP4R | 283.2 | 8.00**X** | 0.80 | 248.6 | -0.83 | 2.50 | 169.5 | 2.22 | 3.60 | 354.6 | -0.49 | 0.52 | 385.0 | -5.47**X** | 0.21 |
| 7JU83M | 159.3 | 0.69 | 0.11 | 262.3 | -0.47 | 0.46 | 122.7 | 0.04 | 0.11 | 332.7 | -1.06 | 0.10 | 674.3 | -0.29 | 0.03 |
| 7NAFPM | 159.0 | 0.67 | 1.07 | 291.6 | 0.32 | 1.32 | 133.0 | 0.52 | 0.07 | 405.7 | 0.86 | 0.78 | 778.7 | 1.58 | 1.53 |
| 86VF6P | 146.3 | -0.08 | 0.11 | 260.3 | -0.52 | 0.20 | 129.3 | 0.35 | 0.59 | 384.3 | 0.29 | 0.54 | 694.3 | 0.07 | 0.47 |
| AG24CD | 157.1 | 0.56 | 0.34 | 273.9 | -0.15 | 0.63 | 138.6 | 0.78 | 0.19 | 381.1 | 0.21 | 0.23 | 694.0 | 0.07 | 0.35 |
| BBPT8N | 114.8 | -1.94 | 0.10 | 334.2 | 1.46 | 0.57 | 85.4 | -1.70 | 0.09 | 323.5 | -1.30 | 0.19 | 668.6 | -0.39 | 0.69 |
| BVW8T9 | 146.4 | -0.07 | 0.76 | 277.0 | -0.07 | 0.80 | 127.8 | 0.28 | 0.25 | 387.1 | 0.37 | 0.05 | 677.6 | -0.23 | 0.42 |
| D7MPC7 | 147.4 | -0.02 | 0.79 | 363.0 | 2.24 | 1.41 | 104.6 | -0.80 | 0.65 | 373.6 | 0.01 | 0.29 | 777.6 | 1.56 | 1.89 |
| DF9V4J | 194.3 | 2.76**X** | 1.38 | 338.0 | 1.57 | 0.78 | 171.3 | 2.30 | 0.87 | 426.7 | 1.41 | 0.54 | 729.0 | 0.69 | 0.72 |
| EN39TB | 129.9 | -1.05 | 0.98 | 296.8 | 0.46 | 1.73 | 96.6 | -1.18 | 0.66 | 338.1 | -0.92 | 0.68 | 688.5 | -0.03 | 0.68 |
| EPDZY7 | 135.2 | -0.73 | 0.17 | 259.7 | -0.54 | 0.38 | 114.8 | -0.33 | 0.08 | 362.3 | -0.28 | 0.06 | 788.3 | 1.76 | 0.45 |
| F673ZB | 136.3 | -0.67 | 0.41 | 246.7 | -0.89 | 0.33 | 104.3 | -0.82 | 0.29 | 342.0 | -0.82 | 0.17 | 701.3 | 0.20 | 0.27 |
| FZPP8A | 149.1 | 0.09 | 0.99 | 262.3 | -0.47 | 1.28 | 121.1 | -0.04 | 0.97 | 395.4 | 0.59 | 1.39 | 713.6 | 0.42 | 1.94 |
| GRFTQA | 147.6 | 0.00 | 0.00 | 272.7 | -0.19 | 0.00 | 128.3 | 0.30 | 0.00 | 372.6 | -0.01 | 0.00 | 721.3 | 0.56 | 0.00 |
| GZQVCB | 153.1 | 0.32 | 0.14 | 282.5 | 0.08 | 0.75 | 129.5 | 0.36 | 0.11 | 381.8 | 0.23 | 0.11 | 702.2 | 0.21 | 0.37 |
| H6FRD8 | 175.7 | 1.65 | 1.32 | 312.7 | 0.88 | 0.60 | 145.0 | 1.08 | 1.07 | 442.9 | 1.83 | 0.26 | 666.5 | -0.43 | 0.51 |
| K8FVRD | 139.7 | -0.47 | 0.13 | 324.0 | 1.19 | 0.06 | 89.0 | -1.53 | 0.19 | 323.7 | -1.30 | 0.09 | 619.8 | -1.26 | 0.16 |
| KF94C4 | 173.3 | 1.52 | 1.34 | 336.0 | 1.51 | 1.82 | 123.3 | 0.07 | 1.22 | 419.7 | 1.22 | 0.50 | 730.0 | 0.71 | 0.90 |
| KHEFJ7 | 161.3 | 0.81 | 0.30 | 260.0 | -0.53 | 0.22 | 128.3 | 0.30 | 0.22 | 372.0 | -0.03 | 0.13 | 639.7 | -0.91 | 0.14 |
| KWX8YZ | 141.7 | -0.35 | 0.99 | 273.3 | -0.17 | 1.36 | 119.7 | -0.10 | 1.06 | 392.3 | 0.50 | 0.37 | 753.0 | 1.12 | 0.69 |
| LLQW29 | 135.8 | -0.70 | 0.42 | 302.8 | 0.62 | 0.07 | 96.2 | -1.20 | 0.16 | 338.1 | -0.92 | 0.17 | 658.8 | -0.56 | 0.53 |
| M6MR24 | 145.1 | -0.15 | 0.58 | 325.5 | 1.23 | 0.60 | 112.9 | -0.42 | 2.18 | 356.6 | -0.43 | 2.81 | 620.6 | -1.25 | 0.97 |
| MRHAQ4 | 165.1 | 1.03 | 0.64 | 283.0 | 0.09 | 0.90 | 142.9 | 0.98 | 0.16 | 377.3 | 0.11 | 0.11 | 711.0 | 0.37 | 1.11 |

**Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Mult-Element Property Groups** — Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| MZQUN7 | 149.3 | 0.10 | 0.97 | 273.7 | -0.16 | 0.20 | 118.0 | -0.18 | 0.19 | 375.0 | 0.05 | 0.40 | 663.3 | -0.48 | 0.75 |
| N79TKW | 147.7 | 0.00 | 0.41 | 274.0 | -0.15 | 0.72 | 123.7 | 0.08 | 0.29 | 385.0 | 0.31 | 0.46 | 871.3 | 3.24X | 0.33 |
| NZLU2B | 160.0 | 0.73 | | 301.0 | 0.57 | | 131.0 | 0.43 | | 414.0 | 1.07 | | 768.0 | 1.39 | |
| PK3QU7 | 154.1 | 0.38 | 0.23 | 305.0 | 0.68 | 0.76 | 123.1 | 0.06 | 0.40 | 385.5 | 0.33 | 0.09 | 689.8 | -0.01 | 0.51 |
| QBRP96 | 135.3 | -0.73 | | 301.4 | 0.58 | | 101.2 | -0.96 | | 342.1 | -0.81 | | 654.5 | -0.64 | |
| TCJDUX | 164.3 | 0.98 | 1.65 | 300.7 | 0.56 | 1.06 | 119.4 | -0.11 | 0.25 | 419.8 | 1.23 | 1.09 | 629.7 | -1.09 | 0.52 |
| TFKQ8P | 151.3 | 0.22 | 1.26 | 272.7 | -0.19 | 0.74 | 138.0 | 0.75 | 1.76 | 371.3 | -0.05 | 0.78 | 756.7 | 1.19 | 0.78 |
| TZUE4V | 134.0 | -0.80 | 0.71 | 247.7 | -0.86 | 0.79 | 116.0 | -0.27 | 0.38 | 343.0 | -0.79 | 0.06 | 613.0 | -1.38 | 0.21 |
| UNBDWZ | 434.0 | 16.89X | 3.03 | 591.7 | 8.37X | 2.20 | 724.3 | 28.05X | 3.22 | 1,099.3 | 19.07X | 3.73 | 519.2 | -3.07X | 1.61 |
| WRZKDZ | 162.3 | 0.86 | 0.53 | 276.3 | -0.09 | 0.86 | 128.6 | 0.32 | 0.52 | 321.2 | -1.36 | 0.96 | 680.8 | -0.17 | 1.25 |
| XR3PAN | 131.3 | -0.97 | 0.34 | 241.5 | -1.02 | 0.59 | 113.2 | -0.41 | 0.89 | 344.3 | -0.76 | 0.37 | 716.5 | 0.47 | 0.43 |
| Y2X9YT | 132.2 | -0.91 | 0.41 | 309.1 | 0.79 | 0.74 | 93.5 | -1.32 | 0.68 | 351.8 | -0.56 | 0.23 | 651.8 | -0.69 | 0.35 |
| ZH6KBJ | 113.8 | -1.99 | 0.51 | 239.5 | -1.08 | 0.32 | 101.4 | -0.95 | 0.53 | 315.3 | -1.52 | 1.16 | 667.8 | -0.40 | 0.87 |
| ZTKTVQ | 166.2 | 1.09 | 2.45 | 351.1 | 1.92 | 1.68 | 98.9 | -1.07 | 1.88 | 431.2 | 1.53 | 3.82 | 725.7 | 0.64 | 0.79 |
| ZXH2CU | 157.9 | 0.61 | 1.34 | 279.7 | 0.00 | 0.67 | 128.6 | 0.31 | 0.08 | 376.5 | 0.09 | 0.20 | 685.7 | -0.08 | 0.63 |

**Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Mult-Element Property Groups** — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 147.6 | 279.7 | 121.9 | 373.1 | 690.3 |
| **Median Abs Dev** | 11.5 | 20.5 | 9.1 | 21.8 | 31.3 |
| **Avg Within Lab SD** | 5.1 | 7.7 | 5.2 | 15.5 | 17.4 |
| **Labs Included** | 38 | 40 | 40 | 40 | 38 |
| **Labs Reporting** | 41 | 41 | 41 | 41 | 41 |

**Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Mult-Element Property Groups**

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 9.7 | -0.10 | 1.45 | 23.4 | -0.18 | 1.05 | 24.1 | -0.05 | 1.61 | 30.2 | 0.34 | 1.16 | 17.9 | -0.36 | 0.48 |
| 72EX2L | 5.6 | -0.81 | 0.01 | 22.2 | -0.35 | 0.36 | 16.0 | -1.28 | 0.07 | 24.0 | -0.83 | 0.24 | 15.9 | -0.66 | 0.07 |
| 76U7PL | 10.0 | -0.06 | 0.64 | 21.0 | -0.53 | 0.27 | 24.3 | -0.01 | 0.05 | 25.8 | -0.47 | 0.55 | 23.6 | 0.48 | 3.21 |
| 7GNP4R | 35.0 | 4.25X | 2.34 | 45.1 | 3.01 | 2.67 | 26.0 | 0.24 | 0.91 | 22.7 | -1.07 | 0.92 | 31.9 | 1.73 | 1.63 |
| 7NAFPM | 16.0 | 0.98 | 0.03 | 29.4 | 0.70 | 1.21 | 30.6 | 0.95 | 0.81 | 33.7 | 1.00 | 0.25 | 25.1 | 0.71 | 0.41 |
| 86VF6P | 3.2 | -1.23 | 0.03 | 16.6 | -1.18 | 0.16 | 19.9 | -0.69 | 0.28 | 23.4 | -0.93 | 0.08 | 13.1 | -1.09 | 0.02 |
| AG24CD | 13.2 | 0.51 | 0.13 | 26.4 | 0.26 | 0.07 | 26.8 | 0.37 | 0.44 | 30.3 | 0.36 | 0.17 | 21.5 | 0.17 | 0.18 |
| BBPT8N | 77.3 | 11.56X | 0.93 | 132.2 | 15.83X | 0.41 | 225.4 | 30.70X | 1.36 | 344.1 | 58.94X | 1.16 | 232.6 | 31.71X | 1.57 |
| BVW8T9 | 15.0 | 0.81 | 0.18 | 27.5 | 0.42 | 0.72 | 35.2 | 1.65 | 2.48 | 31.8 | 0.63 | 1.19 | 21.8 | 0.21 | 0.55 |
| D7MPC7 | 30.1 | 3.42 | 3.78 | 59.0 | 5.06X | 2.74 | 46.1 | 3.31X | 7.35 | 47.6 | 3.59X | 4.46 | 35.6 | 2.28 | 1.93 |
| DF9V4J | 11.6 | 0.23 | 0.34 | 28.0 | 0.50 | 0.11 | 28.0 | 0.55 | 0.71 | 32.6 | 0.78 | 0.80 | 23.0 | 0.40 | 0.16 |
| EN39TB | 3.0 | -1.26 | 0.19 | 18.4 | -0.92 | 0.25 | 14.6 | -1.50 | 0.37 | 19.7 | -1.63 | 0.44 | 10.9 | -1.41 | 0.44 |
| EPDZY7 | 10.3 | 0.00 | 0.23 | 23.0 | -0.25 | 0.14 | 25.0 | 0.09 | 0.15 | 27.4 | -0.19 | 0.13 | 21.3 | 0.15 | 0.02 |
| F673ZB | 5.7 | -0.80 | 0.29 | 22.0 | -0.39 | 0.62 | 23.3 | -0.16 | 0.30 | 30.3 | 0.36 | 0.27 | 15.0 | -0.80 | 0.36 |
| FZPP8A | 14.0 | 0.63 | 0.87 | 24.6 | 0.00 | 0.79 | 25.7 | 0.20 | 1.03 | 29.0 | 0.12 | 1.15 | 19.5 | -0.13 | 0.88 |
| GRFTQA | 12.8 | 0.43 | 0.00 | 27.5 | 0.42 | | 29.0 | 0.70 | | 32.4 | 0.75 | 0.00 | 22.8 | 0.37 | 0.00 |
| GZQVCB | 10.4 | 0.02 | 0.28 | 22.8 | -0.28 | 1.00 | 24.4 | 0.00 | 0.49 | 28.4 | 0.00 | 0.13 | 20.2 | -0.02 | 0.15 |
| H6FRD8 | 13.8 | 0.61 | 0.40 | 26.9 | 0.34 | 0.11 | 27.7 | 0.50 | 0.16 | 35.2 | 1.28 | 0.13 | 22.9 | 0.37 | 0.26 |
| K8FVRD | 16.9 | 1.13 | 1.95 | 41.2 | 2.43 | 2.34 | 32.2 | 1.19 | 2.83 | 39.8 | 2.13 | 3.41 | 36.7 | 2.44 | 2.93 |
| KF94C4 | 6.3 | -0.68 | 0.57 | 22.7 | -0.28 | 0.95 | 19.6 | -0.74 | 0.44 | 27.7 | -0.14 | 0.75 | 16.9 | -0.52 | 0.42 |
| LLQW29 | 10.4 | 0.02 | 0.15 | 26.8 | 0.33 | 0.12 | 22.3 | -0.32 | 0.22 | 28.3 | -0.03 | 0.21 | 19.7 | -0.10 | 0.24 |
| M6MR24 | 9.9 | -0.07 | 0.36 | 28.4 | 0.55 | 0.44 | 18.3 | -0.94 | 1.85 | 26.7 | -0.31 | 1.75 | 24.4 | 0.61 | 0.44 |
| MRHAQ4 | 13.3 | 0.51 | 0.17 | 26.5 | 0.27 | 0.11 | 27.9 | 0.53 | 0.30 | 30.8 | 0.44 | 0.24 | 22.4 | 0.30 | 0.22 |
| MZQUN7 | 6.3 | -0.68 | 0.29 | 20.0 | -0.68 | | 20.7 | -0.57 | 0.30 | 26.3 | -0.38 | 0.27 | 16.3 | -0.60 | 0.21 |
| N79TKW | 23.7 | 2.31 | 2.90 | 36.0 | 1.67 | 2.14 | 37.0 | 1.92 | 1.77 | 56.0 | 5.16X | 1.39 | 34.3 | 2.09 | 1.98 |
| PK3QU7 | 7.1 | -0.55 | 0.15 | 25.5 | 0.13 | 0.19 | 26.6 | 0.34 | 0.86 | 35.6 | 1.34 | 0.44 | 23.6 | 0.48 | 0.34 |

**Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Mult-Element Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QBRP96 | 10.1 | -0.03 | | 22.5 | -0.31 | | 20.3 | -0.62 | | 23.8 | -0.85 | | 18.8 | -0.23 | |
| TCJDUX | 15.6 | 0.92 | 0.46 | 28.6 | 0.59 | 0.65 | 26.5 | 0.31 | 0.11 | 34.0 | 1.05 | 0.36 | 23.7 | 0.50 | 0.17 |
| TFKQ8P | 9.9 | -0.07 | 0.33 | 22.7 | -0.28 | 0.60 | 26.6 | 0.33 | 0.61 | 28.2 | -0.04 | 0.71 | 20.1 | -0.04 | 0.51 |
| TZUE4V | 9.3 | -0.17 | 0.07 | 20.8 | -0.56 | 0.50 | 23.3 | -0.17 | 0.09 | 26.8 | -0.29 | 0.10 | 18.1 | -0.34 | 0.04 |
| WRZKDZ | 15.0 | 0.81 | 0.50 | 10.7 | -2.06 | 0.36 | 9.3 | -2.30 | 0.30 | 7.3 | -3.93 X | 0.27 | 9.7 | -1.60 | 0.21 |
| Y2X9YT | 6.2 | -0.71 | 0.07 | 23.2 | -0.21 | 0.03 | 17.5 | -1.05 | 0.37 | 24.1 | -0.80 | 0.11 | 14.3 | -0.90 | 0.26 |
| ZH6KBJ | 4.9 | -0.94 | 0.10 | 18.2 | -0.95 | 0.51 | 19.1 | -0.81 | 0.25 | 22.0 | -1.20 | 0.50 | 15.7 | -0.70 | 0.08 |
| ZTKTVQ | 9.2 | -0.18 | 0.59 | 30.3 | 0.84 | 2.17 | 19.4 | -0.76 | 1.39 | 32.4 | 0.75 | 2.58 | 19.6 | -0.11 | 0.95 |
| ZXH2CU | 13.5 | 0.55 | 0.29 | 27.4 | 0.41 | 0.32 | 27.0 | 0.39 | 0.24 | 30.6 | 0.41 | 0.69 | 20.5 | 0.02 | 0.07 |

**Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Mult-Element Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 10.3 | 24.6 | 24.4 | 28.4 | 20.4 |
| **Median Abs Dev** | 3.5 | 2.9 | 3.6 | 3.4 | 3.2 |
| **Avg Within Lab SD** | 2.0 | 1.6 | 2.0 | 2.2 | 2.8 |
| **Labs Included** | 33 | 33 | 33 | 31 | 34 |
| **Labs Reporting** | 35 | 35 | 35 | 35 | 35 |

**Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Mult-Element Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 19.8 | -0.01 | 1.27 | 14.8 | -0.13 | 0.20 | 32.6 | 0.25 | 1.42 | 53.4 | 0.38 | 1.88 | 31.4 | -0.37 | 1.37 |
| 72EX2L | 31.8 | 3.50 | 0.40 | 42.3 | 4.38 | 0.24 | 35.5 | 1.12 | 0.84 | 92.6 | 8.76X | 0.51 | 205.4 | 36.36X | 0.87 |
| 76U7PL | 59.0 | 11.43X | 33.69 | 35.2 | 3.21 | 5.35 | 72.7 | 12.11X | 21.61 | 132.0 | 17.19X | 16.02 | 244.5 | 44.61X | 106.54 |
| 7GNP4R | 31.4 | 3.39 | 0.45 | 32.1 | 2.71 | 0.18 | 31.3 | -0.14 | 0.93 | 19.4 | -6.91X | 0.57 | 33.5 | 0.06 | 0.71 |
| 86VF6P | 17.2 | -0.76 | 0.24 | 11.6 | -0.65 | 0.04 | 33.4 | 0.49 | 0.75 | 48.8 | -0.61 | 0.27 | 28.4 | -1.00 | 0.77 |
| AG24CD | 20.8 | 0.30 | 1.10 | 15.5 | -0.02 | 0.19 | 32.3 | 0.16 | 1.20 | 52.4 | 0.14 | 0.66 | 37.4 | 0.89 | 0.80 |
| BBPT8N | 13.0 | -1.99 | 0.59 | 18.2 | 0.44 | 0.42 | 28.9 | -0.85 | 0.25 | 58.2 | 1.40 | 0.70 | 33.4 | 0.06 | 0.32 |
| BVW8T9 | 20.3 | 0.15 | 0.88 | 16.8 | 0.21 | 0.22 | 30.6 | -0.35 | 0.89 | 49.6 | -0.45 | 1.86 | 31.5 | -0.35 | 1.34 |
| D7MPC7 | 23.2 | 0.99 | 2.41 | 31.2 | 2.56 | 0.15 | 32.1 | 0.08 | 3.09 | 51.7 | 0.00 | 1.60 | 99.0 | 13.91X | 4.24 |
| DF9V4J | 19.6 | -0.05 | 0.11 | 15.6 | 0.00 | 0.14 | 28.6 | -0.95 | 0.73 | 48.4 | -0.71 | 0.80 | 33.9 | 0.15 | 1.30 |
| EPDZY7 | 19.8 | 0.00 | 0.96 | 15.3 | -0.04 | 0.04 | 31.1 | -0.21 | 0.12 | 51.9 | 0.04 | 0.07 | 34.1 | 0.20 | 0.03 |
| F673ZB | 17.7 | -0.62 | 0.53 | 14.3 | -0.20 | 0.23 | 28.3 | -1.02 | 0.39 | 48.0 | -0.79 | 0.46 | 32.7 | -0.10 | 0.37 |
| FZPP8A | 19.8 | 0.00 | 0.96 | 15.6 | 0.00 | 0.43 | 32.9 | 0.34 | 1.03 | 50.1 | -0.35 | 1.89 | 32.1 | -0.21 | 1.72 |
| GRFTQA | 20.4 | 0.18 | 0.00 | 15.5 | -0.01 | | 30.1 | -0.49 | 0.00 | 52.4 | 0.15 | 0.00 | 33.7 | 0.12 | 0.00 |
| GZQVCB | 21.2 | 0.41 | 0.51 | 14.5 | -0.18 | 0.10 | 34.8 | 0.89 | 0.40 | 53.1 | 0.30 | 0.04 | 23.4 | -2.07 | 0.10 |
| H6FRD8 | 19.8 | 0.01 | 0.47 | 16.1 | 0.09 | 0.08 | 34.6 | 0.84 | 0.99 | 59.3 | 1.63 | 0.43 | 34.2 | 0.22 | 0.16 |
| HH9DJ3 | 17.7 | -0.61 | 1.77 | 13.6 | -0.32 | 0.44 | 33.0 | 0.37 | 1.11 | 50.3 | -0.30 | 1.90 | 27.1 | -1.27 | 1.69 |
| KF94C4 | 20.2 | 0.13 | 0.38 | 17.4 | 0.30 | 0.26 | 32.0 | 0.07 | 0.68 | 56.7 | 1.07 | 0.70 | 31.7 | -0.31 | 0.97 |
| KHEFJ7 | 20.3 | 0.16 | 0.19 | 14.5 | -0.18 | 0.05 | 31.5 | -0.07 | 0.08 | 50.5 | -0.26 | 0.14 | 32.0 | -0.23 | 0.10 |
| LLQW29 | 18.5 | -0.38 | 0.24 | 17.1 | 0.25 | 0.04 | 26.3 | -1.60 | 0.25 | 48.1 | -0.77 | 0.27 | 31.5 | -0.36 | 0.37 |
| M6MR24 | 19.1 | -0.21 | 0.28 | 21.4 | 0.96 | 0.83 | 30.1 | -0.49 | 1.70 | 54.2 | 0.55 | 0.69 | 32.9 | -0.06 | 1.27 |
| MRHAQ4 | 20.9 | 0.32 | 0.59 | 15.6 | 0.01 | 0.23 | 32.6 | 0.24 | 0.24 | 50.9 | -0.18 | 0.46 | 35.3 | 0.46 | 0.17 |
| MZQUN7 | 19.7 | -0.04 | 0.53 | 15.3 | -0.04 | 0.23 | 33.3 | 0.46 | 0.39 | 54.7 | 0.64 | 0.26 | 33.7 | 0.11 | 0.37 |
| N79TKW | 28.3 | 2.49 | 1.91 | 22.3 | 1.11 | 0.23 | 44.0 | 3.62X | 0.68 | 66.3 | 3.14 | 0.53 | 45.3 | 2.57 | 0.73 |
| PK3QU7 | 20.6 | 0.24 | 0.24 | 17.5 | 0.31 | 0.06 | 36.5 | 1.39 | 0.26 | 57.0 | 1.15 | 0.21 | 37.5 | 0.92 | 0.13 |
| QBRP96 | 16.4 | -1.00 | | 15.5 | -0.01 | | 25.4 | -1.89 | | 44.7 | -1.49 | | 29.2 | -0.83 | |

## Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| TCJDUX | 19.7 | -0.02 | 0.92 | 18.3 | 0.44 | 0.03 | 30.1 | -0.51 | 0.42 | 55.4 | 0.79 | 0.30 | 32.4 | -0.16 | 0.40 |
| TFKQ8P | 22.3 | 0.74 | 2.12 | 16.5 | 0.15 | 0.46 | 34.7 | 0.85 | 1.54 | 56.2 | 0.97 | 1.66 | 36.9 | 0.79 | 1.95 |
| TZUE4V | 18.4 | -0.41 | 1.08 | 13.9 | -0.27 | 0.10 | 29.8 | -0.57 | 0.84 | 47.3 | -0.95 | 0.32 | 29.3 | -0.82 | 0.18 |
| UNBDWZ | 34.7 | 4.34X | 3.22 | 38.3 | 3.73 | 0.60 | 110.7 | 23.33X | 3.49 | 30.3 | -4.57X | 1.15 | 41.0 | 1.66 | 0.63 |
| WRZKDZ | 19.3 | -0.14 | 0.53 | 15.3 | -0.04 | 0.23 | 30.7 | -0.33 | 1.41 | 51.7 | 0.00 | 0.26 | 40.3 | 1.52 | 1.32 |
| Y2X9YT | 16.3 | -1.01 | 0.28 | 15.1 | -0.08 | 0.18 | 24.9 | -2.02 | 0.79 | 45.4 | -1.34 | 0.28 | 24.6 | -1.80 | 0.57 |
| ZH6KBJ | 16.8 | -0.89 | 1.18 | 14.2 | -0.23 | 0.15 | 32.1 | 0.09 | 0.09 | 50.5 | -0.25 | 0.66 | 33.7 | 0.12 | 1.87 |
| ZTKTVQ | 17.1 | -0.78 | 1.75 | 17.2 | 0.27 | 1.38 | 24.2 | -2.22 | 0.99 | 51.1 | -0.12 | 2.06 | 27.1 | -1.28 | 1.89 |
| ZXH2CU | 21.0 | 0.36 | 0.36 | 15.1 | -0.08 | 0.14 | 32.5 | 0.23 | 0.55 | 51.7 | 0.00 | 1.33 | 35.5 | 0.50 | 0.94 |

## Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 19.8 | 15.6 | 31.8 | 51.7 | 33.1 |
| Median Abs Dev | 1.2 | 1.3 | 1.7 | 2.6 | 1.7 |
| Avg Within Lab SD | 1.1 | 2.5 | 1.5 | 2.2 | 1.6 |
| Labs Included | 33 | 35 | 32 | 31 | 32 |
| Labs Reporting | 35 | 35 | 35 | 35 | 35 |

**Mehlich-3, Al (SubTestCode 164) in the Mehlich-3 Mult-Element Property Groups**      **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 1,100.0 | 0.01 | 1.89 | 561.3 | -0.48 | 0.38 | 591.0 | 0.00 | 2.22 | 453.3 | 0.12 | 0.92 | 35.0 | 0.18 | 2.21 |
| 7GNP4R | 580.1 | -4.64X | 0.24 | 579.3 | -0.18 | 0.93 | 773.8 | 2.13 | 0.79 | 597.7 | 3.54X | 0.62 | 518.0 | 29.67X | 8.58 |
| 86VF6P | 1,101.7 | 0.02 | 0.09 | 592.7 | 0.04 | 0.23 | 626.3 | 0.41 | 0.87 | 457.3 | 0.21 | 0.30 | 38.3 | 0.38 | 0.93 |
| AG24CD | 1,105.2 | 0.05 | 0.96 | 570.3 | -0.33 | 1.04 | 601.0 | 0.12 | 0.45 | 448.7 | 0.01 | 0.23 | 31.5 | -0.03 | 0.50 |
| BBPT8N | 35,565.5 | 307.84X | 4.29 | 929.6 | 5.71X | 1.26 | 628.2 | 0.43 | 0.32 | 659.2 | 5.00X | 0.29 | 81.7 | 3.03X | 0.94 |
| BVW8T9 | 1,056.7 | -0.38 | 0.75 | 568.7 | -0.36 | 0.59 | 559.3 | -0.37 | 0.38 | 448.2 | 0.00 | 0.07 | 23.9 | -0.50 | 0.77 |
| D7MPC7 | 1,397.0 | 2.66 | 1.00 | 804.6 | 3.60X | 1.20 | 657.3 | 0.77 | 0.37 | 545.9 | 2.31 | 0.30 | 11.5 | -1.25 | 1.60 |
| EN39TB | 997.4 | -0.91 | 1.66 | 585.4 | -0.08 | 1.50 | 454.7 | -1.59 | 2.10 | 401.8 | -1.10 | 0.41 | 0.9 | -1.90 | 0.08 |
| F673ZB | 1,103.7 | 0.04 | 0.46 | 584.0 | -0.10 | 0.20 | 550.7 | -0.47 | 0.29 | 455.7 | 0.17 | 0.15 | 18.8 | -0.81 | 0.14 |
| FZPP8A | 983.0 | -1.04 | 1.29 | 546.6 | -0.73 | 0.33 | 561.9 | -0.34 | 0.48 | 398.5 | -1.18 | 0.83 | 28.5 | -0.22 | 1.52 |
| GZQVCB | 1,143.3 | 0.39 | 1.50 | 604.6 | 0.24 | 1.03 | 611.0 | 0.23 | 0.66 | 446.8 | -0.04 | 0.33 | 30.4 | -0.10 | 0.34 |
| H6FRD8 | 951.9 | -1.32 | 0.27 | 595.0 | 0.08 | 0.91 | 588.0 | -0.04 | 0.35 | 430.0 | -0.43 | 0.21 | 38.0 | 0.36 | 0.53 |
| KF94C4 | 1,113.7 | 0.13 | 1.74 | 667.3 | 1.30 | 1.92 | 601.3 | 0.12 | 0.80 | 483.3 | 0.83 | 1.17 | 55.0 | 1.40 | 0.94 |
| LLQW29 | 1,054.5 | -0.40 | 0.27 | 625.8 | 0.60 | 0.38 | 495.7 | -1.11 | 0.18 | 421.9 | -0.63 | 0.57 | 29.5 | -0.15 | 2.08 |
| M6MR24 | 1,186.5 | 0.78 | 0.72 | 700.3 | 1.85 | 0.43 | 523.0 | -0.79 | 1.54 | 430.8 | -0.41 | 3.42 | 37.5 | 0.33 | 0.68 |
| MRHAQ4 | 1,174.8 | 0.67 | 0.50 | 590.2 | 0.00 | 0.37 | 629.3 | 0.45 | 0.38 | 448.3 | 0.00 | 0.69 | 32.9 | 0.05 | 0.51 |
| NZLU2B | 1,200.0 | 0.90 | | 680.0 | 1.51 | | 687.0 | 1.12 | | 489.0 | 0.96 | | 53.0 | 1.28 | |
| PK3QU7 | 1,162.8 | 0.57 | 0.12 | 707.1 | 1.97 | 0.34 | 682.7 | 1.07 | 0.63 | 548.6 | 2.38 | 0.15 | 58.0 | 1.59 | 0.64 |
| QBRP96 | 951.3 | -1.32 | | 572.6 | -0.30 | | 473.1 | -1.37 | | 385.4 | -1.49 | | 39.1 | 0.43 | |
| TCJDUX | 870.8 | -2.04 | 0.07 | 560.5 | -0.50 | 0.88 | 513.8 | -0.90 | 0.09 | 406.8 | -0.98 | 0.24 | 46.0 | 0.86 | 0.61 |
| TZUE4V | 1,035.7 | -0.57 | 0.79 | 543.3 | -0.79 | 0.23 | 565.0 | -0.30 | 0.55 | 419.7 | -0.68 | 0.10 | 21.4 | -0.65 | 0.27 |
| Y2X9YT | 1,034.7 | -0.58 | 0.26 | 628.6 | 0.65 | 0.67 | 518.1 | -0.85 | 0.82 | 437.6 | -0.25 | 0.34 | 6.6 | -1.55 | 0.04 |
| ZH6KBJ | 1,049.3 | -0.45 | 0.53 | 585.9 | -0.07 | 0.87 | 597.6 | 0.08 | 0.60 | 466.2 | 0.42 | 0.99 | 24.4 | -0.46 | 1.23 |
| ZTKTVQ | 1,099.3 | 0.00 | 1.63 | 763.2 | 2.91 | 2.76 | 472.3 | -1.38 | 2.29 | 466.9 | 0.44 | 1.89 | 48.7 | 1.02 | 0.56 |
| ZXH2CU | 1,066.5 | -0.29 | 0.65 | 616.1 | 0.44 | 0.50 | 626.6 | 0.42 | 0.81 | 467.5 | 0.46 | 0.49 | 32.0 | 0.00 | 0.71 |

**Mehlich-3, Al (SubTestCode 164) in the Mehlich-3 Mult-Element Property Groups**     Data units: mg/kg

|  | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 1,099.3 | 590.2 | 591.0 | 448.3 | 32.0 |
| **Median Abs Dev** | 63.4 | 25.9 | 38.3 | 18.6 | 7.6 |
| **Avg Within Lab SD** | 34.7 | 17.7 | 17.5 | 21.2 | 2.8 |
| **Labs Included** | 23 | 23 | 25 | 23 | 23 |
| **Labs Reporting** | 25 | 25 | 25 | 25 | 25 |

**Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Mult-Element Property Groups**

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 1.71 | -0.24 | 0.98 | 7.53 | 4.38 | 5.70 | 3.13 | 0.15 | 1.19 | 59.87 | -0.40 | 0.23 | 0.91 | 0.04 | 0.66 |
| 72EX2L | 1.82 | 0.01 | 0.18 | 4.64 | 0.62 | 0.02 | 2.58 | -0.84 | 0.12 | 54.78 | -0.98 | 0.32 | 0.35 | -1.26 | 0.03 |
| 76U7PL | 1.33 | -1.12 | 0.43 | 3.90 | -0.33 | 0.18 | 2.99 | -0.11 | 1.40 | 65.65 | 0.26 | 0.20 | 1.58 | 1.62 | 0.93 |
| 7GNP4R | 5.66 | 8.75X | 3.57 | 2.65 | -1.97 | 0.13 | 2.39 | -1.19 | 1.55 | 2.80 | -6.89X | 0.15 | 1.66 | 1.82 | 0.74 |
| 7NAFPM | 1.29 | -1.21 | 0.34 | 3.66 | -0.65 | 0.17 | 2.99 | -0.10 | 0.15 | 62.34 | -0.12 | 0.51 | 0.79 | -0.22 | 0.26 |
| 86VF6P | 1.74 | -0.17 | 0.13 | 4.09 | -0.09 | 0.02 | 3.57 | 0.95 | 0.43 | 66.87 | 0.39 | 0.27 | 0.62 | -0.63 | 0.07 |
| AG24CD | 1.85 | 0.08 | 0.27 | 4.14 | -0.02 | 0.10 | 3.23 | 0.33 | 0.05 | 66.31 | 0.33 | 0.80 | 1.04 | 0.36 | 0.08 |
| BBPT8N | 2.61 | 1.80 | 1.10 | 6.27 | 2.75 | 0.03 | 3.71 | 1.21 | 0.32 | 67.06 | 0.42 | 0.12 | 1.15 | 0.61 | 0.39 |
| BVW8T9 | 1.53 | -0.66 | 0.54 | 4.32 | 0.21 | 0.06 | 2.90 | -0.26 | 0.09 | 68.60 | 0.59 | 0.36 | 0.50 | -0.92 | |
| D7MPC7 | 3.19 | 3.13 | 2.15 | 10.14 | 7.78X | 0.24 | 5.38 | 4.21 | 2.13 | 144.64 | 9.24X | 0.54 | 0.35 | -1.29 | 0.88 |
| DF9V4J | 1.67 | -0.34 | 0.77 | 4.30 | 0.18 | 0.18 | 3.47 | 0.76 | 0.58 | 64.50 | 0.13 | 0.23 | 0.57 | -0.76 | 0.96 |
| EN39TB | 1.52 | -0.68 | 1.18 | 3.91 | -0.33 | 0.03 | 2.61 | -0.78 | 0.17 | 51.96 | -1.30 | 0.24 | 0.46 | -1.00 | 0.28 |
| EPDZY7 | 1.55 | -0.61 | 0.14 | 3.79 | -0.47 | 0.01 | 2.81 | -0.43 | 0.04 | 55.48 | -0.90 | 0.37 | 1.42 | 1.26 | 0.01 |
| F673ZB | 1.65 | -0.39 | 0.41 | 3.93 | -0.30 | 0.03 | 2.69 | -0.64 | 0.23 | 61.00 | -0.27 | 0.32 | 0.54 | -0.82 | 0.10 |
| FZPP8A | 1.58 | -0.55 | 1.64 | 3.82 | -0.44 | 0.22 | 2.93 | -0.20 | 0.81 | 72.10 | 0.99 | 2.77 | 0.62 | -0.64 | 0.38 |
| GRFTQA | 1.76 | -0.13 | 0.00 | 4.06 | -0.13 | 0.00 | 3.03 | -0.04 | 0.00 | 62.03 | -0.16 | 0.00 | 0.90 | 0.02 | 0.00 |
| GZQVCB | 1.96 | 0.32 | 1.03 | 4.35 | 0.25 | 0.09 | 3.22 | 0.32 | 0.21 | 64.09 | 0.08 | 0.51 | 1.20 | 0.74 | 0.43 |
| H6FRD8 | 2.16 | 0.79 | 0.20 | 4.70 | 0.70 | 0.07 | 3.74 | 1.25 | 0.18 | 75.22 | 1.34 | 0.08 | 1.07 | 0.44 | 0.21 |
| K8FVRD | 1.94 | 0.27 | 0.92 | 5.20 | 1.36 | 0.03 | 2.92 | -0.23 | 0.72 | 59.98 | -0.39 | 0.12 | 0.88 | -0.02 | 1.51 |
| KF94C4 | 1.85 | 0.07 | 0.89 | 5.04 | 1.15 | 0.33 | 3.21 | 0.29 | 0.99 | 73.97 | 1.20 | 0.80 | 1.22 | 0.78 | 0.08 |
| KHEFJ7 | 1.71 | -0.24 | 0.20 | 4.07 | -0.12 | 0.05 | 3.23 | 0.34 | 0.29 | 58.87 | -0.52 | 0.33 | 0.74 | -0.35 | 0.12 |
| LLQW29 | 1.66 | -0.36 | 0.32 | 4.62 | 0.60 | 0.01 | 2.55 | -0.90 | 0.05 | 59.06 | -0.49 | 0.18 | 0.64 | -0.58 | 0.16 |
| M6MR24 | 2.18 | 0.82 | 0.29 | 5.54 | 1.79 | 0.04 | 3.09 | 0.09 | 2.18 | 60.19 | -0.36 | 3.20 | 1.47 | 1.37 | 4.98 |
| MRHAQ4 | 1.85 | 0.08 | 0.64 | 4.16 | 0.00 | 0.08 | 3.08 | 0.07 | 0.04 | 65.25 | 0.21 | 0.42 | 1.08 | 0.45 | 0.08 |
| MZQUN7 | 1.80 | -0.04 | 1.33 | 4.13 | -0.03 | 0.05 | 3.07 | 0.04 | 0.29 | 65.13 | 0.20 | 0.30 | 0.73 | -0.37 | 0.27 |
| N79TKW | 1.90 | 0.19 | 0.00 | 4.37 | 0.27 | 0.10 | 3.40 | 0.64 | 0.51 | 63.40 | 0.00 | 0.34 | 0.80 | -0.21 | 0.00 |

**Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Mult-Element Property Groups**

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NZLU2B | 4.10 | 5.20 | | 5.40 | 1.61 | | 11.60 | 15.47X | | 93.70 | 3.45 | | 1.10 | 0.50 | |
| PK3QU7 | 8.37 | 14.91X | 4.66 | 10.23 | 7.90X | 0.19 | 9.92 | 12.43X | 0.83 | 73.35 | 1.13 | 0.24 | 5.18 | 10.15X | 0.70 |
| QBRP96 | 1.87 | 0.12 | | 4.40 | 0.31 | | 2.69 | -0.64 | | 51.20 | -1.39 | | 0.99 | 0.24 | |
| TCJDUX | 1.60 | -0.49 | 0.43 | 4.14 | -0.02 | 0.02 | 2.91 | -0.25 | 0.18 | 67.13 | 0.42 | 0.06 | 1.12 | 0.54 | 0.24 |
| TFKQ8P | 1.92 | 0.23 | 2.35 | 4.16 | 0.00 | 0.03 | 3.00 | -0.09 | 0.76 | 60.39 | -0.34 | 0.94 | 1.25 | 0.86 | 0.44 |
| TZUE4V | 2.06 | 0.55 | 1.56 | 4.02 | -0.18 | 0.04 | 3.54 | 0.89 | 3.47 | 57.83 | -0.63 | 0.22 | 1.35 | 1.10 | 1.06 |
| UNBDWZ | 9.33 | 17.11X | 7.69 | 15.67 | 14.96X | 0.52 | 5.00 | 3.53 | | 12.33 | -5.81X | 0.19 | 10.00 | 21.56X | |
| WRZKDZ | 1.57 | -0.57 | 0.77 | 4.07 | -0.12 | 0.10 | 2.70 | -0.63 | 0.87 | 59.67 | -0.42 | 0.19 | 0.73 | -0.37 | 0.27 |
| Y2X9YT | 1.49 | -0.75 | 0.73 | 4.39 | 0.31 | 0.03 | 2.41 | -1.14 | 0.23 | 57.69 | -0.65 | 0.13 | 0.55 | -0.79 | 0.16 |
| ZH6KBJ | 2.43 | 1.40 | 2.27 | 4.33 | 0.22 | 0.35 | 3.16 | 0.20 | 0.35 | 51.69 | -1.33 | 0.59 | 0.71 | -0.43 | 0.17 |
| ZTKTVQ | 1.83 | 0.04 | 0.93 | 5.38 | 1.59 | 0.15 | 2.79 | -0.46 | 1.36 | 79.03 | 1.78 | 3.17 | 0.70 | -0.45 | 0.17 |
| ZXH2CU | 1.82 | 0.00 | 0.43 | 4.09 | -0.09 | 0.12 | 3.10 | 0.10 | 0.21 | 63.64 | 0.03 | 0.68 | 1.06 | 0.40 | 0.18 |

**Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Mult-Element Property Groups**

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 1.82 | 4.16 | 3.05 | 63.4 | 0.89 |
| Median Abs Dev | 0.16 | 0.24 | 0.21 | 3.7 | 0.25 |
| Avg Within Lab SD | 0.08 | 1.12 | 0.20 | 3.1 | 0.22 |
| Labs Included | 35 | 35 | 36 | 35 | 36 |
| Labs Reporting | 38 | 38 | 38 | 38 | 38 |

**Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Mult-Element Property Groups**　　　　**Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 42.7 | 0.31 | 2.13 | 123.0 | -0.10 | 1.19 | 58.3 | 0.39 | 3.09 | 84.9 | 0.37 | 0.34 | 33.3 | 0.08 | 1.14 |
| 72EX2L | 42.6 | 0.30 | 0.60 | 153.0 | 0.94 | 0.21 | 41.3 | -1.71 | 0.23 | 80.3 | 0.12 | 0.22 | 35.9 | 0.35 | 0.68 |
| 76U7PL | 35.8 | -0.94 | 0.55 | 123.2 | -0.09 | 1.11 | 53.3 | -0.22 | 0.55 | 74.0 | -0.21 | 0.28 | 35.7 | 0.32 | 0.97 |
| 7GNP4R | 102.7 | 11.22X | 6.87 | 82.4 | -1.50 | 1.25 | 67.1 | 1.48 | 1.52 | 56.3 | -1.16 | 1.60 | 150.8 | 12.00X | 1.44 |
| 7NAFPM | 30.8 | -1.85 | 0.71 | 95.8 | -1.04 | 0.57 | 59.1 | 0.49 | 0.46 | 47.7 | -1.62 | 0.09 | 14.6 | -1.82 | 0.04 |
| 86VF6P | 41.6 | 0.12 | 0.18 | 128.0 | 0.07 | 0.26 | 63.3 | 1.02 | 0.93 | 83.1 | 0.27 | 0.15 | 36.1 | 0.36 | 0.31 |
| AG24CD | 40.3 | -0.12 | 0.73 | 129.3 | 0.12 | 1.05 | 56.5 | 0.17 | 0.91 | 83.9 | 0.31 | 0.41 | 31.9 | -0.07 | 0.37 |
| BBPT8N | 50.7 | 1.76 | 0.39 | 198.6 | 2.51 | 1.10 | 44.1 | -1.37 | 0.19 | 129.7 | 2.75 | 0.17 | 60.0 | 2.79 | 0.89 |
| BVW8T9 | 41.0 | 0.00 | 0.59 | 130.2 | 0.15 | 0.85 | 52.2 | -0.37 | 0.31 | 76.9 | -0.06 | 0.24 | 31.9 | -0.06 | 0.34 |
| D7MPC7 | 44.2 | 0.59 | 0.54 | 166.3 | 1.40 | 1.16 | 44.4 | -1.32 | 0.19 | 101.2 | 1.23 | 0.19 | 39.4 | 0.70 | 1.72 |
| DF9V4J | 39.4 | -0.29 | 0.93 | 115.1 | -0.37 | 0.69 | 58.0 | 0.35 | 1.49 | 63.7 | -0.77 | 0.41 | 29.7 | -0.29 | 0.21 |
| EN39TB | 29.8 | -2.04 | 0.70 | 59.0 | -2.31 | 0.17 | 47.2 | -0.98 | 0.62 | 27.0 | -2.72 | 0.19 | 15.2 | -1.76 | 0.51 |
| EPDZY7 | 37.2 | -0.68 | 0.16 | 114.2 | -0.40 | 0.38 | 55.0 | -0.01 | 0.06 | 69.6 | -0.45 | 0.27 | 29.3 | -0.32 | 0.18 |
| F673ZB | 41.7 | 0.14 | 0.56 | 132.7 | 0.24 | 0.54 | 51.6 | -0.43 | 0.14 | 85.7 | 0.41 | 0.13 | 32.9 | 0.04 | 0.52 |
| FZPP8A | 36.7 | -0.78 | 1.36 | 114.7 | -0.39 | 2.40 | 54.8 | -0.04 | 1.53 | 71.6 | -0.34 | 1.57 | 27.6 | -0.50 | 0.67 |
| GRFTQA | 39.9 | -0.19 | 0.00 | 123.7 | -0.07 | 0.00 | 59.0 | 0.48 | | 77.2 | -0.05 | 0.00 | 34.4 | 0.19 | 0.00 |
| GZQVCB | 39.5 | -0.27 | 0.65 | 131.9 | 0.21 | 0.63 | 54.9 | -0.02 | 0.50 | 82.0 | 0.21 | 0.35 | 32.5 | 0.00 | 0.42 |
| H6FRD8 | 43.9 | 0.53 | 0.69 | 122.9 | -0.10 | 1.29 | 64.6 | 1.17 | 0.60 | 71.2 | -0.36 | 0.62 | 26.9 | -0.57 | 0.86 |
| K8FVRD | 47.4 | 1.18 | 0.37 | 162.5 | 1.27 | 0.26 | 43.5 | -1.44 | 0.33 | 104.5 | 1.41 | 0.15 | 55.2 | 2.30 | 0.82 |
| KF94C4 | 46.0 | 0.92 | 2.61 | 151.0 | 0.87 | 2.03 | 57.7 | 0.32 | 1.27 | 93.0 | 0.80 | 1.42 | 42.7 | 1.03 | 1.54 |
| KHEFJ7 | 42.3 | 0.24 | 0.58 | 103.3 | -0.78 | 0.30 | 62.9 | 0.97 | 0.11 | 68.0 | -0.54 | 0.02 | 46.9 | 1.46 | 0.10 |
| LLQW29 | 37.3 | -0.67 | 0.13 | 139.6 | 0.48 | 0.38 | 45.7 | -1.17 | 0.16 | 79.3 | 0.06 | 0.54 | 32.1 | -0.04 | 0.79 |
| M6MR24 | 46.1 | 0.93 | 0.46 | 164.7 | 1.34 | 0.39 | 47.2 | -0.99 | 1.35 | 84.9 | 0.36 | 3.55 | 41.8 | 0.94 | 0.69 |
| MRHAQ4 | 40.4 | -0.10 | 0.22 | 129.2 | 0.11 | 0.58 | 55.3 | 0.03 | 0.64 | 78.0 | 0.00 | 0.02 | 29.2 | -0.34 | 0.14 |
| MZQUN7 | 41.0 | 0.01 | 1.51 | 120.0 | -0.20 | | 56.7 | 0.19 | 0.32 | 77.0 | -0.06 | 1.14 | 32.0 | -0.05 | 1.15 |
| N79TKW | 41.3 | 0.07 | 0.50 | 137.0 | 0.39 | 0.90 | 57.0 | 0.23 | 0.55 | 96.0 | 0.96 | 0.46 | 32.0 | -0.05 | |

## Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NZLU2B | 49.0 | 1.46 | | 161.0 | 1.21 | | 68.0 | 1.60 | | 102.0 | 1.28 | | 49.3 | 1.70 | |
| PK3QU7 | 41.6 | 0.11 | 0.04 | 103.5 | -0.77 | 0.17 | 56.2 | 0.14 | 0.70 | 60.4 | -0.94 | 0.04 | 33.6 | 0.11 | 0.04 |
| QBRP96 | 44.5 | 0.65 | | 162.6 | 1.27 | | 58.5 | 0.42 | | 90.9 | 0.68 | | 41.2 | 0.88 | |
| TCJDUX | 38.3 | -0.48 | 1.32 | 123.6 | -0.08 | 1.03 | 55.2 | 0.01 | 0.07 | 70.1 | -0.42 | 0.10 | 30.9 | -0.16 | 0.15 |
| TZUE4V | 36.6 | -0.80 | 0.58 | 105.3 | -0.71 | 0.84 | 56.3 | 0.15 | 0.29 | 62.4 | -0.83 | 1.03 | 25.1 | -0.75 | 0.87 |
| UNBDWZ | 134.7 | 17.04X | 7.79 | 555.7 | 14.85X | 1.34 | 107.7 | 6.52X | 1.38 | 365.0 | 15.30X | 1.27 | 324.3 | 29.61X | 5.82 |
| WRZKDZ | 38.7 | -0.41 | 0.69 | 123.3 | -0.09 | 1.31 | 45.7 | -1.17 | 0.84 | 89.7 | 0.62 | 0.57 | 46.0 | 1.37 | 1.15 |
| Y2X9YT | 32.1 | -1.61 | 0.23 | 120.3 | -0.19 | 0.85 | 41.1 | -1.74 | 1.17 | 65.1 | -0.69 | 0.06 | 25.0 | -0.76 | 0.59 |
| ZH6KBJ | 32.3 | -1.58 | 0.30 | 110.5 | -0.53 | 0.40 | 47.5 | -0.95 | 0.55 | 73.5 | -0.25 | 0.62 | 29.7 | -0.29 | 1.09 |
| ZTKTVQ | 46.3 | 0.96 | 2.96 | 180.4 | 1.88 | 2.22 | 50.2 | -0.61 | 2.39 | 96.0 | 0.96 | 3.03 | 41.0 | 0.86 | 3.73 |
| ZXH2CU | 38.1 | -0.51 | 0.20 | 128.5 | 0.09 | 0.32 | 54.0 | -0.14 | 0.26 | 78.1 | 0.00 | 0.48 | 30.0 | -0.25 | 0.36 |

## Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 41.0 | 125.9 | 55.1 | 78.1 | 32.5 |
| Median Abs Dev | 2.9 | 11.4 | 3.7 | 8.2 | 3.4 |
| Avg Within Lab SD | 1.1 | 3.8 | 1.8 | 4.4 | 1.5 |
| Labs Included | 35 | 36 | 36 | 36 | 35 |
| Labs Reporting | 37 | 37 | 37 | 37 | 37 |

**Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Mult-Element Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 44.8 | -0.02 | 0.36 | 241.0 | -0.11 | 0.45 | 147.3 | 0.74 | 0.74 | 197.3 | 0.38 | 0.71 | 13.7 | 0.08 | 1.44 |
| 72EX2L | 47.5 | 0.26 | 0.30 | 290.9 | 0.69 | 0.02 | 127.2 | -0.22 | 0.10 | 211.2 | 0.78 | 0.19 | 11.7 | -0.32 | 0.09 |
| 76U7PL | 27.3 | -1.85 | 0.31 | 187.4 | -0.96 | 0.22 | 121.4 | -0.50 | 0.23 | 158.7 | -0.73 | 0.28 | 5.5 | -1.61 | 0.22 |
| 7GNP4R | 136.5 | 9.53X | 1.48 | 256.8 | 0.15 | 0.27 | 154.5 | 1.08 | 1.26 | 199.6 | 0.45 | 0.90 | 121.5 | 22.38X | 5.04 |
| 7NAFPM | 20.5 | -2.55 | 0.58 | 112.2 | -2.15 | 0.08 | 91.5 | -1.92 | 0.57 | 98.3 | -2.46 | 0.11 | 7.1 | -1.29 | 0.22 |
| 86VF6P | 44.7 | -0.04 | 0.13 | 247.7 | 0.00 | 0.07 | 145.3 | 0.64 | 1.04 | 185.0 | 0.03 | 0.44 | 12.2 | -0.23 | 0.14 |
| AG24CD | 48.2 | 0.33 | 0.49 | 256.2 | 0.14 | 0.23 | 145.3 | 0.64 | 0.93 | 185.8 | 0.05 | 0.25 | 14.0 | 0.14 | 0.45 |
| BBPT8N | 58.6 | 1.41 | 0.41 | 419.0 | 2.72 | 0.31 | 148.2 | 0.78 | 0.36 | 285.6 | 2.91 | 0.36 | 19.5 | 1.28 | 0.30 |
| BVW8T9 | 33.8 | -1.17 | 0.69 | 214.1 | -0.53 | 0.03 | 126.7 | -0.25 | 0.55 | 172.4 | -0.33 | 0.55 | 5.2 | -1.67 | 0.19 |
| D7MPC7 | 39.9 | -0.53 | 0.46 | 352.0 | 1.66 | 0.24 | 154.3 | 1.07 | 0.40 | 241.8 | 1.66 | 0.35 | 7.6 | -1.17 | 3.68 |
| DF9V4J | 43.1 | -0.20 | 0.64 | 230.3 | -0.28 | 0.18 | 128.2 | -0.18 | 0.99 | 161.6 | -0.64 | 0.66 | 11.1 | -0.46 | 0.67 |
| EN39TB | 36.1 | -0.93 | 0.69 | 152.5 | -1.51 | 0.15 | 98.9 | -1.57 | 0.79 | 108.5 | -2.16 | 0.20 | 7.8 | -1.14 | 0.34 |
| EPDZY7 | 45.0 | -0.01 | 0.30 | 253.5 | 0.09 | 0.02 | 140.6 | 0.42 | 0.24 | 186.3 | 0.07 | 0.14 | 12.6 | -0.15 | 0.56 |
| F673ZB | 41.1 | -0.41 | 0.49 | 256.7 | 0.14 | 0.10 | 122.0 | -0.47 | 0.23 | 184.0 | 0.00 | 0.13 | 8.7 | -0.94 | 0.14 |
| FZPP8A | 45.1 | 0.01 | 3.28 | 204.5 | -0.69 | 0.03 | 129.3 | -0.12 | 0.72 | 161.6 | -0.64 | 0.42 | 13.5 | 0.04 | 1.04 |
| GRFTQA | 49.8 | 0.50 | 0.00 | 239.3 | -0.13 | 0.00 | 124.5 | -0.35 | | 180.0 | -0.11 | | 25.4 | 2.50 | 0.00 |
| GZQVCB | 43.3 | -0.18 | 0.59 | 239.3 | -0.13 | 0.07 | 141.3 | 0.45 | 0.41 | 184.3 | 0.01 | 0.29 | 14.2 | 0.20 | 0.43 |
| H6FRD8 | 42.4 | -0.28 | 1.18 | 196.3 | -0.82 | 0.24 | 129.8 | -0.10 | 0.32 | 165.5 | -0.53 | 1.07 | 17.6 | 0.89 | 1.42 |
| K8FVRD | 58.1 | 1.37 | 0.67 | 369.1 | 1.93 | 0.07 | 165.0 | 1.58 | 0.77 | 257.5 | 2.11 | 0.30 | 18.5 | 1.08 | 0.57 |
| KF94C4 | 47.3 | 0.24 | 1.40 | 281.0 | 0.53 | 0.39 | 143.7 | 0.56 | 1.26 | 201.0 | 0.49 | 1.53 | 12.3 | -0.20 | 0.53 |
| KHEFJ7 | 52.7 | 0.80 | 0.14 | 254.0 | 0.10 | 0.03 | 160.3 | 1.36 | 0.48 | 188.0 | 0.11 | 0.34 | 13.6 | 0.07 | 0.14 |
| LLQW29 | 50.7 | 0.60 | 2.27 | 246.8 | -0.01 | 0.16 | 115.6 | -0.78 | 0.09 | 177.2 | -0.20 | 0.85 | 11.9 | -0.30 | 0.83 |
| M6MR24 | 58.8 | 1.44 | 1.20 | 307.3 | 0.95 | 0.04 | 136.0 | 0.20 | 2.50 | 185.5 | 0.04 | 3.48 | 17.1 | 0.78 | 2.50 |
| MRHAQ4 | 48.4 | 0.35 | 0.54 | 253.4 | 0.09 | 0.05 | 133.9 | 0.10 | 0.54 | 179.0 | -0.14 | 0.31 | 14.6 | 0.27 | 0.37 |
| MZQUN7 | 38.7 | -0.66 | 1.40 | 212.0 | -0.57 | 0.09 | 127.0 | -0.23 | 0.61 | 167.7 | -0.47 | 1.04 | 11.3 | -0.41 | 0.53 |
| N79TKW | 55.3 | 1.07 | 1.52 | 394.3 | 2.33 | 5.71 | 163.7 | 1.52 | 0.74 | 222.0 | 1.09 | 0.26 | 14.0 | 0.15 | 0.93 |

**Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Mult-Element Property Groups**    Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| PK3QU7 | 71.3 | 2.73 | 0.79 | 256.2 | 0.14 | 0.04 | 164.8 | 1.57 | 0.41 | 195.8 | 0.34 | 0.07 | 25.9 | 2.60 | 0.28 |
| QBRP96 | 47.1 | 0.22 | | 230.0 | -0.28 | | 113.0 | -0.90 | | 162.0 | -0.63 | | 15.7 | 0.51 | |
| TCJDUX | 48.8 | 0.39 | 0.24 | 187.7 | -0.95 | 0.11 | 128.0 | -0.18 | 0.66 | 163.2 | -0.60 | 0.55 | 13.1 | -0.04 | 0.31 |
| TZUE4V | 48.4 | 0.35 | 0.52 | 218.3 | -0.47 | 0.22 | 129.0 | -0.14 | 0.83 | 160.7 | -0.67 | 0.97 | 11.5 | -0.36 | 0.05 |
| UNBDWZ | 195.0 | 15.62**X** | 3.02 | 604.7 | 5.67**X** | 0.44 | 94.3 | -1.79 | 0.93 | 423.3 | 6.86**X** | 1.12 | 399.0 | 79.75**X** | 4.24 |
| WRZKDZ | 41.0 | -0.42 | 0.60 | 265.7 | 0.29 | 0.02 | 139.0 | 0.34 | 0.83 | 203.3 | 0.55 | 0.46 | 14.3 | 0.21 | 1.41 |
| Y2X9YT | 37.6 | -0.77 | 0.08 | 232.1 | -0.25 | 0.09 | 110.5 | -1.02 | 0.47 | 155.7 | -0.81 | 0.49 | 7.2 | -1.27 | 0.29 |
| ZH6KBJ | 40.9 | -0.43 | 1.18 | 260.8 | 0.21 | 0.36 | 134.8 | 0.14 | 0.62 | 183.5 | -0.01 | 1.04 | 11.7 | -0.34 | 0.86 |
| ZTKTVQ | 48.5 | 0.36 | 1.06 | 328.8 | 1.29 | 0.54 | 125.6 | -0.30 | 3.60 | 220.3 | 1.04 | 3.07 | 13.7 | 0.08 | 0.93 |
| ZXH2CU | 44.4 | -0.06 | 0.36 | 226.2 | -0.34 | 0.11 | 133.9 | 0.10 | 0.39 | 171.5 | -0.36 | 0.13 | 14.0 | 0.15 | 0.11 |

**Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Mult-Element Property Groups**    Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 45.0 | 247.7 | 131.9 | 184.0 | 13.3 |
| **Median Abs Dev** | 4.0 | 21.5 | 10.1 | 17.0 | 1.7 |
| **Avg Within Lab SD** | 1.7 | 30.9 | 4.4 | 7.7 | 1.1 |
| **Labs Included** | 34 | 35 | 36 | 35 | 34 |
| **Labs Reporting** | 36 | 36 | 36 | 36 | 36 |

**Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Mult-Element Property Groups**

**Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3WWADT | 1.6 | 0.19 | 2.07 | 11.3 | -0.15 | 2.63 | 0.5 | 0.08 | 0.51 | 7.6 | 0.35 | 1.09 | 0.8 | 0.20 | 1.82 |
| 72EX2L | 1.6 | 0.05 | 0.08 | 13.4 | 1.04 | 0.59 | 0.3 | -0.84 | 0.10 | 7.8 | 0.61 | 0.07 | 0.8 | -0.26 | 0.11 |
| 76U7PL | 0.9 | -3.78X | 0.19 | 11.3 | -0.19 | 1.27 | -0.3 | -4.60X | 0.28 | 7.2 | -0.11 | 0.33 | 0.1 | -3.59X | 0.17 |
| 7GNP4R | 2.9 | 7.26X | 1.57 | 1.2 | -5.99X | 0.12 | 0.9 | 2.79 | 1.85 | 0.9 | -7.99X | 0.39 | 1.1 | 1.38 | 0.37 |
| 7NAFPM | 1.5 | -0.46 | 2.36 | 11.3 | -0.19 | 1.63 | 0.5 | 0.50 | 0.35 | 6.6 | -0.94 | 0.69 | 0.7 | -0.36 | 0.57 |
| 86VF6P | 1.7 | 0.56 | 0.34 | 11.5 | -0.08 | 0.49 | 0.4 | -0.10 | 0.19 | 7.9 | 0.68 | 0.33 | 0.8 | 0.05 | 0.19 |
| AG24CD | 1.7 | 0.65 | 0.19 | 11.3 | -0.16 | 1.21 | 0.6 | 0.80 | 0.23 | 7.3 | 0.01 | 0.12 | 0.9 | 0.31 | 0.29 |
| BBPT8N | 1.6 | -0.23 | 0.43 | 12.7 | 0.64 | 0.14 | 0.4 | -0.35 | 0.61 | 7.9 | 0.67 | 0.08 | 0.7 | -0.35 | 0.19 |
| BVW8T9 | 1.6 | -0.30 | 0.35 | 11.6 | 0.00 | 0.72 | 0.6 | 0.65 | 1.02 | 7.6 | 0.34 | 0.53 | 0.8 | -0.11 | 1.00 |
| D7MPC7 | 1.5 | -0.35 | 3.11 | 14.3 | 1.53 | 1.92 | -0.3 | -4.55X | 8.00 | 7.2 | -0.13 | 1.01 | 0.6 | -0.97 | 2.27 |
| DF9V4J | 1.6 | 0.17 | 0.77 | 12.1 | 0.28 | 0.65 | 0.4 | -0.55 | 0.97 | 7.0 | -0.42 | 0.51 | 0.4 | -2.03 | 1.11 |
| EN39TB | 1.3 | -1.68 | 0.61 | 9.5 | -1.23 | 0.23 | 0.3 | -1.15 | 0.31 | 4.2 | -3.92X | 0.65 | 0.5 | -1.55 | 0.64 |
| EPDZY7 | 1.6 | -0.04 | 0.05 | 12.3 | 0.42 | 0.15 | 0.4 | -0.32 | 0.17 | 7.9 | 0.71 | 0.13 | 0.9 | 0.42 | 0.08 |
| F673ZB | 1.4 | -0.88 | 0.41 | 10.8 | -0.46 | 0.43 | 0.3 | -1.20 | 0.51 | 7.1 | -0.27 | 0.05 | 0.6 | -1.29 | 0.58 |
| FZPP8A | 1.7 | 0.68 | 1.76 | 11.2 | -0.24 | 0.57 | 0.7 | 1.34 | 1.30 | 6.8 | -0.61 | 0.84 | 0.9 | 0.70 | 0.51 |
| GRFTQA | 1.6 | -0.26 | 0.00 | 11.0 | -0.35 | 0.00 | 0.5 | 0.11 | 0.00 | 7.0 | -0.39 | 0.00 | 0.9 | 0.37 | 0.00 |
| GZQVCB | 1.7 | 0.81 | 0.47 | 11.7 | 0.04 | 0.74 | 0.6 | 0.71 | 0.17 | 7.9 | 0.70 | 0.18 | 1.0 | 0.88 | 1.75 |
| H6FRD8 | 1.7 | 0.41 | 0.41 | 12.3 | 0.40 | 0.49 | 0.6 | 1.06 | 3.61 | 8.0 | 0.89 | 0.49 | 1.1 | 1.51 | 2.33 |
| K8FVRD | 1.6 | 0.13 | 0.08 | 13.1 | 0.88 | 0.72 | 0.4 | -0.20 | 0.45 | 8.1 | 0.96 | 0.34 | 0.9 | 0.25 | 0.40 |
| KF94C4 | 1.8 | 1.24 | 1.61 | 14.5 | 1.68 | 2.35 | 0.5 | 0.12 | 0.58 | 8.7 | 1.67 | 1.14 | 0.9 | 0.68 | 1.50 |
| KHEFJ7 | 1.6 | 0.02 | 0.67 | 10.4 | -0.71 | 0.19 | 1.0 | 3.05 | 0.35 | 6.8 | -0.70 | 0.08 | 1.2 | 1.89 | 0.19 |
| LLQW29 | 1.5 | -0.79 | 0.18 | 13.2 | 0.90 | 0.18 | 0.3 | -1.13 | 0.10 | 7.1 | -0.32 | 0.49 | 0.7 | -0.85 | 0.51 |
| M6MR24 | 1.7 | 0.60 | 0.27 | 14.2 | 1.46 | 0.45 | 0.4 | -0.06 | 2.22 | 7.0 | -0.43 | 3.47 | 0.8 | -0.06 | 1.71 |
| MRHAQ4 | 1.7 | 0.31 | 0.37 | 10.7 | -0.52 | 0.54 | 0.5 | 0.38 | 0.28 | 6.9 | -0.52 | 0.22 | 0.8 | 0.05 | 0.51 |
| MZQUN7 | 1.6 | -0.02 | 0.00 | 11.2 | -0.21 | 0.19 | 0.4 | -0.35 | 0.00 | 7.3 | 0.00 | 0.62 | 0.8 | -0.05 | 0.00 |
| N79TKW | 1.6 | -0.21 | 0.77 | 11.2 | -0.23 | 0.32 | 0.4 | -0.16 | 0.97 | 7.6 | 0.37 | 0.62 | 0.4 | -2.03 | 1.11 |

## Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NZLU2B | 1.8 | 1.11 | | 15.1 | 2.01 | | | | | 9.5 | 2.70 | | 0.8 | -0.05 | |
| PK3QU7 | 1.8 | 1.38 | 0.25 | 12.0 | 0.20 | 0.28 | 0.6 | 0.83 | 0.19 | 7.5 | 0.15 | 0.20 | 0.9 | 0.32 | 0.20 |
| QBRP96 | 1.4 | -1.07 | | 13.4 | 1.03 | | 0.3 | -0.89 | | 7.0 | -0.44 | | 0.7 | -0.75 | |
| TCJDUX | 1.5 | -0.66 | 0.31 | 12.2 | 0.34 | 0.39 | 0.6 | 0.61 | 0.19 | 7.4 | 0.12 | 0.25 | 0.8 | -0.14 | 0.40 |
| TZUE4V | 1.4 | -0.90 | 0.20 | 10.1 | -0.87 | 0.62 | | | | 6.5 | -1.09 | 0.52 | | | |
| UNBDWZ | 2.4 | 4.66X | 1.73 | 1.6 | -5.73X | 0.11 | 2.5 | 12.20X | 0.77 | 6.0 | -1.64 | 0.08 | 5.7 | 26.27X | 0.51 |
| WRZKDZ | 1.4 | -1.33 | 0.77 | 10.3 | -0.73 | 1.87 | 1.4 | 5.35X | 23.79 | 7.5 | 0.21 | 0.30 | 0.8 | 0.13 | 1.11 |
| Y2X9YT | 1.5 | -0.66 | 0.89 | 12.2 | 0.32 | 0.99 | 0.4 | -0.22 | 0.83 | 6.6 | -0.89 | 0.42 | 0.7 | -0.52 | 0.59 |
| ZH6KBJ | 1.2 | -2.08 | 0.41 | 9.1 | -1.42 | 0.38 | 0.4 | -0.18 | 0.33 | 6.2 | -1.42 | 0.55 | 0.6 | -1.10 | 0.87 |
| ZTKTVQ | 2.0 | 2.02 | 1.22 | 16.1 | 2.60 | 0.57 | 0.5 | 0.00 | 1.02 | 9.0 | 2.05 | 3.56 | 1.0 | 1.15 | 1.09 |
| ZXH2CU | 1.7 | 0.70 | 0.52 | 11.5 | -0.07 | 1.17 | 0.5 | 0.20 | 0.28 | 7.2 | -0.11 | 0.60 | 0.8 | 0.17 | 0.58 |

## Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Mult-Element Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 1.60 | 11.6 | 0.46 | 7.33 | 0.81 |
| Median Abs Dev | 0.11 | 0.7 | 0.08 | 0.42 | 0.07 |
| Avg Within Lab SD | 0.08 | 0.3 | 0.06 | 0.34 | 0.05 |
| Labs Included | 34 | 35 | 31 | 35 | 34 |
| Labs Reporting | 37 | 37 | 35 | 37 | 36 |

**Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Mult-Element Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 0.18 | -0.45 | 0.39 | 0.65 | -0.98 | 0.50 | 0.15 | -0.50 | 0.39 | 1.91 | 0.00 | 0.53 | 1.54 | 0.24 | 0.15 |
| 76U7PL | 0.45 | 0.92 | 3.92 | 0.54 | -1.54 | 2.32 | 0.71 | 2.20 | 4.67 | 1.12 | -1.86 | 3.50 | 1.00 | -1.24 | 3.56 |
| 7GNP4R | 0.92 | 3.36 | 0.37 | 0.73 | -0.57 | 1.35 | 0.80 | 2.65 | 1.30 | 0.85 | -2.51 | 0.31 | 0.68 | -2.08 | 0.12 |
| 7NAFPM | 0.36 | 0.49 | 1.81 | 1.59 | 3.73**X** | 14.13 | 0.37 | 0.55 | 0.77 | 2.10 | 0.47 | 0.68 | 1.39 | -0.16 | 0.37 |
| 86VF6P | 0.14 | -0.66 | 0.17 | 0.63 | -1.11 | 0.03 | 0.07 | -0.90 | 0.03 | 2.07 | 0.39 | 0.30 | 1.76 | 0.82 | 0.09 |
| AG24CD | 0.27 | 0.03 | 0.10 | 0.81 | -0.20 | 0.14 | 0.28 | 0.12 | 0.07 | 1.85 | -0.14 | 0.17 | 1.42 | -0.10 | 0.09 |
| BVW8T9 | 0.11 | -0.80 | 0.38 | 1.00 | 0.75 | 1.06 | 0.39 | 0.66 | 0.17 | 1.56 | -0.81 | 0.10 | 1.30 | -0.42 | 3.45 |
| D7MPC7 | 0.09 | -0.92 | 1.36 | 1.38 | 2.70 | 3.55 | -0.02 | -1.32 | 0.37 | 1.56 | -0.82 | 1.14 | 1.12 | -0.89 | 0.47 |
| DF9V4J | 0.27 | 0.01 | 0.48 | 0.90 | 0.28 | 0.43 | 0.25 | -0.01 | 0.23 | 2.12 | 0.51 | 0.17 | 1.58 | 0.34 | 0.31 |
| EPDZY7 | 0.32 | 0.27 | 0.22 | 0.65 | -1.00 | 0.08 | 0.35 | 0.45 | 0.05 | 1.16 | -1.76 | 0.15 | 0.98 | -1.28 | 0.09 |
| F673ZB | 0.24 | -0.13 | 0.26 | 0.77 | -0.38 | 0.19 | 0.26 | 0.01 | 0.04 | 1.58 | -0.77 | 0.35 | 1.03 | -1.14 | 0.15 |
| GRFTQA | 0.29 | 0.10 | 0.00 | 0.87 | 0.12 | 0.00 | 0.23 | -0.13 | 0.00 | 2.06 | 0.35 | 0.00 | 1.72 | 0.71 | 0.00 |
| GZQVCB | 0.28 | 0.06 | 0.20 | 0.68 | -0.84 | 0.33 | 0.19 | -0.30 | 0.22 | 2.13 | 0.54 | 0.19 | 1.75 | 0.79 | 0.15 |
| H6FRD8 | 0.30 | 0.18 | 0.11 | 1.01 | 0.83 | 0.76 | 0.35 | 0.46 | 0.25 | 2.34 | 1.03 | 0.20 | 1.63 | 0.49 | 0.13 |
| KHEFJ7 | 0.22 | -0.25 | 0.07 | 0.83 | -0.11 | 0.07 | 0.24 | -0.07 | 0.07 | 1.87 | -0.09 | 0.28 | 1.33 | -0.33 | 0.16 |
| LLQW29 | 0.24 | -0.14 | 0.33 | 0.85 | 0.00 | 0.10 | 0.13 | -0.62 | 0.02 | 1.86 | -0.10 | 0.11 | 1.49 | 0.10 | 0.27 |
| M6MR24 | 0.15 | -0.61 | 0.39 | 0.59 | -1.30 | 0.15 | 0.15 | -0.52 | 0.31 | 1.34 | -1.34 | 1.23 | 1.11 | -0.93 | 0.22 |
| MRHAQ4 | 0.30 | 0.19 | 0.21 | 0.86 | 0.04 | 0.09 | 0.30 | 0.24 | 0.14 | 2.10 | 0.47 | 0.04 | 1.41 | -0.11 | 0.02 |
| MZQUN7 | 0.23 | -0.16 | 0.74 | 0.87 | 0.09 | 0.71 | 0.20 | -0.27 | 0.00 | 2.07 | 0.38 | 0.38 | 1.63 | 0.49 | 0.35 |
| N79TKW | 0.30 | 0.18 | 0.00 | 1.03 | 0.93 | 0.71 | 0.57 | 1.52 | 0.41 | 1.63 | -0.65 | 1.02 | 1.03 | -1.14 | 0.71 |
| PK3QU7 | 0.57 | 1.58 | 1.44 | 0.71 | -0.71 | 1.71 | 0.30 | 0.24 | 1.37 | 2.00 | 0.23 | 1.04 | 1.62 | 0.45 | 0.70 |
| QBRP96 | 0.71 | 2.29 | | 1.54 | 3.46**X** | | 0.87 | 3.00 | | 2.06 | 0.36 | | 1.57 | 0.33 | |
| TCJDUX | 0.26 | -0.04 | 0.15 | 0.88 | 0.16 | 0.45 | 0.22 | -0.17 | 0.07 | 2.20 | 0.69 | 0.20 | 1.63 | 0.47 | 0.09 |
| TZUE4V | | | | | | | | | | 2.18 | 0.65 | 2.27 | 1.68 | 0.60 | 0.09 |
| UNBDWZ | 0.88 | 3.16 | 0.20 | 0.91 | 0.29 | 0.07 | 2.60 | 11.43**X** | 0.04 | 1.77 | -0.32 | 0.17 | 1.88 | 1.16 | 0.12 |
| WRZKDZ | 0.10 | -0.84 | 0.00 | 0.60 | -1.25 | 0.00 | 0.30 | 0.22 | 0.00 | 0.50 | -3.33**X** | | 0.03 | -3.84**X** | 0.04 |

**Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Mult-Element Property Groups**                    Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| Y2X9YT | 0.07 | -1.00 | 1.00 | 0.96 | 0.56 | 0.75 | 0.21 | -0.24 | 0.11 | 1.34 | -1.33 | 1.36 | 0.73 | -1.97 | 1.17 |
| ZH6KBJ | 0.19 | -0.41 | 1.36 | 0.62 | -1.13 | 0.26 | 0.10 | -0.77 | 0.11 | 1.78 | -0.29 | 0.60 | 1.45 | 0.00 | 0.20 |
| ZTKTVQ | 0.20 | -0.31 | 0.88 | 0.90 | 0.28 | 0.14 | 0.14 | -0.56 | 0.50 | 2.14 | 0.56 | 1.36 | 1.72 | 0.71 | 0.20 |
| ZXH2CU | 0.27 | 0.00 | 0.17 | 0.86 | 0.07 | 0.21 | 0.29 | 0.17 | 0.01 | 1.97 | 0.14 | 0.17 | 1.43 | -0.05 | 0.28 |

**Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Mult-Element Property Groups**                    Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.27 | 0.85 | 0.26 | 1.91 | 1.45 |
| Median Abs Dev | 0.06 | 0.11 | 0.09 | 0.22 | 0.18 |
| Avg Within Lab SD | 0.08 | 0.08 | 0.14 | 0.15 | 0.16 |
| Labs Included | 29 | 27 | 28 | 29 | 29 |
| Labs Reporting | 29 | 29 | 29 | 30 | 30 |

**Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups**     Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 0.53 | -1.15 | 2.42 | 1.31 | -0.47 | 2.52 | 2.17 | 0.70 | 0.84 | 35.90 | 0.86 | 1.89 | 0.33 | 0.46 | 2.40 |
| 2W2DFK | 0.67 | -0.32 | 0.76 | 1.47 | -0.03 | 0.78 | 2.07 | 0.34 | 1.81 | 31.20 | -0.29 | 0.58 | 0.27 | -0.03 | 1.19 |
| 3GXKWM | 1.30 | 3.44X | | 2.90 | 4.04X | | 3.40 | 4.84X | | | | | 0.40 | 1.05 | |
| 3U6BYV | 1.01 | 1.70 | 0.80 | 1.95 | 1.34 | 0.36 | 2.04 | 0.26 | 4.63 | 37.08 | 1.15 | 0.42 | 0.18 | -0.73 | 0.21 |
| 3WWADT | 0.85 | 0.77 | 1.44 | 1.54 | 0.18 | 0.23 | 2.77 | 2.70 | 2.08 | 38.07 | 1.40 | 0.09 | 0.36 | 0.73 | 1.26 |
| 6ATHQD | 0.73 | 0.08 | 0.50 | 1.40 | -0.22 | 1.36 | 2.37 | 1.35 | 0.34 | 35.33 | 0.72 | 0.90 | 0.38 | 0.89 | 0.55 |
| 6PQCHL | 0.71 | -0.04 | 0.15 | 1.57 | 0.26 | 0.59 | 1.86 | -0.35 | 0.09 | 33.77 | 0.34 | 0.57 | 0.27 | 0.03 | 0.12 |
| 7GNP4R | 2.76 | 12.08X | 1.49 | 1.48 | 0.01 | 0.82 | 1.37 | -2.01 | 0.77 | 1.55 | -7.60X | 0.11 | 1.06 | 6.40X | 1.39 |
| 7NAFPM | 0.58 | -0.81 | 0.38 | 1.17 | -0.88 | 0.71 | 2.03 | 0.21 | 0.36 | 32.33 | -0.02 | 0.67 | 0.34 | 0.57 | 0.34 |
| 7ZNKQG | 0.71 | -0.07 | 0.13 | 1.57 | 0.26 | 0.00 | 1.95 | -0.05 | 0.18 | 31.80 | -0.15 | 0.47 | 0.25 | -0.16 | 0.34 |
| 8Q9F3N | 0.78 | 0.36 | 1.13 | 1.66 | 0.53 | 1.63 | 2.00 | 0.11 | 0.41 | 32.47 | 0.02 | 1.55 | 0.35 | 0.62 | 0.84 |
| 9D3RFD | 0.62 | -0.60 | 0.19 | 1.03 | -1.28 | 0.10 | 1.44 | -1.78 | 0.24 | 28.27 | -1.02 | 0.19 | 0.25 | -0.18 | 0.47 |
| BBPT8N | 0.72 | 0.03 | 0.54 | 1.54 | 0.18 | 0.16 | 1.91 | -0.18 | 0.18 | 30.06 | -0.58 | 0.24 | 0.24 | -0.26 | 0.16 |
| CABJUG | 0.72 | 0.00 | 0.13 | 1.55 | 0.22 | 0.44 | 1.92 | -0.17 | 0.17 | 35.46 | 0.76 | 0.13 | 0.26 | -0.05 | 0.12 |
| CWMK4E | 0.95 | 1.36 | 0.89 | 1.62 | 0.39 | 2.04 | 2.20 | 0.80 | 0.84 | 34.01 | 0.40 | 0.56 | 0.36 | 0.73 | 0.26 |
| D7MPC7 | 0.76 | 0.24 | 0.14 | 1.62 | 0.40 | 0.33 | 1.91 | -0.19 | 0.20 | 33.55 | 0.28 | 0.14 | 0.35 | 0.64 | 1.99 |
| DF9V4J | 1.00 | 1.66 | | 1.77 | 0.82 | 0.78 | 2.60 | 2.14 | 0.59 | 30.27 | -0.52 | 0.39 | 0.93 | 5.36X | 1.19 |
| DFEY7A | 0.65 | -0.43 | 0.59 | 1.52 | 0.12 | 0.72 | 1.85 | -0.38 | 0.27 | 31.57 | -0.20 | 0.27 | 0.26 | -0.05 | 1.06 |
| DUEXT8 | 0.66 | -0.38 | 0.33 | 1.57 | 0.26 | 0.47 | 1.92 | -0.15 | 0.33 | 35.97 | 0.88 | 0.46 | 0.15 | -0.93 | 0.26 |
| EN39TB | 0.67 | -0.31 | 0.16 | 1.19 | -0.82 | 1.60 | 2.26 | 1.00 | 0.17 | 30.48 | -0.47 | 0.23 | 0.23 | -0.30 | 0.21 |
| EPDZY7 | 0.63 | -0.51 | 0.76 | 1.20 | -0.79 | 0.00 | 1.93 | -0.11 | 0.34 | 31.80 | -0.15 | 0.00 | 0.70 | 3.47 | 0.00 |
| FPDBEA | 0.62 | -0.61 | 0.08 | 1.13 | -0.99 | 0.82 | 2.21 | 0.82 | 0.36 | 30.47 | -0.48 | 0.21 | 1.26 | 7.99X | 1.09 |
| GDU8HA | 0.47 | -1.50 | 0.76 | 0.80 | -1.92 | 0.00 | 1.57 | -1.35 | 0.34 | 15.70 | -4.11X | 0.00 | 0.27 | -0.03 | 1.19 |
| HGXCX4 | 0.76 | 0.26 | 0.05 | 2.13 | 1.86 | 1.70 | 1.95 | -0.04 | 0.67 | 43.52 | 2.74 | 0.12 | 0.59 | 2.56 | 1.35 |
| HH9DJ3 | 0.86 | 0.83 | 1.67 | 1.42 | -0.16 | 1.61 | 2.39 | 1.42 | 1.96 | 32.77 | 0.09 | 1.09 | 0.46 | 1.56 | 1.63 |
| JK7EW4 | 0.86 | 0.85 | 0.98 | 1.47 | -0.03 | 0.90 | 1.98 | 0.03 | 0.43 | 28.13 | -1.05 | 0.04 | 0.61 | 2.77 | 0.67 |

**Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups**

Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| JQCYVA | 0.79 | 0.42 | 0.27 | 1.71 | 0.67 | 0.14 | 2.18 | 0.71 | 0.31 | 39.41 | 1.73 | 0.68 | 0.25 | -0.17 | 0.27 |
| JXALTZ | 0.67 | -0.32 | 0.08 | 1.43 | -0.12 | 0.21 | 1.75 | -0.74 | 0.09 | 31.13 | -0.31 | 0.19 | 0.23 | -0.35 | 0.12 |
| K8FVRD | 0.83 | 0.63 | 0.08 | 1.77 | 0.83 | 0.14 | 2.14 | 0.57 | 0.12 | 34.89 | 0.61 | 0.18 | 0.26 | -0.11 | 0.07 |
| LRY7H4 | 0.56 | -0.95 | 0.60 | 1.30 | -0.50 | 1.36 | 1.90 | -0.23 | 0.59 | 27.43 | -1.22 | 0.33 | 0.45 | 1.45 | 0.62 |
| MM3234 | 0.82 | 0.59 | 0.82 | 1.80 | 0.92 | 2.35 | 1.97 | 0.00 | 0.34 | 39.33 | 1.71 | 0.90 | 0.27 | -0.03 | 0.32 |
| P3TKWW | 0.55 | -0.99 | 0.08 | 1.28 | -0.56 | 0.09 | 1.89 | -0.26 | 0.10 | 34.03 | 0.40 | 0.18 | 0.34 | 0.60 | 1.15 |
| QBRP96 | 0.72 | 0.00 | | 1.52 | 0.12 | | 1.96 | -0.02 | | 32.20 | -0.05 | | 0.27 | 0.00 | |
| QVFBR8 | 0.81 | 0.55 | 0.11 | 1.54 | 0.18 | 0.16 | 1.88 | -0.31 | 0.13 | 33.26 | 0.21 | 0.37 | 0.24 | -0.24 | 0.13 |
| QZVJF8 | 0.35 | -2.18 | 0.05 | 0.71 | -2.17 | 0.35 | 24.60 | 76.39X | 13.60 | 27.93 | -1.10 | 4.65 | | | |
| T3QB22 | 0.66 | -0.36 | 0.26 | 1.47 | -0.01 | 0.41 | 2.03 | 0.20 | 0.18 | 7.19 | -6.21X | 0.01 | 0.21 | -0.46 | 0.24 |
| TFKQ8P | 0.79 | 0.44 | 0.57 | 1.43 | -0.13 | 1.36 | 2.61 | 2.18 | 0.55 | 34.86 | 0.61 | 0.92 | 0.39 | 0.94 | 0.66 |
| TQJCHV | 0.86 | 0.83 | 0.13 | 1.73 | 0.72 | 0.54 | 2.08 | 0.38 | 0.12 | 31.84 | -0.14 | 0.10 | 0.39 | 0.97 | 1.45 |
| U7QMX2 | 0.73 | 0.04 | 0.27 | 1.63 | 0.43 | 0.62 | 1.93 | -0.12 | 0.16 | 17.25 | -3.73X | 0.09 | 0.28 | 0.11 | 0.12 |
| VCB32Y | 0.56 | -0.97 | 0.46 | 1.08 | -1.13 | 0.68 | 2.05 | 0.27 | 1.01 | 32.57 | 0.04 | 1.76 | 0.24 | -0.27 | 0.32 |
| W4XJ8Q | 0.37 | -2.08 | 0.00 | 0.92 | -1.58 | 0.14 | 2.04 | 0.25 | 0.12 | 34.23 | 0.45 | 0.21 | 0.08 | -1.56 | 0.12 |
| WC766T | 0.63 | -0.51 | 0.76 | 1.30 | -0.50 | 0.00 | 1.87 | -0.34 | 0.68 | 30.03 | -0.58 | 0.60 | 0.40 | 1.05 | 3.58 |
| XQLP3R | 0.53 | -1.10 | 0.12 | 1.14 | -0.97 | 0.20 | 1.34 | -2.12 | 0.16 | 21.50 | -2.68 | 0.10 | 0.19 | -0.63 | 0.15 |
| XR3PAN | 0.73 | 0.08 | 0.76 | 1.13 | -0.98 | 0.78 | 2.25 | 0.96 | 0.30 | 30.85 | -0.38 | 0.98 | 0.20 | -0.57 | 0.00 |
| XYHBJR | 0.84 | 0.69 | 0.15 | 2.06 | 1.67 | 0.31 | 1.47 | -1.68 | 0.10 | 32.70 | 0.07 | 0.06 | 0.30 | 0.20 | 0.12 |
| YTNTHL | 0.45 | -1.59 | 4.42 | 1.05 | -1.20 | 0.88 | 1.91 | -0.19 | 1.14 | 29.39 | -0.74 | 1.07 | 0.26 | -0.05 | 0.12 |
| ZTKTVQ | 0.75 | 0.17 | 1.74 | 1.89 | 1.18 | 2.04 | 2.02 | 0.18 | 1.75 | 29.46 | -0.72 | 0.91 | 0.32 | 0.44 | 1.23 |

**Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 0.72 | 1.48 | 1.97 | 32.4 | 0.27 |
| **Median Abs Dev** | 0.09 | 0.18 | 0.10 | 2.0 | 0.06 |
| **Avg Within Lab SD** | 0.08 | 0.07 | 0.17 | 1.7 | 0.05 |
| **Labs Included** | 45 | 46 | 45 | 42 | 43 |
| **Labs Reporting** | 47 | 47 | 47 | 46 | 46 |

**Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups**　　　　　　　　**Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 20.6 | 0.34 | 1.24 | 24.4 | 0.05 | 1.75 | 55.3 | 1.28 | 1.69 | 10.0 | 0.09 | 1.56 | 3.5 | -0.19 | 1.19 |
| 2W2DFK | 19.1 | -0.04 | 0.23 | 23.0 | -0.11 | 1.00 | 46.8 | 0.25 | 2.52 | 8.3 | -0.69 | 1.50 | 2.7 | -0.76 | 1.19 |
| 3U6BYV | 24.3 | 1.33 | 1.07 | 39.5 | 1.78 | 0.54 | 48.3 | 0.43 | 0.22 | 93.9 | 38.58X | 2.24 | 7.0 | 2.51 | 0.30 |
| 3WWADT | 22.1 | 0.76 | 1.74 | 22.7 | -0.15 | 0.56 | 61.1 | 1.97 | 0.39 | 8.7 | -0.47 | 0.76 | 3.8 | 0.09 | 0.77 |
| 6ATHQD | 19.7 | 0.11 | 0.57 | 24.0 | 0.00 | 0.96 | 43.7 | -0.12 | 0.92 | 7.8 | -0.90 | 0.91 | 3.1 | -0.50 | 0.77 |
| 6PQCHL | 19.8 | 0.14 | 0.53 | 25.2 | 0.13 | 1.20 | 46.2 | 0.19 | 0.25 | 8.5 | -0.59 | 1.13 | 3.8 | 0.04 | 1.41 |
| 7GNP4R | 37.0 | 4.69X | 2.84 | 29.7 | 0.66 | 1.67 | 24.2 | -2.45 | 0.60 | 20.3 | 4.84X | 3.77 | 54.4 | 39.11X | 2.90 |
| 7NAFPM | 16.5 | -0.72 | 0.71 | 17.5 | -0.74 | 0.87 | 46.8 | 0.25 | 0.23 | 7.1 | -1.24 | 0.33 | 2.7 | -0.75 | 0.46 |
| 7ZNKQG | 17.1 | -0.58 | 0.21 | 23.8 | -0.02 | 0.17 | 38.6 | -0.72 | 0.23 | 10.0 | 0.10 | 0.67 | 5.3 | 1.20 | 0.34 |
| 8Q9F3N | 20.0 | 0.19 | 1.38 | 25.1 | 0.12 | 1.47 | 44.1 | -0.07 | 2.29 | 10.1 | 0.15 | 2.29 | 4.0 | 0.21 | 1.19 |
| 9D3RFD | 13.7 | -1.48 | 0.13 | 17.5 | -0.74 | 0.42 | 30.5 | -1.69 | 0.04 | 10.2 | 0.18 | 0.27 | 4.6 | 0.67 | 0.47 |
| BBPT8N | 20.8 | 0.40 | 0.08 | 29.9 | 0.67 | 0.04 | 43.1 | -0.19 | 0.56 | 11.3 | 0.68 | 0.46 | 5.1 | 1.09 | 0.32 |
| CABJUG | 21.2 | 0.52 | 0.20 | 28.5 | 0.52 | 0.08 | 46.4 | 0.21 | 0.27 | 12.7 | 1.33 | 0.14 | 3.9 | 0.18 | 0.33 |
| CWMK4E | 21.8 | 0.68 | 0.80 | 29.8 | 0.67 | 0.73 | 45.9 | 0.16 | 0.78 | 10.0 | 0.10 | 0.25 | 4.4 | 0.52 | 0.66 |
| D7MPC7 | 20.8 | 0.40 | 0.29 | 28.2 | 0.48 | 0.63 | 44.2 | -0.06 | 0.20 | 10.5 | 0.32 | 0.14 | 4.9 | 0.88 | 0.65 |
| DF9V4J | 15.5 | -0.99 | 0.73 | 15.0 | -1.03 | 0.19 | 32.4 | -1.46 | 0.54 | 9.8 | 0.00 | 0.09 | 6.7 | 2.33 | 0.21 |
| DFEY7A | 19.4 | 0.04 | 1.60 | 27.9 | 0.45 | 0.35 | 43.0 | -0.20 | 0.42 | 10.9 | 0.50 | 0.82 | 3.6 | -0.06 | 1.19 |
| DUEXT8 | 20.0 | 0.18 | 0.52 | 28.6 | 0.53 | 0.86 | 45.1 | 0.06 | 0.89 | 10.3 | 0.26 | 0.20 | 4.3 | 0.48 | 0.59 |
| EN39TB | 18.2 | -0.28 | 0.64 | 17.7 | -0.72 | 0.89 | 53.0 | 1.00 | 0.48 | 7.5 | -1.02 | 1.02 | 3.1 | -0.51 | 0.26 |
| EPDZY7 | 14.4 | -1.28 | 0.06 | 16.2 | -0.89 | 0.19 | 42.4 | -0.27 | 0.39 | 7.9 | -0.84 | 0.31 | 3.2 | -0.42 | 0.21 |
| FPDBEA | 15.3 | -1.04 | 0.23 | 15.3 | -1.00 | 0.36 | 48.2 | 0.42 | 0.39 | 8.2 | -0.70 | 0.48 | 3.0 | -0.55 | |
| GDU8HA | 17.0 | -0.60 | | 18.7 | -0.61 | 0.56 | 48.0 | 0.40 | 0.60 | 9.7 | -0.05 | 0.86 | 3.7 | -0.04 | 2.14 |
| HGXCX4 | 17.4 | -0.50 | 0.14 | 24.6 | 0.07 | 0.51 | 38.4 | -0.75 | 0.24 | 9.8 | 0.01 | 0.08 | 3.4 | -0.26 | 0.44 |
| HH9DJ3 | 16.9 | -0.64 | 3.45 | 18.5 | -0.63 | 1.51 | 52.2 | 0.91 | 2.87 | 7.5 | -1.05 | 1.38 | 3.1 | -0.51 | 0.15 |
| JK7EW4 | 20.4 | 0.31 | 0.29 | 17.0 | -0.80 | 0.35 | 50.4 | 0.69 | 1.41 | 7.4 | -1.09 | 0.65 | 3.3 | -0.35 | 1.75 |
| JQCYVA | 21.1 | 0.48 | 0.22 | 26.7 | 0.31 | 0.38 | 49.6 | 0.59 | 0.39 | 9.5 | -0.14 | 1.02 | 3.9 | 0.11 | 0.54 |

**Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups**  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JXALTZ | 17.9 | -0.36 | 0.10 | 24.3 | 0.03 | 0.10 | 40.1 | -0.54 | 0.28 | 10.0 | 0.09 | 0.23 | 3.5 | -0.17 | 0.37 |
| K8FVRD | 27.3 | 2.11 | 0.23 | 41.7 | 2.03 | 0.12 | 53.7 | 1.08 | 0.50 | 19.0 | 4.22X | 0.06 | 8.6 | 3.73X | 0.13 |
| LRY7H4 | 16.3 | -0.77 | 0.32 | 18.9 | -0.58 | 0.24 | 41.2 | -0.41 | 0.09 | 6.2 | -1.61 | 0.10 | 2.0 | -1.32 | 0.12 |
| MM3234 | 22.7 | 0.90 | 1.15 | 33.3 | 1.07 | 0.56 | 47.7 | 0.36 | 0.69 | 11.7 | 0.87 | 0.86 | 5.2 | 1.12 | 1.07 |
| P3TKWW | 14.7 | -1.19 | 0.11 | 17.0 | -0.80 | 0.12 | 39.6 | -0.61 | 0.08 | 6.2 | -1.64 | 0.25 | 2.2 | -1.14 | 0.24 |
| QBRP96 | 22.5 | 0.84 | | 32.1 | 0.93 | | 52.5 | 0.94 | | 13.1 | 1.55 | | 3.7 | -0.05 | |
| QVFBR8 | 20.7 | 0.38 | 0.18 | 28.1 | 0.47 | 0.15 | 41.8 | -0.34 | 0.31 | 11.5 | 0.80 | 0.61 | 5.1 | 1.08 | 0.46 |
| QZVJF8 | 8.3 | -2.89 | 0.51 | 12.2 | -1.36 | 0.62 | 20.2 | -2.93 | 0.12 | 9.5 | -0.13 | 0.86 | | | |
| T3QB22 | 19.3 | 0.00 | 0.11 | 30.1 | 0.70 | 0.95 | 46.4 | 0.21 | 0.73 | 11.3 | 0.69 | 0.45 | 4.0 | 0.24 | 0.30 |
| TFKQ8P | 18.3 | -0.25 | 0.59 | 20.7 | -0.38 | 1.48 | 52.9 | 0.99 | 0.77 | 9.5 | -0.14 | 0.48 | 4.1 | 0.29 | 0.83 |
| TQJCHV | 21.7 | 0.65 | 0.23 | 29.9 | 0.68 | 0.60 | 43.7 | -0.11 | 0.08 | 12.1 | 1.05 | 0.04 | 4.6 | 0.67 | 0.17 |
| U7QMX2 | 19.8 | 0.13 | 0.09 | 30.8 | 0.78 | 0.57 | 42.7 | -0.23 | 0.44 | 12.6 | 1.28 | 0.17 | 4.7 | 0.76 | 0.63 |
| VCB32Y | 18.3 | -0.25 | 0.75 | 20.2 | -0.44 | 0.87 | 53.2 | 1.02 | 1.86 | 9.9 | 0.06 | 0.71 | 3.3 | -0.33 | 0.57 |
| W4XJ8Q | 6.1 | -3.47X | 0.07 | 5.9 | -2.07 | 0.10 | 17.2 | -3.29X | 0.08 | 2.6 | -3.30X | 0.16 | 1.0 | -2.08 | 0.23 |
| WC766T | 17.8 | -0.40 | 0.15 | 21.1 | -0.33 | 0.75 | 43.5 | -0.14 | 2.08 | 8.7 | -0.50 | 0.56 | 3.2 | -0.42 | 0.57 |
| XQLP3R | 12.0 | -1.92 | 0.17 | 16.9 | -0.81 | 0.03 | 24.5 | -2.41 | 0.10 | 7.0 | -1.27 | 0.05 | 4.1 | 0.31 | 0.12 |
| XYHBJR | 17.4 | -0.48 | 0.15 | 16.4 | -0.88 | 0.05 | 47.0 | 0.29 | 0.13 | 6.8 | -1.35 | 0.08 | 2.7 | -0.81 | 0.17 |
| YTNTHL | 14.0 | -1.40 | 0.73 | 13.7 | -1.18 | 1.07 | 43.5 | -0.14 | 0.69 | 5.5 | -1.94 | 0.82 | 2.3 | -1.07 | 1.45 |
| ZTKTVQ | 19.6 | 0.08 | 3.48 | 32.2 | 0.94 | 4.25 | 43.4 | -0.15 | 1.67 | 10.1 | 0.16 | 4.03 | 5.3 | 1.25 | 3.89 |

**Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups**  **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 19.3 | 24.0 | 44.6 | 9.77 | 3.72 |
| Median Abs Dev | 1.9 | 5.8 | 3.4 | 1.49 | 0.66 |
| Avg Within Lab SD | 1.0 | 1.0 | 1.7 | 0.67 | 0.27 |
| Labs Included | 43 | 45 | 44 | 41 | 42 |
| Labs Reporting | 45 | 45 | 45 | 45 | 44 |

**Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups**　　　　　　　　　　**Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 6.1 | -0.89 | 0.31 | 24.6 | -0.41 | 1.54 | 49.7 | -0.68 | 0.92 | 27.0 | -0.57 | 0.85 | 1.3 | -0.66 | 0.07 |
| 2W2DFK | 6.3 | -0.81 | 0.43 | 26.3 | -0.17 | 1.85 | 54.0 | -0.35 | 0.92 | 27.3 | -0.52 | 0.29 | 1.3 | -0.62 | 2.55 |
| 3GXKWM | 10.9 | 0.94 | | 37.4 | 1.31 | | | | | 39.2 | 1.46 | | 1.6 | -0.12 | |
| 3U6BYV | 22.3 | 5.31X | 0.61 | 45.1 | 2.33 | 0.24 | 101.7 | 3.29X | 1.60 | 46.1 | 2.60X | 1.10 | 2.5 | 1.58 | 0.08 |
| 3WWADT | 9.2 | 0.30 | 1.46 | 29.9 | 0.31 | 0.89 | 82.5 | 1.82 | 2.79 | 34.2 | 0.63 | 0.35 | 2.1 | 0.87 | 0.51 |
| 6ATHQD | 7.6 | -0.33 | 0.13 | 32.7 | 0.67 | 1.03 | 56.0 | -0.20 | 1.39 | 32.3 | 0.31 | 2.56 | 2.2 | 1.00 | 1.17 |
| 6PQCHL | 7.2 | -0.48 | 0.26 | 30.1 | 0.33 | 1.06 | 54.3 | -0.33 | 0.82 | 28.2 | -0.37 | 0.91 | | | |
| 7GNP4R | 32.3 | 9.13X | 0.67 | 76.9 | 6.59X | 2.72 | 39.0 | -1.50 | 0.71 | 55.7 | 4.20X | 1.28 | 26.8 | 47.00X | 8.90 |
| 7NAFPM | 6.0 | -0.94 | 0.24 | 22.3 | -0.72 | 0.57 | 47.7 | -0.83 | 1.21 | 26.8 | -0.60 | 0.56 | 1.5 | -0.39 | 0.18 |
| 7ZNKQG | 10.7 | 0.87 | 0.69 | 33.4 | 0.77 | 0.19 | 59.6 | 0.08 | 2.03 | 36.1 | 0.94 | 3.14 | 2.1 | 0.86 | 0.18 |
| 8Q9F3N | 6.9 | -0.61 | 3.69 | 33.3 | 0.76 | 1.11 | 66.4 | 0.60 | 1.14 | 31.4 | 0.15 | 1.28 | 1.6 | -0.16 | 0.87 |
| 9D3RFD | 7.1 | -0.51 | 0.08 | 24.2 | -0.45 | 0.44 | 51.6 | -0.54 | 0.60 | 34.4 | 0.65 | 1.29 | 1.8 | 0.34 | 0.52 |
| BBPT8N | 10.0 | 0.58 | 0.20 | 32.7 | 0.68 | 0.27 | 69.8 | 0.86 | 0.08 | 31.9 | 0.24 | 0.37 | 1.7 | 0.07 | 0.05 |
| CABJUG | 7.5 | -0.38 | 0.01 | 26.9 | -0.10 | 0.39 | 11.9 | -3.57X | 0.08 | 29.6 | -0.14 | 0.40 | 1.5 | -0.30 | 0.40 |
| CWMK4E | 9.2 | 0.27 | 0.09 | 32.3 | 0.62 | 0.38 | 64.8 | 0.47 | 0.66 | 30.4 | -0.01 | 0.56 | 1.9 | 0.45 | 0.32 |
| D7MPC7 | 7.4 | -0.39 | 0.12 | 29.5 | 0.24 | 0.58 | 55.9 | -0.21 | 0.24 | 31.0 | 0.10 | 0.84 | 1.5 | -0.24 | 0.56 |
| DF9V4J | 5.2 | -1.23 | 0.04 | 17.8 | -1.32 | 0.67 | 41.0 | -1.34 | 0.40 | 23.9 | -1.08 | 0.19 | 1.2 | -0.81 | 0.67 |
| DFEY7A | 12.7 | 1.61 | 0.56 | 35.2 | 1.01 | 0.24 | 55.1 | -0.27 | 1.60 | 39.9 | 1.58 | 1.58 | 1.9 | 0.50 | 0.51 |
| DUEXT8 | 9.6 | 0.43 | 0.69 | 33.2 | 0.75 | 1.05 | 77.5 | 1.44 | 0.56 | 31.1 | 0.10 | 0.19 | 1.8 | 0.34 | 0.16 |
| EN39TB | 7.1 | -0.52 | 0.09 | 20.0 | -1.03 | 1.67 | 58.0 | -0.05 | 0.21 | 25.8 | -0.77 | 0.14 | 1.3 | -0.66 | 0.14 |
| EPDZY7 | 7.4 | -0.40 | 0.00 | 25.0 | -0.35 | 0.31 | 68.8 | 0.78 | 0.49 | 34.2 | 0.62 | 0.08 | 2.2 | 1.00 | 0.00 |
| FPDBEA | 8.1 | -0.13 | 0.13 | 27.3 | -0.04 | 0.85 | 78.0 | 1.48 | 0.91 | 32.4 | 0.33 | 0.95 | 2.8 | 2.18 | 0.67 |
| GDU8HA | 8.3 | -0.04 | 0.43 | 24.3 | -0.44 | 0.51 | 72.7 | 1.07 | 0.72 | 34.0 | 0.59 | 0.50 | 1.7 | 0.00 | 2.55 |
| HGXCX4 | 13.5 | 1.92 | 0.03 | 38.2 | 1.41 | 1.28 | 62.2 | 0.27 | 0.63 | 36.5 | 1.01 | 0.20 | 3.6 | 3.53X | 1.25 |
| HH9DJ3 | 6.4 | -0.80 | 0.91 | 23.1 | -0.61 | 1.81 | 61.3 | 0.21 | 2.65 | 28.0 | -0.41 | 1.94 | 1.6 | -0.19 | 1.05 |
| JK7EW4 | 14.0 | 2.12 | 1.46 | 27.7 | 0.01 | 1.33 | 57.0 | -0.12 | 1.14 | 34.3 | 0.64 | 0.73 | 3.0 | 2.56 | 3.54 |

**Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups**     **Data units: mg/kg**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| JQCYVA | 12.6 | 1.58 | 0.91 | 31.7 | 0.55 | 0.48 | 64.7 | 0.46 | 0.23 | 33.0 | 0.42 | 0.38 | 2.2 | 1.02 | 0.56 |
| JXALTZ | 7.8 | -0.25 | 0.07 | 27.9 | 0.04 | 0.47 | 55.3 | -0.25 | 0.11 | 27.3 | -0.52 | 0.18 | 1.4 | -0.56 | 0.10 |
| K8FVRD | 10.0 | 0.59 | 0.03 | 38.4 | 1.44 | 0.66 | 73.9 | 1.17 | 0.08 | 36.4 | 1.00 | 0.02 | 1.8 | 0.24 | 0.07 |
| LRY7H4 | 7.7 | -0.30 | 0.28 | 25.3 | -0.31 | 0.09 | 55.0 | -0.28 | 0.38 | 25.7 | -0.79 | 0.20 | 1.2 | -0.81 | 0.07 |
| MM3234 | 10.3 | 0.69 | 0.48 | 38.0 | 1.39 | 1.78 | 68.3 | 0.74 | 0.40 | 43.0 | 2.09 | 1.32 | 2.1 | 0.81 | 0.76 |
| P3TKWW | 8.8 | 0.13 | 0.00 | 27.5 | -0.02 | 0.00 | 74.1 | 1.18 | 0.22 | 34.1 | 0.61 | 0.00 | 2.2 | 1.00 | 0.00 |
| QBRP96 | 7.1 | -0.51 | | 26.5 | -0.15 | | 53.9 | -0.36 | | 24.9 | -0.93 | | 1.4 | -0.42 | |
| QVFBR8 | 8.9 | 0.17 | 0.24 | 29.3 | 0.22 | 0.06 | 59.1 | 0.04 | 0.32 | 30.4 | 0.00 | 0.04 | 1.5 | -0.30 | 0.19 |
| QZVJF8 | 3.9 | -1.73 | 0.13 | 14.9 | -1.71 | 0.84 | 32.2 | -2.01 | 0.05 | 27.5 | -0.49 | 1.08 | | | |
| T3QB22 | 9.0 | 0.20 | 0.41 | 26.0 | -0.22 | 0.71 | 58.8 | 0.01 | 0.66 | 25.9 | -0.75 | 0.15 | 1.2 | -0.91 | 0.09 |
| TFKQ8P | 6.7 | -0.66 | 0.32 | 25.0 | -0.35 | 1.60 | 61.2 | 0.20 | 0.46 | 30.0 | -0.08 | 1.19 | 1.8 | 0.31 | 0.66 |
| TQJCHV | 14.2 | 2.19 | 0.51 | 41.9 | 1.91 | 0.81 | 78.2 | 1.50 | 0.02 | 38.9 | 1.40 | 0.19 | 1.6 | -0.06 | 0.03 |
| U7QMX2 | 6.8 | -0.63 | 0.08 | 29.1 | 0.20 | 0.60 | 57.7 | -0.07 | 0.23 | 28.9 | -0.26 | 0.20 | 1.4 | -0.59 | 0.08 |
| VCB32Y | 8.6 | 0.05 | 0.22 | 27.6 | -0.01 | 1.03 | 76.3 | 1.35 | 0.60 | 36.4 | 0.99 | 1.10 | 1.3 | -0.63 | 0.13 |
| W4XJ8Q | 6.4 | -0.77 | 0.03 | 21.5 | -0.82 | 0.27 | 58.4 | -0.01 | 0.32 | 26.7 | -0.62 | 0.44 | 1.5 | -0.26 | 0.58 |
| WC766T | 10.7 | 0.85 | 3.50 | 21.0 | -0.89 | 1.54 | 44.3 | -1.09 | 0.20 | 28.0 | -0.41 | 1.80 | 2.3 | 1.25 | 2.55 |
| XQLP3R | 10.1 | 0.61 | 0.18 | 21.3 | -0.84 | 0.13 | 41.6 | -1.30 | 0.01 | 20.1 | -1.71 | 0.08 | 1.9 | 0.44 | 0.10 |
| XR3PAN | 8.6 | 0.07 | 0.83 | 22.1 | -0.74 | 0.67 | 62.5 | 0.29 | 0.57 | 23.9 | -1.10 | 0.42 | 1.3 | -0.62 | 0.25 |
| XYHBJR | 10.6 | 0.84 | 0.15 | 29.6 | 0.26 | 1.06 | 65.7 | 0.54 | 0.84 | 32.6 | 0.36 | 0.61 | 2.5 | 1.63 | 0.09 |
| YTNTHL | 8.5 | 0.00 | 1.53 | 18.9 | -1.16 | 2.06 | 52.8 | -0.45 | 0.71 | 24.2 | -1.04 | 0.40 | 1.4 | -0.58 | 0.77 |
| ZTKTVQ | 8.5 | 0.03 | 2.28 | 34.9 | 0.97 | 1.52 | 46.8 | -0.90 | 2.45 | 24.5 | -0.98 | 1.36 | 2.0 | 0.65 | 0.96 |

**Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups**　　　　　　Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 8.45 | 27.6 | 58.6 | 30.4 | 1.67 |
| Median Abs Dev | 1.52 | 4.6 | 6.6 | 3.7 | 0.32 |
| Avg Within Lab SD | 1.35 | 1.1 | 2.9 | 2.0 | 0.23 |
| Labs Included | 45 | 46 | 44 | 45 | 43 |
| Labs Reporting | 47 | 47 | 46 | 47 | 45 |

**Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups**  Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 0.49 | -0.88 | 1.27 | 5.36 | -0.36 | 1.93 | 0.17 | -0.86 | 0.37 | 2.65 | -0.07 | 1.11 | 0.36 | 0.46 | 1.54 |
| 2W2DFK | 0.60 | -0.27 | 0.00 | 5.83 | -0.04 | 1.03 | 0.23 | -0.12 | 1.41 | 2.53 | -0.30 | 0.83 | 0.27 | -0.53 | 1.60 |
| 3U6BYV | 1.05 | 2.20 | 1.03 | 7.94 | 1.40 | 0.26 | 0.34 | 1.16 | 0.79 | 19.36 | 32.97X | 0.20 | 0.41 | 1.02 | 0.32 |
| 3WWADT | 0.78 | 0.74 | 1.03 | 5.73 | -0.11 | 1.60 | 0.35 | 1.29 | 0.79 | 3.32 | 1.25 | 0.08 | 0.36 | 0.49 | 0.58 |
| 6ATHQD | 0.67 | 0.14 | 0.20 | 6.80 | 0.62 | 0.88 | 0.22 | -0.28 | 0.73 | 2.80 | 0.23 | 0.94 | 0.35 | 0.32 | 0.64 |
| 6PQCHL | 0.83 | 1.00 | 1.33 | 6.70 | 0.55 | 0.77 | 0.32 | 0.96 | 1.76 | 2.93 | 0.49 | 0.89 | 0.44 | 1.31 | 1.54 |
| 7GNP4R | 5.30 | 25.71X | 4.18 | 1.78 | -2.81X | 0.22 | 1.34 | 13.64X | 5.47 | 1.32 | -2.70 | 1.42 | 1.61 | 13.67X | 1.07 |
| 7NAFPM | 0.54 | -0.58 | 0.39 | 4.79 | -0.75 | 0.53 | 0.18 | -0.75 | 0.09 | 2.63 | -0.10 | 0.52 | 0.30 | -0.18 | 0.56 |
| 7ZNKQG | 0.72 | 0.41 | 0.04 | 5.89 | 0.00 | 0.06 | 0.27 | 0.35 | 0.23 | 2.64 | -0.09 | 0.27 | 0.31 | -0.05 | 0.16 |
| 8Q9F3N | 0.72 | 0.38 | 0.97 | 6.50 | 0.41 | 1.00 | 0.24 | 0.01 | 1.21 | 2.72 | 0.07 | 1.31 | 0.26 | -0.60 | 0.83 |
| 9D3RFD | 0.56 | -0.49 | 0.12 | 4.09 | -1.23 | 0.24 | 0.19 | -0.63 | 0.07 | 2.63 | -0.10 | 0.10 | 0.34 | 0.29 | 0.32 |
| BBPT8N | 0.70 | 0.30 | 0.17 | 6.74 | 0.58 | 0.11 | 0.25 | 0.03 | 0.08 | 2.92 | 0.46 | 0.23 | 0.31 | -0.06 | 0.09 |
| CABJUG | 0.61 | -0.23 | 0.10 | 6.17 | 0.19 | 0.04 | 0.15 | -1.19 | 0.14 | 3.08 | 0.78 | 0.14 | 0.30 | -0.21 | 0.42 |
| CWMK4E | 0.79 | 0.78 | 1.64 | 6.48 | 0.40 | 0.42 | 0.37 | 1.61 | 0.05 | 2.99 | 0.61 | 0.40 | 0.49 | 1.81 | 0.47 |
| D7MPC7 | 0.68 | 0.17 | 0.25 | 6.35 | 0.31 | 0.43 | 0.22 | -0.34 | 0.86 | 2.66 | -0.05 | 0.39 | 0.33 | 0.12 | 0.70 |
| DF9V4J | 0.80 | 0.84 | 0.00 | 6.33 | 0.30 | 0.68 | 0.30 | 0.71 | 0.00 | 3.57 | 1.75 | 0.62 | 0.40 | 0.88 | 0.00 |
| DFEY7A | 0.89 | 1.35 | 1.03 | 7.47 | 1.07 | 0.45 | 0.33 | 1.12 | 0.51 | 3.40 | 1.41 | 0.19 | 0.36 | 0.42 | 0.16 |
| DUEXT8 | 0.70 | 0.30 | 0.37 | 6.91 | 0.69 | 0.52 | 0.27 | 0.33 | 0.27 | 3.04 | 0.71 | 0.15 | 0.35 | 0.40 | 0.56 |
| EN39TB | 0.60 | -0.29 | 0.36 | 4.52 | -0.93 | 0.97 | 0.21 | -0.46 | 0.29 | 2.56 | -0.25 | 0.25 | 0.27 | -0.44 | 0.22 |
| EPDZY7 | 0.60 | -0.27 | 0.00 | 4.83 | -0.72 | 0.17 | 0.30 | 0.71 | 0.00 | 2.77 | 0.16 | 0.31 | 0.30 | -0.18 | 0.00 |
| FPDBEA | 0.55 | -0.57 | 0.10 | 4.07 | -1.24 | 0.27 | 0.35 | 1.37 | 1.10 | 2.39 | -0.59 | 0.17 | 0.32 | 0.00 | 0.42 |
| GDU8HA | 0.60 | -0.27 | 0.00 | 4.00 | -1.29 | 0.29 | 0.23 | -0.12 | 1.41 | 2.40 | -0.56 | 0.54 | 0.30 | -0.18 | 0.00 |
| HGXCX4 | 0.99 | 1.90 | 0.16 | 9.67 | 2.58X | 0.33 | 0.21 | -0.44 | 0.06 | 4.74 | 4.06X | 0.09 | 0.44 | 1.36 | 0.40 |
| HH9DJ3 | 0.61 | -0.20 | 0.56 | 5.02 | -0.59 | 0.51 | 0.29 | 0.63 | 3.20 | 2.68 | -0.01 | 1.08 | 0.26 | -0.57 | 1.73 |
| JK7EW4 | 1.00 | 1.94 | 1.76 | 6.10 | 0.14 | 1.47 | 0.33 | 1.12 | 1.41 | 3.93 | 2.47 | 0.83 | 0.53 | 2.29 | 1.60 |
| JQCYVA | 0.62 | -0.17 | 0.18 | 6.43 | 0.37 | 0.20 | 0.20 | -0.51 | 0.53 | 2.81 | 0.25 | 0.45 | 0.30 | -0.23 | 0.13 |

**Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JXALTZ | 0.65 | 0.01 | 0.18 | 5.77 | -0.09 | 0.17 | 0.20 | -0.57 | 0.14 | 2.60 | -0.17 | 0.00 | 0.29 | -0.28 | 0.00 |
| K8FVRD | 0.64 | -0.07 | 0.20 | 7.57 | 1.15 | 0.12 | 0.07 | -2.14 | 0.19 | 3.43 | 1.47 | 0.03 | 0.12 | -2.08 | 0.17 |
| LRY7H4 | 0.55 | -0.55 | 0.53 | 5.40 | -0.34 | 0.29 | 0.16 | -0.99 | 0.93 | 2.20 | -0.96 | 0.54 | 0.27 | -0.53 | 0.89 |
| M6MR24 | 1.11 | 2.56 | 0.23 | 9.20 | 2.26 | 0.27 | 0.29 | 0.61 | 2.11 | 4.54 | 3.67 X | 4.11 | 0.52 | 2.15 | 1.60 |
| MM3234 | 0.77 | 0.69 | 0.89 | 7.20 | 0.89 | 0.78 | 0.21 | -0.41 | 0.24 | 3.23 | 1.09 | 0.83 | 0.37 | 0.60 | 0.58 |
| P3TKWW | 0.56 | -0.49 | 0.00 | 5.95 | 0.04 | 0.02 | 0.18 | -0.78 | 0.41 | 2.72 | 0.08 | 0.07 | 0.31 | -0.09 | 0.61 |
| QBRP96 | 0.63 | -0.10 | | 6.31 | 0.28 | | 0.18 | -0.80 | | 2.69 | 0.01 | | 0.30 | -0.13 | |
| QVFBR8 | 0.86 | 1.17 | 0.21 | 6.82 | 0.64 | 0.11 | 0.25 | 0.15 | 0.31 | 3.57 | 1.75 | 0.09 | 0.41 | 1.02 | 0.49 |
| QZVJF8 | 0.34 | -1.74 | 0.11 | 2.84 | -2.08 | 0.21 | 14.87 | 181.54 X | 23.22 | 2.40 | -0.55 | 1.00 | | | |
| T3QB22 | 0.46 | -1.04 | 0.35 | 5.64 | -0.17 | 0.16 | 0.07 | -2.19 | 0.28 | 2.44 | -0.48 | 0.11 | 0.14 | -1.87 | 0.00 |
| TFKQ8P | 0.66 | 0.07 | 0.10 | 4.86 | -0.70 | 0.36 | 0.33 | 1.09 | 0.72 | 2.66 | -0.04 | 0.51 | 0.39 | 0.77 | 0.66 |
| TQJCHV | 0.88 | 1.28 | 0.00 | 7.37 | 1.01 | 0.63 | 0.23 | -0.16 | 0.00 | 3.49 | 1.59 | 0.05 | 0.33 | 0.18 | 0.16 |
| U7QMX2 | 0.63 | -0.10 | 0.18 | 6.03 | 0.09 | 0.11 | 0.25 | 0.09 | | 2.89 | 0.41 | 0.19 | 0.34 | 0.21 | 0.16 |
| VCB32Y | 0.54 | -0.60 | 0.53 | 4.04 | -1.27 | 0.51 | 0.23 | -0.16 | 0.49 | 2.32 | -0.73 | 0.38 | 0.26 | -0.64 | 0.42 |
| W4XJ8Q | 0.56 | -0.49 | 0.18 | 4.39 | -1.02 | 0.50 | 0.21 | -0.41 | 0.24 | 2.75 | 0.14 | 0.35 | 0.30 | -0.18 | 0.73 |
| WC766T | 0.60 | -0.27 | 0.00 | 4.97 | -0.63 | 0.68 | 0.27 | 0.30 | 1.41 | 2.17 | -1.02 | 0.31 | 0.30 | -0.18 | 0.00 |
| XQLP3R | 0.65 | -0.01 | 0.12 | 5.09 | -0.55 | 0.06 | 0.24 | 0.00 | 0.28 | 2.26 | -0.84 | 0.07 | 0.27 | -0.53 | 0.12 |
| XR3PAN | 0.80 | 0.84 | 0.00 | 4.77 | -0.77 | 0.34 | 0.35 | 1.33 | 1.22 | 2.40 | -0.56 | 0.54 | 0.43 | 1.24 | 1.60 |
| XYHBJR | 0.88 | 1.28 | 0.17 | 5.78 | -0.08 | 0.26 | 0.22 | -0.34 | 0.10 | 3.67 | 1.95 | 0.34 | 0.45 | 1.43 | 0.26 |
| YTNTHL | 0.65 | -0.01 | 4.17 | 4.55 | -0.91 | 4.56 | 0.24 | 0.01 | 2.27 | 2.68 | -0.01 | 5.18 | 0.31 | -0.04 | 3.56 |
| ZTKTVQ | 0.83 | 1.00 | 3.39 | 7.44 | 1.05 | 2.37 | 0.30 | 0.73 | 1.51 | 2.50 | -0.37 | 1.44 | 0.49 | 1.83 | 2.60 |

**Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups**    Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.65 | 5.89 | 0.24 | 2.68 | 0.32 |
| Median Abs Dev | 0.09 | 0.91 | 0.05 | 0.25 | 0.04 |
| Avg Within Lab SD | 0.06 | 0.34 | 0.04 | 0.18 | 0.04 |
| Labs Included | 46 | 45 | 45 | 44 | 45 |
| Labs Reporting | 47 | 47 | 47 | 47 | 46 |

## Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups
Data units: mg/kg

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| M6MR24 | 1.99 | 0.08 | | 4.94 | 0.06 | | 2.79 | 0.70 | | 53.04 | 0.97 | | 1.36 | 1.40 | |
| QBRP96 | 1.45 | | | 4.38 | | | 2.73 | | | 53.88 | | | 0.48 | | |
| ZTKTVQ | 1.55 | 1.41 | | 5.04 | 1.41 | | 2.95 | 1.23 | | 59.04 | 1.03 | | 0.11 | 0.19 | |

## Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups
Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 1.55 | 4.94 | 2.79 | 53.9 | 0.48 |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 0.26 | 0.71 | 0.54 | 9.0 | 0.68 |
| Labs Included | 3 | 3 | 3 | 3 | 3 |
| Labs Reporting | 3 | 3 | 3 | 3 | 3 |

**Mn-H3PO4 (SubTestCode 175) in the Micronutrients Property Groups**  Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| M6MR24 | 32.3 | 1.00 | | 115.3 | 1.00 | | 33.0 | 1.00 | | 59.4 | 1.00 | | 29.2 | 1.00 | |

**Mn-H3PO4 (SubTestCode 175) in the Micronutrients Property Groups**  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 32.3 | 115.3 | 33.0 | 59.4 | 29.2 |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 0.4 | 1.1 | 1.7 | 10.9 | 0.7 |
| Labs Included | 1 | 1 | 1 | 1 | 1 |
| Labs Reporting | 1 | 1 | 1 | 1 | 1 |

## Cl - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 8.77 | 0.92 | 0.26 | 5.67 | 0.82 | 1.28 | 33.17 | 1.04 | 0.47 | 16.17 | 0.72 | 0.22 | 10.50 | 1.45 | 0.51 |
| 6ATHQD | 4.30 | -0.51 | 0.06 | 10.17 | 2.47 | 2.29 | 23.00 | -0.72 | 0.45 | 11.33 | 0.00 | 0.12 | 7.53 | 0.07 | 0.38 |
| 6PQCHL | 3.87 | -0.64 | 0.07 | 2.70 | -0.27 | 0.71 | 21.30 | -1.01 | 0.24 | 11.37 | 0.00 | 0.07 | 5.13 | -1.04 | 0.14 |
| 7NAFPM | 8.17 | 0.73 | 0.15 | 6.76 | 1.22 | 0.66 | 28.07 | 0.16 | 0.65 | 14.22 | 0.43 | 0.11 | 8.90 | 0.71 | 0.16 |
| 7ZNKQG | 93.10 | 27.85**X** | 0.09 | 13.47 | 3.68**X** | 0.33 | 124.33 | 16.82**X** | 0.52 | 142.33 | 19.69**X** | 0.76 | 108.33 | 46.79**X** | 4.12 |
| FPDBEA | 4.67 | -0.39 | 0.18 | 1.83 | -0.59 | 0.41 | 27.67 | 0.09 | 0.13 | 6.17 | -0.78 | 0.06 | 6.00 | -0.64 | 0.59 |
| GZQVCB | 7.93 | 0.66 | 0.32 | 3.07 | -0.13 | 0.16 | 20.30 | -1.18 | 0.42 | 9.53 | -0.27 | 0.26 | 6.33 | -0.48 | 0.59 |
| HGXCX4 | 4.98 | -0.29 | 0.34 | 3.75 | 0.12 | 0.06 | 13.99 | -2.27 | 0.32 | 5.11 | -0.94 | 0.01 | 7.21 | -0.07 | 0.33 |
| HH9DJ3 | 5.07 | -0.26 | 0.45 | 3.12 | -0.12 | 0.43 | 24.50 | -0.46 | 1.26 | 11.47 | 0.02 | 0.45 | 5.84 | -0.71 | 1.11 |
| JK7EW4 | 10.67 | 1.53 | 3.04 | 3.07 | -0.13 | 0.08 | 28.07 | 0.16 | 0.39 | 9.77 | -0.24 | 0.35 | 7.60 | 0.11 | 1.77 |
| M6MR24 | 11.40 | 1.76 | 1.48 | 8.63 | 1.91 | 1.93 | 30.97 | 0.66 | 3.01 | 36.63 | 3.80 | 3.39 | 12.13 | 2.21 | 2.52 |
| P3TKWW | 5.23 | -0.21 | 0.04 | 3.07 | -0.13 | 0.08 | 26.60 | -0.09 | 0.08 | 9.17 | -0.33 | 0.01 | 6.63 | -0.34 | 0.07 |
| W4XJ8Q | 6.53 | 0.21 | 0.13 | 3.93 | 0.18 | 0.25 | 28.51 | 0.24 | 0.03 | 15.05 | 0.56 | 0.03 | 7.95 | 0.27 | 0.03 |

## Cl - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 5.88 | 3.43 | 27.1 | 11.4 | 7.37 |
| Median Abs Dev | 1.80 | 0.61 | 3.2 | 2.5 | 1.21 |
| Avg Within Lab SD | 1.57 | 0.70 | 2.2 | 4.6 | 0.85 |
| Labs Included | 12 | 12 | 12 | 12 | 12 |
| Labs Reporting | 13 | 13 | 13 | 13 | 13 |

**B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups**  Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 0.18 | -0.49 | 0.22 | 0.44 | 0.02 | 0.62 | 0.14 | -0.76 | 0.41 | 1.13 | -0.25 | 0.14 | 0.52 | -0.51 | 0.27 |
| 3UUGAM | 0.29 | 0.29 | 0.12 | 0.47 | 0.15 | 0.02 | 0.29 | 0.34 | 0.13 | 1.60 | 0.29 | 0.04 | 0.75 | 0.05 | 0.19 |
| 72EX2L | 0.32 | 0.48 | 0.02 | 0.56 | 0.58 | 0.04 | 0.32 | 0.54 | 0.11 | 1.86 | 0.61 | 0.04 | 0.88 | 0.38 | 0.04 |
| 7GNP4R | 0.49 | 1.73 | 0.13 | 0.41 | -0.16 | 0.92 | 0.43 | 1.34 | 2.81 | 0.46 | -1.05 | 0.17 | 0.38 | -0.85 | 0.14 |
| 7ZNKQG | 0.06 | -1.40 | 0.11 | 0.14 | -1.44 | 0.56 | 0.08 | -1.13 | 0.72 | 0.55 | -0.94 | 0.81 | 0.28 | -1.10 | 0.44 |
| 8LG4AD | 0.10 | -1.10 | 0.00 | 0.22 | -1.07 | 0.19 | 0.10 | -1.01 | 0.00 | 0.68 | -0.78 | 0.08 | 0.34 | -0.95 | 0.50 |
| BPNQC8 | | | | 0.67 | 1.13 | 0.75 | | | | 1.91 | 0.66 | 0.34 | 0.95 | 0.55 | 1.92 |
| CMCHHD | 0.28 | 0.20 | 0.11 | 0.70 | 1.29 | 0.13 | 0.27 | 0.17 | 0.44 | 2.03 | 0.81 | 0.35 | 1.08 | 0.88 | 0.26 |
| D7MPC7 | 0.19 | -0.45 | 0.17 | 0.01 | -2.09 | 0.19 | 0.14 | -0.70 | 0.40 | 0.89 | -0.53 | 0.38 | 0.16 | -1.41 | 2.14 |
| DF9V4J | 0.08 | -1.24 | 0.00 | 0.28 | -0.79 | 0.49 | 0.11 | -0.97 | 0.54 | 0.74 | -0.71 | 0.29 | 0.84 | 0.29 | 0.32 |
| DUEXT8 | 0.44 | 1.38 | 0.09 | 1.03 | 2.91 X | 0.74 | 0.35 | 0.74 | 0.49 | 2.76 | 1.66 | 0.34 | 1.58 | 2.11 | 0.47 |
| EN39TB | 0.25 | 0.01 | 0.03 | 0.52 | 0.40 | 0.34 | 0.35 | 0.77 | 0.77 | 1.45 | 0.12 | 0.23 | 0.60 | -0.31 | 0.27 |
| GDU8HA | 0.20 | -0.37 | 0.00 | 0.43 | -0.02 | 1.11 | 0.30 | 0.40 | 0.00 | 2.70 | 1.59 | 0.82 | 1.03 | 0.76 | 0.90 |
| HGXCX4 | 0.25 | -0.01 | 0.00 | 0.46 | 0.11 | 0.07 | 0.24 | -0.01 | 0.10 | 0.68 | -0.78 | 0.47 | 0.74 | 0.03 | 0.19 |
| HH9DJ3 | 0.37 | 0.85 | 1.02 | 0.49 | 0.25 | 3.69 | 0.25 | 0.01 | 2.28 | 1.35 | 0.00 | 3.76 | 0.71 | -0.04 | 2.99 |
| M6MR24 | 0.10 | -1.11 | 0.21 | 0.40 | -0.21 | 0.15 | 0.10 | -1.02 | 1.04 | 0.90 | -0.53 | 1.01 | 0.74 | 0.04 | 0.38 |
| MM3234 | 0.29 | 0.28 | 0.47 | 0.57 | 0.66 | 0.87 | 0.19 | -0.38 | 0.61 | 1.77 | 0.50 | 1.25 | 1.10 | 0.92 | 0.00 |
| VCB32Y | 0.19 | -0.42 | 0.16 | 0.41 | -0.14 | 0.39 | 0.37 | 0.91 | 1.59 | 1.39 | 0.05 | 0.33 | 0.39 | -0.82 | 0.24 |
| XQLP3R | 0.32 | 0.49 | 4.24 | 0.28 | -0.79 | 0.10 | 0.10 | -1.05 | 0.07 | 0.68 | -0.79 | 0.06 | 0.36 | -0.90 | 0.03 |
| ZN8YQT | 0.27 | 0.16 | 0.06 | 0.63 | 0.92 | 0.22 | 0.26 | 0.09 | 0.20 | 1.74 | 0.46 | 0.78 | 0.73 | 0.00 | 1.09 |
| ZTKTVQ | 0.11 | -1.02 | 0.75 | 0.18 | -1.26 | 1.25 | 0.08 | -1.14 | 0.79 | 0.46 | -1.05 | 1.15 | 0.22 | -1.25 | 0.71 |

**B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups**                                  Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.25 | 0.44 | 0.24 | 1.35 | 0.73 |
| Median Abs Dev | 0.07 | 0.13 | 0.11 | 0.56 | 0.31 |
| Avg Within Lab SD | 0.10 | 0.05 | 0.03 | 0.12 | 0.06 |
| Labs Included | 20 | 20 | 20 | 21 | 21 |
| Labs Reporting | 20 | 21 | 20 | 21 | 21 |

## B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups

Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 0.10 | 1.16 | 0.00 | 0.38 | 1.87 | 0.70 | 0.25 | 2.51 | 0.75 | 0.90 | 0.45 | 0.90 | 0.87 | 0.22 | 0.42 |
| 3WWADT | 0.08 | 0.47 | 1.87 | 0.28 | 0.41 | 1.92 | 0.12 | 0.25 | 2.42 | 1.00 | 0.93 | 1.13 | 0.90 | 0.38 | 2.71 |
| 6ATHQD | 0.06 | 0.00 | 0.30 | 0.35 | 1.43 | 1.41 | 0.16 | 0.88 | 0.57 | 0.91 | 0.49 | 1.03 | 0.86 | 0.19 | 0.81 |
| 7NAFPM | 0.06 | -0.24 | 2.10 | 0.22 | -0.49 | 0.97 | 0.11 | 0.00 | 0.23 | 0.80 | 0.00 | 0.83 | 0.78 | -0.25 | 0.46 |
| EPDZY7 | 0.10 | 1.16 | 0.00 | 0.20 | -0.79 | 0.00 | 0.10 | -0.11 | 0.00 | 0.50 | -1.37 | | 0.50 | -1.68 | |
| FPDBEA | 0.06 | -0.02 | 1.51 | 0.18 | -1.04 | 0.41 | 0.08 | -0.52 | 0.43 | 0.76 | -0.16 | 0.34 | 0.83 | 0.00 | 0.19 |
| JK7EW4 | 0.10 | 1.16 | 0.00 | 0.30 | 0.69 | 0.00 | 0.13 | 0.47 | 2.16 | 1.07 | 1.22 | 1.29 | 1.00 | 0.89 | |
| LRY7H4 | 0.04 | -0.78 | 0.99 | 0.19 | -0.94 | 1.41 | 0.14 | 0.65 | 0.78 | 0.62 | -0.82 | 0.22 | 0.60 | -1.18 | 0.25 |
| P3TKWW | 0.02 | -1.36 | 1.09 | 0.26 | 0.05 | 0.45 | 0.05 | -1.03 | 0.24 | 1.02 | 1.02 | 0.43 | 1.05 | 1.16 | 0.31 |
| TFKQ8P | 0.08 | 0.43 | 0.15 | 0.25 | -0.05 | 0.95 | 0.10 | -0.09 | 0.12 | 0.91 | 0.49 | 0.73 | 0.91 | 0.41 | 0.75 |
| W4XJ8Q | 0.05 | -0.32 | 0.20 | 0.04 | -3.09X | 0.16 | 0.02 | -1.45 | 0.15 | 0.71 | -0.39 | 0.26 | 0.72 | -0.56 | 0.07 |
| WC766T | 0.05 | -0.45 | 0.99 | 0.22 | -0.54 | 0.81 | 0.11 | 0.12 | 0.22 | 0.68 | -0.54 | 0.22 | 0.70 | -0.67 | 0.51 |
| XR3PAN | 0.10 | 1.16 | 0.00 | 0.20 | -0.79 | 0.00 | 0.10 | -0.11 | 0.00 | 0.75 | -0.22 | 1.12 | 0.67 | -0.82 | 0.70 |
| XYHBJR | 0.06 | -0.10 | 1.20 | 0.26 | 0.10 | 0.28 | 0.09 | -0.22 | 0.85 | 1.13 | 1.51 | 1.40 | 1.05 | 1.17 | 0.07 |
| YTNTHL | 0.10 | 1.28 | 0.30 | 0.27 | 0.25 | 1.71 | 0.20 | 1.71 | 1.36 | 0.69 | -0.49 | 2.07 | 0.72 | -0.54 | 1.76 |

## B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups

Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.064 | 0.25 | 0.11 | 0.80 | 0.83 |
| Median Abs Dev | 0.015 | 0.04 | 0.03 | 0.11 | 0.11 |
| Avg Within Lab SD | 0.010 | 0.01 | 0.03 | 0.04 | 0.08 |
| Labs Included | 15 | 14 | 15 | 15 | 15 |
| Labs Reporting | 15 | 15 | 15 | 15 | 15 |

## Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups

Data units: Percent

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 0.10 | -0.43 | 0.28 | 0.17 | 0.18 | 0.56 | 0.07 | -0.21 | 0.32 | 0.20 | 0.28 | 0.23 | 0.10 | 0.00 | 0.64 |
| 8Q9F3N | 0.08 | -1.84 | 1.38 | 0.15 | -1.44 | 1.28 | 0.08 | 0.62 | 0.73 | 0.20 | 0.37 | 1.09 | 0.10 | 0.00 | 0.77 |
| DUEXT8 | 0.11 | 0.13 | 0.58 | 0.19 | 2.03 | 0.23 | 0.10 | 2.27 | 0.21 | 0.23 | 1.98 | 0.33 | 0.12 | 1.94 | 0.47 |
| FJLEZH | 0.13 | 1.19 | 2.39 | 0.17 | 0.66 | 0.74 | 0.15 | 6.77**X** | 1.27 | 0.16 | -1.48 | 1.96 | 0.17 | 6.56**X** | 0.77 |
| GZQVCB | 0.12 | 0.38 | 0.80 | 0.16 | -0.84 | 0.74 | 0.07 | -0.27 | 0.19 | 0.17 | -1.15 | 0.33 | 0.11 | 0.73 | 0.51 |
| JK7EW4 | 0.12 | 0.67 | 1.07 | 0.18 | 0.90 | 2.77 | 0.10 | 2.10 | 3.04 | 0.20 | 0.59 | 2.10 | 0.12 | 1.62 | 2.87 |
| K8FVRD | 0.10 | -0.63 | 0.00 | 0.16 | -0.78 | 0.07 | 0.07 | -0.42 | 0.00 | 0.17 | -1.04 | 0.36 | 0.10 | -0.83 | 0.31 |
| LLQW29 | 0.09 | -1.49 | 0.91 | 0.17 | -0.05 | 0.23 | 0.07 | -0.18 | 0.17 | 0.19 | -0.02 | 1.06 | 0.10 | -0.12 | 0.20 |
| P3TKWW | 0.11 | 0.00 | 0.56 | 0.17 | 0.00 | 0.00 | 0.08 | 0.10 | 0.07 | 0.19 | -0.13 | 0.05 | 0.10 | -0.55 | 0.13 |
| W69CWY | 0.11 | -0.20 | 0.22 | 0.17 | 0.46 | 0.39 | 0.08 | 0.46 | 0.04 | 0.20 | 0.37 | 0.02 | 0.11 | 0.60 | 0.13 |
| XQLP3R | 0.12 | 0.46 | 0.13 | 0.16 | -0.09 | 0.19 | 0.08 | -0.10 | 0.17 | 0.19 | 0.00 | 0.12 | 0.10 | -0.35 | 0.31 |

## Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups

Data units: Percent

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.11 | 0.17 | 0.077 | 0.19 | 0.10 |
| Median Abs Dev | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 |
| Avg Within Lab SD | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 |
| Labs Included | 11 | 11 | 10 | 11 | 10 |
| Labs Reporting | 11 | 11 | 11 | 11 | 11 |

**Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups**
        **Data units: Percent**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2W2DFK | 0.10 | -0.24 | 1.21 | 0.17 | -0.11 | 1.07 | 0.09 | 0.53 | 1.37 | 0.20 | 0.16 | 1.03 | 0.11 | 0.61 | 0.00 |
| 3UUGAM | 0.11 | 0.04 | 0.64 | 0.19 | 1.45 | 0.32 | 0.09 | 0.56 | 0.63 | 0.21 | 0.94 | 0.27 | 0.10 | -0.57 | 0.71 |
| 3WWADT | 0.09 | -1.41 | 2.25 | 0.16 | -0.87 | 1.14 | 0.06 | -1.72 | 1.21 | 0.19 | -0.25 | 1.28 | 0.09 | -1.44 | 0.89 |
| 6PQCHL | 0.10 | -0.63 | 0.61 | 0.17 | -0.06 | 0.28 | 0.08 | -0.05 | 0.60 | 0.19 | -0.04 | 0.27 | 0.10 | -0.23 | 0.14 |
| 86VF6P | 0.09 | -1.18 | 0.56 | 0.17 | -0.09 | 0.56 | 0.07 | -0.64 | 0.27 | 0.19 | -0.04 | 0.37 | 0.10 | -0.23 | 0.14 |
| 8Q9F3N | 0.10 | -0.79 | 1.21 | 0.17 | -0.11 | 1.07 | 0.08 | 0.25 | 1.37 | 0.20 | 0.16 | 2.07 | 0.10 | -0.15 | 1.42 |
| 9D72ND | 0.12 | 0.88 | 1.21 | 0.18 | 0.74 | 1.07 | 0.09 | 0.81 | 0.00 | 0.20 | 0.74 | 1.03 | 0.11 | 0.23 | 1.42 |
| BBPT8N | 0.07 | -3.26**X** | 0.71 | 0.12 | -3.96**X** | 0.11 | 0.06 | -1.31 | 0.77 | 0.14 | -4.54**X** | 1.09 | 0.07 | -3.78**X** | 0.40 |
| FPDBEA | 0.13 | 2.05 | 1.27 | 0.18 | 1.39 | 1.39 | 0.10 | 1.29 | 1.31 | 0.20 | 0.28 | 0.82 | 0.11 | 0.54 | 1.02 |
| FZPP8A | 0.11 | -0.04 | 0.24 | 0.17 | 0.00 | 0.19 | 0.07 | -0.81 | 0.27 | 0.19 | -0.30 | 0.45 | 0.10 | -0.80 | 0.14 |
| GRFTQA | 0.10 | -0.35 | 0.00 | 0.17 | 0.00 | 0.00 | 0.08 | 0.12 | 0.00 | 0.19 | -0.07 | 0.00 | 0.11 | 0.15 | 0.00 |
| GZQVCB | 0.10 | -0.35 | 0.56 | 0.17 | -0.03 | 1.06 | 0.07 | -0.50 | 0.50 | 0.18 | -0.86 | 0.46 | 0.10 | -0.23 | 1.24 |
| HH9DJ3 | 0.11 | 0.10 | 1.91 | 0.18 | 0.71 | 3.14 | 0.08 | -0.22 | 1.42 | 0.20 | 0.04 | 1.17 | 0.10 | -0.20 | 0.77 |
| JBV4FD | 0.09 | -1.10 | 0.21 | 0.14 | -1.99 | 0.28 | 0.07 | -0.98 | 0.14 | 0.18 | -1.65 | 0.68 | 0.09 | -2.22 | 0.62 |
| K8FVRD | 0.12 | 0.76 | 1.26 | 0.17 | 0.17 | 1.03 | 0.08 | 0.03 | 1.33 | 0.20 | 0.09 | 1.20 | 0.11 | 0.44 | 0.63 |
| LLQW29 | 0.12 | 0.93 | 1.21 | 0.18 | 1.02 | 0.32 | 0.09 | 1.20 | 0.55 | 0.22 | 2.41 | 0.81 | 0.12 | 1.45 | 0.51 |
| LRT3FC | 0.11 | 0.60 | 1.21 | 0.18 | 1.02 | 0.00 | 0.09 | 0.81 | 0.00 | 0.19 | -0.13 | 1.03 | 0.11 | 0.99 | 1.42 |
| MM3234 | 0.12 | 1.16 | 0.00 | 0.16 | -0.97 | 1.07 | 0.09 | 0.71 | 1.60 | 0.19 | -0.42 | 1.79 | 0.11 | 0.61 | 2.46 |
| P3TKWW | 0.12 | 1.13 | 0.12 | 0.19 | 1.54 | 0.49 | 0.10 | 1.82 | 0.95 | 0.22 | 2.35 | 0.36 | 0.12 | 1.84 | 0.62 |
| R4PY67 | 0.11 | 0.04 | 1.21 | 0.18 | 1.31 | 1.07 | 0.08 | -0.03 | 2.38 | 0.21 | 1.31 | 1.79 | 0.10 | -0.15 | 1.42 |
| TQJCHV | 0.11 | 0.22 | 0.22 | 0.17 | -0.18 | 0.44 | 0.36 | 23.46**X** | 110.09 | 0.19 | -0.49 | 1.09 | 0.11 | 0.98 | 0.66 |
| W4XJ8Q | 0.10 | -0.47 | 0.41 | 0.15 | -1.24 | 0.79 | 0.08 | -0.27 | 0.23 | 0.18 | -1.01 | 0.86 | 0.10 | -0.73 | 1.08 |
| XQLP3R | 0.12 | 0.98 | 0.20 | 0.16 | -0.26 | 0.27 | 0.08 | -0.40 | 0.31 | 0.19 | -0.41 | 0.23 | 0.10 | -0.54 | 0.56 |
| Y2X9YT | 0.10 | -0.52 | 0.00 | 0.17 | 0.17 | 0.00 | 0.08 | -0.03 | 0.00 | 0.21 | 1.31 | 0.00 | 0.11 | 0.23 | 1.42 |
| ZH6KBJ | 0.10 | -0.24 | 1.21 | 0.18 | 0.74 | 1.07 | 0.09 | 1.09 | 1.37 | 0.20 | 0.74 | 1.03 | 0.11 | 0.61 | 0.00 |

**Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups**　　　　　Data units: Percent

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 0.11 | 0.17 | 0.080 | 0.19 | 0.10 |
| **Median Abs Dev** | 0.01 | 0.01 | 0.007 | 0.00 | 0.00 |
| **Avg Within Lab SD** | 0.00 | 0.01 | 0.004 | 0.01 | 0.00 |
| **Labs Included** | 24 | 24 | 24 | 24 | 24 |
| **Labs Reporting** | 25 | 25 | 25 | 25 | 25 |

**Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups**  **Data units: Percent**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3UUGAM | 1.26 | 0.32 | 0.54 | 1.77 | 1.53 | 0.16 | 0.91 | 1.75 | 0.37 | 2.07 | 0.88 | 0.34 | 2.98 | 0.23 | 0.35 |
| 6PQCHL | 1.23 | -0.32 | 0.00 | 1.61 | -0.27 | 1.00 | 0.81 | 0.47 | 0.05 | 1.86 | -0.75 | 0.00 | 1.30 | -1.20 | 1.10 |
| 86VF6P | 1.24 | -0.13 | 0.26 | 1.63 | -0.12 | 0.16 | 0.79 | 0.07 | 0.06 | 1.94 | -0.10 | 0.55 | 2.75 | 0.03 | 0.29 |
| 8Q9F3N | 1.26 | 0.19 | 0.65 | 1.65 | 0.14 | 0.75 | 0.80 | 0.28 | 1.12 | 2.02 | 0.52 | 1.15 | 2.80 | 0.08 | 0.29 |
| BBPT8N | 1.20 | -0.86 | 0.34 | 1.42 | -2.42 | 0.19 | 1.05 | 3.75**X** | 0.66 | 0.08 | -14.50**X** | 0.16 | 0.02 | -2.29 | 0.07 |
| FZPP8A | 1.26 | 0.22 | 0.83 | 1.65 | 0.19 | 0.28 | 0.70 | -1.13 | 0.46 | 1.91 | -0.36 | 0.29 | 2.78 | 0.05 | 0.26 |
| GRFTQA | 1.21 | -0.63 | 0.00 | 1.60 | -0.45 | 0.00 | 0.78 | 0.00 | 0.00 | 1.91 | -0.35 | 0.00 | 2.70 | -0.01 | 0.00 |
| GZQVCB | 1.27 | 0.39 | 0.64 | 1.65 | 0.14 | 0.12 | 0.83 | 0.70 | 0.06 | 1.99 | 0.25 | 0.26 | 2.72 | 0.01 | 0.18 |
| HH9DJ3 | 1.25 | 0.06 | 1.16 | 1.63 | -0.06 | 2.31 | 0.74 | -0.56 | 0.71 | 1.91 | -0.39 | 0.79 | 1.30 | -1.20 | 1.66 |
| JBV4FD | 1.25 | 0.15 | 1.27 | 1.59 | -0.58 | 0.21 | 0.75 | -0.46 | 0.55 | 1.90 | -0.45 | 0.37 | 0.95 | -1.50 | 0.11 |
| JQCYVA | 1.18 | -1.19 | 0.10 | 1.59 | -0.55 | 0.33 | 0.76 | -0.32 | 0.72 | 1.91 | -0.35 | 0.29 | 1.67 | -0.88 | 0.09 |
| JXALTZ | 1.32 | 1.47 | 0.98 | 1.78 | 1.57 | 0.16 | 0.86 | 1.06 | 0.51 | 2.15 | 1.49 | 0.29 | 3.01 | 0.26 | 0.57 |
| K8FVRD | 1.29 | 0.83 | 0.51 | 1.64 | 0.08 | 0.14 | 0.87 | 1.24 | 3.04 | 2.25 | 2.26 | 1.09 | 0.94 | -1.51 | 0.61 |
| LLQW29 | 1.16 | -1.69 | 0.39 | 1.55 | -0.95 | 0.31 | 0.71 | -0.95 | 0.81 | 2.03 | 0.57 | 0.79 | 2.78 | 0.06 | 0.22 |
| LRT3FC | 1.25 | 0.00 | 0.91 | 1.67 | 0.33 | 0.59 | 0.68 | -1.38 | 1.84 | 2.04 | 0.67 | 1.04 | 2.87 | 0.14 | 0.72 |
| P3TKWW | 1.14 | -2.10 | 0.63 | 1.52 | -1.32 | 0.23 | 0.74 | -0.51 | 0.07 | 1.85 | -0.83 | 0.27 | 0.76 | -1.66 | 0.22 |
| TQJCHV | 1.30 | 0.93 | 0.79 | 1.74 | 1.14 | 0.22 | 0.77 | -0.18 | 1.29 | 2.10 | 1.07 | 0.90 | 3.01 | 0.26 | 0.40 |
| XQLP3R | 2.02 | 14.74**X** | 0.01 | 1.75 | 1.25 | 0.02 | 0.86 | 1.13 | 0.03 | 2.00 | 0.36 | 0.05 | 0.86 | -1.57 | 0.05 |
| ZH6KBJ | 1.19 | -1.09 | 1.44 | 1.64 | 0.06 | 0.33 | 0.81 | 0.41 | 0.65 | 1.96 | 0.00 | 1.13 | 2.86 | 0.13 | 1.65 |
| ZTKTVQ | 1.23 | -0.26 | 2.96 | 1.61 | -0.33 | 3.47 | 0.76 | -0.21 | 0.66 | 1.80 | -1.18 | 3.34 | 2.20 | -0.44 | 3.38 |

**Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups**  **Data units: Percent**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 1.25 | 1.64 | 0.78 | 1.96 | 2.71 |
| Median Abs Dev | 0.02 | 0.03 | 0.04 | 0.07 | 0.30 |
| Avg Within Lab SD | 0.04 | 0.04 | 0.04 | 0.06 | 0.07 |
| Labs Included | 19 | 20 | 19 | 19 | 20 |
| Labs Reporting | 20 | 20 | 20 | 20 | 20 |

**SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups**  
Data units: Percent

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72EX2L | 2.40 | 0.41 | 0.18 | 2.92 | -0.02 | 0.31 | 1.44 | 0.08 | 0.30 | 3.53 | 0.28 | 0.30 | 1.60 | 0.34 | 0.52 |
| 7ZNKQG | 1.95 | -0.98 | 0.45 | 2.07 | -1.99 | 0.31 | 0.88 | -1.50 | 0.23 | 2.25 | -3.19 | 1.49 | 1.25 | -1.66 | 0.43 |
| BBPT8N | 2.43 | 0.50 | 0.18 | 3.20 | 0.62 | 0.15 | 1.38 | -0.10 | 0.13 | 3.66 | 0.62 | 0.05 | 1.73 | 1.05 | 0.36 |
| CABJUG | 2.37 | 0.29 | 0.16 | 3.15 | 0.52 | 0.09 | 1.47 | 0.17 | 0.15 | 3.64 | 0.57 | 0.05 | 1.66 | 0.69 | 0.30 |
| D7MPC7 | 2.72 | 1.38 | 3.12 | 2.74 | -0.44 | 3.43 | 1.52 | 0.30 | 1.69 | 3.76 | 0.91 | 3.85 | 1.99 | 2.53 | 2.83 |
| DUEXT8 | 4.13 | 5.70**X** | 2.72 | 2.51 | -0.96 | 0.26 | 2.80 | 3.88 | 2.01 | 3.68 | 0.68 | 0.32 | 1.53 | -0.08 | 1.26 |
| FJLEZH | 0.54 | -5.30**X** | 0.21 | 0.66 | -5.24**X** | 0.08 | 0.08 | -3.74**X** | 0.09 | 0.84 | -7.02**X** | 0.03 | 0.34 | -6.76**X** | 0.07 |
| GDU8HA | 2.07 | -0.62 | 0.49 | 2.17 | -1.76 | 0.29 | 1.40 | -0.04 | 0.00 | 3.07 | -0.99 | 0.30 | 1.40 | -0.79 | 0.00 |
| GZQVCB | 2.19 | -0.25 | 0.29 | 2.64 | -0.66 | 0.55 | 1.49 | 0.22 | 0.47 | 3.36 | -0.20 | 0.37 | 1.40 | -0.79 | 0.86 |
| K8FVRD | 2.35 | 0.25 | 0.33 | 3.29 | 0.84 | 0.33 | 1.48 | 0.19 | 0.05 | 3.52 | 0.23 | 0.18 | 1.71 | 0.94 | 0.26 |
| KWX8YZ | 2.39 | 0.37 | 1.25 | 4.08 | 2.67 | 1.26 | 1.29 | -0.34 | 0.97 | 4.00 | 1.54 | 1.13 | 1.54 | 0.00 | 1.23 |
| LLQW29 | 2.02 | -0.76 | 1.03 | 2.82 | -0.25 | 0.24 | 1.38 | -0.08 | 0.16 | 3.32 | -0.30 | 0.00 | 1.52 | -0.10 | 0.21 |
| LRY7H4 | 2.08 | -0.59 | 0.26 | 2.71 | -0.49 | 0.45 | 1.35 | -0.19 | 0.32 | 2.84 | -1.61 | 0.35 | 1.65 | 0.64 | 0.88 |
| P3TKWW | 2.94 | 2.06 | 2.34 | 3.56 | 1.46 | 0.80 | 1.86 | 1.24 | 0.74 | 3.94 | 1.39 | 0.69 | 2.11 | 3.20 | 1.24 |
| PTLTHV | 2.27 | 0.00 | 0.31 | 3.03 | 0.24 | 0.23 | 1.35 | -0.17 | 0.27 | 3.41 | -0.06 | 0.18 | 1.53 | -0.08 | 0.36 |
| QBRP96 | 2.27 | 0.00 | | 3.03 | 0.24 | | 177.00 | 492.35**X** | | 3.37 | -0.16 | | 1.58 | 0.23 | |
| QVFBR8 | 2.10 | -0.53 | 0.05 | 2.87 | -0.14 | 0.03 | 1.31 | -0.30 | 0.05 | 3.23 | -0.53 | 0.03 | 1.53 | -0.04 | 0.07 |
| T3QB22 | 2.13 | -0.43 | 0.25 | 2.96 | 0.08 | 0.18 | 1.36 | -0.15 | 0.23 | 3.38 | -0.14 | 0.29 | 1.53 | -0.04 | 0.17 |
| U7QMX2 | 2.10 | -0.52 | 0.34 | 2.84 | -0.20 | 0.09 | 1.41 | 0.00 | 0.64 | 3.33 | -0.27 | 0.50 | 1.54 | 0.00 | 0.41 |
| W69CWY | 2.32 | 0.15 | 0.16 | 3.15 | 0.51 | 0.20 | 1.48 | 0.19 | 0.01 | 3.64 | 0.58 | 0.24 | 1.64 | 0.56 | 0.05 |
| WC766T | 2.23 | -0.11 | 0.98 | 2.93 | 0.02 | 1.04 | 3.03 | 4.54 | 2.73 | 3.47 | 0.10 | 1.09 | 1.57 | 0.15 | 2.36 |
| XQLP3R | 3.48 | 3.70 | 0.01 | 3.02 | 0.20 | 0.01 | 1.49 | 0.20 | 0.02 | 3.45 | 0.06 | 0.03 | 1.48 | -0.32 | 0.07 |
| ZTKTVQ | 2.19 | -0.25 | 0.36 | 2.69 | -0.54 | 2.17 | 1.31 | -0.29 | 2.02 | 3.28 | -0.41 | 0.08 | 1.43 | -0.62 | 0.33 |

**SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups**   **Data units: Percent**

|  | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 2.27 | 2.93 | 1.41 | 3.43 | 1.54 |
| Median Abs Dev | 0.14 | 0.22 | 0.07 | 0.17 | 0.08 |
| Avg Within Lab SD | 0.12 | 0.20 | 0.12 | 0.19 | 0.09 |
| Labs Included | 21 | 22 | 21 | 22 | 22 |
| Labs Reporting | 23 | 23 | 23 | 23 | 23 |

**SOM - LOI ( % Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups**      **Data units: Percent**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3UUGAM | 5.62 | -0.07 | 0.71 | 3.16 | -0.53 | 0.41 | 1.40 | -0.47 | 0.28 | 3.53 | -0.28 | 0.56 | 1.68 | -0.51 | 0.35 |
| 3WWADT | 5.20 | -1.23 | 0.35 | 3.09 | -0.80 | 0.77 | 1.36 | -0.78 | 0.84 | 3.21 | -1.57 | 0.17 | 1.56 | -1.37 | 0.26 |
| 44YNNM | 6.07 | 1.18 | 0.50 | 3.51 | 0.90 | 0.39 | 1.57 | 0.94 | 1.00 | 3.78 | 0.76 | 0.22 | 1.86 | 0.69 | 0.00 |
| 6ATHQD | 5.43 | -0.58 | 0.56 | 3.23 | -0.23 | 0.88 | 1.47 | 0.11 | 1.05 | 3.50 | -0.39 | | 1.73 | -0.17 | 0.98 |
| 7GNP4R | 1.64 | -11.13X | 0.59 | 2.40 | -3.64 | 0.57 | 2.33 | 7.32X | 2.57 | 3.27 | -1.35 | 0.40 | 0.91 | -5.79X | 1.16 |
| 7JU83M | 5.63 | -0.04 | 0.10 | 3.35 | 0.27 | 0.18 | 1.51 | 0.47 | 0.18 | 3.16 | -1.81 | 0.13 | 1.61 | -1.01 | 0.17 |
| 7NAFPM | 5.62 | -0.08 | 0.71 | 3.49 | 0.84 | 0.52 | 1.60 | 1.24 | 0.87 | 3.72 | 0.52 | 0.98 | 1.90 | 0.97 | 0.41 |
| 7ZNKQG | 5.59 | -0.14 | 0.20 | 3.64 | 1.43 | 0.09 | 1.55 | 0.80 | 0.36 | 4.11 | 2.11 | 0.13 | 1.99 | 1.57 | 0.00 |
| 86VF6P | 5.79 | 0.42 | 0.11 | 3.24 | -0.21 | 0.18 | 1.41 | -0.33 | 0.11 | 3.65 | 0.24 | 0.25 | 1.71 | -0.35 | 0.20 |
| 8Q9F3N | 2.21 | -9.54X | 3.79 | 1.56 | -7.12X | 1.77 | 0.58 | -7.26X | 5.52 | 1.41 | -9.01X | 3.27 | 0.72 | -7.03X | 3.29 |
| 9D72ND | 5.30 | -0.95 | 0.00 | 3.07 | -0.91 | 0.88 | 1.13 | -2.66 | 2.11 | 3.50 | -0.39 | 1.10 | 1.43 | -2.21 | 0.98 |
| BVW8T9 | 5.85 | 0.57 | 0.68 | 2.65 | -2.64 | 2.04 | 1.35 | -0.89 | 0.59 | 3.37 | -0.91 | 0.71 | 1.76 | 0.01 | 0.34 |
| CWMK4E | 5.19 | -1.26 | 0.16 | 3.16 | -0.52 | 0.41 | 1.43 | -0.19 | 0.23 | 3.27 | -1.33 | 0.45 | 1.61 | -0.99 | 0.32 |
| D7MPC7 | 4.46 | -3.29 | 0.52 | 3.07 | -0.90 | 0.31 | 1.20 | -2.13 | 1.38 | 3.72 | 0.50 | 0.71 | 1.80 | 0.26 | 0.87 |
| DFEY7A | 5.67 | 0.07 | 0.17 | 3.38 | 0.39 | 0.88 | 1.50 | 0.42 | 0.28 | 3.66 | 0.26 | 0.60 | 1.82 | 0.44 | 0.20 |
| EN39TB | 5.13 | -1.42 | 0.56 | 3.23 | -0.23 | 0.88 | 1.43 | -0.17 | 1.05 | 3.57 | -0.12 | 1.27 | 1.77 | 0.06 | 3.54 |
| EPDZY7 | 5.78 | 0.38 | 0.59 | 3.40 | 0.47 | 0.51 | 1.45 | -0.05 | 0.05 | 3.74 | 0.60 | 0.65 | 1.72 | -0.27 | 0.18 |
| EUTJ39 | 5.93 | 0.79 | 1.39 | 3.40 | 0.46 | 1.53 | 1.47 | 0.11 | 1.05 | 3.47 | -0.53 | 0.63 | 1.75 | -0.03 | 1.57 |
| F673ZB | 5.85 | 0.57 | 0.10 | 3.35 | 0.27 | 0.23 | 1.49 | 0.30 | 0.18 | 3.69 | 0.38 | 0.17 | 1.75 | -0.08 | 0.52 |
| FPDBEA | 5.90 | 0.71 | 0.00 | 3.27 | -0.09 | 0.88 | 1.23 | -1.83 | 1.05 | 3.50 | -0.39 | | 1.63 | -0.85 | 0.98 |
| FZPP8A | 5.63 | -0.03 | 2.82 | 3.27 | -0.09 | 2.34 | 1.50 | 0.39 | 1.82 | 3.53 | -0.25 | 2.28 | 1.90 | 0.96 | 1.70 |
| GRFTQA | 5.54 | -0.28 | 0.00 | 3.29 | 0.01 | 0.00 | 1.50 | 0.41 | 0.00 | 3.56 | -0.15 | 0.00 | 1.77 | 0.10 | 0.00 |
| GZQVCB | 5.30 | -0.95 | 0.00 | 3.03 | -1.05 | 0.88 | 1.37 | -0.72 | 1.05 | 3.33 | -1.08 | 0.63 | 1.60 | -1.07 | 0.00 |
| H6FRD8 | 4.83 | -2.27 | 0.64 | 3.21 | -0.32 | 0.31 | 1.41 | -0.36 | 0.73 | 3.41 | -0.76 | 0.00 | 1.65 | -0.74 | 1.04 |
| HGXCX4 | 5.83 | 0.53 | 0.83 | 3.36 | 0.28 | 0.99 | 1.40 | -0.43 | 0.23 | 3.75 | 0.64 | 0.12 | 1.84 | 0.56 | 0.98 |
| HH9DJ3 | 5.49 | -0.43 | 0.14 | 3.37 | 0.32 | 2.45 | 1.48 | 0.21 | 1.92 | 3.59 | -0.02 | 1.20 | 1.77 | 0.05 | 1.63 |

## SOM - LOI ( % Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups

Data units: Percent

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JK7EW4 | 5.68 | 0.10 | 0.26 | 3.31 | 0.09 | 0.46 | 1.44 | -0.11 | 0.32 | 3.68 | 0.34 | 0.35 | 1.76 | -0.01 | 0.20 |
| KHEFJ7 | 5.54 | -0.30 | 0.41 | 3.27 | -0.09 | 0.39 | 1.42 | -0.25 | 0.56 | 3.66 | 0.28 | 0.44 | 1.81 | 0.33 | 0.20 |
| LLQW29 | 5.68 | 0.11 | 1.18 | 3.23 | -0.24 | 0.10 | 1.47 | 0.10 | 1.38 | 3.91 | 1.30 | 1.08 | 1.96 | 1.34 | 0.49 |
| M6MR24 | 5.53 | -0.31 | 0.44 | 3.30 | 0.05 | 0.15 | 1.51 | 0.44 | 0.21 | 3.51 | -0.34 | 0.89 | 1.72 | -0.24 | 0.26 |
| MM3234 | 5.87 | 0.62 | 1.49 | 3.33 | 0.19 | 0.88 | 1.43 | -0.17 | 1.05 | 3.60 | 0.02 | 1.10 | 1.77 | 0.06 | 0.98 |
| MZQUN7 | 5.97 | 0.90 | 0.56 | 3.40 | 0.46 | 0.00 | 1.57 | 0.94 | 1.05 | 3.67 | 0.30 | 0.63 | 1.80 | 0.28 | 0.00 |
| N79TKW | 5.65 | 0.03 | 2.65 | 3.50 | 0.89 | 1.64 | 1.57 | 0.97 | 1.74 | 3.86 | 1.11 | 0.38 | 1.93 | 1.17 | 1.06 |
| TCJDUX | 5.28 | -1.02 | 1.85 | 3.12 | -0.71 | 0.77 | 1.38 | -0.58 | 1.10 | 3.48 | -0.46 | 0.38 | 1.69 | -0.46 | 1.96 |
| TFKQ8P | 5.80 | 0.44 | 0.98 | 3.23 | -0.23 | 0.88 | 1.47 | 0.11 | 1.05 | 3.53 | -0.25 | 0.63 | 1.70 | -0.40 | 0.00 |
| TZUE4V | 5.92 | 0.77 | 1.27 | 3.40 | 0.45 | 1.53 | 1.49 | 0.30 | 2.15 | 3.63 | 0.13 | 3.69 | 2.07 | 2.14 | 2.02 |
| UNBDWZ | 2.73 | -8.09X | 0.46 | 4.12 | 3.44 | 0.39 | 1.70 | 2.08 | 0.11 | 2.91 | -2.81 | 0.67 | 3.02 | 8.54X | 0.35 |
| VCB32Y | 5.86 | 0.60 | 2.64 | 3.33 | 0.17 | 1.99 | 1.42 | -0.30 | 1.19 | 3.63 | 0.13 | 2.14 | 1.77 | 0.10 | 0.86 |
| W4XJ8Q | 5.42 | -0.62 | 0.99 | 3.29 | -0.01 | 1.39 | 1.44 | -0.08 | 0.82 | 3.41 | -0.76 | 1.26 | 1.71 | -0.35 | 0.71 |
| WRZKDZ | 6.27 | 1.73 | 0.56 | 3.80 | 2.11 | 1.53 | 1.73 | 2.33 | 1.05 | 3.87 | 1.12 | 0.63 | 2.17 | 2.77 | 0.98 |
| XKUFTU | 5.68 | 0.11 | 0.06 | 3.57 | 1.17 | 0.09 | 1.71 | 2.16 | 0.11 | 3.93 | 1.38 | 0.11 | 1.99 | 1.55 | 0.10 |
| XYHBJR | 5.46 | -0.50 | 0.06 | 3.24 | -0.19 | 0.09 | 1.42 | -0.30 | 0.11 | 3.60 | 0.04 | 0.55 | 1.70 | -0.37 | 0.35 |
| Y2X9YT | 5.85 | 0.57 | 0.35 | 3.27 | -0.08 | 0.31 | 1.45 | 0.00 | 0.74 | 3.65 | 0.23 | 0.77 | 1.75 | -0.08 | 0.10 |
| YTNTHL | 9.60 | 11.00X | 3.88 | 4.89 | 6.58X | 2.07 | 3.10 | 13.66X | 3.00 | 5.18 | 6.54X | 1.16 | 4.35 | 17.62X | 1.09 |
| ZTKTVQ | 3.64 | -5.57X | 4.31 | 1.83 | -6.01X | 2.72 | 1.04 | -3.42X | 2.56 | 2.36 | -5.09X | 1.46 | 1.19 | -3.83X | 3.73 |

## SOM - LOI ( % Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups

Data units: Percent

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 5.64 | 3.29 | 1.45 | 3.59 | 1.76 |
| Median Abs Dev | 0.21 | 0.09 | 0.05 | 0.10 | 0.06 |
| Avg Within Lab SD | 0.10 | 0.07 | 0.05 | 0.09 | 0.06 |
| Labs Included | 40 | 42 | 41 | 42 | 40 |
| Labs Reporting | 45 | 45 | 45 | 45 | 45 |

**SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups**       **Data units: %**

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 6PQCHL | **6.20** | 1.00 | | **3.50** | 1.00 | | **1.50** | 1.00 | | **3.90** | 1.00 | | **1.87** | 1.00 | |

**SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups**       **Data units: %**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 6.20 | 3.50 | 1.50 | 3.90 | 1.87 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.10 | 0.10 | 0.10 | 0.10 | 0.06 |
| **Labs Included** | 1 | 1 | 1 | 1 | 1 |
| **Labs Reporting** | 1 | 1 | 1 | 1 | 1 |

## CaCO3 Content (SubTestCode 185) in the Content Property Groups — Data units: Percent

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4F7LHP | | | | | | | | | | 0.68 | 0.00 | 0.46 | 10.26 | -0.80 | 0.17 |
| 6PQCHL | | | | 0.52 | 0.00 | 0.16 | | | | 0.72 | 0.14 | 0.44 | 13.03 | -0.19 | 1.04 |
| 7ZNKQG | 0.09 | -0.36 | 0.14 | 0.64 | 0.36 | 0.13 | 0.17 | -0.20 | 0.12 | 1.08 | 1.18 | 0.70 | 17.07 | 0.69 | 0.24 |
| 86VF6P | 0.05 | -0.51 | 0.06 | 0.56 | 0.14 | 0.30 | 0.05 | -0.48 | 0.00 | 0.89 | 0.63 | 0.14 | 14.80 | 0.19 | 2.72 |
| 8Q9F3N | 0.46 | 1.13 | 2.06 | 0.46 | -0.16 | 0.66 | 0.43 | 0.36 | 2.07 | 0.51 | -0.50 | 2.34 | 16.37 | 0.54 | 0.33 |
| FPDBEA | 0.27 | 0.36 | 0.59 | 0.23 | -0.82 | 0.26 | 0.27 | 0.00 | 0.43 | 0.57 | -0.33 | 0.78 | 11.93 | -0.44 | 0.24 |
| JQCYVA | 2.04 | 7.58X | 0.07 | 2.74 | 6.47X | 0.08 | 1.30 | 2.31 | 0.38 | 3.30 | 7.73X | 0.40 | 2.88 | -2.43 | 0.02 |
| JXALTZ | | | | | | | | | | | | | 17.23 | 0.73 | 0.55 |
| M6MR24 | 0.43 | 1.04 | 1.18 | 1.13 | 1.80 | 2.52 | 0.63 | 0.82 | 1.54 | | | | 37.30 | 5.15X | 5.09 |
| P3TKWW | | | | | | | | | | | | | 15.70 | 0.39 | 0.87 |
| XQLP3R | 0.02 | -0.65 | 0.00 | 0.02 | -1.45 | 0.00 | 0.02 | -0.55 | 0.00 | 0.02 | -1.95 | 0.00 | 12.43 | -0.33 | 0.46 |

## CaCO3 Content (SubTestCode 185) in the Content Property Groups — Data units: Percent

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 0.18 | 0.52 | 0.27 | 0.68 | 13.9 |
| Median Abs Dev | 0.14 | 0.12 | 0.22 | 0.17 | 2.2 |
| Avg Within Lab SD | 0.10 | 0.22 | 0.14 | 0.07 | 0.6 |
| Labs Included | 6 | 7 | 7 | 7 | 10 |
| Labs Reporting | 7 | 8 | 7 | 8 | 11 |

## CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups — Data units: cmol/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6PQCHL | 6.33 | -0.09 | 1.04 | 9.19 | -0.54 | 1.92 | 5.84 | -0.16 | 0.76 | 12.97 | -0.02 | 1.55 | 9.66 | -0.73 | 1.07 |
| 7ZNKQG | 10.24 | 1.44 | 0.26 | 11.51 | 1.10 | 0.12 | 6.54 | 0.74 | 0.49 | 15.00 | 0.63 | 0.05 | 11.71 | 0.11 | 0.31 |
| 8Q9F3N | 3.52 | -1.20 | 0.63 | 9.86 | -0.07 | 0.82 | 4.68 | -1.66 | 1.35 | 16.50 | 1.11 | 1.36 | 11.43 | 0.00 | 0.33 |
| BBPT8N | 7.77 | 0.47 | 0.19 | 10.05 | 0.07 | 0.27 | 6.20 | 0.30 | 1.20 | 14.48 | 0.47 | 0.64 | 10.40 | -0.43 | 0.11 |
| CABJUG | 4.69 | -0.74 | 0.71 | 7.16 | -1.97 | 0.33 | 6.33 | 0.47 | 1.68 | 10.46 | -0.83 | 0.98 | 8.16 | -1.35 | 0.51 |
| GZQVCB | 5.00 | -0.61 | 0.14 | 8.41 | -1.09 | 0.13 | 5.37 | -0.77 | 0.56 | 11.14 | -0.61 | 0.22 | 8.14 | -1.36 | 0.02 |
| K8FVRD | 5.56 | -0.39 | 0.15 | 8.60 | -0.96 | 0.18 | 5.18 | -1.02 | 0.30 | 13.03 | 0.00 | 0.08 | 16.18 | 1.96 | 0.18 |
| P3TKWW | 6.80 | 0.09 | 0.00 | 10.80 | 0.60 | 0.29 | 5.97 | 0.00 | 0.40 | 10.87 | -0.70 | 0.15 | 12.83 | 0.58 | 0.13 |
| QZVJF8 | 8.99 | 0.95 | 0.34 | 10.20 | 0.18 | 0.29 | 6.13 | 0.21 | 0.21 | 14.43 | 0.45 | 0.27 | 12.03 | 0.25 | 0.27 |
| R4PY67 | 15.79 | 3.62X | | 15.19 | 3.70X | | 4.71 | -1.62 | | 19.75 | 2.16 | | 10.49 | -0.39 | |
| WC766T | 8.47 | 0.75 | 2.79 | 10.20 | 0.18 | 2.28 | 6.33 | 0.47 | 1.58 | 11.63 | -0.45 | 2.06 | 12.03 | 0.25 | 2.87 |

## CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups — Data units: cmol/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 6.57 | 9.95 | 5.97 | 13.0 | 11.4 |
| Median Abs Dev | 1.72 | 0.81 | 0.37 | 1.9 | 1.0 |
| Avg Within Lab SD | 0.73 | 0.69 | 0.38 | 0.8 | 0.9 |
| Labs Included | 10 | 10 | 11 | 11 | 11 |
| Labs Reporting | 11 | 11 | 11 | 11 | 11 |

## CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups

Data units: cmol/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 8.67 | 0.87 | 2.71 | 8.13 | -0.07 | 2.38 | 10.47 | 0.37 | 2.19 | 15.90 | -0.02 | 1.79 | 25.63 | 0.03 | 0.19 |
| 7GNP4R | 15.23 | 3.38X | 0.43 | 12.25 | 2.14 | 0.78 | 12.87 | 1.05 | 1.41 | 12.57 | -1.06 | 1.89 | 15.41 | -0.37 | 1.07 |
| 84H2GF | 3.20 | -1.21 | 0.25 | 8.37 | 0.05 | 1.06 | 4.70 | -1.28 | 1.11 | 13.17 | -0.87 | 1.83 | 14.47 | -0.41 | 0.62 |
| 86VF6P | 7.48 | 0.42 | 0.05 | 8.17 | -0.05 | 0.19 | 9.18 | 0.00 | 0.16 | 18.74 | 0.86 | 0.50 | 56.99 | 1.25 | 0.40 |
| 8Q9F3N | 7.20 | 0.31 | 0.68 | 11.63 | 1.81 | 1.17 | 8.16 | -0.29 | 0.81 | 18.23 | 0.71 | 0.52 | 28.33 | 0.13 | 1.23 |
| 9D72ND | 5.93 | -0.17 | 1.36 | 6.67 | -0.86 | 0.16 | 8.70 | -0.14 | 1.07 | 13.00 | -0.93 | 0.18 | 77.60 | 2.06 | 0.81 |
| DFEY7A | 3.03 | -1.28 | 0.14 | 7.73 | -0.29 | 1.32 | 4.07 | -1.46 | 0.36 | 15.97 | 0.00 | 0.27 | 20.50 | -0.17 | 0.18 |
| DUEXT8 | 3.89 | -0.95 | 0.09 | 8.70 | 0.23 | 0.12 | 4.88 | -1.23 | 0.31 | 15.97 | 0.00 | 0.68 | 18.14 | -0.27 | 0.80 |
| F673ZB | 5.37 | -0.39 | 0.14 | 8.27 | 0.00 | 0.16 | 13.70 | 1.29 | 0.53 | 18.70 | 0.85 | 0.31 | 65.27 | 1.58 | 0.32 |
| JK7EW4 | 9.13 | 1.05 | 1.11 | 8.10 | -0.09 | 1.56 | 9.43 | 0.07 | 1.17 | 16.60 | 0.20 | 1.25 | 24.93 | 0.00 | 0.21 |
| K8FVRD | 3.66 | -1.04 | 0.37 | 9.13 | 0.47 | 0.35 | 4.26 | -1.41 | 0.17 | 14.32 | -0.52 | 1.11 | 23.18 | -0.07 | 0.87 |
| KF94C4 | 5.71 | -0.26 | 0.23 | 10.76 | 1.34 | 0.54 | 7.43 | -0.50 | 1.22 | 20.74 | 1.49 | 0.61 | 57.92 | 1.29 | 2.86 |
| VCB32Y | 7.93 | 0.59 | 0.38 | 6.30 | -1.06 | 0.28 | 10.00 | 0.23 | 0.31 | 12.47 | -1.09 | 0.45 | 19.10 | -0.23 | 0.09 |
| W4XJ8Q | 8.30 | 0.73 | 1.50 | 6.73 | -0.82 | 0.43 | 11.90 | 0.78 | 0.31 | 16.43 | 0.14 | 0.27 | 15.13 | -0.38 | 0.11 |
| WRZKDZ | 6.83 | 0.17 | 0.62 | 9.83 | 0.84 | 1.13 | 9.23 | 0.02 | 1.25 | 20.37 | 1.37 | 0.45 | 73.17 | 1.88 | 1.16 |

## CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups

Data units: cmol/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 6.38 | 8.27 | 9.18 | 16.0 | 24.9 |
| Median Abs Dev | 1.73 | 0.87 | 1.75 | 2.7 | 9.5 |
| Avg Within Lab SD | 0.40 | 0.36 | 0.32 | 0.6 | 1.1 |
| Labs Included | 14 | 15 | 15 | 15 | 15 |
| Labs Reporting | 15 | 15 | 15 | 15 | 15 |

## Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups

Data units: g/cc

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7GNP4R | 1.34 | 0.04 | 0.26 | 1.27 | 0.18 | 0.23 | 1.28 | -1.34 | 0.77 | 1.16 | -1.38 | 0.25 | 1.43 | 0.62 | 0.25 |
| 8LG4AD | 1.43 | 0.58 | 0.39 | 1.30 | 0.33 | 0.00 | 1.58 | 0.24 | 0.20 | 1.48 | 0.56 | 0.00 | 1.40 | 0.40 | 0.39 |
| DUEXT8 | 1.50 | 1.00 | 1.23 | 1.31 | 0.37 | 2.11 | 1.61 | 0.40 | 2.04 | 1.49 | 0.64 | 0.32 | 1.44 | 0.70 | 1.55 |
| FJLEZH | 1.12 | -1.36 | 0.39 | 1.42 | 0.96 | 0.24 | 1.12 | -2.19 | 0.53 | 1.40 | 0.08 | 0.55 | 1.33 | -0.10 | 0.23 |
| FWAGJB | 1.38 | 0.27 | 0.00 | 1.20 | -0.18 | 0.00 | 1.61 | 0.43 | 0.20 | 1.37 | -0.08 | 0.32 | 1.33 | -0.08 | 0.39 |
| HGR9VC | 1.28 | -0.33 | 1.67 | 1.02 | -1.09 | 1.37 | 1.41 | -0.65 | 1.48 | 1.24 | -0.87 | 1.28 | 1.11 | -1.56 | 0.33 |
| KF94C4 | 1.19 | -0.92 | 1.81 | 0.95 | -1.48 | 1.22 | 1.43 | -0.57 | 0.81 | 1.28 | -0.64 | 2.39 | 1.21 | -0.88 | 2.25 |
| P3TKWW | 1.60 | 1.67 | 0.23 | 1.39 | 0.80 | 0.24 | 1.66 | 0.70 | 0.20 | 1.62 | 1.41 | 0.32 | 1.57 | 1.56 | 0.00 |
| QBRP96 | 1.33 | -0.04 | | 1.17 | -0.35 | | 1.51 | -0.12 | | 1.44 | 0.34 | | 1.35 | 0.08 | |
| ZTKTVQ | 1.25 | -0.53 | | 1.04 | -1.00 | | 1.55 | 0.12 | | 1.26 | -0.75 | | 1.23 | -0.77 | |

## Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups

Data units: g/cc

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 1.34 | 1.24 | 1.53 | 1.39 | 1.34 |
| Median Abs Dev | 0.09 | 0.12 | 0.09 | 0.11 | 0.10 |
| Avg Within Lab SD | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 |
| Labs Included | 10 | 10 | 10 | 10 | 10 |
| Labs Reporting | 10 | 10 | 10 | 10 | 10 |

**Sand  2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups**    Data units: Percent

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 50.0 | 0.28 | 1.15 | 40.0 | -0.62 | 0.73 | 83.7 | 0.05 | 1.28 | 55.3 | -0.78 | 2.57 | 27.0 | -0.57 | 1.27 |
| 3U6BYV | 66.8 | 5.47X | 0.78 | 92.5 | 5.73X | 0.45 | 88.8 | 1.58 | 1.92 | 78.1 | 2.80 | 1.51 | 76.8 | 8.20X | 1.75 |
| 3UUGAM | 49.1 | 0.00 | 0.00 | 45.1 | 0.00 | 0.00 | 83.0 | -0.15 | | 61.0 | 0.11 | | 31.1 | 0.16 | 0.00 |
| 6ATHQD | 51.3 | 0.69 | 0.76 | 45.3 | 0.03 | 2.24 | 86.0 | 0.75 | 1.68 | 64.0 | 0.59 | 1.36 | 30.7 | 0.08 | 1.47 |
| 7ZNKQG | 47.8 | -0.40 | 1.15 | 40.8 | -0.52 | 0.73 | 84.1 | 0.19 | 1.28 | 58.8 | -0.23 | 0.00 | 31.1 | 0.16 | 0.74 |
| 8Q9F3N | 47.3 | -0.55 | 3.82 | 53.0 | 0.95 | 3.20 | 82.7 | -0.25 | 1.28 | 67.0 | 1.06 | 3.11 | 39.7 | 1.67 | 3.62 |
| 9D3RFD | 89.7 | 12.56X | 0.24 | 65.3 | 2.44 | 0.42 | 95.1 | 3.46X | 0.22 | 90.2 | 4.70X | 0.73 | 77.0 | 8.24X | 0.59 |
| 9D72ND | 54.0 | 1.52 | 0.23 | 46.6 | 0.18 | 0.00 | 85.2 | 0.52 | 0.73 | 61.3 | 0.16 | 1.05 | 33.5 | 0.58 | 0.52 |
| BBPT8N | 47.0 | -0.65 | | 39.0 | -0.74 | | 81.0 | -0.74 | | 55.0 | -0.83 | | 27.0 | -0.57 | |
| BPNQC8 | 47.5 | -0.48 | 1.41 | 37.1 | -0.97 | 0.51 | 81.7 | -0.53 | 0.58 | 55.9 | -0.69 | 0.51 | 26.3 | -0.70 | 1.38 |
| DFEY7A | 47.5 | -0.50 | 0.61 | 39.4 | -0.69 | 1.25 | 81.9 | -0.48 | 1.96 | 59.9 | -0.06 | 0.92 | 29.5 | -0.12 | 0.51 |
| DUEXT8 | 52.4 | 1.02 | 0.02 | 43.7 | -0.17 | 0.43 | 84.4 | 0.26 | 0.00 | 60.0 | -0.04 | 0.38 | 31.7 | 0.25 | 0.37 |
| F673ZB | 46.0 | -0.96 | | 46.0 | 0.11 | | 79.0 | -1.34 | | 58.0 | -0.36 | | 32.0 | 0.31 | |
| FZPP8A | 49.0 | -0.04 | 0.69 | 51.3 | 0.75 | 1.32 | 83.6 | 0.03 | 1.09 | 58.1 | -0.34 | 0.34 | 28.7 | -0.27 | 0.29 |
| H6FRD8 | 52.8 | 1.16 | 0.00 | 56.8 | 1.41 | 0.00 | 90.9 | 2.22 | 0.00 | 70.7 | 1.64 | 0.00 | 42.9 | 2.24 | 0.00 |
| HGR9VC | 48.5 | -0.20 | 0.54 | 41.3 | -0.46 | 0.70 | 82.5 | -0.31 | 0.13 | 59.5 | -0.12 | 0.44 | 22.0 | -1.45 | 0.80 |
| HH9DJ3 | 49.3 | 0.07 | 0.76 | 42.0 | -0.38 | 1.47 | 77.3 | -1.84 | 0.97 | 63.3 | 0.48 | 0.78 | 29.0 | -0.21 | 0.55 |
| JBV4FD | 45.5 | -1.11 | 0.16 | 45.2 | 0.00 | 0.13 | 82.8 | -0.19 | 0.17 | 58.7 | -0.24 | 0.85 | 23.2 | -1.24 | 0.53 |
| JK7EW4 | 50.5 | 0.44 | 0.85 | 47.9 | 0.33 | 0.17 | 83.9 | 0.11 | 1.69 | 60.5 | 0.04 | 0.63 | 32.5 | 0.41 | 0.82 |
| JXALTZ | 52.6 | 1.08 | 0.00 | 47.6 | 0.30 | 0.00 | 88.8 | 1.59 | 0.00 | 67.6 | 1.15 | 0.00 | 30.1 | -0.02 | 0.00 |
| K8FVRD | 51.9 | 0.87 | 0.00 | 46.1 | 0.12 | 0.00 | 85.2 | 0.50 | 0.00 | 58.3 | -0.31 | 0.00 | 27.9 | -0.41 | 0.89 |
| P3TKWW | 49.5 | 0.12 | 0.33 | 39.5 | -0.68 | 0.37 | 84.3 | 0.25 | 0.24 | 59.0 | -0.20 | 0.68 | 31.0 | 0.14 | 0.64 |
| QVFBR8 | 45.6 | -1.09 | 1.01 | 41.4 | -0.45 | 0.00 | 83.0 | -0.15 | 1.24 | 61.7 | 0.23 | 0.00 | 29.5 | -0.12 | 0.95 |
| QZVJF8 | 53.5 | 1.37 | | 56.3 | 1.35 | | 88.8 | 1.57 | | 78.5 | 2.87 | | 38.8 | 1.51 | |
| TCJDUX | 47.0 | -0.66 | 0.00 | 55.7 | 1.28 | 0.00 | 81.0 | -0.74 | | 71.8 | 1.81 | 0.00 | 38.1 | 1.39 | 0.00 |
| VCB32Y | 51.8 | 0.82 | 1.17 | 40.5 | -0.56 | 1.56 | 86.8 | 0.97 | 0.30 | 58.8 | -0.24 | 0.24 | 23.8 | -1.14 | 0.68 |

**Sand  2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups**      **Data units: Percent**

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| W4XJ8Q | 47.0 | -0.65 | | 39.0 | -0.74 | | 83.0 | -0.15 | | 59.0 | -0.20 | | 29.0 | -0.21 | |
| W69CWY | 47.3 | -0.54 | 0.00 | 36.2 | -1.09 | 0.00 | 77.0 | -1.94 | 0.00 | 61.7 | 0.22 | 0.00 | 30.2 | 0.00 | 0.00 |
| XQLP3R | 52.0 | 0.88 | 0.15 | 57.0 | 1.43 | 0.18 | 86.1 | 0.77 | 0.40 | 67.5 | 1.14 | 0.53 | 36.5 | 1.10 | 0.09 |
| XR3PAN | 50.8 | 0.54 | 0.95 | 49.2 | 0.49 | 1.06 | 85.8 | 0.70 | 1.21 | 65.4 | 0.81 | 0.49 | 32.5 | 0.40 | |
| Y2X9YT | 46.6 | -0.76 | 0.50 | 41.1 | -0.49 | 0.55 | 83.1 | -0.12 | 0.58 | 57.9 | -0.37 | 0.00 | 28.4 | -0.33 | 0.46 |
| ZH6KBJ | 44.9 | -1.30 | 0.17 | 39.3 | -0.71 | 0.19 | 81.7 | -0.53 | 0.29 | 57.0 | -0.51 | 0.41 | 17.5 | -2.25 | 0.47 |
| ZTKTVQ | 49.6 | 0.14 | | 54.3 | 1.12 | | 83.4 | -0.03 | | 66.2 | 0.93 | | 35.4 | 0.91 | |

**Sand  2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups**      **Data units: Percent**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 49.1 | 45.1 | 83.5 | 60.3 | 30.2 |
| **Median Abs Dev** | 2.1 | 4.9 | 1.7 | 2.3 | 2.3 |
| **Avg Within Lab SD** | 1.5 | 1.4 | 1.2 | 1.5 | 1.6 |
| **Labs Included** | 31 | 32 | 32 | 32 | 31 |
| **Labs Reporting** | 33 | 33 | 33 | 33 | 33 |

**Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups**  Data units: Percent

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 16.7 | -0.40 | 0.91 | 48.0 | 0.58 | 0.54 | 9.7 | 0.09 | 1.33 | 32.0 | 0.61 | 1.42 | 48.3 | 0.19 | 0.65 |
| 3U6BYV | 3.8 | -2.64 | 0.50 | 4.1 | -4.51X | 0.28 | 4.8 | -1.39 | 1.39 | 13.4 | -1.82 | 1.24 | 7.3 | -4.31X | 1.51 |
| 3UUGAM | 14.4 | -0.79 | 0.00 | 40.4 | -0.31 | 0.00 | 6.4 | -0.91 | 0.00 | 24.4 | -0.38 | 0.00 | 44.0 | -0.29 | 0.00 |
| 6ATHQD | 20.7 | 0.30 | 0.69 | 45.0 | 0.23 | 1.43 | 10.7 | 0.42 | 1.41 | 27.1 | -0.03 | 1.18 | 49.7 | 0.33 | 0.65 |
| 7ZNKQG | 22.4 | 0.60 | 0.91 | 51.7 | 1.01 | 0.54 | 10.7 | 0.41 | 0.64 | 31.7 | 0.57 | 0.54 | 50.4 | 0.41 | 0.65 |
| 8Q9F3N | 21.7 | 0.47 | 4.19 | 35.3 | -0.89 | 2.19 | 7.7 | -0.52 | 0.37 | 18.0 | -1.22 | 3.26 | 36.0 | -1.17 | 3.93 |
| 9D3RFD | 8.3 | -1.86 | 0.30 | 7.5 | -4.12X | 0.79 | 2.0 | -2.24 | 0.12 | 5.0 | -2.93X | 0.44 | 9.2 | -4.10X | 0.08 |
| 9D72ND | 21.7 | 0.49 | 1.08 | 42.5 | -0.06 | 0.06 | 8.6 | -0.22 | 0.36 | 27.5 | 0.03 | 0.59 | 44.9 | -0.19 | 0.28 |
| BBPT8N | 20.4 | 0.25 | 0.00 | 49.1 | 0.70 | 0.62 | 10.4 | 0.32 | 0.00 | 32.4 | 0.66 | 0.00 | 48.4 | 0.19 | 0.00 |
| BPNQC8 | 20.8 | 0.32 | 0.41 | 55.0 | 1.39 | 0.68 | 10.8 | 0.44 | 0.44 | 33.3 | 0.78 | 1.40 | 53.3 | 0.73 | 1.75 |
| DFEY7A | 18.6 | -0.06 | 0.25 | 48.0 | 0.58 | 1.09 | 9.3 | -0.03 | 1.61 | 27.0 | -0.04 | 0.79 | 46.9 | 0.03 | 0.57 |
| DUEXT8 | 16.3 | -0.46 | 0.34 | 42.3 | -0.08 | 0.63 | 7.0 | -0.71 | 0.00 | 25.4 | -0.26 | 0.31 | 42.4 | -0.47 | 0.32 |
| F673ZB | 23.0 | 0.71 | | 43.0 | 0.00 | | 10.0 | 0.20 | | 28.0 | 0.09 | | 46.0 | -0.07 | |
| FZPP8A | 12.7 | -1.10 | 0.15 | 32.0 | -1.28 | 1.38 | 7.0 | -0.73 | 0.16 | 24.8 | -0.34 | 1.15 | 41.9 | -0.52 | 1.21 |
| H6FRD8 | 10.9 | -1.40 | 0.00 | 27.0 | -1.86 | | 2.8 | -2.00 | 0.00 | 11.0 | -2.14 | | 30.7 | -1.74 | 0.00 |
| HGR9VC | 21.8 | 0.49 | 0.18 | 49.3 | 0.73 | 0.63 | 11.0 | 0.50 | 0.11 | 28.9 | 0.21 | 0.30 | 28.7 | -1.96 | 0.27 |
| HH9DJ3 | 15.5 | -0.60 | 0.79 | 40.8 | -0.25 | 2.87 | 11.2 | 0.55 | 3.79 | 19.3 | -1.05 | 1.48 | 40.0 | -0.73 | 1.12 |
| JBV4FD | 32.6 | 2.38X | 0.38 | 48.2 | 0.60 | 0.08 | 12.7 | 1.03 | 0.11 | 32.7 | 0.71 | 0.48 | 58.2 | 1.26 | 0.16 |
| JK7EW4 | 20.0 | 0.18 | 1.33 | 42.0 | -0.12 | 0.22 | 8.0 | -0.42 | 1.54 | 30.0 | 0.35 | 1.19 | 48.0 | 0.15 | 1.03 |
| JXALTZ | 12.5 | -1.12 | | 42.4 | -0.07 | 0.00 | 6.2 | -0.97 | 0.00 | 19.9 | -0.97 | 0.00 | 44.9 | -0.19 | 0.00 |
| K8FVRD | 12.0 | -1.21 | 0.00 | 41.6 | -0.16 | 0.00 | 4.9 | -1.35 | 0.00 | 24.5 | -0.37 | 0.00 | 47.8 | 0.13 | 0.79 |
| P3TKWW | 25.0 | 1.06 | | 54.0 | 1.28 | 0.54 | 12.7 | 1.01 | 0.18 | 36.0 | 1.13 | 0.54 | 50.0 | 0.37 | |
| QVFBR8 | 20.2 | 0.22 | 0.91 | 48.4 | 0.63 | 0.00 | 9.4 | 0.00 | 0.94 | 25.5 | -0.24 | 0.00 | 20.6 | -2.85 | 0.00 |
| QZVJF8 | 13.7 | -0.91 | | 31.0 | -1.39 | | 6.2 | -0.95 | | 16.2 | -1.45 | | 36.2 | -1.14 | |
| TCJDUX | 15.7 | -0.57 | 0.00 | 27.0 | -1.86 | | 7.7 | -0.50 | 0.00 | 11.0 | -2.14 | | 30.7 | -1.75 | 0.00 |
| VCB32Y | 21.0 | 0.36 | 0.84 | 51.5 | 0.99 | 1.91 | 10.0 | 0.20 | | 34.0 | 0.87 | | 55.0 | 0.92 | 0.79 |

**Silt  50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups**  **Data units: Percent**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W4XJ8Q | 20.0 | 0.18 | | 50.0 | 0.81 | | 10.0 | 0.20 | | 30.0 | 0.35 | | 50.0 | 0.37 | |
| W69CWY | 15.8 | -0.55 | 0.00 | 48.5 | 0.64 | 0.00 | 10.2 | 0.26 | 0.00 | 30.7 | 0.44 | 0.00 | 54.3 | 0.84 | 0.00 |
| XQLP3R | 17.6 | -0.23 | 0.30 | 36.9 | -0.71 | 0.04 | 6.5 | -0.86 | 0.17 | 23.3 | -0.53 | 0.54 | 46.0 | -0.07 | 0.17 |
| XR3PAN | 15.4 | -0.62 | 0.43 | 40.8 | -0.25 | 0.78 | 6.7 | -0.83 | 0.92 | 22.1 | -0.69 | 0.39 | 45.4 | -0.13 | 0.41 |
| Y2X9YT | 19.3 | 0.06 | 0.45 | 47.1 | 0.48 | 0.00 | 11.0 | 0.50 | 0.44 | 31.5 | 0.55 | 0.37 | 51.9 | 0.58 | 0.42 |
| ZH6KBJ | 23.5 | 0.79 | 0.10 | 48.3 | 0.62 | 0.03 | 13.0 | 1.10 | 0.27 | 31.3 | 0.52 | 0.13 | 57.2 | 1.15 | 0.43 |
| ZTKTVQ | 22.4 | 0.61 | | 39.7 | -0.39 | | 10.6 | 0.39 | | 27.8 | 0.06 | | 46.6 | 0.00 | |

**Silt  50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups**  **Data units: Percent**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 19.0 | 43.0 | 9.36 | 27.3 | 46.6 |
| Median Abs Dev | 3.2 | 5.3 | 1.64 | 4.1 | 3.7 |
| Avg Within Lab SD | 1.7 | 1.8 | 1.56 | 1.9 | 1.8 |
| Labs Included | 32 | 31 | 33 | 32 | 31 |
| Labs Reporting | 33 | 33 | 33 | 33 | 33 |

**Clay   2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups**       **Data units: Percent**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 33.3 | 0.26 | 1.09 | 12.0 | 0.25 | | 6.7 | -0.11 | 1.04 | 12.7 | 0.25 | 0.99 | 24.7 | 0.52 | 1.17 |
| 3U6BYV | 29.4 | -0.60 | 0.43 | 3.5 | -1.89 | 0.17 | 6.4 | -0.19 | 0.12 | 8.5 | -0.68 | 0.10 | 15.9 | -1.18 | 0.49 |
| 3UUGAM | 36.5 | 0.94 | 0.00 | 14.5 | 0.89 | 0.00 | 10.6 | 1.16 | 0.00 | 14.6 | 0.68 | 0.00 | 24.9 | 0.56 | 0.00 |
| 6ATHQD | 27.7 | -0.97 | 0.54 | 9.5 | -0.37 | 0.92 | 3.4 | -1.16 | 0.00 | 8.6 | -0.65 | 0.00 | 19.7 | -0.45 | 1.17 |
| 7ZNKQG | 29.8 | -0.50 | 0.54 | 7.5 | -0.88 | 0.00 | 5.1 | -0.60 | 0.52 | 9.5 | -0.46 | 0.86 | 18.5 | -0.68 | |
| 8Q9F3N | 31.0 | -0.25 | 3.77 | 11.7 | 0.17 | 1.31 | 9.7 | 0.86 | 1.04 | 15.0 | 0.77 | 1.71 | 24.3 | 0.45 | 1.54 |
| 9D3RFD | 2.0 | -6.57**X** | 0.46 | 27.2 | 4.07**X** | 1.45 | 2.9 | -1.32 | 0.14 | 4.9 | -1.49 | 0.33 | 13.8 | -1.59 | 0.84 |
| 9D72ND | 24.3 | -1.71 | 1.42 | 10.9 | -0.02 | 0.13 | 6.1 | -0.28 | 0.27 | 11.2 | -0.08 | 0.49 | 21.6 | -0.08 | 1.26 |
| BBPT8N | 32.6 | 0.10 | 0.00 | 11.9 | 0.23 | 1.31 | 8.6 | 0.52 | 0.00 | 12.6 | 0.24 | 0.00 | 24.6 | 0.50 | 0.00 |
| BPNQC8 | 31.7 | -0.10 | 1.36 | 7.9 | -0.77 | 0.85 | 7.5 | 0.16 | | 10.9 | -0.15 | 1.61 | 20.5 | -0.30 | 1.44 |
| DFEY7A | 33.9 | 0.39 | 0.49 | 12.5 | 0.38 | 0.60 | 8.8 | 0.59 | 0.99 | 13.1 | 0.35 | 0.68 | 23.5 | 0.29 | 0.53 |
| DUEXT8 | 31.3 | -0.18 | 0.54 | 14.0 | 0.75 | 0.65 | 8.6 | 0.52 | 0.02 | 14.6 | 0.69 | 0.02 | 26.0 | 0.77 | 0.58 |
| F673ZB | 31.0 | -0.25 | | 11.0 | 0.00 | | 11.0 | 1.29 | | 14.0 | 0.55 | | 22.0 | 0.00 | |
| FZPP8A | 38.4 | 1.36 | 1.18 | 16.7 | 1.43 | 0.79 | 9.5 | 0.80 | 1.39 | 17.2 | 1.26 | 2.26 | 29.5 | 1.46 | 1.72 |
| H6FRD8 | 36.2 | 0.90 | 0.00 | 16.2 | 1.31 | 0.00 | 6.2 | -0.25 | 0.00 | 18.3 | 1.50 | 0.00 | 26.4 | 0.85 | 0.00 |
| HGR9VC | 29.8 | -0.52 | 1.05 | 9.4 | -0.39 | 0.40 | 6.5 | -0.15 | 0.27 | 11.5 | 0.00 | 1.03 | 49.3 | 5.29**X** | 0.84 |
| HH9DJ3 | 35.2 | 0.66 | 1.36 | 17.2 | 1.55 | 3.77 | 11.5 | 1.45 | 4.28 | 17.3 | 1.29 | 3.03 | 31.0 | 1.75 | 2.81 |
| JBV4FD | 21.9 | -2.23 | 0.37 | 6.7 | -1.09 | 0.33 | 4.5 | -0.82 | 0.15 | 8.5 | -0.67 | 0.31 | 18.7 | -0.65 | 0.64 |
| JK7EW4 | 29.5 | -0.58 | 0.95 | 10.1 | -0.22 | 0.52 | 8.1 | 0.37 | 0.41 | 9.5 | -0.46 | 1.38 | 19.5 | -0.49 | 1.02 |
| JXALTZ | 34.9 | 0.60 | 0.00 | 10.0 | -0.25 | | 5.0 | -0.65 | | 12.5 | 0.22 | | 25.0 | 0.58 | |
| K8FVRD | 36.1 | 0.86 | 0.00 | 12.2 | 0.31 | 0.00 | 9.9 | 0.93 | 0.00 | 17.2 | 1.26 | 0.00 | 24.3 | 0.45 | 0.00 |
| P3TKWW | 25.5 | -1.45 | 0.47 | 6.5 | -1.13 | 0.57 | 3.0 | -1.29 | | 5.0 | -1.46 | | 19.0 | -0.58 | 1.01 |
| QVFBR8 | 34.2 | 0.46 | 0.00 | 10.2 | -0.20 | 0.00 | 7.7 | 0.21 | 0.00 | 12.8 | 0.27 | 0.00 | 49.9 | 5.41**X** | 1.50 |
| QZVJF8 | 32.7 | 0.13 | | 12.8 | 0.44 | | 5.0 | -0.65 | | 5.2 | -1.40 | | 25.0 | 0.58 | |
| TCJDUX | 37.4 | 1.14 | 0.00 | 17.3 | 1.58 | 0.00 | 11.3 | 1.38 | 0.00 | 17.2 | 1.26 | 0.00 | 31.2 | 1.79 | 0.00 |
| VCB32Y | 27.3 | -1.06 | 0.33 | 8.0 | -0.75 | 1.60 | 3.3 | -1.21 | 0.32 | 7.3 | -0.96 | 0.30 | 21.3 | -0.15 | 0.36 |

**Clay   2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups**                    **Data units: Percent**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W4XJ8Q | 33.0 | 0.19 | | 11.0 | 0.00 | | 7.0 | 0.00 | | 11.0 | -0.12 | | 21.0 | -0.19 | |
| W69CWY | 36.9 | 1.03 | 0.00 | 15.3 | 1.08 | 0.00 | 12.8 | 1.86 | 0.00 | 7.7 | -0.86 | 0.00 | 15.5 | -1.26 | 0.00 |
| XQLP3R | 30.4 | -0.37 | 0.49 | 6.1 | -1.22 | 0.35 | 7.4 | 0.12 | 0.66 | 9.2 | -0.52 | 0.20 | 17.5 | -0.87 | 0.19 |
| XR3PAN | 33.8 | 0.35 | 1.18 | 10.0 | -0.25 | | 7.5 | 0.16 | | 12.5 | 0.22 | | 22.1 | 0.02 | 0.73 |
| Y2X9YT | 34.1 | 0.43 | 0.00 | 11.8 | 0.21 | 0.85 | 5.9 | -0.35 | 0.62 | 10.6 | -0.20 | 0.64 | 19.7 | -0.44 | 0.76 |
| ZH6KBJ | 31.6 | -0.12 | 0.25 | 12.3 | 0.33 | 0.28 | 5.3 | -0.54 | 0.10 | 11.8 | 0.05 | 0.26 | 25.4 | 0.65 | 0.25 |
| ZTKTVQ | 28.0 | -0.90 | | 6.0 | -1.25 | | 6.0 | -0.32 | | 6.0 | -1.23 | | 18.0 | -0.78 | |

**Clay   2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups**                    **Data units: Percent**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 32.1 | 11.0 | 7.00 | 11.5 | 22.0 |
| **Median Abs Dev** | 2.5 | 1.7 | 1.83 | 2.9 | 3.0 |
| **Avg Within Lab SD** | 1.1 | 0.9 | 1.11 | 1.2 | 1.0 |
| **Labs Included** | 32 | 32 | 33 | 33 | 31 |
| **Labs Reporting** | 33 | 33 | 33 | 33 | 33 |

**Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups** | | | | | | | | | | | | | | | **Data units: %**

| WebCode | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| **XQLP3R** | **31.7** | 1.00 | | **19.2** | 1.00 | | **10.6** | 1.00 | | **18.8** | 1.00 | | **26.5** | 1.00 | |

**Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups** | | | | | **Data units: %**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 31.7 | 19.2 | 10.6 | 18.8 | 26.5 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.2 | 0.8 | 0.2 | 0.6 | 0.2 |
| **Labs Included** | 1 | 1 | 1 | 1 | 1 |
| **Labs Reporting** | 1 | 1 | 1 | 1 | 1 |

**Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups** — Data units: %

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XQLP3R | **20.09** | 1.00 | | **6.46** | 1.00 | | **5.45** | 1.00 | | **8.53** | 1.00 | | **12.26** | 1.00 | |

**Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups** — Data units: %

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 20.1 | 6.46 | 5.45 | 8.53 | 12.3 |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 0.3 | 0.16 | 0.10 | 0.18 | 0.6 |
| Labs Included | 1 | 1 | 1 | 1 | 1 |
| Labs Reporting | 1 | 1 | 1 | 1 | 1 |

**Available Water Content (SubTestCode 194) in the Moisture Property Groups** — Data units: %

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BBPT8N | 4.78 | 0.64 | | 1.80 | 0.00 | | 1.67 | 0.31 | | 1.88 | 0.07 | | 2.82 | 0.07 | |
| W69CWY | 5.30 | 1.22 | | 2.03 | 0.03 | | 2.15 | 0.27 | | 2.18 | 0.04 | | 3.20 | 0.06 | |
| XQLP3R | 11.60 | 1.05 | | 12.76 | 1.73 | | 5.16 | 1.68 | | 10.25 | 1.73 | | 14.28 | 1.73 | |

**Available Water Content (SubTestCode 194) in the Moisture Property Groups** — Data units: %

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 5.30 | 2.03 | 2.15 | 2.18 | 3.20 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.04 | 0.42 | 0.09 | 0.43 | 0.39 |
| **Labs Included** | 3 | 3 | 3 | 3 | 3 |
| **Labs Reporting** | 3 | 3 | 3 | 3 | 3 |

**Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups**    Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3WWADT | 411.3 | 1.08 | | 854.3 | 1.45 | | 152.3 | 1.59 | | 951.3 | 1.57 | | 485.3 | 1.62 | |
| LLQW29 | 368.7 | 0.35 | | 845.6 | 0.68 | | 144.5 | 0.29 | | 889.8 | 0.65 | | 441.8 | 0.57 | |
| Y2X9YT | 413.8 | 1.31 | | 863.1 | 0.66 | | 143.4 | 0.62 | | 855.0 | 0.33 | | 433.6 | 0.19 | |

**Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups**    Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---------|---------|---------|---------|---------|
| **Grand Median** | 411.3 | 854.3 | 144.5 | 889.8 | 441.8 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 25.9 | 41.2 | 8.9 | 51.6 | 21.5 |
| **Labs Included** | 3 | 3 | 3 | 3 | 3 |
| **Labs Reporting** | 3 | 3 | 3 | 3 | 3 |

**Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups** — Data units: mg/kg

| | SRS2311 | | | SRS2312 | | | SRS2313 | | | SRS2314 | | | SRS2315 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| P3TKWW | **14.6** | 1.00 | | **56.8** | 1.00 | | **7.7** | 1.00 | | **28.4** | 1.00 | | **10.8** | 1.00 | |

**Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups** — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| **Grand Median** | 14.6 | 56.8 | 7.66 | 28.4 | 10.8 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 0.6 | 1.8 | 0.00 | 6.5 | 1.5 |
| **Labs Included** | 1 | 1 | 1 | 1 | 1 |
| **Labs Reporting** | 1 | 1 | 1 | 1 | 1 |

**DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups**  ·  **Data units: mg/kg**

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| LRY7H4 | **16.20** | 0.20 | | **8.83** | 0.81 | | **23.80** | 0.07 | | **36.27** | 0.44 | | **15.43** | 0.41 | |
| P3TKWW | **15.03** | 0.42 | | **8.80** | 0.00 | | **24.57** | 0.13 | | **41.43** | 0.49 | | **15.03** | 0.81 | |
| WC766T | **20.33** | 1.67 | | **13.67** | 1.53 | | **22.97** | 1.73 | | **38.67** | 1.60 | | **20.67** | 1.47 | |

**DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups**  ·  **Data units: mg/kg**

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|------|------|------|------|------|
| **Grand Median** | 16.2 | 8.83 | 23.8 | 38.7 | 15.4 |
| **Median Abs Dev** | | | | | |
| **Avg Within Lab SD** | 1.5 | 0.38 | 5.0 | 1.3 | 0.8 |
| **Labs Included** | 3 | 3 | 3 | 3 | 3 |
| **Labs Reporting** | 3 | 3 | 3 | 3 | 3 |

**DTPA-sorbitol extractable Al (SubTestCode 199) in the Other 2 Property Groups** — Data units: mg/kg

| WebCode | SRS2311 Sample Mean | Z Score | k Score | SRS2312 Sample Mean | Z Score | k Score | SRS2313 Sample Mean | Z Score | k Score | SRS2314 Sample Mean | Z Score | k Score | SRS2315 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 27.00 | 1.38 | | 8.47 | 1.31 | | 36.50 | 1.37 | | 1.07 | 0.44 | | 0.23 | 0.09 | |
| P3TKWW | 48.03 | 0.29 | | 11.37 | 0.52 | | 73.70 | 0.34 | | 3.67 | 1.34 | | 1.83 | 1.41 | |

**DTPA-sorbitol extractable Al (SubTestCode 199) in the Other 2 Property Groups** — Data units: mg/kg

| | SRS2311 | SRS2312 | SRS2313 | SRS2314 | SRS2315 |
|---|---|---|---|---|---|
| Grand Median | 37.5 | 9.92 | 55.1 | 2.37 | 1.03 |
| Median Abs Dev | | | | | |
| Avg Within Lab SD | 4.4 | 1.22 | 14.2 | 0.47 | 0.45 |
| Labs Included | 2 | 2 | 2 | 2 | 2 |
| Labs Reporting | 2 | 2 | 2 | 2 | 2 |

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## Dry Matter (%) (SubTestCode 201)

**Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 93.0 | -0.68 | 0.21 | 94.3 | 0.88 | 0.61 | 94.5 | 0.56 | 0.36 | 94.4 | -0.20 | 0.20 |
| 86VF6P | 92.3 | -1.25 | 0.00 | 92.7 | -0.68 | 0.36 | 93.3 | -0.71 | 0.23 | 94.7 | 0.04 | 0.60 |
| DPJXPJ | 95.6 | 1.42 | 0.68 | 94.7 | 1.31 | 0.38 | 94.9 | 0.92 | 0.31 | 96.2 | 1.33 | 0.77 |
| EN39TB | 95.0 | 0.97 | 0.26 | 92.9 | -0.46 | 0.15 | 94.0 | -0.02 | 0.20 | 94.8 | 0.13 | 0.14 |
| HGXCX4 | 93.8 | -0.06 | 2.75 | 92.8 | -0.54 | 2.11 | 93.5 | -0.53 | 2.37 | 93.8 | -0.74 | 2.32 |
| HH9DJ3 | 94.1 | 0.19 | 2.45 | 94.0 | 0.61 | 2.92 | 94.7 | 0.75 | 2.70 | 95.2 | 0.51 | 2.81 |
| KF94C4 | 94.4 | 0.45 | | 93.4 | 0.02 | | 95.0 | 1.04 | | 95.2 | 0.54 | |
| P3TKWW | 94.8 | 0.74 | 0.00 | 93.8 | 0.43 | 0.00 | 94.3 | 0.35 | 0.00 | 93.0 | -1.35 | 0.00 |
| QZA8GY | 92.4 | -1.14 | 0.27 | 91.9 | -1.48 | 0.00 | 92.1 | -2.02 | 0.69 | 92.8 | -1.56 | 0.39 |
| TQJCHV | 92.2 | -1.34 | 0.09 | 92.7 | -0.72 | 0.02 | 93.4 | -0.61 | 0.16 | 93.6 | -0.86 | 0.08 |
| VCB32Y | 92.8 | -0.82 | 0.71 | 92.5 | -0.88 | | 93.0 | -1.06 | | 93.8 | -0.67 | 0.60 |
| WHHYBQ | 94.1 | 0.20 | 0.00 | 92.9 | -0.49 | 0.00 | 93.4 | -0.63 | 0.00 | 95.1 | 0.42 | 0.00 |
| XKUFTU | 95.0 | 0.94 | 0.51 | 95.1 | 1.71 | 0.57 | 95.4 | 1.45 | 0.50 | 96.1 | 1.30 | 0.45 |
| XR3PAN | 93.9 | 0.06 | 0.01 | 93.8 | 0.42 | 0.05 | 94.1 | 0.10 | 0.06 | 94.6 | -0.04 | 0.04 |
| Y2X9YT | 93.8 | -0.06 | 0.04 | 93.4 | -0.02 | 0.06 | 94.0 | -0.03 | 0.05 | 94.2 | -0.38 | 0.03 |
| YL6GER | 93.2 | -0.49 | 0.00 | 93.5 | 0.13 | 0.00 | 94.0 | 0.02 | 0.00 | 95.5 | 0.72 | 0.00 |

## Dry Matter (%) (SubTestCode 201)

**Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 93.8 | 93.4 | 94.0 | 94.6 |
| Median Abs Dev | 0.9 | 0.6 | 0.6 | 0.7 |
| Avg Within Lab SD | 0.2 | 0.3 | 0.2 | 0.3 |
| Labs Included | 16 | 16 | 16 | 16 |
| Labs Reporting | 16 | 16 | 16 | 16 |

## NO3 - N  Cd Rd. (SubTestCode 202)                                  Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 1,739.3 | -1.48 | 1.18 | 13.4 | -0.03 | 0.18 | 377.0 | -0.10 | 2.87 | 1,497.0 | -0.92 | 0.19 |
| 2W2DFK | 2,420.3 | 0.75 | 0.39 | 42.3 | 0.45 | 0.93 | 347.7 | -0.32 | 0.66 | 2,001.5 | 1.06 | 0.22 |
| 3WWADT | 1,924.7 | -0.88 | 1.02 | 17.3 | 0.03 | 0.55 | 376.3 | -0.11 | 1.18 | 1,609.7 | -0.48 | 0.59 |
| 6ATHQD | 2,253.3 | 0.20 | 1.10 | 2.1 | -0.22 | 0.00 | 458.0 | 0.51 | 0.04 | 1,883.3 | 0.59 | 0.61 |
| 86VF6P | 2,269.4 | 0.25 | 0.28 | 5.0 | -0.17 | 0.02 | 454.3 | 0.48 | 0.14 | 1,904.6 | 0.68 | 0.14 |
| 8Q9F3N | 4,306.0 | 6.92X | 1.00 | 1,323.7 | 22.00X | 3.61 | 219.7 | -1.29 | 0.10 | 4,302.0 | 10.07X | 3.97 |
| 9D3RFD | 2,152.3 | -0.13 | 0.24 | 172.7 | 2.65 | 3.42 | 345.0 | -0.34 | 1.18 | 1,732.0 | 0.00 | 0.28 |
| D7MPC7 | 1,344.4 | -2.78 | 2.30 | 37.5 | 0.37 | 0.14 | 111.4 | -2.10 | 0.91 | 1,224.4 | -1.99 | 2.86 |
| EN39TB | 2,101.8 | -0.30 | 0.27 | 10.4 | -0.08 | 0.04 | 428.4 | 0.29 | 0.53 | 1,695.2 | -0.14 | 0.18 |
| GRFTQA | 2,192.5 | 0.00 | | 22.4 | 0.12 | 0.00 | 459.7 | 0.52 | 0.00 | 1,858.4 | 0.50 | 0.00 |
| GZQVCB | 2,476.0 | 0.93 | 0.58 | 12.7 | -0.04 | 0.07 | 478.3 | 0.66 | 0.05 | 2,155.7 | 1.66 | 0.31 |
| HH9DJ3 | 2,227.3 | 0.11 | 1.79 | 43.0 | 0.46 | 1.34 | 365.7 | -0.19 | 2.07 | 1,799.7 | 0.27 | 1.87 |
| JK7EW4 | 523.3 | -5.46X | 0.15 | 1,883.3 | 31.41X | 12.63 | 27.8 | -2.73 | 0.21 | 380.7 | -5.30X | 0.21 |
| JXALTZ | 2,426.7 | 0.77 | 0.22 | | | | 390.3 | 0.00 | 0.29 | 1,896.7 | 0.65 | 0.07 |
| LRY7H4 | 2,212.3 | 0.06 | 0.21 | 115.0 | 1.68 | 0.47 | 401.3 | 0.08 | 0.65 | 1,611.0 | -0.47 | 1.58 |
| M6MR24 | 1,910.0 | -0.92 | 1.49 | 4.7 | -0.18 | 0.19 | 351.0 | -0.30 | 0.71 | 1,640.0 | -0.36 | 0.22 |
| MM3234 | 2,548.3 | 1.16 | 0.88 | 252.7 | 3.99 | 1.00 | 737.0 | 2.61 | 0.90 | 2,010.3 | 1.09 | 1.07 |
| TQJCHV | 1,999.9 | -0.63 | 0.24 | 4.6 | -0.18 | 0.14 | 409.8 | 0.15 | 0.31 | 1,599.0 | -0.52 | 0.53 |
| XR3PAN | 2,157.1 | -0.12 | 0.05 | 8.2 | -0.12 | 0.16 | 395.7 | 0.04 | 0.33 | 1,708.9 | -0.09 | 0.53 |

## NO3 - N  Cd Rd. (SubTestCode 202)                                  Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 2,192.5 | 15.4 | 390.3 | 1,732.0 |
| Median Abs Dev | 192.6 | 10.7 | 42.7 | 133.0 |
| Avg Within Lab SD | 93.0 | 16.8 | 26.0 | 80.2 |
| Labs Included | 17 | 16 | 19 | 17 |
| Labs Reporting | 19 | 18 | 19 | 19 |

## NO3 - N   ISE (SubTestCode 203)                                                                    Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| 44YNNM | 2,805.7 | 0.84 | | 84.7 | 1.22 | | 541.5 | 1.46 | | 2,205.3 | 0.89 |
| DFEY7A | 2,963.3 | 1.49 | | 135.0 | 0.71 | | 688.7 | 1.07 | | 2,583.3 | 0.71 |
| HGXCX4 | 3,099.1 | 0.79 | | 276.3 | 1.01 | | 580.8 | 0.80 | | 2,925.2 | 1.58 |
| P3TKWW | 2,425.0 | 0.66 | | 290.0 | | | 565.0 | 0.31 | | 2,391.7 | 0.44 |

## NO3 - N   ISE (SubTestCode 203)                                                                    Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 2,884.5 | 205.7 | 572.9 | 2,487.5 |
| **Median Abs Dev** | | | | |
| **Avg Within Lab SD** | 38.1 | 8.8 | 16.2 | 32.7 |
| **Labs Included** | 4 | 4 | 4 | 4 |
| **Labs Reporting** | 4 | 4 | 4 | 4 |

**NO3 - N  Oth. (SubTestCode 204)**      **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KF94C4 | 2,667.7 | 0.90 | | 16.2 | 0.09 | | 515.8 | 0.67 | | 2,224.3 | 1.65 |
| QZA8GY | 2,593.3 | 0.72 | | | | | 441.0 | 0.80 | | 2,127.0 | 0.63 |
| WHHYBQ | 1,796.0 | 0.76 | | | | | 419.3 | 0.70 | | 1,213.3 | 0.88 |
| Y2X9YT | 2,338.3 | 1.45 | | 578.3 | 1.41 | | 1,003.3 | 1.56 | | 2,366.7 | 0.32 |

**NO3 - N  Oth. (SubTestCode 204)**      **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 2,465.8 | 297.3 | 478.4 | 2,175.6 |
| **Median Abs Dev** | | | | |
| **Avg Within Lab SD** | 50.2 | 19.5 | 14.5 | 45.3 |
| **Labs Included** | 4 | 2 | 4 | 4 |
| **Labs Reporting** | 4 | 2 | 4 | 4 |

## NH4-N (SubTestCode 205)    Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3U6BYV | 6,902.6 | 1.99 | | 3,001.1 | 1.73 | | 2,250.8 | 0.00 | | 2,250.8 | 0.00 |
| 86VF6P | 1,847.6 | 0.07 | | 78.3 | 0.01 | | 98.5 | 0.43 | | 293.3 | 0.40 |
| GRFTQA | 2,144.2 | 0.00 | | 44.0 | | | 128.4 | 0.00 | | 307.1 | 0.00 |
| QZA8GY | 2,890.7 | 0.16 | | 300.0 | 0.04 | | 291.3 | 1.95 | | 610.3 | 1.96 |

## NH4-N (SubTestCode 205)    Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---------|---------|---------|---------|---------|
| Grand Median | 2,517.4 | 189.1 | 209.9 | 458.7 |
| Median Abs Dev | | | | |
| Avg Within Lab SD | 260.9 | 150.1 | 2.6 | 4.7 |
| Labs Included | 4 | 4 | 4 | 4 |
| Labs Reporting | 4 | 4 | 4 | 4 |

**PO4 - P (SubTestCode 206)**  **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 4,664.3 | 0.06 | 1.35 | 464.7 | 0.70 | 2.60 | 605.0 | 0.45 | 1.83 | 2,554.7 | 0.11 | 1.78 |
| 2W2DFK | 4,694.0 | 0.12 | 0.10 | 324.0 | -0.75 | 0.80 | 504.3 | -0.81 | 0.76 | 2,407.3 | -0.53 | 0.18 |
| 3U6BYV | 4,623.9 | 0.00 | 0.28 | 315.3 | -0.83 | 0.54 | 569.0 | 0.00 | 1.71 | 2,529.6 | 0.00 | 0.39 |
| 3WWADT | 4,629.3 | 0.00 | 0.48 | 382.3 | -0.15 | 0.77 | 579.7 | 0.13 | 0.52 | 2,474.0 | -0.24 | 1.89 |
| 8Q9F3N | 3,717.7 | -1.56 | 0.59 | 396.7 | 0.00 | 0.98 | 580.3 | 0.14 | 0.65 | 2,600.0 | 0.30 | 0.36 |
| 9D3RFD | 5,063.0 | 0.75 | 0.07 | 399.0 | 0.02 | 0.07 | 510.0 | -0.74 | 0.39 | 2,602.7 | 0.31 | 0.03 |
| D7MPC7 | 4,499.0 | -0.22 | 1.31 | 480.0 | 0.86 | 0.38 | 922.9 | 4.43**X** | 21.41 | 3,156.2 | 2.70 | 1.75 |
| DFEY7A | 4,846.7 | 0.38 | 0.46 | 553.3 | 1.61 | 1.24 | 610.0 | 0.51 | 1.38 | 2,530.0 | 0.00 | 0.45 |
| JK7EW4 | 3,176.7 | -2.49 | 2.66 | 4,320.0 | 40.26**X** | 7.48 | 414.7 | -1.93 | 0.95 | 609.0 | -8.27**X** | 0.03 |
| JXALTZ | 4,418.3 | -0.36 | 0.37 | 333.7 | -0.65 | 0.21 | 513.3 | -0.70 | 0.49 | 2,436.7 | -0.40 | 0.41 |
| MM3234 | 4,933.7 | 0.53 | 0.55 | 538.0 | 1.45 | 0.05 | 673.0 | 1.30 | 0.39 | 2,786.7 | 1.11 | 0.70 |
| P3TKWW | 3,690.0 | -1.61 | 0.16 | 356.7 | -0.41 | 0.16 | 513.3 | -0.70 | 0.30 | 2,130.0 | -1.72 | 0.10 |

**PO4 - P (SubTestCode 206)**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 4,626.6 | 396.7 | 569.0 | 2,530.0 |
| **Median Abs Dev** | 214.2 | 68.0 | 55.7 | 72.7 |
| **Avg Within Lab SD** | 165.1 | 37.2 | 19.1 | 97.5 |
| **Labs Included** | 12 | 11 | 11 | 11 |
| **Labs Reporting** | 12 | 12 | 12 | 12 |

### SO4 - S (SubTestCode 207)                                                                    Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8Q9F3N | 4,306.0 | 1.29 | | 1,323.7 | 1.67 | | 219.7 | 0.14 | | 4,302.0 | 1.63 |
| HGXCX4 | 5,414.9 | 0.63 | | 1,500.4 | 0.17 | | 28.6 | 0.23 | | 5,337.1 | 0.56 |
| P3TKWW | 13,880.0 | 0.97 | | 1,023.3 | 0.42 | | 116.7 | 1.71 | | 3,800.0 | 0.20 |

### SO4 - S (SubTestCode 207)                                                                    Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 5,414.9 | 1,323.7 | 116.7 | 4,302.0 |
| **Median Abs Dev** | | | | |
| **Avg Within Lab SD** | 72.2 | 36.3 | 17.9 | 195.7 |
| **Labs Included** | 3 | 3 | 3 | 3 |
| **Labs Reporting** | 3 | 3 | 3 | 3 |

## Cl (SubTestCode 208)

Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2HGXCL | 1.797 | 2.19 | 0.14 | 0.087 | 0.08 | 0.57 | 0.340 | 2.03 | 1.67 | 2.600 | 0.05 | 0.00 |
| 2W2DFK | 1.383 | -0.74 | 0.70 | 0.063 | -0.41 | 0.29 | 0.183 | 0.00 | 0.71 | 2.443 | -0.84 | 0.29 |
| 86VF6P | 1.454 | -0.24 | 0.15 | 0.049 | -0.70 | 0.02 | 0.173 | -0.13 | 0.05 | 2.572 | -0.11 | 0.04 |
| 8Q9F3N | 1.390 | -0.69 | 1.06 | 0.077 | -0.13 | 1.03 | 0.173 | -0.13 | 0.71 | 2.613 | 0.12 | 2.05 |
| 9D3RFD | 1.487 | 0.00 | 0.61 | 0.087 | 0.08 | 0.24 | 0.180 | -0.04 | 0.33 | 2.343 | -1.40 | 0.64 |
| DFEY7A | 1.547 | 0.42 | 1.41 | 0.087 | 0.08 | 1.03 | 0.193 | 0.13 | 0.71 | 2.757 | 0.93 | 1.14 |
| GZQVCB | 1.539 | 0.36 | 1.14 | 0.162 | 1.64 | 0.03 | 0.862 | 8.80X | 1.74 | 2.591 | 0.00 | 0.10 |
| HH9DJ3 | 1.377 | -0.79 | 0.86 | 0.177 | 1.94 | 2.24 | 0.340 | 2.03 | 1.67 | 2.493 | -0.55 | 2.53 |
| JK7EW4 | 1.667 | 1.27 | 1.41 | 0.167 | 1.73 | 2.87 | 0.333 | 1.95 | 2.68 | 2.633 | 0.24 | 0.81 |
| JQCYVA | 1.625 | 0.97 | 2.63 | 0.104 | 0.44 | 0.80 | 0.214 | 0.40 | 0.71 | 2.774 | 1.03 | 1.42 |
| JXALTZ | 1.360 | -0.90 | 0.24 | 0.050 | -0.68 | 0.00 | 0.160 | -0.30 | 0.00 | 2.417 | -0.99 | 0.16 |
| KF94C4 | 1.527 | 0.28 | 0.47 | 0.073 | -0.20 | 0.13 | 0.202 | 0.25 | 0.08 | 2.615 | 0.14 | 0.79 |
| P3TKWW | 1.637 | 1.05 | 0.29 | 0.110 | 0.57 | 0.03 | 0.238 | 0.71 | 0.06 | 2.883 | 1.65 | 0.00 |
| QZA8GY | 0.137 | -9.56X | 0.58 | 0.076 | -0.14 | 0.25 | 0.112 | -0.92 | 0.35 | 0.705 | -10.66X | 0.18 |
| TQJCHV | 1.367 | -0.86 | 0.14 | 0.105 | 0.45 | 0.43 | 0.142 | -0.54 | 0.82 | 2.313 | -1.57 | 0.08 |
| WHHYBQ | 1.417 | -0.50 | 0.14 | 0.030 | -1.10 | 0.50 | 0.163 | -0.26 | 0.27 | 2.513 | -0.44 | 0.08 |
| Y2X9YT | 1.517 | 0.21 | 0.78 | 0.000 | -1.72 | 0.00 | 0.060 | -1.60 | 0.46 | 2.817 | 1.27 | 0.49 |
| ZTKTVQ | 1.488 | 0.00 | | 0.079 | -0.08 | | 0.186 | 0.03 | | 2.569 | -0.13 | |

## Cl (SubTestCode 208)

Data units: Percent

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---------|---------|---------|---------|---------|
| Grand Median | 1.49 | 0.083 | 0.18 | 2.59 |
| Median Abs Dev | 0.10 | 0.022 | 0.02 | 0.10 |
| Avg Within Lab SD | 0.04 | 0.020 | 0.02 | 0.07 |
| Labs Included | 17 | 18 | 17 | 17 |
| Labs Reporting | 18 | 18 | 18 | 18 |

## TKN (SubTestCode 209)

**Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 3.40 | -1.17 | 0.95 | 1.75 | 0.16 | 2.04 | 2.59 | -0.65 | 1.17 | 3.66 | 3.39 | 2.41 |
| 6ATHQD | 3.47 | -0.76 | 0.26 | 1.77 | 0.44 | 0.37 | 2.66 | -0.29 | 0.53 | 2.42 | -0.32 | 0.15 |
| 72EX2L | 3.35 | -1.45 | 0.04 | 1.73 | -0.22 | 0.07 | 2.67 | -0.25 | 0.03 | 2.36 | -0.50 | 0.01 |
| 86VF6P | 3.83 | 1.23 | 0.66 | 1.90 | 2.16 | 0.54 | 2.91 | 0.98 | 0.20 | 2.71 | 0.54 | 0.30 |
| DPJXPJ | 3.56 | -0.26 | | 1.73 | -0.16 | | 2.80 | 0.40 | | 2.55 | 0.07 | |
| F673ZB | 0.10 | -19.55**X** | 0.15 | 0.11 | -22.47**X** | 0.32 | 0.10 | -13.33**X** | 0.18 | 0.10 | -7.26**X** | 0.05 |
| JK7EW4 | 3.60 | -0.02 | 1.39 | 1.64 | -1.45 | 1.34 | 2.55 | -0.87 | 1.43 | 2.45 | -0.23 | 1.33 |
| LLQW29 | 3.62 | 0.07 | 1.41 | 1.72 | -0.32 | 0.89 | 2.77 | 0.25 | 1.40 | 2.32 | -0.62 | 1.12 |
| P3TKWW | 3.61 | 0.02 | 0.40 | 1.80 | 0.76 | 0.52 | 2.84 | 0.60 | 0.70 | 2.63 | 0.31 | 0.16 |
| VCB32Y | 3.89 | 1.60 | 1.81 | 1.78 | 0.48 | 1.13 | 3.15 | 2.17 | 1.65 | 2.76 | 0.69 | 0.21 |
| XR3PAN | 3.63 | 0.15 | 0.46 | 1.70 | -0.59 | 0.53 | 2.66 | -0.29 | 0.29 | 2.50 | -0.07 | 0.05 |

## TKN (SubTestCode 209)

**Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 3.61 | 1.74 | 2.72 | 2.53 |
| Median Abs Dev | 0.09 | 0.03 | 0.10 | 0.14 |
| Avg Within Lab SD | 0.07 | 0.03 | 0.05 | 0.12 |
| Labs Included | 10 | 10 | 10 | 10 |
| Labs Reporting | 11 | 11 | 11 | 11 |

**N- Dry Comb. (SubTestCode 210)**       **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 3.71 | 0.72 | 0.21 | 2.10 | 2.37 | 2.19 | 2.67 | -0.45 | 1.21 | 2.57 | -0.06 | 1.46 |
| 2W2DFK | 3.95 | 2.22 | 0.56 | 2.04 | 1.88 | 0.13 | 3.07 | 1.97 | 0.53 | 2.95 | 3.58 | 1.26 |
| 3UUGAM | 3.81 | 1.37 | 0.28 | 1.92 | 0.95 | 0.35 | 2.92 | 1.11 | 0.29 | 2.80 | 2.18 | 0.24 |
| 3WWADT | 3.59 | 0.00 | 0.49 | 1.76 | -0.23 | 0.46 | 2.72 | -0.11 | 0.53 | 2.59 | 0.16 | 0.44 |
| 44YNNM | 3.59 | -0.02 | 0.40 | 1.81 | 0.15 | 1.58 | 2.74 | 0.00 | 0.07 | 2.52 | -0.52 | 0.22 |
| 84H2GF | 3.44 | -0.92 | 1.41 | 1.62 | -1.36 | 4.01 | 2.52 | -1.35 | 2.11 | 2.30 | -2.63 | 2.36 |
| 86VF6P | 3.56 | -0.16 | 0.28 | 1.74 | -0.39 | 0.25 | 2.73 | -0.05 | 0.32 | 2.58 | 0.10 | 0.15 |
| 8Q9F3N | 3.57 | -0.14 | 0.28 | 1.79 | -0.05 | 0.70 | 2.75 | 0.03 | 0.24 | 2.57 | -0.06 | 0.64 |
| 9D72ND | 3.09 | -3.10 | 1.39 | 1.58 | -1.65 | 0.22 | 2.20 | -3.28X | 0.42 | 1.97 | -5.72X | 4.06 |
| BVW8T9 | 3.67 | 0.50 | 0.43 | 1.88 | 0.66 | 0.29 | 2.86 | 0.70 | 0.36 | 2.55 | -0.24 | 1.08 |
| CFJV2F | 3.65 | 0.39 | 0.28 | 1.83 | 0.28 | 0.22 | 2.81 | 0.42 | 0.42 | 2.66 | 0.80 | 0.15 |
| D7MPC7 | 3.48 | -0.71 | 0.43 | 1.76 | -0.23 | 0.46 | 2.70 | -0.28 | 0.23 | 2.57 | -0.01 | 0.12 |
| DFEY7A | 3.58 | -0.04 | 0.28 | 1.79 | -0.05 | 0.33 | 2.73 | -0.07 | 0.21 | 2.59 | 0.13 | 0.29 |
| EN39TB | 3.48 | -0.68 | 0.13 | 1.67 | -0.96 | 0.06 | 2.40 | -2.06 | 0.75 | 2.41 | -1.58 | 0.22 |
| EPDZY7 | 3.89 | 1.83 | 1.92 | 2.13 | 2.56 | 2.00 | 3.18 | 2.66 | 0.94 | 3.03 | 4.33X | 2.51 |
| FZPP8A | 3.59 | 0.02 | 0.47 | 1.73 | -0.45 | 0.41 | 2.69 | -0.29 | 0.37 | 2.55 | -0.17 | 0.12 |
| GRFTQA | 3.67 | 0.50 | 0.00 | 1.85 | 0.43 | 0.00 | 2.81 | 0.43 | 0.00 | 2.63 | 0.52 | 0.00 |
| GZQVCB | 3.57 | -0.12 | 0.19 | 1.76 | -0.26 | 0.22 | 2.70 | -0.27 | 0.12 | 2.61 | 0.39 | 0.15 |
| HGXCX4 | 3.54 | -0.28 | 1.15 | 1.81 | 0.14 | 0.23 | 2.80 | 0.37 | 0.46 | 2.56 | -0.12 | 0.70 |
| HH9DJ3 | 3.78 | 1.17 | 4.03 | 1.83 | 0.25 | 1.02 | 2.81 | 0.40 | 1.49 | 2.70 | 1.17 | 1.79 |
| JQCYVA | 3.61 | 0.14 | 0.43 | 1.81 | 0.14 | 0.22 | 2.79 | 0.32 | 0.53 | 2.55 | -0.25 | 0.46 |
| JXALTZ | 3.63 | 0.27 | 0.11 | 1.83 | 0.26 | 0.13 | 2.82 | 0.50 | 0.12 | 2.61 | 0.35 | 0.00 |
| KF94C4 | 3.76 | 1.07 | 0.32 | 1.90 | 0.83 | 0.08 | 2.91 | 1.02 | 1.08 | 2.64 | 0.67 | 0.36 |
| KHEFJ7 | 3.60 | 0.04 | 0.47 | 1.88 | 0.67 | 0.22 | 2.91 | 1.00 | 0.43 | 2.68 | 0.99 | 0.39 |
| LLQW29 | 3.64 | 0.30 | 0.36 | 1.80 | 0.05 | 0.30 | 2.75 | 0.03 | 0.33 | 2.56 | -0.14 | 0.36 |
| LRY7H4 | 3.59 | 0.00 | 0.49 | 1.80 | 0.05 | 0.44 | 2.79 | 0.27 | 0.84 | 2.57 | 0.01 | 0.53 |

## N- Dry Comb. (SubTestCode 210)                                    Data units: Percent

| | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| M6MR24 | 4.16 | 3.49X | 0.21 | 2.43 | 4.94X | 0.25 | 3.45 | 4.28X | 1.15 | 3.06 | 4.66X | 1.05 |
| MM3234 | 3.67 | 0.47 | 2.15 | 1.80 | 0.05 | 2.19 | 2.80 | 0.36 | 2.09 | 2.53 | -0.37 | 3.86 |
| P3TKWW | 3.78 | 1.17 | 0.45 | 1.87 | 0.61 | 0.31 | 2.93 | 1.13 | 0.42 | 2.77 | 1.86 | 0.39 |
| PTLTHV | 3.31 | -1.71 | 1.21 | 1.64 | -1.21 | 0.89 | 2.47 | -1.62 | 1.07 | 2.35 | -2.15 | 1.27 |
| QZA8GY | 3.59 | 0.00 | 0.00 | 1.70 | -0.69 | 0.13 | 2.70 | -0.25 | 0.21 | 2.61 | 0.35 | 0.25 |
| TFKQ8P | 3.59 | -0.02 | 0.65 | 1.75 | -0.31 | 0.99 | 2.54 | -1.22 | 3.56 | 2.63 | 0.51 | 0.53 |
| TQJCHV | 3.37 | -1.36 | 0.19 | 1.67 | -0.98 | 0.13 | 2.63 | -0.67 | 0.21 | 2.49 | -0.79 | 0.25 |
| TZUE4V | 3.50 | -0.55 | 0.93 | 1.70 | -0.69 | 0.63 | 2.62 | -0.72 | 0.73 | 2.56 | -0.09 | 0.53 |
| UNBDWZ | 3.40 | -1.17 | 0.19 | 1.67 | -0.98 | 0.25 | 2.63 | -0.67 | 0.55 | 2.52 | -0.47 | 0.58 |
| WHHYBQ | 3.58 | -0.04 | 0.28 | 1.71 | -0.64 | 0.44 | 2.67 | -0.41 | 1.54 | 2.56 | -0.09 | 0.29 |
| XKUFTU | 3.75 | 1.01 | 0.57 | 1.82 | 0.21 | 0.30 | 2.84 | 0.60 | 0.55 | 2.64 | 0.66 | 0.65 |
| Y2X9YT | 3.57 | -0.10 | 0.39 | 1.74 | -0.39 | 0.13 | 2.73 | -0.05 | 0.12 | 2.57 | -0.06 | 0.53 |
| ZTKTVQ | 3.38 | -1.29 | 1.40 | 1.59 | -1.57 | 0.22 | 2.56 | -1.10 | 1.16 | 2.58 | 0.07 | 1.26 |

## N- Dry Comb. (SubTestCode 210)                                    Data units: Percent

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 3.59 | 1.79 | 2.74 | 2.57 |
| Median Abs Dev | 0.08 | 0.06 | 0.07 | 0.04 |
| Avg Within Lab SD | 0.05 | 0.05 | 0.05 | 0.04 |
| Labs Included | 38 | 38 | 37 | 36 |
| Labs Reporting | 39 | 39 | 39 | 39 |

# ALP Program - Participant Web Summary Report - Cycle 52 - Fall 2023

**S- Dry Comb. (SubTestCode 211)** **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EN39TB | 0.61 | 1.31 | | 0.27 | 0.28 | | 0.18 | 1.41 | | 0.54 | 1.41 |
| JXALTZ | 0.57 | 0.53 | | 0.25 | 1.39 | | 0.17 | 0.00 | | 0.61 | 0.00 |

**S- Dry Comb. (SubTestCode 211)** **Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 0.59 | 0.26 | 0.17 | 0.57 |
| **Median Abs Dev** | | | | |
| **Avg Within Lab SD** | 0.01 | 0.00 | 0.00 | 0.01 |
| **Labs Included** | 2 | 2 | 2 | 2 |
| **Labs Reporting** | 2 | 2 | 2 | 2 |

**P (SubTestCode 212) in the Wet Digestion Property Groups**  **Data units: Percent**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 0.67 | 0.91 | 0.73 | 0.10 | 0.28 | 0.39 | 0.18 | 0.44 | 0.12 | 0.40 | 0.60 | 0.39 |
| 2W2DFK | 0.65 | 0.58 | 0.72 | 0.10 | 0.25 | 0.85 | 0.17 | 0.15 | 0.47 | 0.39 | 0.26 | 0.44 |
| 3U6BYV | 0.51 | -1.73 | 3.61 | 0.08 | -1.37 | 0.00 | 0.18 | 0.39 | 0.47 | 0.37 | -0.17 | 1.91 |
| 3UUGAM | 0.60 | -0.35 | 0.11 | 0.09 | -0.08 | 0.08 | 0.17 | 0.20 | 0.08 | 0.37 | -0.14 | 0.19 |
| 3WWADT | 0.63 | 0.28 | 0.85 | 0.09 | -0.89 | 0.39 | 0.16 | -0.56 | 0.47 | 0.38 | 0.06 | 1.33 |
| 44YNNM | 0.62 | 0.15 | 0.97 | 0.10 | 0.12 | 1.93 | 0.15 | -1.44 | 2.29 | 0.38 | 0.15 | 0.67 |
| 6ATHQD | 0.60 | -0.27 | 0.83 | 0.09 | -0.43 | 0.51 | 0.16 | -0.80 | 0.81 | 0.35 | -0.92 | 0.76 |
| 72EX2L | 0.55 | -1.11 | 0.00 | 0.11 | 1.54 | 0.00 | 0.16 | -0.56 | 0.47 | 0.29 | -2.85 | 0.00 |
| 84H2GF | 0.58 | -0.54 | 1.22 | 0.10 | 0.51 | 1.38 | 0.17 | -0.30 | 0.32 | 0.39 | 0.35 | 0.43 |
| 86VF6P | 0.67 | 0.87 | 0.20 | 0.10 | 0.48 | 0.07 | 0.18 | 0.94 | 0.17 | 0.39 | 0.36 | 0.17 |
| 8Q9F3N | 0.56 | -0.89 | 0.86 | 0.09 | -0.73 | 0.85 | 0.15 | -1.28 | 0.47 | 0.34 | -1.14 | 0.88 |
| 9D3RFD | 0.73 | 1.95 | 1.65 | 0.19 | 9.64**X** | 0.83 | 0.26 | 6.68**X** | 0.38 | 0.48 | 3.16**X** | 0.77 |
| BVW8T9 | 0.63 | 0.17 | 0.69 | 0.10 | 0.30 | 3.24 | 0.18 | 0.81 | 0.56 | 0.40 | 0.69 | 2.07 |
| CD7DRH | 0.64 | 0.49 | 0.88 | 0.10 | 0.10 | 0.40 | 0.18 | 0.30 | 0.42 | 0.39 | 0.50 | 0.91 |
| CFJV2F | 0.60 | -0.27 | 0.29 | 0.08 | -0.92 | 0.08 | 0.16 | -0.68 | 0.05 | 0.35 | -1.07 | 0.24 |
| D7MPC7 | 0.82 | 3.40**X** | 1.61 | 0.12 | 2.84 | 0.19 | 0.25 | 5.30**X** | 0.81 | 0.55 | 5.42**X** | 2.01 |
| DF9V4J | 0.58 | -0.60 | 1.09 | 0.09 | -0.73 | 0.85 | 0.15 | -1.28 | 0.94 | 0.34 | -1.14 | 1.16 |
| DPJXPJ | 0.74 | 2.09 | 2.19 | 0.10 | 0.72 | 1.55 | 0.18 | 0.77 | 1.72 | 0.39 | 0.25 | 1.45 |
| EN39TB | 0.65 | 0.65 | 0.46 | 0.09 | -0.27 | 0.11 | 0.18 | 0.28 | 0.05 | 0.39 | 0.37 | 0.17 |
| EPDZY7 | 0.62 | 0.09 | 1.05 | 0.10 | 0.51 | 0.59 | 0.20 | 2.11 | 0.45 | 0.15 | -7.25**X** | 0.42 |
| F673ZB | 0.56 | -0.94 | 0.41 | 0.09 | -0.73 | 0.85 | 0.17 | -0.32 | 0.94 | 0.35 | -1.03 | 0.44 |
| FEB6BA | 0.64 | 0.41 | 0.76 | 0.09 | 0.08 | 0.22 | 0.18 | 0.56 | 0.21 | 0.40 | 0.64 | 0.23 |
| FZPP8A | 0.61 | -0.12 | 0.59 | 0.09 | -0.13 | 0.62 | 0.17 | 0.00 | 0.54 | 0.37 | -0.26 | 1.10 |
| GRFTQA | 0.60 | -0.20 | 0.00 | 0.09 | -0.69 | 0.00 | 0.17 | -0.37 | 0.00 | 0.36 | -0.50 | 0.00 |
| GZQVCB | 0.65 | 0.52 | 0.24 | 0.10 | 0.25 | 0.85 | 0.17 | -0.09 | 0.00 | 0.38 | -0.06 | 0.88 |
| HH9DJ3 | 0.65 | 0.57 | 0.94 | 0.09 | -0.08 | 0.98 | 0.18 | 0.27 | 1.00 | 0.39 | 0.31 | 1.87 |

**P (SubTestCode 212) in the Wet Digestion Property Groups**
                                        **Data units: Percent**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| JK7EW4 | 0.59 | -0.44 | 0.72 | 0.10 | 0.25 | 0.85 | 0.16 | -0.56 | 0.47 | 0.37 | -0.28 | 1.52 |
| JQCYVA | 0.60 | -0.28 | 1.14 | 0.09 | -0.47 | 1.32 | 0.16 | -0.85 | 0.63 | 0.37 | -0.18 | 1.35 |
| KF94C4 | 0.69 | 1.18 | 0.59 | 0.10 | 0.39 | 0.27 | 0.18 | 0.50 | 0.18 | 0.41 | 1.03 | 0.18 |
| KHEFJ7 | 0.59 | -0.38 | 0.63 | 0.09 | -0.08 | 0.85 | 0.18 | 0.87 | 0.47 | 0.39 | 0.26 | 1.16 |
| LLQW29 | 0.57 | -0.79 | 0.67 | 0.09 | -0.66 | 0.44 | 0.17 | -0.33 | 0.11 | 0.35 | -0.89 | 0.78 |
| LRY7H4 | 0.61 | -0.15 | 0.63 | 0.11 | 1.54 | 1.46 | 0.18 | 0.63 | 0.81 | 0.39 | 0.47 | 1.16 |
| M6MR24 | 0.56 | -0.94 | 2.30 | 0.09 | -0.73 | 0.85 | 0.15 | -1.28 | 0.47 | 0.32 | -1.78 | 1.75 |
| MM3234 | 0.66 | 0.75 | 0.41 | 0.09 | -0.76 | 0.37 | 0.16 | -0.56 | 0.47 | 0.40 | 0.58 | 1.91 |
| N79TKW | 0.76 | 2.43 | 1.09 | 0.10 | 0.57 | 0.00 | 0.17 | 0.15 | 0.94 | 0.39 | 0.47 | 1.75 |
| P3TKWW | 0.63 | 0.26 | 0.09 | 0.10 | 0.28 | 0.00 | 0.18 | 0.37 | 0.05 | 0.40 | 0.70 | 0.05 |
| PTLTHV | 0.59 | -0.49 | 0.24 | 0.10 | 0.57 | 0.00 | 0.17 | -0.09 | 0.00 | 0.36 | -0.71 | 0.44 |
| QZA8GY | 0.72 | 1.75 | 0.49 | 0.12 | 2.12 | 0.39 | 0.21 | 2.65 | 0.17 | 0.45 | 2.32 | 0.16 |
| TFKQ8P | 0.63 | 0.24 | 0.72 | 0.09 | -0.40 | 0.00 | 0.17 | -0.32 | 0.47 | 0.38 | -0.06 | 0.88 |
| TQJCHV | 0.59 | -0.38 | 0.63 | 0.09 | -0.73 | 0.85 | 0.16 | -0.56 | 0.47 | 0.38 | 0.15 | 0.44 |
| TZUE4V | 0.60 | -0.25 | 0.34 | 0.09 | -0.69 | 0.53 | 0.16 | -0.63 | 0.12 | 0.35 | -0.96 | 1.65 |
| UNBDWZ | 0.56 | -0.94 | 1.49 | 0.12 | 2.84 | 3.69 | 0.17 | -0.32 | 5.28 | 0.34 | -1.14 | 0.44 |
| VCB32Y | 0.61 | -0.09 | 1.08 | 0.11 | 1.38 | 1.32 | 0.18 | 0.72 | 0.70 | 0.37 | -0.35 | 1.04 |
| WHHYBQ | 0.65 | 0.52 | 0.24 | 0.09 | -0.40 | 0.00 | 0.18 | 0.39 | 0.47 | 0.39 | 0.36 | 0.00 |
| XKUFTU | 0.62 | 0.14 | 0.12 | 0.09 | -0.21 | 0.15 | 0.18 | 0.39 | 0.20 | 0.38 | -0.06 | 0.42 |
| XR3PAN | 0.73 | 1.94 | 0.42 | 0.11 | 1.25 | 0.59 | 0.20 | 2.05 | 0.43 | 0.43 | 1.56 | 0.84 |
| Y2X9YT | 0.60 | -0.21 | 0.48 | 0.09 | -0.40 | 0.00 | 0.15 | -1.52 | 0.00 | 0.32 | -1.99 | 0.44 |
| YL6GER | 0.67 | 0.91 | 0.83 | 0.10 | 0.57 | 0.00 | 0.18 | 0.87 | 0.94 | 0.39 | 0.47 | 0.44 |
| ZTKTVQ | 0.61 | -0.16 | 0.10 | 0.09 | -0.11 | 0.23 | 0.17 | -0.18 | 0.20 | 0.37 | -0.40 | 0.44 |

**P (SubTestCode 212) in the Wet Digestion Property Groups**

**Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.62 | 0.09 | 0.17 | 0.38 |
| Median Abs Dev | 0.03 | 0.01 | 0.01 | 0.01 |
| Avg Within Lab SD | 0.02 | 0.01 | 0.01 | 0.01 |
| Labs Included | 48 | 48 | 47 | 46 |
| Labs Reporting | 49 | 49 | 49 | 49 |

**K (SubTestCode 213) in the Wet Digestion Property Groups**   **Data units: Percent**

| | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 6.06 | 1.13 | 0.97 | 1.48 | 0.97 | 1.72 | 1.38 | 0.70 | 0.92 | 7.86 | 1.01 | 1.18 |
| 2W2DFK | 5.65 | 0.22 | 0.61 | 1.42 | 0.49 | 0.70 | 1.32 | 0.28 | 0.40 | 6.63 | -0.74 | 0.23 |
| 3U6BYV | 3.31 | -4.94X | 2.91 | 1.44 | 0.67 | 0.40 | 1.26 | -0.18 | 1.05 | 3.57 | -5.11X | 0.75 |
| 3UUGAM | 5.99 | 0.95 | 0.15 | 1.36 | 0.02 | 0.21 | 1.30 | 0.09 | 0.12 | 7.67 | 0.74 | 0.14 |
| 3WWADT | 5.26 | -0.65 | 0.92 | 1.29 | -0.53 | 1.06 | 1.17 | -0.93 | 0.08 | 6.93 | -0.30 | 2.02 |
| 44YNNM | 5.17 | -0.84 | 1.31 | 1.31 | -0.38 | 2.87 | 1.16 | -0.98 | 2.98 | 6.97 | -0.26 | 0.64 |
| 6ATHQD | 5.33 | -0.49 | 0.59 | 1.30 | -0.45 | 2.00 | 1.20 | -0.67 | 1.31 | 6.83 | -0.45 | 0.83 |
| 72EX2L | 4.67 | -1.94 | 0.03 | 1.18 | -1.38 | 0.12 | 1.10 | -1.42 | 0.08 | 6.81 | -0.48 | 0.04 |
| 84H2GF | 5.57 | 0.03 | 2.02 | 1.70 | 2.79X | 7.07 | 1.49 | 1.60 | 5.08 | 7.58 | 0.61 | 1.04 |
| 86VF6P | 5.90 | 0.76 | 0.23 | 1.45 | 0.76 | 0.04 | 1.42 | 1.04 | 0.26 | 7.38 | 0.34 | 0.21 |
| 8Q9F3N | 4.99 | -1.25 | 0.74 | 1.23 | -0.98 | 0.70 | 1.16 | -0.98 | 0.53 | 6.40 | -1.07 | 0.78 |
| 9D3RFD | 5.72 | 0.37 | 0.40 | 1.55 | 1.54 | 0.47 | 1.38 | 0.75 | 0.09 | 7.72 | 0.81 | 0.34 |
| BVW8T9 | 5.19 | -0.79 | 0.32 | 1.25 | -0.88 | 0.22 | 1.18 | -0.83 | 0.16 | 6.99 | -0.23 | 0.62 |
| CD7DRH | 5.67 | 0.25 | 1.01 | 1.40 | 0.35 | 0.40 | 1.34 | 0.44 | 0.15 | 7.68 | 0.76 | 0.68 |
| CFJV2F | 5.50 | -0.12 | 0.49 | 1.29 | -0.50 | 0.42 | 1.26 | -0.18 | 0.15 | 7.23 | 0.12 | 0.38 |
| D7MPC7 | 6.16 | 1.35 | 1.59 | 1.55 | 1.59 | 0.56 | 1.53 | 1.87 | 0.56 | 8.37 | 1.75 | 3.89 |
| DF9V4J | 5.25 | -0.67 | 0.45 | 1.27 | -0.69 | 0.20 | 1.19 | -0.75 | 0.35 | 6.96 | -0.27 | 0.37 |
| DPJXPJ | 5.70 | 0.32 | 1.89 | 1.52 | 1.30 | 3.09 | 1.37 | 0.64 | 0.29 | 7.25 | 0.15 | 0.98 |
| EN39TB | 5.49 | -0.13 | 0.36 | 1.32 | -0.29 | 0.11 | 1.24 | -0.33 | 0.03 | 7.22 | 0.10 | 0.13 |
| EPDZY7 | 5.08 | -1.04 | 1.95 | 1.52 | 1.29 | 1.22 | 1.55 | 2.00 | 0.33 | 3.07 | -5.82X | 0.21 |
| F673ZB | 5.41 | -0.32 | 0.11 | 1.36 | 0.03 | 0.20 | 1.34 | 0.41 | 0.13 | 7.10 | -0.07 | 0.03 |
| FEB6BA | 5.73 | 0.40 | 0.85 | 1.42 | 0.49 | 0.31 | 1.41 | 0.93 | 0.66 | 7.60 | 0.65 | 0.38 |
| FZPP8A | 5.57 | 0.04 | 0.45 | 1.22 | -1.12 | 0.39 | 1.22 | -0.55 | 0.33 | 7.36 | 0.31 | 0.39 |
| GRFTQA | 5.35 | -0.45 | 0.00 | 1.35 | -0.02 | 0.00 | 1.29 | 0.05 | 0.00 | 7.07 | -0.11 | 0.00 |
| GZQVCB | 5.75 | 0.44 | 0.08 | 1.47 | 0.89 | 0.12 | 1.41 | 0.96 | 0.00 | 7.56 | 0.59 | 0.14 |
| HH9DJ3 | 5.73 | 0.40 | 0.86 | 1.38 | 0.17 | 1.63 | 1.28 | -0.05 | 0.91 | 7.02 | -0.18 | 1.23 |

**K (SubTestCode 213) in the Wet Digestion Property Groups**     **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JK7EW4 | 5.28 | -0.60 | 1.07 | 1.43 | 0.57 | 0.50 | 1.29 | 0.00 | 0.40 | 6.94 | -0.30 | 0.99 |
| JQCYVA | 5.13 | -0.94 | 2.68 | 1.43 | 0.61 | 0.81 | 1.39 | 0.83 | 1.03 | 7.53 | 0.55 | 2.65 |
| KF94C4 | 6.02 | 1.02 | 0.17 | 1.25 | -0.82 | 0.36 | 1.31 | 0.16 | 0.30 | 7.71 | 0.80 | 0.21 |
| KHEFJ7 | 5.57 | 0.03 | 0.16 | 1.40 | 0.38 | 0.31 | 1.28 | -0.03 | 0.15 | 7.52 | 0.53 | 0.09 |
| LLQW29 | 5.09 | -1.03 | 0.62 | 1.32 | -0.29 | 0.71 | 1.27 | -0.12 | 0.09 | 6.83 | -0.45 | 0.64 |
| LRY7H4 | 4.97 | -1.29 | 0.28 | 1.30 | -0.45 | 2.00 | 1.20 | -0.67 | 1.31 | 6.47 | -0.97 | 0.69 |
| M6MR24 | 4.95 | -1.33 | 2.31 | 1.30 | -0.47 | 1.89 | 1.17 | -0.88 | 0.89 | 6.33 | -1.16 | 1.36 |
| MM3234 | 6.20 | 1.43 | 2.23 | 1.57 | 1.69 | 1.15 | 1.47 | 1.39 | 1.52 | 8.10 | 1.36 | 0.66 |
| N79TKW | 5.84 | 0.64 | 0.52 | 1.34 | -0.10 | 0.92 | 1.10 | -1.42 | 0.33 | 6.54 | -0.87 | 0.87 |
| P3TKWW | 5.68 | 0.28 | 0.03 | 1.45 | 0.79 | 0.07 | 1.32 | 0.28 | 0.14 | 7.70 | 0.78 | 0.06 |
| PTLTHV | 5.59 | 0.09 | 0.16 | 1.32 | -0.29 | 0.40 | 1.24 | -0.34 | 0.20 | 7.27 | 0.18 | 0.18 |
| QZA8GY | 5.75 | 0.44 | 0.43 | 1.41 | 0.41 | 0.42 | 1.38 | 0.72 | 0.13 | 7.63 | 0.69 | 0.32 |
| TFKQ8P | 5.25 | -0.68 | 1.41 | 1.30 | -0.42 | 0.61 | 1.24 | -0.34 | 0.42 | 6.99 | -0.22 | 1.27 |
| TQJCHV | 4.49 | -2.35 | 0.61 | 1.17 | -1.46 | 0.31 | 1.13 | -1.21 | 0.13 | 6.12 | -1.47 | 0.83 |
| TZUE4V | 5.55 | 0.00 | 0.24 | 1.35 | -0.02 | 0.23 | 1.30 | 0.13 | 0.20 | 6.79 | -0.50 | 1.76 |
| UNBDWZ | 3.50 | -4.54**X** | 1.08 | 1.67 | 2.49 | 0.70 | 1.44 | 1.21 | 0.08 | 5.40 | -2.50 | 0.20 |
| VCB32Y | 5.51 | -0.10 | 0.79 | 1.39 | 0.30 | 0.81 | 1.35 | 0.46 | 0.72 | 6.16 | -1.41 | 0.51 |
| WHHYBQ | 5.66 | 0.24 | 0.03 | 1.34 | -0.15 | 0.23 | 1.28 | -0.03 | 0.50 | 7.44 | 0.42 | 0.08 |
| XKUFTU | 5.43 | -0.27 | 0.27 | 1.39 | 0.26 | 0.11 | 1.35 | 0.51 | 0.12 | 7.27 | 0.18 | 0.39 |
| XR3PAN | 6.10 | 1.20 | 0.55 | 1.55 | 1.58 | 0.89 | 1.44 | 1.21 | 0.34 | 8.43 | 1.83 | 0.58 |
| Y2X9YT | 5.28 | -0.60 | 0.23 | 1.31 | -0.39 | 0.64 | 1.16 | -0.96 | 0.33 | 6.54 | -0.87 | 0.27 |
| YL6GER | 5.57 | 0.04 | 1.15 | 1.35 | -0.07 | 0.64 | 1.27 | -0.13 | 0.57 | 7.15 | 0.00 | 0.75 |
| ZTKTVQ | 4.75 | -1.77 | 0.46 | 1.28 | -0.58 | 0.61 | 1.23 | -0.42 | 0.20 | 6.07 | -1.54 | 0.65 |

**K (SubTestCode 213) in the Wet Digestion Property Groups**                    **Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 5.55 | 1.36 | 1.29 | 7.15 |
| Median Abs Dev | 0.27 | 0.06 | 0.09 | 0.39 |
| Avg Within Lab SD | 0.20 | 0.05 | 0.08 | 0.30 |
| Labs Included | 47 | 48 | 49 | 47 |
| Labs Reporting | 49 | 49 | 49 | 49 |

**Ca (SubTestCode 214) in the Wet Digestion Property Groups**       **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 1.88 | 1.12 | 0.72 | 3.85 | 0.68 | 2.22 | 1.71 | 0.84 | 1.30 | 1.59 | 0.87 | 1.04 |
| 2W2DFK | 1.84 | 0.88 | 0.65 | 3.78 | 0.47 | 0.69 | 1.63 | 0.34 | 0.61 | 1.57 | 0.78 | 0.09 |
| 3U6BYV | 1.70 | -0.04 | 3.62 | 3.89 | 0.82 | 2.01 | 1.53 | -0.19 | 3.13 | 1.78 | 2.12 | 2.81 |
| 3UUGAM | 1.66 | -0.31 | 0.18 | 3.47 | -0.43 | 0.16 | 1.53 | -0.23 | 0.07 | 1.40 | -0.34 | 0.10 |
| 3WWADT | 1.66 | -0.30 | 2.01 | 3.34 | -0.80 | 1.43 | 1.39 | -0.99 | 1.87 | 1.43 | -0.14 | 1.86 |
| 44YNNM | 1.60 | -0.70 | 1.05 | 3.34 | -0.81 | 2.44 | 1.37 | -1.12 | 3.52 | 1.39 | -0.42 | 0.75 |
| 6ATHQD | 1.63 | -0.45 | 0.81 | 3.40 | -0.63 | 1.26 | 1.43 | -0.76 | 1.50 | 1.33 | -0.80 | 0.93 |
| 72EX2L | 1.46 | -1.59 | 0.16 | 3.34 | -0.81 | 0.00 | 1.33 | -1.36 | 0.00 | 1.35 | -0.69 | 0.00 |
| 84H2GF | 1.73 | 0.17 | 1.16 | 3.66 | 0.12 | 1.98 | 1.66 | 0.55 | 0.82 | 1.60 | 0.93 | 0.88 |
| 86VF6P | 1.85 | 0.95 | 0.15 | 3.78 | 0.48 | 0.21 | 1.68 | 0.66 | 0.25 | 1.53 | 0.51 | 0.31 |
| 8Q9F3N | 1.66 | -0.30 | 0.70 | 3.35 | -0.79 | 0.55 | 1.48 | -0.52 | 0.78 | 1.42 | -0.23 | 0.42 |
| 9D3RFD | 1.76 | 0.34 | 0.74 | 3.62 | 0.00 | 0.12 | 1.60 | 0.21 | 0.16 | 1.46 | 0.00 | 0.43 |
| BVW8T9 | 1.59 | -0.74 | 0.23 | 3.27 | -1.03 | 0.20 | 1.40 | -0.97 | 0.10 | 1.39 | -0.46 | 0.43 |
| CD7DRH | 1.68 | -0.13 | 0.92 | 3.62 | 0.01 | 0.19 | 1.56 | -0.04 | 0.94 | 1.45 | -0.04 | 0.32 |
| D7MPC7 | 1.89 | 1.19 | 0.94 | 3.90 | 0.84 | 0.87 | 1.80 | 1.35 | 0.73 | 1.78 | 2.11 | 1.47 |
| DF9V4J | 1.54 | -1.08 | 1.20 | 3.31 | -0.90 | 0.26 | 1.41 | -0.88 | 0.49 | 1.32 | -0.89 | 0.58 |
| DPJXPJ | 1.91 | 1.35 | 0.91 | 4.16 | 1.59 | 2.92 | 1.79 | 1.30 | 0.33 | 1.66 | 1.33 | 1.27 |
| EN39TB | 2.18 | 3.07X | 0.37 | 4.42 | 2.36X | 0.06 | 1.98 | 2.34 | 0.13 | 1.82 | 2.40 | 0.09 |
| EPDZY7 | 1.81 | 0.68 | 2.38 | 3.83 | 0.62 | 1.21 | 1.84 | 1.57 | 0.46 | 0.74 | -4.69X | 3.75 |
| F673ZB | 1.38 | -2.11 | 0.22 | 2.89 | -2.12 | 0.15 | 1.70 | 0.74 | 0.06 | 1.55 | 0.65 | 0.52 |
| FEB6BA | 1.80 | 0.62 | 0.99 | 3.96 | 1.00 | 0.73 | 1.76 | 1.09 | 0.64 | 1.56 | 0.67 | 0.56 |
| FZPP8A | 1.80 | 0.60 | 1.23 | 3.70 | 0.26 | 1.21 | 1.57 | 0.03 | 0.71 | 1.50 | 0.28 | 1.33 |
| GRFTQA | 1.67 | -0.22 | 0.00 | 3.67 | 0.16 | 0.00 | 1.55 | -0.08 | 0.00 | 1.41 | -0.28 | 0.00 |
| GZQVCB | 1.84 | 0.86 | 0.08 | 3.70 | 0.26 | 0.04 | 1.68 | 0.63 | 0.07 | 1.55 | 0.60 | 0.19 |
| HH9DJ3 | 1.83 | 0.79 | 0.97 | 3.54 | -0.22 | 1.18 | 1.57 | 0.04 | 1.04 | 1.50 | 0.31 | 1.21 |
| JK7EW4 | 1.71 | 0.06 | 0.91 | 3.63 | 0.03 | 0.84 | 1.60 | 0.19 | 0.34 | 1.52 | 0.40 | 1.14 |

**Ca (SubTestCode 214) in the Wet Digestion Property Groups**  **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQCYVA | 1.66 | -0.31 | 0.34 | 3.72 | 0.30 | 0.09 | 1.64 | 0.45 | 0.53 | 1.45 | -0.03 | 0.38 |
| KF94C4 | 1.94 | 1.55 | 0.68 | 3.92 | 0.89 | 0.62 | 1.69 | 0.71 | 0.22 | 1.62 | 1.12 | 0.22 |
| KHEFJ7 | 1.71 | 0.02 | 0.22 | 3.63 | 0.04 | 0.15 | 1.71 | 0.82 | 0.13 | 1.52 | 0.43 | 0.32 |
| LLQW29 | 1.64 | -0.44 | 0.71 | 3.42 | -0.56 | 0.72 | 1.51 | -0.33 | 0.27 | 1.40 | -0.35 | 0.71 |
| LRY7H4 | 1.53 | -1.10 | 0.57 | 3.21 | -1.19 | 0.22 | 1.45 | -0.65 | 0.20 | 1.25 | -1.35 | 0.42 |
| M6MR24 | 1.62 | -0.56 | 2.33 | 3.45 | -0.48 | 1.60 | 1.50 | -0.40 | 1.18 | 1.36 | -0.61 | 1.25 |
| MM3234 | 1.93 | 1.49 | 0.81 | 4.00 | 1.13 | | 1.80 | 1.34 | 2.25 | 1.77 | 2.05 | 3.34 |
| N79TKW | 1.90 | 1.25 | 1.07 | 3.10 | -1.53 | 0.04 | 1.28 | -1.64 | 0.22 | 1.37 | -0.58 | 0.49 |
| P3TKWW | 1.80 | 0.65 | 0.09 | 3.84 | 0.66 | 0.08 | 1.61 | 0.26 | 0.22 | 1.61 | 1.03 | 0.05 |
| PTLTHV | 1.73 | 0.15 | 0.29 | 3.58 | -0.11 | 0.11 | 1.55 | -0.10 | 0.34 | 1.46 | 0.01 | 0.33 |
| QZA8GY | 1.90 | 1.27 | 0.00 | 3.79 | 0.50 | 0.40 | 1.70 | 0.76 | 0.22 | 1.60 | 0.93 | 0.19 |
| TFKQ8P | 1.74 | 0.26 | 0.78 | 3.50 | -0.34 | 0.70 | 1.56 | -0.04 | 0.69 | 1.49 | 0.23 | 0.74 |
| TQJCHV | 1.55 | -1.02 | 0.46 | 3.25 | -1.07 | 0.48 | 1.50 | -0.38 | 0.22 | 1.37 | -0.54 | 0.88 |
| TZUE4V | 1.70 | 0.00 | 0.35 | 3.40 | -0.62 | 0.42 | 1.51 | -0.34 | 0.37 | 1.38 | -0.52 | 1.62 |
| UNBDWZ | 1.62 | -0.56 | 0.29 | 3.96 | 1.01 | 0.39 | 1.78 | 1.20 | 0.52 | 1.45 | -0.04 | 0.16 |
| VCB32Y | 1.64 | -0.39 | 0.64 | 3.19 | -1.25 | 0.62 | 1.57 | 0.00 | 1.62 | 1.35 | -0.67 | 1.53 |
| WHHYBQ | 1.70 | -0.04 | 0.08 | 3.37 | -0.71 | 0.21 | 1.56 | -0.06 | 0.30 | 1.44 | -0.08 | 0.09 |
| XKUFTU | 1.74 | 0.23 | 0.09 | 3.69 | 0.21 | 0.29 | 1.00 | -3.23X | 7.50 | 1.49 | 0.23 | 0.20 |
| XR3PAN | 2.03 | 2.14 | 0.44 | 4.07 | 1.33 | 1.24 | 1.82 | 1.47 | 0.66 | 1.67 | 1.38 | 0.72 |
| Y2X9YT | 1.67 | -0.22 | 0.28 | 3.34 | -0.80 | 0.40 | 1.42 | -0.84 | 0.34 | 1.34 | -0.74 | 0.19 |
| YL6GER | 1.68 | -0.13 | 0.33 | 3.41 | -0.60 | 0.62 | 1.51 | -0.34 | 0.20 | 1.44 | -0.08 | 1.04 |
| ZTKTVQ | 1.65 | -0.35 | 0.33 | 3.47 | -0.42 | 0.55 | 1.47 | -0.53 | 0.26 | 1.38 | -0.47 | 0.47 |

**Ca (SubTestCode 214) in the Wet Digestion Property Groups**                    **Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 1.70 | 3.62 | 1.57 | 1.46 |
| Median Abs Dev | 0.09 | 0.22 | 0.11 | 0.08 |
| Avg Within Lab SD | 0.07 | 0.14 | 0.08 | 0.06 |
| Labs Included | 47 | 47 | 47 | 47 |
| Labs Reporting | 48 | 48 | 48 | 48 |

**Mg (SubTestCode 215) in the Wet Digestion Property Groups**                                    **Data units: Percent**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 0.44 | 1.27 | 0.73 | 0.34 | 1.05 | 1.67 | 0.41 | 0.95 | 1.43 | 0.31 | 1.64 | 2.19 |
| 2W2DFK | 0.39 | -0.15 | 0.73 | 0.31 | -0.32 | 0.46 | 0.36 | -0.26 | 1.14 | 0.28 | 0.28 | 0.00 |
| 3U6BYV | 0.43 | 1.08 | 3.28 | 0.36 | 1.55 | 1.67 | 0.45 | 2.15 | 2.37 | 0.37 | 3.82**X** | 3.70 |
| 3UUGAM | 0.40 | 0.00 | 0.11 | 0.32 | 0.14 | 0.08 | 0.37 | 0.11 | 0.17 | 0.28 | 0.18 | 0.24 |
| 3WWADT | 0.40 | 0.00 | 1.38 | 0.29 | -0.89 | 0.23 | 0.35 | -0.62 | 0.43 | 0.27 | -0.09 | 0.46 |
| 44YNNM | 0.38 | -0.36 | 1.04 | 0.31 | -0.34 | 2.34 | 0.33 | -1.01 | 3.98 | 0.27 | 0.00 | 0.84 |
| 6ATHQD | 0.38 | -0.34 | 0.42 | 0.30 | -0.45 | 2.02 | 0.34 | -0.88 | 1.65 | 0.26 | -0.68 | 0.61 |
| 72EX2L | 0.34 | -1.56 | 0.73 | 0.29 | -0.82 | 0.46 | 0.31 | -1.69 | 0.38 | 0.25 | -0.81 | 0.61 |
| 84H2GF | 0.38 | -0.47 | 0.88 | 0.31 | -0.14 | 1.01 | 0.36 | -0.20 | 0.66 | 0.29 | 0.60 | 1.17 |
| 86VF6P | 0.41 | 0.49 | 0.17 | 0.32 | 0.14 | 0.10 | 0.38 | 0.17 | 0.11 | 0.28 | 0.10 | 0.24 |
| 8Q9F3N | 0.39 | -0.05 | 1.11 | 0.31 | -0.20 | 0.80 | 0.36 | -0.26 | 0.66 | 0.27 | 0.00 | 0.61 |
| 9D3RFD | 0.41 | 0.53 | 0.62 | 0.32 | 0.15 | 0.57 | 0.38 | 0.31 | 0.55 | 0.28 | 0.25 | 0.84 |
| BVW8T9 | 0.37 | -0.85 | 0.29 | 0.29 | -1.12 | 0.27 | 0.33 | -1.06 | 0.18 | 0.26 | -0.73 | 0.58 |
| CD7DRH | 0.40 | 0.17 | 1.17 | 0.33 | 0.36 | 0.16 | 0.38 | 0.18 | 0.33 | 0.29 | 0.49 | 0.12 |
| D7MPC7 | 0.46 | 1.87 | 1.22 | 0.35 | 1.22 | 0.77 | 0.44 | 1.92 | 0.98 | 0.34 | 2.87 | 1.73 |
| DF9V4J | 0.35 | -1.38 | 1.83 | 0.27 | -1.82 | 1.23 | 0.32 | -1.42 | 1.52 | 0.24 | -1.36 | 1.05 |
| DPJXPJ | 0.42 | 0.64 | 1.79 | 0.35 | 1.43 | 3.32 | 0.39 | 0.46 | 0.70 | 0.29 | 0.58 | 1.12 |
| EN39TB | 0.45 | 1.67 | 0.69 | 0.35 | 1.31 | 0.06 | 0.43 | 1.48 | 0.31 | 0.31 | 1.34 | 0.48 |
| EPDZY7 | 0.41 | 0.45 | 1.02 | 0.35 | 1.15 | 2.33 | 0.42 | 1.44 | 0.89 | 0.13 | -6.02**X** | 0.21 |
| F673ZB | 0.38 | -0.34 | 0.42 | 0.31 | -0.35 | 0.43 | 0.37 | -0.04 | 0.20 | 0.26 | -0.40 | 0.61 |
| FEB6BA | 0.40 | 0.16 | 0.86 | 0.32 | 0.30 | 0.58 | 0.38 | 0.21 | 0.31 | 0.28 | 0.22 | 0.64 |
| FZPP8A | 0.39 | -0.04 | 0.56 | 0.30 | -0.39 | 0.66 | 0.35 | -0.43 | 0.93 | 0.27 | -0.25 | 0.61 |
| GRFTQA | 0.38 | -0.34 | 0.00 | 0.30 | -0.57 | 0.00 | 0.36 | -0.34 | 0.00 | 0.26 | -0.54 | 0.00 |
| GZQVCB | 0.40 | 0.04 | 0.42 | 0.32 | 0.17 | 0.00 | 0.41 | 1.08 | 0.00 | 0.26 | -0.68 | 0.61 |
| HH9DJ3 | 0.44 | 1.24 | 1.47 | 0.34 | 0.84 | 1.11 | 0.39 | 0.42 | 1.18 | 0.29 | 0.82 | 1.37 |
| JK7EW4 | 0.41 | 0.42 | 1.26 | 0.33 | 0.55 | 0.80 | 0.38 | 0.19 | 0.76 | 0.30 | 0.96 | 1.61 |

**Mg (SubTestCode 215) in the Wet Digestion Property Groups**     **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQCYVA | 0.41 | 0.54 | 1.24 | 0.33 | 0.47 | 0.21 | 0.38 | 0.26 | 0.78 | 0.28 | 0.24 | 0.82 |
| KF94C4 | 0.41 | 0.43 | 0.58 | 0.30 | -0.48 | 0.51 | 0.36 | -0.14 | 0.35 | 0.27 | -0.03 | 0.24 |
| KHEFJ7 | 0.40 | 0.04 | 0.42 | 0.32 | 0.05 | 0.46 | 0.38 | 0.37 | 0.38 | 0.28 | 0.28 | 1.05 |
| LLQW29 | 0.36 | -0.91 | 0.40 | 0.30 | -0.58 | 0.62 | 0.35 | -0.42 | 0.10 | 0.25 | -0.87 | 0.75 |
| LRY7H4 | 0.36 | -1.00 | 0.73 | 0.29 | -0.82 | 1.23 | 0.35 | -0.53 | 0.66 | 0.25 | -0.95 | 1.05 |
| M6MR24 | 0.37 | -0.71 | 2.63 | 0.31 | -0.20 | 1.39 | 0.35 | -0.53 | 1.74 | 0.25 | -0.81 | 1.61 |
| MM3234 | 0.44 | 1.37 | 0.42 | 0.36 | 1.55 | 0.46 | 0.41 | 0.99 | 0.76 | 0.30 | 1.23 | 0.61 |
| N79TKW | 0.45 | 1.55 | 0.00 | 0.32 | 0.30 | 0.93 | 0.32 | -1.33 | 0.00 | 0.27 | -0.13 | 1.82 |
| P3TKWW | 0.42 | 0.67 | 0.08 | 0.32 | 0.31 | 0.05 | 0.38 | 0.17 | 0.15 | 0.30 | 1.12 | 0.07 |
| PTLTHV | 0.39 | -0.15 | 0.00 | 0.31 | -0.32 | 0.46 | 0.35 | -0.53 | 0.66 | 0.28 | 0.14 | 0.61 |
| QZA8GY | 0.43 | 1.04 | 0.13 | 0.33 | 0.41 | 0.40 | 0.39 | 0.66 | 0.27 | 0.30 | 1.01 | 0.32 |
| TFKQ8P | 0.39 | -0.05 | 0.84 | 0.30 | -0.57 | 0.80 | 0.36 | -0.35 | 1.00 | 0.27 | -0.13 | 1.05 |
| TQJCHV | 0.39 | -0.05 | 0.84 | 0.32 | 0.17 | 0.80 | 0.37 | 0.10 | 0.38 | 0.29 | 0.84 | 0.64 |
| TZUE4V | 0.41 | 0.33 | 0.49 | 0.31 | -0.05 | 0.29 | 0.37 | -0.12 | 0.40 | 0.27 | -0.27 | 2.71 |
| UNBDWZ | 0.35 | -1.28 | 0.73 | 0.32 | 0.17 | 0.00 | 0.37 | 0.10 | 0.38 | 0.26 | -0.54 | 1.82 |
| VCB32Y | 0.44 | 1.19 | 0.80 | 0.34 | 0.81 | 0.56 | 0.42 | 1.27 | 1.58 | 0.29 | 0.60 | 1.05 |
| WHHYBQ | 0.35 | -1.28 | 0.00 | 0.27 | -1.70 | 0.00 | 0.32 | -1.33 | 0.66 | 0.24 | -1.36 | 0.00 |
| XKUFTU | 0.38 | -0.31 | 0.22 | 0.30 | -0.54 | 0.24 | 0.37 | 0.04 | 0.14 | 0.26 | -0.60 | 0.26 |
| XR3PAN | 0.46 | 1.80 | 0.52 | 0.38 | 2.25 | 1.03 | 0.42 | 1.44 | 0.78 | 0.30 | 1.17 | 0.89 |
| Y2X9YT | 0.37 | -0.71 | 0.00 | 0.28 | -1.32 | 0.00 | 0.32 | -1.33 | 0.00 | 0.23 | -1.77 | 0.00 |
| YL6GER | 0.37 | -0.62 | 0.84 | 0.30 | -0.57 | 0.00 | 0.35 | -0.44 | 0.76 | 0.26 | -0.40 | 0.61 |
| ZTKTVQ | 0.38 | -0.42 | 0.33 | 0.29 | -0.95 | 0.44 | 0.34 | -0.70 | 0.30 | 0.26 | -0.66 | 0.48 |

**Mg (SubTestCode 215) in the Wet Digestion Property Groups**                    **Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.40 | 0.32 | 0.37 | 0.27 |
| Median Abs Dev | 0.02 | 0.01 | 0.02 | 0.01 |
| Avg Within Lab SD | 0.01 | 0.01 | 0.02 | 0.01 |
| Labs Included | 48 | 48 | 48 | 46 |
| Labs Reporting | 48 | 48 | 48 | 48 |

**S (SubTestCode 216) in the Wet Digestion Property Groups**

Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.63 | 0.96 | 0.79 | 0.29 | 0.98 | 0.96 | 0.18 | 0.47 | 0.33 | 0.65 | 0.80 | 1.47 |
| 2W2DFK | 0.55 | -0.40 | 0.60 | 0.27 | 0.50 | 1.73 | 0.17 | -0.21 | 0.91 | 0.58 | -0.24 | 0.00 |
| 3U6BYV | 0.38 | -3.22X | 0.45 | 0.21 | -1.69 | 1.73 | 0.16 | -0.69 | 0.91 | 0.60 | 0.10 | 2.09 |
| 3UUGAM | 0.56 | -0.28 | 0.15 | 0.27 | 0.47 | 0.17 | 0.18 | 0.35 | 0.05 | 0.58 | -0.23 | 0.08 |
| 3WWADT | 0.58 | 0.08 | 0.71 | 0.23 | -1.04 | 1.04 | 0.16 | -0.66 | 0.64 | 0.62 | 0.28 | 0.72 |
| 44YNNM | 0.53 | -0.69 | 0.79 | 0.23 | -1.07 | 2.48 | 0.15 | -1.06 | 2.76 | 0.56 | -0.51 | 0.27 |
| 6ATHQD | 0.53 | -0.74 | 1.19 | 0.47 | 7.54X | 2.67 | 0.28 | 4.95X | 3.20 | 0.51 | -1.25 | 0.35 |
| 72EX2L | 0.56 | -0.23 | 0.30 | 0.31 | 1.83 | 0.00 | 0.18 | 0.44 | 0.53 | 0.61 | 0.20 | 0.00 |
| 84H2GF | 0.68 | 1.87 | 5.36 | 0.43 | 6.20X | 16.57 | 0.25 | 3.50X | 6.60 | 0.78 | 2.61X | 6.12 |
| 86VF6P | 0.63 | 1.04 | 0.16 | 0.27 | 0.40 | 0.19 | 0.19 | 0.68 | 0.27 | 0.64 | 0.64 | 0.18 |
| 8Q9F3N | 0.54 | -0.51 | 0.17 | 0.26 | 0.13 | 1.92 | 0.16 | -0.53 | 2.29 | 0.57 | -0.34 | 1.40 |
| 9D3RFD | 0.58 | 0.16 | 0.23 | 0.26 | -0.12 | 0.38 | 0.18 | 0.40 | 0.14 | 0.61 | 0.14 | 0.21 |
| BVW8T9 | 0.53 | -0.78 | 0.44 | 0.26 | 0.19 | 2.87 | 0.14 | -1.56 | 4.04 | 0.56 | -0.59 | 4.39 |
| D7MPC7 | 0.65 | 1.23 | 0.56 | 0.29 | 1.24 | 0.34 | 0.21 | 1.54 | 0.54 | 0.74 | 2.14 | 1.52 |
| DF9V4J | 0.53 | -0.68 | 1.13 | 0.23 | -1.08 | 0.83 | 0.15 | -1.02 | 1.05 | 0.56 | -0.53 | 0.70 |
| DFEY7A | 0.57 | 0.00 | 0.45 | 0.25 | -0.35 | | 0.17 | -0.21 | 0.00 | 0.63 | 0.44 | 0.40 |
| DPJXPJ | 0.67 | 1.61 | 0.82 | 0.36 | 3.64X | 2.70 | 0.23 | 2.89 | 0.39 | 0.73 | 1.95 | 1.09 |
| EN39TB | 0.53 | -0.68 | 0.27 | 0.28 | 0.62 | 0.15 | 0.18 | 0.49 | 0.10 | 0.55 | -0.67 | 0.33 |
| EPDZY7 | 0.55 | -0.46 | 0.80 | 0.28 | 0.63 | 0.72 | 0.19 | 0.60 | 0.92 | 0.26 | -4.88X | 0.75 |
| F673ZB | 0.55 | -0.40 | 0.30 | 0.26 | 0.13 | 0.48 | 0.19 | 0.76 | 0.91 | 0.57 | -0.34 | 0.20 |
| FEB6BA | 0.64 | 1.18 | 1.04 | 0.29 | 0.94 | 0.60 | 0.20 | 1.43 | 1.01 | 0.67 | 1.04 | 0.54 |
| FZPP8A | 0.55 | -0.40 | 0.57 | 0.25 | -0.41 | 0.71 | 0.18 | 0.05 | 1.27 | 0.58 | -0.21 | 0.79 |
| GRFTQA | 0.57 | -0.01 | 0.00 | 0.25 | -0.35 | | 0.17 | -0.06 | 0.00 | 0.59 | -0.05 | 0.00 |
| GZQVCB | 0.61 | 0.68 | 0.17 | 0.26 | 0.01 | 0.83 | 0.18 | 0.44 | 0.53 | 0.62 | 0.29 | 0.20 |
| HH9DJ3 | 0.60 | 0.48 | 1.19 | 0.29 | 1.17 | 1.83 | 0.19 | 0.69 | 1.11 | 0.64 | 0.66 | 1.11 |
| JK7EW4 | 0.55 | -0.34 | 0.75 | 0.24 | -0.72 | 0.00 | 0.16 | -0.69 | 0.00 | 0.60 | 0.10 | 1.06 |

**S (SubTestCode 216) in the Wet Digestion Property Groups**  Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|
| JQCYVA | 0.58 | 0.09 | 0.61 | 0.25 | -0.20 | 0.19 | 0.16 | -0.56 | 0.12 | 0.58 | -0.30 | 0.14 |
| KF94C4 | 0.60 | 0.38 | 0.26 | 0.25 | -0.43 | 0.47 | 0.17 | -0.11 | 0.11 | 0.61 | 0.20 | 0.19 |
| KHEFJ7 | 0.52 | -0.96 | 0.45 | 0.27 | 0.50 | 0.96 | 0.18 | 0.44 | 1.05 | 0.53 | -0.91 | 0.20 |
| LLQW29 | 0.61 | 0.58 | 0.56 | 0.28 | 0.90 | 0.65 | 0.20 | 1.13 | 0.26 | 0.66 | 0.96 | 0.77 |
| LRY7H4 | 0.51 | -1.07 | 0.30 | 0.23 | -1.08 | 0.83 | 0.16 | -0.69 | 0.91 | 0.52 | -1.06 | 0.53 |
| M6MR24 | 0.50 | -1.24 | 1.66 | 0.22 | -1.44 | 1.44 | 0.13 | -1.98 | 0.53 | 0.51 | -1.25 | 1.51 |
| MM3234 | 0.63 | 0.96 | 0.52 | 0.24 | -0.72 | 0.00 | 0.17 | -0.37 | 0.53 | 0.65 | 0.77 | 0.70 |
| N79TKW | 0.61 | 0.62 | 0.60 | 0.23 | -1.20 | 0.48 | 0.15 | -1.18 | 0.00 | 0.55 | -0.72 | 0.72 |
| P3TKWW | 0.56 | -0.14 | 0.07 | 0.26 | 0.12 | 0.05 | 0.18 | 0.06 | 0.11 | 0.63 | 0.53 | 0.06 |
| PTLTHV | 0.55 | -0.45 | 0.17 | 0.24 | -0.72 | 0.00 | 0.17 | -0.21 | 0.00 | 0.56 | -0.53 | 0.00 |
| QZA8GY | 0.62 | 0.85 | 0.17 | 0.26 | 0.13 | 0.48 | 0.18 | 0.27 | 0.00 | 0.66 | 0.87 | 0.53 |
| TFKQ8P | 0.61 | 0.57 | 0.45 | 0.25 | -0.23 | 0.48 | 0.17 | -0.05 | 0.53 | 0.63 | 0.53 | 0.53 |
| TQJCHV | 0.38 | -3.22X | 0.34 | 0.17 | -3.39X | 0.48 | 0.09 | -4.24X | 0.53 | 0.54 | -0.82 | 0.35 |
| TZUE4V | 0.58 | 0.07 | 0.61 | 0.24 | -0.57 | 0.50 | 0.17 | -0.34 | 0.14 | 0.57 | -0.38 | 1.32 |
| UNBDWZ | 0.49 | -1.36 | 0.17 | 0.27 | 0.38 | 1.44 | 0.17 | -0.05 | 0.53 | 0.51 | -1.20 | 0.53 |
| VCB32Y | 0.21 | -6.21X | 0.43 | 0.23 | -1.15 | 0.63 | 0.26 | 4.03X | 0.55 | 0.48 | -1.62 | 1.39 |
| WHHYBQ | 0.60 | 0.45 | 0.00 | 0.27 | 0.38 | 0.00 | 0.18 | 0.11 | 0.53 | 0.62 | 0.34 | 0.00 |
| XKUFTU | 0.58 | 0.10 | 0.11 | 0.26 | -0.01 | 0.17 | 0.18 | 0.27 | 0.09 | 0.60 | 0.05 | 0.31 |
| XR3PAN | 0.67 | 1.64 | 0.30 | 0.30 | 1.47 | 0.95 | 0.21 | 1.58 | 0.53 | 0.66 | 0.96 | 0.59 |
| Y2X9YT | 0.47 | -1.75 | 0.00 | 0.23 | -1.20 | 0.48 | 0.14 | -1.66 | 0.00 | 0.45 | -2.07 | 0.20 |
| YL6GER | 0.62 | 0.85 | 0.69 | 0.27 | 0.25 | 0.48 | 0.18 | 0.44 | 1.05 | 0.66 | 0.97 | 0.53 |
| ZTKTVQ | 0.55 | -0.35 | 0.10 | 0.25 | -0.52 | 0.38 | 0.17 | -0.25 | 0.06 | 0.58 | -0.25 | 0.41 |

**S (SubTestCode 216) in the Wet Digestion Property Groups**

**Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.57 | 0.26 | 0.17 | 0.60 |
| Median Abs Dev | 0.03 | 0.01 | 0.01 | 0.04 |
| Avg Within Lab SD | 0.03 | 0.01 | 0.01 | 0.03 |
| Labs Included | 45 | 44 | 44 | 46 |
| Labs Reporting | 48 | 48 | 48 | 48 |

**Na (SubTestCode 217) in the Wet Digestion Property Groups**  **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.030 | -0.62 | 0.00 | 0.005 | -0.25 | 0.41 | 0.030 | -0.03 | 0.92 | 0.407 | 0.49 | 0.17 |
| 2W2DFK | 0.037 | 0.77 | 1.94 | 0.010 | 0.74 | 0.00 | 0.030 | 0.07 | 0.00 | 0.400 | 0.35 | 0.00 |
| 3U6BYV | 0.057 | 4.93X | 3.88 | 0.010 | 0.74 | 0.00 | 0.043 | 3.69X | 2.10 | 0.550 | 3.37X | 3.65 |
| 3UUGAM | 0.027 | -1.29 | 0.02 | 0.001 | -0.93 | 0.00 | 0.024 | -1.68 | 0.14 | 0.372 | -0.22 | 0.09 |
| 3WWADT | 0.030 | -0.55 | 0.97 | 0.003 | -0.56 | 0.72 | 0.025 | -1.39 | 0.76 | 0.382 | -0.02 | 0.24 |
| 44YNNM | 0.033 | 0.00 | 0.75 | 0.008 | 0.38 | 2.28 | 0.027 | -0.79 | 1.95 | 0.350 | -0.65 | 0.29 |
| 72EX2L | 0.030 | -0.62 | 0.00 | 0.010 | 0.74 | 0.00 | 0.020 | -2.66 | 0.00 | 0.280 | -2.06 | 0.00 |
| 84H2GF | 0.040 | 1.46 | 0.34 | 0.010 | 0.74 | 0.72 | 0.031 | 0.25 | 0.56 | 0.376 | -0.12 | 0.98 |
| 86VF6P | 0.033 | 0.01 | 0.08 | 0.003 | -0.47 | 0.04 | 0.030 | 0.07 | 0.06 | 0.392 | 0.18 | 0.11 |
| 8Q9F3N | 0.037 | 0.77 | 3.88 | 0.013 | 1.37 | 4.14 | 0.030 | 0.07 | 3.64 | 0.357 | -0.52 | 1.13 |
| 9D3RFD | 0.002 | -6.43X | 0.58 | 0.001 | -0.93 | 0.00 | 0.001 | -7.83X | 0.00 | 0.417 | 0.70 | 0.17 |
| BVW8T9 | 0.028 | -1.09 | 0.49 | 0.003 | -0.52 | 0.54 | 0.026 | -1.07 | 0.37 | 0.347 | -0.71 | 0.22 |
| CD7DRH | 0.032 | -0.26 | 0.46 | 0.003 | -0.55 | 0.06 | 0.028 | -0.46 | 0.09 | 0.398 | 0.31 | 0.46 |
| D7MPC7 | 0.040 | 1.45 | 1.70 | 0.003 | -0.56 | 1.96 | 0.036 | 1.61 | 2.98 | 0.483 | 2.02 | 0.77 |
| DF9V4J | 0.030 | -0.62 | 0.00 | 0.020 | 2.61 | 0.00 | 0.030 | 0.07 | 0.00 | 0.350 | -0.65 | 0.30 |
| DPJXPJ | 0.044 | 2.22 | 0.70 | 0.008 | 0.37 | 1.90 | 0.032 | 0.70 | 1.51 | 0.393 | 0.21 | 0.39 |
| EN39TB | 0.035 | 0.40 | 0.31 | 0.005 | -0.24 | 0.02 | 0.030 | -0.02 | 0.12 | 0.389 | 0.13 | 0.05 |
| F673ZB | 0.040 | 1.46 | 0.00 | 0.010 | 0.74 | 0.00 | 0.043 | 3.69 | 2.10 | 0.390 | 0.15 | 0.30 |
| FEB6BA | 0.030 | -0.68 | 0.35 | 0.003 | -0.61 | 0.11 | 0.028 | -0.57 | 0.21 | 0.400 | 0.35 | 0.23 |
| FZPP8A | 0.029 | -0.88 | 0.16 | 0.003 | -0.58 | 0.11 | 0.025 | -1.40 | 0.54 | 0.326 | -1.15 | 0.52 |
| GRFTQA | 0.031 | -0.35 | 0.00 | 0.016 | 1.81 | 0.00 | 0.027 | -0.67 | 0.00 | 0.375 | -0.15 | |
| GZQVCB | 0.030 | -0.62 | 0.00 | 0.010 | 0.74 | 0.00 | 0.030 | 0.07 | 0.00 | 0.413 | 0.62 | 0.17 |
| JK7EW4 | 0.033 | 0.08 | 1.94 | 0.010 | 0.74 | 0.00 | 0.030 | 0.07 | 0.00 | 0.383 | 0.02 | 0.62 |
| JQCYVA | 0.047 | 2.91 | 2.15 | 0.009 | 0.48 | 1.43 | 0.031 | 0.44 | 0.31 | 0.416 | 0.68 | 0.28 |
| KF94C4 | 0.029 | -0.91 | 0.12 | 0.004 | -0.40 | 0.13 | 0.027 | -0.64 | 0.22 | 0.323 | -1.20 | 0.09 |
| LLQW29 | 0.032 | -0.22 | 0.29 | 0.008 | 0.28 | 0.13 | 0.030 | 0.08 | 0.18 | 0.344 | -0.78 | 0.28 |

## Na (SubTestCode 217) in the Wet Digestion Property Groups

Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LRY7H4 | 0.036 | 0.63 | 0.67 | 0.013 | 1.24 | 1.49 | 0.035 | 1.34 | 1.28 | 0.335 | -0.96 | 0.33 |
| M6MR24 | 0.033 | 0.08 | 1.94 | 0.010 | 0.74 | 0.00 | 0.030 | 0.07 | 0.00 | 0.337 | -0.92 | 0.62 |
| MM3234 | 0.034 | 0.15 | 0.51 | 0.007 | 0.26 | 0.56 | 0.030 | -0.03 | 0.21 | 0.453 | 1.43 | 1.05 |
| N79TKW | 0.034 | 0.29 | 0.19 | 0.004 | -0.37 | 0.00 | 0.022 | -2.02 | 0.21 | 0.350 | -0.65 | 0.20 |
| P3TKWW | 0.034 | 0.31 | 0.20 | 0.002 | -0.79 | 0.44 | 0.029 | -0.12 | 0.22 | 0.439 | 1.14 | 0.02 |
| QZA8GY | 0.036 | 0.65 | 0.27 | | | | 0.032 | 0.55 | 0.39 | 0.413 | 0.62 | 0.16 |
| TQJCHV | 0.032 | -0.20 | 0.89 | 0.042 | 6.76X | 42.05 | 0.030 | 0.07 | 0.96 | 0.331 | -1.04 | 0.35 |
| TZUE4V | 0.034 | 0.22 | 0.58 | | | | 0.029 | -0.21 | 0.73 | 0.363 | -0.39 | 0.78 |
| UNBDWZ | 0.030 | -0.62 | 0.00 | 0.010 | 0.74 | 0.00 | 0.030 | 0.07 | 0.00 | 0.247 | -2.73 | 5.64 |
| WHHYBQ | 0.034 | 0.15 | 0.19 | 0.006 | 0.00 | 0.72 | 0.031 | 0.25 | 0.42 | 0.391 | 0.16 | 0.05 |
| XKUFTU | 0.031 | -0.41 | 0.34 | | | | 0.027 | -0.75 | 0.36 | 0.388 | 0.11 | 0.09 |
| XR3PAN | 0.035 | 0.38 | 0.21 | 0.004 | -0.46 | 0.44 | 0.030 | 0.00 | 0.39 | 0.405 | 0.45 | 0.30 |
| Y2X9YT | 0.029 | -0.82 | 0.00 | 0.002 | -0.74 | 0.00 | 0.024 | -1.48 | 0.21 | 0.328 | -1.10 | 0.09 |
| YL6GER | 0.030 | -0.62 | 0.00 | 0.003 | -0.50 | 0.41 | 0.030 | 0.07 | 0.00 | 0.387 | 0.08 | 0.35 |
| ZTKTVQ | 0.030 | -0.57 | 0.10 | 0.006 | -0.02 | 0.10 | 0.027 | -0.79 | 0.39 | 0.345 | -0.75 | 0.05 |

## Na (SubTestCode 217) in the Wet Digestion Property Groups

Data units: Percent

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.033 | 0.006 | 0.030 | 0.38 |
| Median Abs Dev | 0.003 | 0.003 | 0.002 | 0.03 |
| Avg Within Lab SD | 0.003 | 0.001 | 0.003 | 0.03 |
| Labs Included | 39 | 37 | 39 | 40 |
| Labs Reporting | 41 | 38 | 41 | 41 |

**Al (SubTestCode 218) in the Wet Digestion Property Groups**      **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 63.7 | -0.39 | 0.18 | 46.7 | -0.42 | 0.08 | 43.0 | -0.21 | 0.30 | 101.3 | -0.35 | 0.29 |
| 3U6BYV | 136.0 | 1.28 | 1.29 | 108.1 | 1.62 | 0.99 | 76.7 | 1.35 | 0.50 | 249.3 | 2.00 | 0.49 |
| 3UUGAM | 88.7 | 0.19 | 0.04 | 60.8 | 0.05 | 0.18 | 60.0 | 0.58 | 0.10 | 152.2 | 0.45 | 0.17 |
| 86VF6P | 71.3 | -0.21 | 0.16 | 55.2 | -0.14 | 0.28 | 57.5 | 0.46 | 0.48 | 119.4 | -0.07 | 0.36 |
| 8Q9F3N | 155.7 | 1.74 | 1.91 | 59.4 | 0.00 | 1.35 | 45.7 | -0.08 | 0.40 | 117.7 | -0.10 | 0.93 |
| BVW8T9 | 50.3 | -0.70 | 0.09 | 27.6 | -1.06 | 0.12 | 33.1 | -0.66 | 0.14 | 89.5 | -0.54 | 0.23 |
| CD7DRH | 115.0 | 0.80 | 0.18 | 90.1 | 1.02 | 0.39 | 74.3 | 1.24 | 0.16 | 207.3 | 1.33 | 0.57 |
| D7MPC7 | 139.6 | 1.37 | 1.16 | 91.0 | 1.05 | 2.56 | 74.1 | 1.23 | 4.67 | 263.8 | 2.23 | 2.68 |
| DF9V4J | 125.7 | 1.05 | 0.13 | 84.0 | 0.82 | 0.14 | 77.7 | 1.39 | 0.29 | 229.7 | 1.68 | 0.26 |
| DPJXPJ | 103.9 | 0.54 | 0.29 | 85.1 | 0.86 | 0.96 | 65.8 | 0.84 | 0.57 | 193.9 | 1.12 | 2.99 |
| EN39TB | 112.8 | 0.75 | 0.14 | 87.2 | 0.93 | 0.36 | 70.8 | 1.08 | 0.09 | 194.5 | 1.13 | 0.18 |
| F673ZB | 38.0 | -0.99 | 0.05 | 24.3 | -1.17 | 0.21 | 30.0 | -0.81 | 0.11 | 71.0 | -0.84 | 0.11 |
| FEB6BA | 64.6 | -0.37 | 0.10 | 51.0 | -0.28 | 0.43 | 47.1 | -0.02 | 0.28 | 113.3 | -0.16 | 0.35 |
| FZPP8A | 59.6 | -0.49 | 0.13 | 43.5 | -0.53 | 0.31 | 43.9 | -0.17 | 0.12 | 100.5 | -0.37 | 0.20 |
| GRFTQA | 79.8 | -0.02 | 0.00 | 80.3 | 0.70 | 0.00 | 59.0 | 0.53 | | 112.3 | -0.18 | 0.00 |
| GZQVCB | 51.3 | -0.68 | 0.18 | 30.0 | -0.98 | 0.37 | 32.7 | -0.68 | 0.07 | 76.0 | -0.76 | 1.21 |
| HH9DJ3 | 112.4 | 0.74 | 0.05 | 84.0 | 0.82 | 0.17 | 61.9 | 0.66 | 0.02 | 181.1 | 0.91 | 0.24 |
| JK7EW4 | 109.3 | 0.67 | 0.69 | 88.9 | 0.98 | 1.82 | 76.2 | 1.32 | 1.98 | 133.4 | 0.15 | 1.05 |
| KF94C4 | 104.0 | 0.54 | 0.49 | 68.2 | 0.29 | 0.43 | 51.7 | 0.20 | 0.14 | 151.5 | 0.44 | 1.56 |
| LLQW29 | 168.4 | 2.04 | 4.53 | 37.8 | -0.72 | 3.69 | 34.7 | -0.59 | 0.79 | 79.0 | -0.71 | 0.85 |
| M6MR24 | 41.0 | -0.92 | 0.39 | 31.3 | -0.94 | 0.08 | 33.0 | -0.67 | 0.11 | 67.0 | -0.90 | 0.90 |
| P3TKWW | 105.9 | 0.59 | 0.24 | 81.0 | 0.72 | 0.39 | 55.5 | 0.37 | 0.14 | 174.1 | 0.80 | 0.44 |
| QZA8GY | 70.4 | -0.23 | 0.02 | 41.1 | -0.61 | 0.12 | 41.1 | -0.29 | 0.01 | 118.3 | -0.08 | 0.24 |
| TQJCHV | 60.1 | -0.47 | 0.05 | 52.6 | -0.23 | 0.21 | 34.2 | -0.61 | 0.10 | 123.9 | 0.00 | 0.33 |
| WHHYBQ | 66.7 | -0.32 | 0.08 | 39.0 | -0.68 | 0.14 | 25.3 | -1.02 | 0.29 | 123.7 | 0.00 | 0.24 |
| XKUFTU | 99.3 | 0.44 | 0.62 | 73.2 | 0.46 | 0.36 | 75.2 | 1.28 | 0.09 | 184.3 | 0.96 | 0.93 |

**Al (SubTestCode 218) in the Wet Digestion Property Groups**      **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y2X9YT | 38.7 | -0.97 | 0.04 | 22.2 | -1.24 | 0.19 | 28.1 | -0.89 | 0.07 | 64.8 | -0.94 | 0.25 |
| YL6GER | 77.0 | -0.08 | 0.03 | 61.5 | 0.07 | 0.21 | 47.5 | 0.00 | 0.30 | 121.0 | -0.04 | 0.80 |
| ZTKTVQ | 80.5 | 0.00 | 0.49 | 54.6 | -0.16 | 0.56 | 40.3 | -0.33 | 0.21 | 142.7 | 0.30 | 1.51 |

**Al (SubTestCode 218) in the Wet Digestion Property Groups**      **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 80.5 | 59.4 | 47.5 | 123.7 |
| Median Abs Dev | 25.3 | 21.6 | 14.4 | 34.2 |
| Avg Within Lab SD | 19.5 | 7.2 | 8.8 | 8.7 |
| Labs Included | 29 | 29 | 29 | 29 |
| Labs Reporting | 29 | 29 | 29 | 29 |

**B (SubTestCode 219) in the Wet Digestion Property Groups**  **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 23.7 | 0.13 | 1.15 | 109.7 | 0.71 | 2.15 | 157.3 | 1.07 | 0.83 | 40.0 | 0.33 | 0.47 |
| 2W2DFK | 20.7 | -0.83 | 0.87 | 94.7 | -0.70 | 1.15 | 127.7 | -0.68 | 0.97 | 38.3 | -0.02 | 1.19 |
| 3U6BYV | 15.6 | -2.44 | 1.29 | 66.0 | -3.40X | 0.49 | 101.8 | -2.21 | 0.50 | 17.0 | -4.47X | 0.63 |
| 3UUGAM | 22.2 | -0.33 | 0.11 | 101.8 | -0.03 | 0.01 | 138.5 | -0.04 | 0.31 | 35.4 | -0.63 | 0.60 |
| 3WWADT | 23.0 | -0.07 | 1.22 | 92.8 | -0.88 | 1.01 | 135.3 | -0.23 | 2.27 | 37.5 | -0.20 | 0.18 |
| 6ATHQD | 22.3 | -0.31 | 0.57 | 99.0 | -0.30 | 1.34 | 130.0 | -0.54 | 1.48 | 34.4 | -0.83 | 0.29 |
| 72EX2L | 15.7 | -2.41X | 0.17 | 2.4 | -9.39X | 0.00 | 17.9 | -7.17X | 0.07 | 16.4 | -4.60X | 0.30 |
| 84H2GF | 26.9 | 1.17 | 0.59 | 96.5 | -0.52 | 2.14 | 131.3 | -0.46 | 1.77 | 46.0 | 1.58 | 2.46 |
| 86VF6P | 23.8 | 0.17 | 0.40 | 109.7 | 0.71 | 0.21 | 150.7 | 0.68 | 0.65 | 38.3 | -0.03 | 0.30 |
| 8Q9F3N | 25.5 | 0.71 | 3.73 | 99.7 | -0.22 | 2.10 | 131.7 | -0.44 | 2.06 | 39.5 | 0.23 | 3.18 |
| 9D3RFD | 21.7 | -0.49 | 0.20 | 106.4 | 0.40 | 0.45 | 146.3 | 0.42 | 0.12 | 37.1 | -0.28 | 0.04 |
| BVW8T9 | 21.0 | -0.71 | 0.79 | 97.1 | -0.47 | 0.24 | 134.5 | -0.28 | 0.67 | 36.0 | -0.50 | 0.57 |
| CD7DRH | 24.3 | 0.32 | 0.46 | 111.3 | 0.87 | 1.56 | 149.7 | 0.62 | 0.63 | 41.7 | 0.67 | 0.40 |
| D7MPC7 | 21.2 | -0.67 | 0.36 | 101.3 | -0.08 | 0.46 | 150.3 | 0.66 | 0.31 | 39.9 | 0.31 | 0.85 |
| DF9V4J | 25.8 | 0.82 | 1.43 | 100.1 | -0.19 | 0.24 | 133.0 | -0.37 | 0.93 | 37.3 | -0.24 | 0.91 |
| DPJXPJ | 23.7 | 0.13 | 1.05 | 120.0 | 1.69 | 1.64 | 161.8 | 1.34 | 1.89 | 40.2 | 0.37 | 0.35 |
| EN39TB | 23.3 | 0.00 | 0.27 | 100.9 | -0.12 | 0.26 | 139.4 | 0.01 | 0.28 | 36.6 | -0.38 | 0.31 |
| EPDZY7 | 22.9 | -0.11 | 1.96 | 104.9 | 0.26 | 1.19 | 151.4 | 0.73 | 1.66 | 19.2 | -4.01X | 2.51 |
| F673ZB | 19.0 | -1.36 | | 84.3 | -1.67 | 0.43 | 115.3 | -1.41 | 0.95 | 31.0 | -1.55 | 0.47 |
| FEB6BA | 25.4 | 0.67 | 0.72 | 116.7 | 1.37 | 0.59 | 165.0 | 1.53 | 1.44 | 42.5 | 0.85 | 0.22 |
| FZPP8A | 28.1 | 1.53 | 1.58 | 118.5 | 1.54 | 1.16 | 160.6 | 1.27 | 1.48 | 45.6 | 1.50 | 0.94 |
| GRFTQA | 23.2 | -0.02 | 0.00 | 104.2 | 0.20 | 0.00 | 144.7 | 0.33 | 0.00 | 38.0 | -0.09 | |
| GZQVCB | 25.7 | 0.77 | 0.43 | 113.0 | 1.03 | 0.28 | 157.3 | 1.07 | 0.63 | 42.0 | 0.74 | |
| HH9DJ3 | 23.4 | 0.03 | 1.65 | 103.2 | 0.11 | 2.36 | 137.6 | -0.09 | 2.09 | 38.5 | 0.02 | 1.16 |
| JK7EW4 | 25.3 | 0.66 | 0.95 | 104.0 | 0.18 | 0.45 | 137.0 | -0.13 | 0.61 | 41.1 | 0.56 | 0.95 |
| JQCYVA | 26.1 | 0.90 | 0.77 | 117.7 | 1.46 | 0.65 | 165.5 | 1.56 | 0.73 | 43.3 | 1.01 | 0.22 |

**B (SubTestCode 219) in the Wet Digestion Property Groups**  **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KF94C4 | 24.4 | 0.37 | 0.17 | 102.1 | 0.00 | 0.60 | 139.2 | 0.00 | 0.40 | 39.3 | 0.19 | 0.15 |
| KHEFJ7 | 22.5 | -0.23 | 0.24 | 98.6 | -0.33 | 0.35 | 145.3 | 0.36 | 0.31 | 37.7 | -0.16 | 0.55 |
| LLQW29 | 17.4 | -1.88 | 0.43 | 96.0 | -0.57 | 1.11 | 132.4 | -0.40 | 0.19 | 31.6 | -1.43 | 0.29 |
| LRY7H4 | 20.5 | -0.88 | 0.45 | 89.4 | -1.20 | 0.21 | 130.0 | -0.54 | 0.74 | 33.5 | -1.03 | 0.28 |
| M6MR24 | 17.2 | -1.92 | 1.36 | 78.3 | -2.24 | 1.32 | 98.6 | -2.40 | 1.70 | 26.9 | -2.41 | 1.05 |
| MM3234 | 22.7 | -0.19 | 0.43 | 95.7 | -0.61 | 0.16 | 130.0 | -0.54 |  | 35.0 | -0.72 | 0.47 |
| N79TKW | 27.0 | 1.18 | 0.57 | 105.1 | 0.28 | 0.34 | 139.1 | 0.00 | 0.10 | 39.6 | 0.24 | 0.30 |
| P3TKWW | 22.5 | -0.24 | 0.46 | 104.5 | 0.22 | 0.30 | 144.5 | 0.32 | 0.45 | 40.1 | 0.35 | 0.29 |
| QZA8GY | 28.1 | 1.54 | 0.33 | 110.0 | 0.74 | 0.49 | 151.7 | 0.74 | 0.24 | 45.4 | 1.44 | 0.30 |
| TFKQ8P | 23.6 | 0.11 | 0.67 | 96.5 | -0.53 | 0.30 | 134.7 | -0.27 | 0.31 | 39.4 | 0.20 | 1.24 |
| TQJCHV | 26.1 | 0.91 | 0.39 | 94.7 | -0.69 | 0.94 | 128.8 | -0.61 | 1.08 | 40.5 | 0.44 | 0.39 |
| TZUE4V | 35.5 | 3.91 X | 1.86 | 116.3 | 1.34 | 1.00 | 153.0 | 0.82 | 0.94 | 48.5 | 2.10 | 3.13 |
| UNBDWZ | 24.3 | 0.34 | 0.43 | 113.0 | 1.03 | 0.57 | 150.7 | 0.68 | 0.12 | 40.7 | 0.47 | 0.27 |
| WHHYBQ | 21.0 | -0.72 |  | 92.7 | -0.89 | 0.16 | 130.0 | -0.54 | 0.36 | 34.0 | -0.92 |  |
| XKUFTU | 21.4 | -0.60 | 0.13 | 100.4 | -0.16 | 0.38 | 143.3 | 0.24 | 0.58 | 36.2 | -0.46 | 0.27 |
| XR3PAN | 20.4 | -0.91 | 1.20 | 108.7 | 0.62 | 0.38 | 153.2 | 0.83 | 0.29 | 35.5 | -0.61 | 0.70 |
| Y2X9YT | 19.6 | -1.16 | 0.11 | 88.3 | -1.30 | 0.09 | 114.8 | -1.44 | 0.17 | 29.9 | -1.78 | 0.16 |
| YL6GER | 24.2 | 0.31 | 0.22 | 103.3 | 0.12 | 0.71 | 137.0 | -0.13 | 0.21 | 38.7 | 0.05 | 0.61 |
| ZTKTVQ | 23.8 | 0.19 | 0.34 | 106.8 | 0.44 | 1.68 | 150.0 | 0.64 | 0.22 | 36.4 | -0.41 | 0.51 |

**B (SubTestCode 219) in the Wet Digestion Property Groups**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 23.3 | 102.1 | 139.2 | 38.4 |
| **Median Abs Dev** | 2.1 | 6.1 | 9.2 | 2.2 |
| **Avg Within Lab SD** | 1.3 | 3.5 | 4.9 | 2.1 |
| **Labs Included** | 43 | 43 | 44 | 42 |
| **Labs Reporting** | 45 | 45 | 45 | 45 |

**Zn (SubTestCode 220) in the Wet Digestion Property Groups**    **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 41.2 | 1.60 | 0.96 | 13.0 | 0.69 | 0.86 | 52.5 | 0.55 | 0.28 | 42.7 | 0.29 | 0.26 |
| 2W2DFK | 35.3 | 0.00 | 0.44 | 10.3 | -0.78 | 0.50 | 49.0 | -0.10 | 0.96 | 43.0 | 0.37 | 0.77 |
| 3U6BYV | 23.6 | -3.21X | 0.86 | | | | 36.7 | -2.41 | 0.80 | 21.7 | -5.10X | 0.13 |
| 3UUGAM | 36.3 | 0.26 | 0.15 | 12.2 | 0.25 | 0.29 | 49.8 | 0.05 | 0.72 | 41.8 | 0.06 | 0.26 |
| 3WWADT | 34.1 | -0.35 | 0.38 | 10.8 | -0.54 | 0.73 | 47.5 | -0.38 | 1.07 | 40.7 | -0.21 | 0.78 |
| 44YNNM | 25.9 | -2.59 | 3.64 | 13.4 | 0.88 | | 34.8 | -2.77 | 1.20 | 31.9 | -2.47 | 3.71 |
| 6ATHQD | 45.1 | 2.67 | 2.53 | 23.5 | 6.42X | 0.55 | 56.4 | 1.29 | 1.25 | 49.3 | 2.00 | 2.51 |
| 72EX2L | 42.0 | 1.80 | 0.27 | 70.3 | 32.10X | 0.56 | 102.3 | 9.90X | 0.92 | 35.1 | -1.67 | 0.16 |
| 84H2GF | 30.5 | -1.33 | 1.67 | 12.6 | 0.47 | 1.82 | 42.1 | -1.39 | 2.60 | 39.8 | -0.46 | 1.65 |
| 86VF6P | 39.2 | 1.05 | 1.07 | 12.9 | 0.66 | 1.10 | 52.3 | 0.51 | 0.29 | 44.0 | 0.63 | 0.76 |
| 8Q9F3N | 34.5 | -0.24 | 0.82 | 14.8 | 1.65 | 1.43 | 47.0 | -0.47 | 1.81 | 41.2 | -0.09 | 0.65 |
| 9D3RFD | 34.3 | -0.28 | 0.19 | 10.5 | -0.68 | 0.36 | 47.5 | -0.39 | 0.24 | 40.2 | -0.35 | 0.15 |
| BVW8T9 | 35.8 | 0.12 | 2.93 | 9.1 | -1.43 | 1.00 | 45.8 | -0.71 | 1.17 | 40.5 | -0.26 | 1.64 |
| CD7DRH | 34.3 | -0.28 | 0.19 | 11.2 | -0.32 | 0.26 | 49.9 | 0.07 | 0.48 | 42.9 | 0.35 | 0.31 |
| D7MPC7 | 48.7 | 3.65X | 1.38 | 15.1 | 1.82 | 0.40 | 68.9 | 3.63X | 2.08 | 58.5 | 4.35X | 0.96 |
| DF9V4J | 33.5 | -0.50 | 0.23 | 10.1 | -0.88 | 0.28 | 47.3 | -0.43 | 0.26 | 38.9 | -0.68 | 0.11 |
| DPJXPJ | 38.9 | 0.96 | 0.22 | 12.9 | 0.65 | 0.64 | 56.4 | 1.29 | 0.39 | 46.9 | 1.37 | 0.25 |
| EN39TB | 32.5 | -0.78 | 0.21 | 10.3 | -0.81 | 0.21 | 47.2 | -0.44 | 0.42 | 38.8 | -0.70 | 0.16 |
| EPDZY7 | 35.8 | 0.11 | 0.38 | 13.6 | 1.02 | 0.44 | 58.6 | 1.69 | 1.16 | 18.3 | -5.98X | 0.03 |
| F673ZB | 32.0 | -0.91 | 0.38 | 10.7 | -0.59 | 0.50 | 45.3 | -0.79 | 0.84 | 36.7 | -1.26 | 0.51 |
| FEB6BA | 36.1 | 0.20 | 0.75 | 11.7 | -0.03 | 0.38 | 51.6 | 0.39 | 0.61 | 43.2 | 0.41 | 0.17 |
| FZPP8A | 34.5 | -0.23 | 0.20 | 10.7 | -0.56 | 0.13 | 48.0 | -0.30 | 0.48 | 40.2 | -0.36 | 0.46 |
| GRFTQA | 35.5 | 0.04 | | 10.8 | -0.52 | 0.00 | 53.3 | 0.70 | 0.00 | 41.8 | 0.06 | 0.00 |
| GZQVCB | 35.7 | 0.09 | 0.22 | 12.3 | 0.32 | 0.50 | 52.3 | 0.52 | 0.84 | 42.0 | 0.11 | 0.45 |
| HH9DJ3 | 37.0 | 0.45 | 1.00 | 15.3 | 1.96 | 2.17 | 50.7 | 0.21 | 2.09 | 44.0 | 0.63 | 1.61 |
| JK7EW4 | 36.3 | 0.25 | 0.72 | 11.8 | 0.03 | 1.91 | 50.1 | 0.09 | 2.37 | 45.3 | 0.96 | 2.26 |

**Zn (SubTestCode 220) in the Wet Digestion Property Groups**                                          **Data units: mg/kg**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| JQCYVA | 37.9 | 0.69 | 0.88 | 13.0 | 0.69 | 0.78 | 53.7 | 0.77 | 0.94 | 41.8 | 0.05 | 0.53 |
| KF94C4 | 40.3 | 1.34 | 0.29 | 12.5 | 0.38 | 0.34 | 52.3 | 0.52 | 0.37 | 47.5 | 1.53 | 0.07 |
| KHEFJ7 | 31.7 | -1.00 | 0.11 | 10.8 | -0.54 | 0.10 | 42.8 | -1.27 | 0.12 | 37.3 | -1.10 | 0.08 |
| LLQW29 | 34.4 | -0.26 | 0.49 | 13.6 | 1.01 | 1.09 | 49.7 | 0.02 | 0.74 | 41.7 | 0.05 | 0.60 |
| LRY7H4 | 37.3 | 0.54 | 0.29 | 23.4 | 6.40X | 0.78 | 47.1 | -0.45 | 0.19 | 41.4 | -0.05 | 0.25 |
| M6MR24 | 35.3 | 0.00 | 0.95 | 13.0 | 0.69 | 0.86 | 48.3 | -0.23 | 1.28 | 40.3 | -0.31 | 1.43 |
| MM3234 | 34.7 | -0.19 | 0.44 | 11.3 | -0.23 | 0.50 | 47.0 | -0.48 | 0.96 | 40.3 | -0.31 | 0.68 |
| N79TKW | 39.4 | 1.10 | 0.40 | 9.2 | -1.38 | 0.10 | 43.5 | -1.13 | 0.22 | 36.6 | -1.28 | 0.38 |
| P3TKWW | 35.3 | 0.00 | 0.04 | 11.7 | -0.05 | 0.11 | 49.5 | 0.00 | 0.32 | 43.8 | 0.58 | 0.06 |
| QZA8GY | 42.9 | 2.07 | 0.35 | 19.8 | 4.39X | 0.62 | 55.0 | 1.02 | 0.23 | 46.3 | 1.23 | 0.40 |
| TFKQ8P | 37.6 | 0.62 | 0.54 | 11.2 | -0.30 | 0.45 | 51.7 | 0.41 | 1.09 | 44.4 | 0.73 | 0.81 |
| TQJCHV | 33.9 | -0.39 | 0.32 | 11.8 | 0.05 | 2.90 | 47.7 | -0.34 | 0.70 | 42.5 | 0.24 | 0.04 |
| TZUE4V | 36.6 | 0.33 | 0.33 | 11.4 | -0.19 | 0.38 | 48.7 | -0.17 | 0.40 | 39.7 | -0.49 | 1.34 |
| UNBDWZ | 33.6 | -0.49 | 1.45 | 11.8 | 0.03 | 0.00 | 50.4 | 0.17 | 0.28 | 38.2 | -0.86 | 0.18 |
| VCB32Y | 35.3 | -0.01 | 0.66 | 14.2 | 1.33 | 0.48 | 49.2 | -0.07 | 1.16 | 40.7 | -0.21 | 0.61 |
| WHHYBQ | 34.0 | -0.37 | | 10.3 | -0.78 | 0.50 | 47.0 | -0.48 | 1.11 | 39.7 | -0.49 | 0.26 |
| XKUFTU | 35.3 | -0.02 | 0.20 | 10.7 | -0.56 | 0.15 | 53.7 | 0.77 | 0.65 | 42.5 | 0.24 | 0.22 |
| XR3PAN | 43.6 | 2.25 | 0.38 | 14.6 | 1.59 | 1.18 | 60.6 | 2.07 | 1.18 | 49.4 | 2.02 | 0.73 |
| Y2X9YT | 31.6 | -1.02 | 0.09 | 11.0 | -0.43 | 2.61 | 42.9 | -1.25 | 0.35 | 35.3 | -1.61 | 0.23 |
| YL6GER | 35.1 | -0.08 | 0.25 | 12.1 | 0.21 | 0.69 | 50.6 | 0.20 | 1.18 | 40.4 | -0.29 | 0.45 |
| ZTKTVQ | 37.1 | 0.48 | 0.55 | 11.1 | -0.37 | 0.91 | 52.9 | 0.62 | 0.98 | 42.5 | 0.25 | 0.52 |

**Zn (SubTestCode 220) in the Wet Digestion Property Groups**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 35.3 | 11.7 | 49.5 | 41.6 |
| Median Abs Dev | 1.4 | 1.1 | 2.5 | 1.7 |
| Avg Within Lab SD | 2.7 | 1.2 | 1.8 | 2.2 |
| Labs Included | 45 | 42 | 45 | 44 |
| Labs Reporting | 47 | 46 | 47 | 47 |

**Mn (SubTestCode 221) in the Wet Digestion Property Groups**　　　　**Data units: mg/kg**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 48.2 | 1.64 | 1.85 | 32.0 | 0.87 | 2.27 | 50.1 | 0.87 | 1.30 | 86.4 | 1.45 | 0.49 |
| 2W2DFK | 45.3 | 0.96 | 0.60 | 31.3 | 0.67 | 0.31 | 47.0 | 0.30 | 0.43 | 82.0 | 0.96 | 0.36 |
| 3U6BYV | 42.4 | 0.27 | 3.53 | 34.0 | 1.44 | 0.92 | 50.8 | 1.00 | 0.60 | 87.3 | 1.55 | 0.05 |
| 3UUGAM | 42.9 | 0.39 | 0.05 | 30.7 | 0.49 | 0.13 | 47.3 | 0.35 | 0.38 | 78.4 | 0.55 | 0.39 |
| 3WWADT | 43.0 | 0.42 | 1.43 | 28.2 | -0.24 | 0.96 | 42.9 | -0.46 | 0.80 | 77.5 | 0.45 | 0.69 |
| 44YNNM | 40.3 | -0.23 | 1.51 | 27.5 | -0.42 | 2.03 | 41.0 | -0.81 | 3.47 | 72.5 | -0.11 | 0.31 |
| 6ATHQD | 36.2 | -1.16 | 0.26 | 23.7 | -1.51 | 1.09 | 37.6 | -1.45 | 1.17 | 66.7 | -0.77 | 0.57 |
| 72EX2L | 34.2 | -1.63 | 0.12 | 27.1 | -0.55 | 0.41 | 40.9 | -0.84 | 0.10 | 66.5 | -0.79 | 0.30 |
| 84H2GF | 37.5 | -0.87 | 0.45 | 27.8 | -0.33 | 1.86 | 40.1 | -0.99 | 1.62 | 69.9 | -0.41 | 3.29 |
| 86VF6P | 44.5 | 0.76 | 0.12 | 31.4 | 0.70 | 0.96 | 48.8 | 0.63 | 0.29 | 77.9 | 0.49 | 0.39 |
| 8Q9F3N | 37.6 | -0.85 | 0.70 | 26.3 | -0.78 | 0.71 | 40.2 | -0.97 | 0.34 | 67.5 | -0.67 | 0.36 |
| 9D3RFD | 41.9 | 0.16 | 0.37 | 29.4 | 0.13 | 0.14 | 45.8 | 0.08 | 0.34 | 76.0 | 0.28 | 0.41 |
| BVW8T9 | 39.4 | -0.43 | 0.37 | 26.6 | -0.68 | 0.04 | 42.6 | -0.53 | 0.45 | 73.6 | 0.01 | 0.72 |
| CD7DRH | 42.2 | 0.24 | 0.44 | 29.5 | 0.14 | 0.32 | 46.5 | 0.21 | 0.32 | 79.8 | 0.71 | 0.23 |
| D7MPC7 | 47.2 | 1.41 | 0.57 | 31.0 | 0.56 | 0.77 | 53.9 | 1.58 | 0.77 | 94.1 | 2.32 | 1.90 |
| DF9V4J | 38.1 | -0.73 | 0.21 | 26.5 | -0.72 | 0.23 | 40.6 | -0.90 | 0.33 | 68.4 | -0.58 | 0.51 |
| DPJXPJ | 44.9 | 0.86 | 0.93 | 33.3 | 1.23 | 1.62 | 49.3 | 0.74 | 0.79 | 80.5 | 0.78 | 1.17 |
| EN39TB | 53.7 | 2.92**X** | 0.60 | 36.1 | 2.05 | 0.42 | 58.5 | 2.45**X** | 0.40 | 95.2 | 2.45 | 0.17 |
| EPDZY7 | 39.3 | -0.45 | 1.14 | 30.9 | 0.54 | 0.84 | 52.4 | 1.31 | 0.49 | 30.0 | -4.90**X** | 0.43 |
| F673ZB | 38.3 | -0.67 | 0.30 | 27.0 | -0.57 | 0.54 | 44.0 | -0.26 | | 70.3 | -0.36 | 0.21 |
| FEB6BA | 44.0 | 0.66 | 0.77 | 30.5 | 0.44 | 0.03 | 49.3 | 0.72 | 0.44 | 80.7 | 0.81 | 0.33 |
| FZPP8A | 41.2 | -0.01 | 0.43 | 27.6 | -0.39 | 0.20 | 43.7 | -0.32 | 0.59 | 73.4 | -0.01 | 0.32 |
| GRFTQA | 40.0 | -0.29 | | 28.6 | -0.11 | 0.00 | 45.0 | -0.08 | | 72.9 | -0.07 | 0.00 |
| GZQVCB | 44.7 | 0.80 | 0.79 | 31.3 | 0.67 | 0.62 | 50.0 | 0.86 | | 82.0 | 0.96 | 0.36 |
| HH9DJ3 | 44.7 | 0.80 | 2.54 | 32.7 | 1.05 | 2.42 | 47.7 | 0.42 | 1.80 | 81.7 | 0.92 | 2.00 |
| JK7EW4 | 36.0 | -1.23 | 1.84 | 22.4 | -1.90 | 3.37 | 38.3 | -1.33 | 3.13 | 72.3 | -0.14 | 2.65 |

**Mn (SubTestCode 221) in the Wet Digestion Property Groups**　　　　　　　　　　　　　　**Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQCYVA | 41.3 | 0.01 | 0.12 | 29.7 | 0.21 | 0.07 | 47.3 | 0.35 | 0.73 | 70.6 | -0.32 | 0.23 |
| KF94C4 | 45.3 | 0.96 | 0.40 | 30.5 | 0.42 | 0.38 | 47.2 | 0.34 | 0.32 | 80.2 | 0.75 | 0.23 |
| KHEFJ7 | 35.3 | -1.38 | 0.30 | 23.8 | -1.48 | 0.08 | 40.3 | -0.96 | 0.07 | 64.7 | -0.99 | 0.11 |
| LLQW29 | 39.5 | -0.40 | 0.64 | 28.0 | -0.28 | 0.61 | 44.2 | -0.22 | 0.17 | 67.5 | -0.68 | 0.67 |
| LRY7H4 | 37.2 | -0.95 | 0.36 | 25.7 | -0.96 | 0.24 | 38.4 | -1.31 | 0.44 | 59.9 | -1.53 | 0.71 |
| M6MR24 | 40.0 | -0.29 | 1.86 | 29.0 | 0.00 | 0.93 | 43.7 | -0.32 | 1.25 | 69.3 | -0.47 | 1.51 |
| MM3234 | 40.0 | -0.29 | 0.89 | 27.3 | -0.48 | 0.31 | 43.3 | -0.39 | 0.66 | 70.0 | -0.40 | 0.96 |
| N79TKW | 45.9 | 1.10 | 0.70 | 30.1 | 0.31 | 1.33 | 39.9 | -1.03 | 0.64 | 72.5 | -0.11 | 0.95 |
| P3TKWW | 43.9 | 0.63 | 0.08 | 30.9 | 0.54 | 0.07 | 47.9 | 0.47 | 0.21 | 83.5 | 1.12 | 0.02 |
| QZA8GY | 45.8 | 1.07 | 0.21 | 30.4 | 0.40 | 0.70 | 49.1 | 0.69 | 0.07 | 84.5 | 1.24 | 0.61 |
| TFKQ8P | 42.1 | 0.21 | 0.46 | 28.4 | -0.16 | 0.62 | 44.8 | -0.11 | 0.44 | 76.4 | 0.33 | 0.64 |
| TQJCHV | 37.1 | -0.96 | 0.37 | 24.9 | -1.17 | 0.55 | 42.6 | -0.52 | 0.75 | 68.0 | -0.62 | 0.20 |
| TZUE4V | 42.8 | 0.37 | 0.76 | 28.9 | -0.03 | 0.39 | 46.0 | 0.11 | 0.37 | 73.2 | -0.03 | 2.80 |
| UNBDWZ | 40.3 | -0.21 | 0.30 | 33.0 | 1.15 |  | 51.3 | 1.11 | 0.66 | 76.3 | 0.32 | 0.21 |
| VCB32Y | 41.3 | 0.03 | 0.65 | 29.2 | 0.05 | 0.46 | 46.3 | 0.16 | 0.76 | 72.5 | -0.12 | 0.08 |
| WHHYBQ | 38.0 | -0.75 |  | 26.3 | -0.77 | 0.31 | 42.0 | -0.64 |  | 69.3 | -0.47 | 0.21 |
| XKUFTU | 40.5 | -0.16 | 0.22 | 28.8 | -0.06 | 0.28 | 47.4 | 0.37 | 0.60 | 75.5 | 0.22 | 0.54 |
| XR3PAN | 49.5 | 1.94 | 0.53 | 33.7 | 1.34 | 0.87 | 54.1 | 1.63 | 0.71 | 84.1 | 1.19 | 0.97 |
| Y2X9YT | 36.0 | -1.22 | 0.06 | 22.0 | -2.00 | 0.21 | 37.0 | -1.58 | 0.26 | 64.8 | -0.98 | 0.16 |
| YL6GER | 42.1 | 0.21 | 0.73 | 29.7 | 0.20 | 0.37 | 46.2 | 0.14 | 1.00 | 75.2 | 0.19 | 0.49 |
| ZTKTVQ | 41.2 | -0.01 | 0.63 | 27.3 | -0.48 | 0.67 | 42.5 | -0.54 | 0.14 | 70.4 | -0.35 | 0.72 |

**Mn (SubTestCode 221) in the Wet Digestion Property Groups**          **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 41.2 | 29.0 | 45.4 | 73.5 |
| **Median Abs Dev** | 2.8 | 1.9 | 3.1 | 5.0 |
| **Avg Within Lab SD** | 1.9 | 1.9 | 2.3 | 2.8 |
| **Labs Included** | 46 | 47 | 46 | 46 |
| **Labs Reporting** | 47 | 47 | 47 | 47 |

**Fe (SubTestCode 222) in the Wet Digestion Property Groups**          **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 219.0 | 1.03 | 0.60 | 149.7 | 0.64 | 0.99 | 87.1 | 0.73 | 0.72 | 235.7 | 0.83 | 2.48 |
| 2W2DFK | 209.0 | 0.62 | 0.70 | 142.3 | 0.30 | 0.15 | 82.0 | 0.24 | 0.70 | 207.7 | 0.03 | 1.12 |
| 3U6BYV | 256.5 | 2.58X | 3.57 | 225.5 | 4.10X | 1.73 | 145.4 | 6.33X | 1.49 | 321.7 | 3.30X | 0.54 |
| 3UUGAM | 188.5 | -0.23 | 0.21 | 135.8 | 0.00 | 0.22 | 72.9 | -0.64 | 0.16 | 212.0 | 0.15 | 0.16 |
| 3WWADT | 202.0 | 0.33 | 1.11 | 135.7 | 0.00 | 0.84 | 79.6 | 0.01 | 1.13 | 213.0 | 0.18 | 0.64 |
| 44YNNM | 198.7 | 0.19 | 1.39 | 145.3 | 0.44 | 1.45 | 77.6 | -0.18 | 2.99 | 221.4 | 0.42 | 1.06 |
| 6ATHQD | 213.7 | 0.81 | 1.52 | 215.0 | 3.62X | 1.42 | 118.0 | 3.70X | 3.62 | 221.7 | 0.43 | 1.05 |
| 72EX2L | 171.7 | -0.93 | 0.09 | 116.3 | -0.89 | 0.06 | 72.3 | -0.70 | 0.13 | 188.8 | -0.51 | 0.06 |
| 84H2GF | 177.7 | -0.68 | 0.80 | 113.7 | -1.01 | 0.66 | 82.6 | 0.30 | 1.25 | 180.6 | -0.75 | 1.12 |
| 86VF6P | 199.0 | 0.20 | 0.41 | 137.0 | 0.06 | 0.36 | 78.8 | -0.07 | 0.27 | 197.2 | -0.27 | 0.38 |
| 8Q9F3N | 192.3 | -0.07 | 2.11 | 127.7 | -0.37 | 2.29 | 73.0 | -0.63 | 1.45 | 177.7 | -0.83 | 1.47 |
| 9D3RFD | 217.8 | 0.98 | 0.44 | 161.3 | 1.17 | 0.38 | 95.9 | 1.57 | 0.06 | 240.7 | 0.98 | 0.11 |
| BVW8T9 | 205.9 | 0.49 | 0.64 | 138.4 | 0.12 | 1.05 | 76.4 | -0.30 | 1.50 | 217.0 | 0.30 | 0.41 |
| CD7DRH | 207.7 | 0.56 | 0.55 | 152.0 | 0.74 | 1.34 | 84.0 | 0.43 | 0.49 | 224.3 | 0.51 | 1.00 |
| D7MPC7 | 225.4 | 1.30 | 1.48 | 154.9 | 0.88 | 0.96 | 87.6 | 0.78 | 0.65 | 275.9 | 1.98 | 1.22 |
| DF9V4J | 189.7 | -0.18 | 0.44 | 128.3 | -0.34 | 0.09 | 75.8 | -0.36 | 0.34 | 215.3 | 0.25 | 0.47 |
| DPJXPJ | 223.5 | 1.22 | 0.53 | 173.5 | 1.72 | 1.67 | 96.2 | 1.60 | 0.86 | 257.4 | 1.45 | 0.93 |
| EN39TB | 191.9 | -0.09 | 0.45 | 130.7 | -0.23 | 0.71 | 76.1 | -0.33 | 0.30 | 209.2 | 0.07 | 0.14 |
| EPDZY7 | 182.0 | -0.50 | 1.37 | 143.1 | 0.34 | 0.45 | 85.3 | 0.56 | 0.69 | 86.3 | -3.45X | 0.52 |
| F673ZB | 135.7 | -2.42 | 0.06 | 82.7 | -2.42 | 0.24 | 55.0 | -2.35 | 0.20 | 139.0 | -1.94 | 0.44 |
| FEB6BA | 212.0 | 0.74 | 2.17 | 137.0 | 0.06 | 0.70 | 79.4 | -0.01 | 0.42 | 203.0 | -0.11 | 0.21 |
| FZPP8A | 182.2 | -0.49 | 0.11 | 115.8 | -0.91 | 0.45 | 70.7 | -0.84 | 0.43 | 176.1 | -0.88 | 0.76 |
| GRFTQA | 177.3 | -0.70 | 0.00 | 129.1 | -0.30 | 0.00 | 73.3 | -0.60 | 0.00 | 183.8 | -0.65 | 0.00 |
| GZQVCB | 178.5 | -0.65 | 0.13 | 95.3 | -1.85 | 0.34 | 68.0 | -1.10 | 0.39 | 150.7 | -1.60 | 0.26 |
| HH9DJ3 | 217.0 | 0.95 | 2.77 | 163.7 | 1.27 | 2.07 | 95.0 | 1.49 | 3.40 | 219.3 | 0.36 | 1.05 |
| JK7EW4 | 215.4 | 0.88 | 0.98 | 128.1 | -0.35 | 2.88 | 84.5 | 0.48 | 1.85 | 213.5 | 0.20 | 3.42 |

**Fe (SubTestCode 222) in the Wet Digestion Property Groups**                    **Data units: mg/kg**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| JQCYVA | 194.7 | 0.02 | 1.12 | 113.6 | -1.01 | 1.41 | 80.4 | 0.09 | 0.39 | 174.6 | -0.92 | 0.77 |
| KF94C4 | 215.6 | 0.89 | 0.10 | 155.8 | 0.92 | 0.66 | 87.7 | 0.78 | 0.20 | 233.0 | 0.76 | 0.63 |
| KHEFJ7 | 185.0 | -0.38 | 0.10 | 134.7 | -0.05 | 0.06 | 89.3 | 0.94 | 0.23 | 211.3 | 0.13 | 0.19 |
| LLQW29 | 170.7 | -0.97 | 0.37 | 104.4 | -1.43 | 0.36 | 68.0 | -1.10 | 0.79 | 165.8 | -1.17 | 1.23 |
| LRY7H4 | 172.0 | -0.91 | 0.30 | 129.7 | -0.28 | 0.15 | 74.2 | -0.51 | 0.23 | 175.3 | -0.90 | 0.50 |
| M6MR24 | 180.3 | -0.57 | 1.85 | 131.3 | -0.20 | 0.34 | 69.7 | -0.94 | 0.56 | 165.7 | -1.17 | 0.91 |
| MM3234 | 166.7 | -1.14 | 1.15 | 95.3 | -1.85 | 0.46 | 67.0 | -1.20 | 0.89 | 143.3 | -1.81 | 0.71 |
| N79TKW | 194.1 | 0.00 | 0.41 | 124.8 | -0.50 | 0.38 | 70.8 | -0.84 | 0.05 | 183.6 | -0.66 | 0.69 |
| P3TKWW | 215.6 | 0.89 | 0.06 | 159.2 | 1.07 | 0.12 | 84.8 | 0.51 | 0.00 | 246.5 | 1.14 | 0.08 |
| QZA8GY | 205.7 | 0.48 | 0.38 | 121.0 | -0.67 | 0.19 | 80.4 | 0.09 | 0.13 | 194.7 | -0.34 | 0.56 |
| TFKQ8P | 210.7 | 0.69 | 0.32 | 143.7 | 0.36 | 0.15 | 81.9 | 0.23 | 0.92 | 225.0 | 0.53 | 1.23 |
| TQJCHV | 85.2 | -4.51**X** | 0.28 | 55.6 | -3.66**X** | 0.25 | 44.9 | -3.33**X** | 0.40 | 119.6 | -2.49**X** | 0.09 |
| TZUE4V | 179.7 | -0.60 | 2.30 | 116.6 | -0.87 | 2.91 | 75.1 | -0.43 | 1.01 | 205.3 | -0.04 | 0.28 |
| UNBDWZ | 157.7 | -1.51 | 0.25 | 137.3 | 0.07 | 0.06 | 84.3 | 0.46 | 0.11 | 191.3 | -0.44 | 0.19 |
| VCB32Y | 177.8 | -0.67 | 0.80 | 136.5 | 0.04 | 0.85 | 91.0 | 1.10 | 0.72 | 193.3 | -0.38 | 0.89 |
| WHHYBQ | 195.7 | 0.06 | 0.06 | 129.3 | -0.29 | 0.15 | 82.7 | 0.30 | 1.52 | 205.7 | -0.03 | 0.19 |
| XKUFTU | 190.5 | -0.15 | 0.91 | 143.3 | 0.34 | 0.45 | 74.1 | -0.52 | 0.58 | 211.9 | 0.15 | 0.70 |
| XR3PAN | 208.5 | 0.60 | 0.46 | 142.9 | 0.33 | 0.56 | 85.3 | 0.56 | 1.16 | 218.8 | 0.35 | 0.62 |
| Y2X9YT | 157.9 | -1.50 | 0.30 | 82.8 | -2.42 | 0.16 | 55.1 | -2.35 | 0.17 | 132.1 | -2.14 | 0.27 |
| YL6GER | 187.7 | -0.27 | 0.29 | 137.0 | 0.06 | 0.29 | 78.5 | -0.09 | 0.62 | 194.3 | -0.35 | 0.70 |
| ZTKTVQ | 214.0 | 0.82 | 0.75 | 147.3 | 0.53 | 0.72 | 83.0 | 0.33 | 0.54 | 227.5 | 0.60 | 2.04 |

**Fe (SubTestCode 222) in the Wet Digestion Property Groups**

Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 194.1 | 135.7 | 79.5 | 206.7 |
| Median Abs Dev | 15.6 | 8.8 | 5.6 | 17.8 |
| Avg Within Lab SD | 10.1 | 10.4 | 5.1 | 8.1 |
| Labs Included | 45 | 44 | 44 | 44 |
| Labs Reporting | 47 | 47 | 47 | 47 |

**Cu (SubTestCode 223) in the Wet Digestion Property Groups**                                    **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2DFK | 5.33 | -0.83 | 0.80 | 5.00 | -1.65 | | 14.33 | -0.61 | 0.70 | 9.00 | -0.04 | |
| 3U6BYV | 6.65 | 0.25 | 1.88 | 7.91 | 0.95 | 0.84 | 15.78 | 0.27 | 0.67 | 9.62 | 0.58 | 0.37 |
| 3UUGAM | 8.01 | 1.36 | 0.22 | 7.47 | 0.56 | 0.27 | 15.29 | -0.03 | 0.20 | 9.23 | 0.19 | 0.23 |
| 3WWADT | 6.67 | 0.26 | 0.69 | 6.47 | -0.34 | 0.64 | 15.70 | 0.22 | 1.15 | 9.07 | 0.02 | 0.18 |
| 44YNNM | 4.93 | -1.16 | 0.12 | 5.15 | -1.51 | 1.29 | 12.52 | -1.71 | 2.68 | 7.79 | -1.27 | 0.36 |
| 6ATHQD | 6.27 | -0.06 | 0.81 | 7.32 | 0.43 | 1.88 | 14.90 | -0.26 | 2.38 | 8.90 | -0.15 | 0.47 |
| 72EX2L | 6.20 | -0.12 | 0.11 | 6.85 | 0.00 | 0.10 | 16.08 | 0.45 | 0.25 | 9.32 | 0.28 | 0.22 |
| 84H2GF | 8.77 | 1.99 | 2.28 | 10.97 | 3.68X | 6.48 | 17.43 | 1.27 | 1.81 | 12.21 | 3.20X | 2.53 |
| 86VF6P | 7.03 | 0.56 | 0.38 | 7.35 | 0.45 | 0.13 | 16.86 | 0.92 | 0.20 | 9.47 | 0.43 | 0.27 |
| 8Q9F3N | 6.00 | -0.28 | 0.96 | 6.43 | -0.37 | 2.00 | 13.73 | -0.97 | 1.08 | 8.30 | -0.75 | 1.73 |
| 9D3RFD | 6.99 | 0.52 | 0.39 | 7.25 | 0.36 | 0.11 | 15.56 | 0.14 | 0.21 | 9.88 | 0.84 | 0.24 |
| BVW8T9 | 5.53 | -0.66 | 0.50 | 5.57 | -1.14 | 0.11 | 14.66 | -0.41 | 0.57 | 8.10 | -0.95 | 1.02 |
| CD7DRH | 5.82 | -0.43 | 0.24 | 5.91 | -0.84 | 0.37 | 15.40 | 0.04 | 0.24 | 9.12 | 0.08 | 0.32 |
| D7MPC7 | 5.17 | -0.96 | 0.60 | 5.21 | -1.46 | 0.68 | 14.78 | -0.34 | 0.66 | 8.91 | -0.14 | 1.45 |
| DF9V4J | 6.33 | -0.01 | 0.16 | 6.77 | -0.07 | 0.46 | 14.97 | -0.22 | 0.35 | 9.13 | 0.09 | 0.39 |
| DPJXPJ | 8.01 | 1.36 | 0.31 | 9.18 | 2.08 | 1.80 | 18.22 | 1.75 | 0.43 | 11.61 | 2.59 | 0.77 |
| EN39TB | 6.36 | 0.01 | 0.28 | 6.72 | -0.12 | 0.14 | 15.52 | 0.11 | 0.05 | 9.04 | 0.00 | 0.18 |
| EPDZY7 | 5.13 | -1.00 | 0.94 | 4.80 | -1.83 | 0.22 | 11.12 | -2.56 | 0.23 | 2.23 | -6.90X | 0.11 |
| F673ZB | 6.67 | 0.26 | 0.29 | 7.50 | 0.58 | 0.35 | 15.27 | -0.04 | 0.25 | 9.03 | -0.01 | 0.09 |
| FEB6BA | 6.48 | 0.11 | 0.37 | 6.74 | -0.10 | 0.24 | 15.97 | 0.38 | 0.30 | 9.15 | 0.11 | 0.13 |
| FZPP8A | 6.67 | 0.26 | 0.02 | 7.01 | 0.14 | 0.23 | 15.65 | 0.19 | 0.10 | 9.18 | 0.14 | 0.16 |
| GRFTQA | 6.21 | -0.11 | 0.00 | 6.86 | 0.01 | 0.00 | 15.94 | 0.37 | 0.00 | 9.02 | -0.02 | 0.00 |
| GZQVCB | 7.00 | 0.54 | | 7.33 | 0.43 | 1.15 | 17.00 | 1.01 | | 9.33 | 0.29 | 0.90 |
| HH9DJ3 | 7.57 | 1.00 | 4.95 | 7.57 | 0.64 | 4.60 | 16.27 | 0.57 | 4.22 | 10.23 | 1.20 | 5.08 |
| JK7EW4 | 7.33 | 0.81 | 0.68 | 7.30 | 0.40 | 0.53 | 15.10 | -0.14 | 0.53 | 10.37 | 1.34 | 1.04 |
| JQCYVA | 7.58 | 1.01 | 0.56 | 7.82 | 0.87 | 0.71 | 18.78 | 2.09 | 0.09 | 10.23 | 1.20 | 0.12 |

**Cu (SubTestCode 223) in the Wet Digestion Property Groups**                                    Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KF94C4 | 7.32 | 0.80 | 0.23 | 7.34 | 0.44 | 0.40 | 16.23 | 0.54 | 0.16 | 10.18 | 1.15 | 0.23 |
| KHEFJ7 | 3.95 | -1.96 | 0.07 | 5.03 | -1.62 | 0.23 | 9.03 | -3.82**X** | 0.18 | 5.57 | -3.52**X** | 0.09 |
| LLQW29 | 5.64 | -0.58 | 0.08 | 6.20 | -0.58 | 0.42 | 14.44 | -0.54 | 0.36 | 8.26 | -0.79 | 0.09 |
| LRY7H4 | 5.13 | -0.99 | 0.29 | 5.87 | -0.87 | 0.41 | 12.70 | -1.60 | 0.67 | 7.87 | -1.19 | 0.55 |
| M6MR24 | 5.69 | -0.54 | 0.77 | 6.47 | -0.33 | 0.59 | 13.92 | -0.86 | 0.72 | 8.09 | -0.96 | 1.33 |
| MM3234 | 6.40 | 0.04 | 0.24 | 6.93 | 0.08 | 0.50 | 15.33 | 0.00 | 0.70 | 8.47 | -0.58 | 0.73 |
| N79TKW | 8.87 | 2.06 | 0.84 | 7.47 | 0.55 | 0.58 | 12.83 | -1.52 | 0.07 | 8.23 | -0.82 | 0.09 |
| P3TKWW | 7.28 | 0.77 | 0.15 | 7.96 | 0.99 | 0.12 | 17.32 | 1.20 | 0.32 | 10.93 | 1.91 | 0.10 |
| QZA8GY | 7.40 | 0.86 | 0.28 | 7.53 | 0.61 | 0.30 | 17.23 | 1.15 | 0.14 | 10.47 | 1.44 | 0.18 |
| TFKQ8P | 5.93 | -0.34 | 0.56 | 5.80 | -0.93 | 0.69 | 14.27 | -0.65 | 0.39 | 8.67 | -0.38 | 0.45 |
| TQJCHV | 6.63 | 0.23 | 0.20 | 6.86 | 0.01 | 0.39 | 15.20 | -0.08 | 0.47 | 9.47 | 0.43 | 0.08 |
| TZUE4V | 7.75 | 1.15 | 0.08 | 7.60 | 0.68 | 0.53 | 16.60 | 0.77 | 0.32 | 10.34 | 1.32 | 0.93 |
| UNBDWZ | 5.00 | -1.10 | 1.38 | 7.00 | 0.14 | | 16.33 | 0.61 | 0.70 | 9.00 | -0.04 | |
| VCB32Y | 7.21 | 0.70 | 0.44 | 7.37 | 0.46 | 0.42 | 15.93 | 0.36 | 0.85 | 9.41 | 0.37 | 0.16 |
| WHHYBQ | 6.00 | -0.28 | | 6.00 | -0.76 | | 14.67 | -0.40 | 0.70 | 8.67 | -0.38 | 0.90 |
| XKUFTU | 5.19 | -0.95 | 0.29 | 5.82 | -0.91 | 0.67 | 14.89 | -0.27 | 0.15 | 8.53 | -0.52 | 0.38 |
| XR3PAN | 5.85 | -0.41 | 0.35 | 6.00 | -0.75 | 0.89 | 16.32 | 0.60 | 0.24 | 8.29 | -0.76 | 0.68 |
| Y2X9YT | 5.68 | -0.55 | 0.51 | 5.69 | -1.03 | 0.12 | 13.16 | -1.32 | 0.18 | 7.54 | -1.52 | 0.15 |
| YL6GER | 6.08 | -0.22 | 0.42 | 6.52 | -0.29 | 0.22 | 15.00 | -0.20 | 0.84 | 8.39 | -0.66 | 0.30 |
| ZTKTVQ | 5.66 | -0.56 | 0.49 | 5.75 | -0.98 | 0.07 | 14.36 | -0.59 | 0.43 | 8.02 | -1.03 | 0.37 |

**Cu (SubTestCode 223) in the Wet Digestion Property Groups**                                    Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 6.35 | 6.85 | 15.3 | 9.04 |
| **Median Abs Dev** | 0.69 | 0.65 | 0.9 | 0.58 |
| **Avg Within Lab SD** | 0.73 | 0.50 | 0.8 | 0.64 |
| **Labs Included** | 46 | 45 | 45 | 43 |
| **Labs Reporting** | 46 | 46 | 46 | 46 |

**Mo (SubTestCode 224) in the Wet Digestion Property Groups**  **Data units: mg/kg**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2W2DFK | 4.167 | -0.05 | 0.74 | | | | | | | 1.867 | -0.76 | 0.89 |
| 3U6BYV | 3.467 | -1.34 | 1.68 | | | | 0.133 | -1.60 | 0.17 | 1.917 | -0.61 | 0.02 |
| 3UUGAM | 4.246 | 0.09 | 0.41 | 0.500 | 2.63 | | 0.500 | 1.16 | | 2.031 | -0.27 | 0.20 |
| 3WWADT | 4.227 | 0.05 | 0.41 | 0.207 | 0.80 | 2.42 | 0.363 | 0.13 | 3.35 | 2.180 | 0.18 | 0.62 |
| 84H2GF | 3.880 | -0.58 | 0.39 | 0.037 | -0.26 | 0.39 | 0.048 | -2.24 | 0.26 | 1.930 | -0.57 | 0.81 |
| 86VF6P | 4.543 | 0.64 | 0.42 | 0.324 | 1.53 | 0.01 | 0.315 | -0.23 | 1.84 | 2.254 | 0.39 | 0.48 |
| 8Q9F3N | 3.300 | -1.64 | 1.24 | | | | | | | 1.033 | -3.24**X** | 0.65 |
| CD7DRH | 4.433 | 0.43 | 0.55 | 0.034 | -0.28 | 0.06 | 0.352 | 0.05 | 0.10 | 2.430 | 0.92 | 0.19 |
| D7MPC7 | 5.043 | 1.55 | 1.05 | 0.697 | 3.86**X** | 5.62 | 0.967 | 4.67**X** | 6.00 | 2.426 | 0.91 | 0.68 |
| DPJXPJ | 4.302 | 0.19 | 1.81 | 0.079 | 0.00 | 0.43 | 0.364 | 0.14 | 0.40 | 2.390 | 0.80 | 0.31 |
| EN39TB | 4.049 | -0.27 | 0.16 | 0.051 | -0.17 | 0.21 | 0.346 | 0.00 | 0.10 | 2.141 | 0.06 | 0.04 |
| F673ZB | 3.457 | -1.36 | 0.18 | 0.017 | -0.38 | 0.14 | 0.263 | -0.62 | 0.17 | 1.657 | -1.38 | 0.17 |
| FEB6BA | 4.537 | 0.62 | 0.53 | | | | 0.362 | 0.12 | 0.06 | 2.520 | 1.19 | 0.19 |
| FZPP8A | 4.432 | 0.43 | 0.38 | | | | 0.344 | -0.01 | 0.08 | 2.336 | 0.64 | 0.26 |
| HH9DJ3 | 4.333 | 0.25 | 0.95 | 0.117 | 0.24 | 2.49 | 0.360 | 0.11 | 1.41 | 2.507 | 1.15 | 0.69 |
| KF94C4 | 3.992 | -0.38 | 0.20 | 0.003 | -0.47 | 0.01 | 0.310 | -0.27 | 0.06 | 2.101 | -0.06 | 0.01 |
| LLQW29 | 5.121 | 1.69 | 0.47 | 0.892 | 5.07**X** | 0.31 | 1.261 | 6.88**X** | 0.49 | 3.278 | 3.44**X** | 0.73 |
| P3TKWW | 4.319 | 0.22 | 0.21 | 0.032 | -0.29 | 0.24 | 0.336 | -0.07 | 0.63 | 2.483 | 1.08 | 0.08 |
| QZA8GY | 4.097 | -0.18 | 0.65 | | | | | | | 2.017 | -0.31 | 0.29 |
| TQJCHV | 3.483 | -1.31 | 0.67 | | | | 0.030 | -2.37 | 0.11 | 1.619 | -1.50 | 0.12 |
| TZUE4V | 4.253 | 0.10 | 0.42 | | | | | | | 2.167 | 0.14 | 0.19 |
| UNBDWZ | 3.557 | -1.17 | 0.02 | 0.117 | 0.24 | 0.47 | 0.043 | -2.27 | 0.17 | 1.993 | -0.38 | 0.09 |
| WHHYBQ | 3.767 | -0.79 | 0.21 | | | | | | | 2.000 | -0.36 | |
| Y2X9YT | 3.927 | -0.49 | 0.25 | 0.277 | 1.23 | 0.73 | 0.363 | 0.13 | 0.17 | 2.050 | -0.21 | 0.13 |
| YL6GER | 4.560 | 0.67 | 0.43 | 0.031 | -0.30 | 0.01 | 0.350 | 0.03 | 0.11 | 2.487 | 1.09 | 0.43 |
| ZTKTVQ | 3.639 | -1.02 | 3.57 | 0.288 | 1.30 | 0.84 | 0.513 | 1.26 | 0.75 | 1.702 | -1.25 | 4.40 |

**Mo (SubTestCode 224) in the Wet Digestion Property Groups**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 4.20 | 0.079 | 0.35 | 2.12 |
| Median Abs Dev | 0.29 | 0.047 | 0.02 | 0.21 |
| Avg Within Lab SD | 0.28 | 0.044 | 0.09 | 0.23 |
| Labs Included | 26 | 15 | 19 | 24 |
| Labs Reporting | 26 | 17 | 21 | 26 |

**P (SubTestCode 225) in the Dry Ash Property Groups**  —  **Data units: Percent**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 0.58 | -0.87 | 1.03 | 0.08 | -1.47 | 0.00 | 0.16 | -1.53 | 1.63 | 0.35 | -1.21 | 1.87 |
| 9D72ND | 0.61 | -0.21 | 0.00 | 0.09 | 0.00 | 0.00 | 0.17 | 0.46 | 0.00 | 0.37 | -0.12 | 0.00 |
| DFEY7A | 0.60 | -0.34 | 1.03 | 0.09 | 0.49 | 2.44 | 0.17 | -0.53 | 1.63 | 0.36 | -0.49 | 1.08 |
| EN39TB | 0.70 | 1.57 | 0.43 | 0.08 | -0.82 | 0.04 | 0.17 | -0.46 | 0.16 | 0.37 | 0.12 | 0.33 |
| HGXCX4 | 0.63 | 0.21 | 1.62 | 0.10 | 1.27 | 0.21 | 0.17 | 0.59 | 0.80 | 0.39 | 1.14 | 1.10 |
| JXALTZ | 0.66 | 0.84 | 1.03 | 0.09 | 0.00 | 0.00 | 0.17 | 0.46 | 0.00 | 0.39 | 0.96 | 0.00 |

**P (SubTestCode 225) in the Dry Ash Property Groups**  —  **Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.62 | 0.09 | 0.17 | 0.37 |
| Median Abs Dev | 0.03 | 0.00 | 0.00 | 0.01 |
| Avg Within Lab SD | 0.01 | 0.00 | 0.00 | 0.01 |
| Labs Included | 6 | 6 | 6 | 6 |
| Labs Reporting | 6 | 6 | 6 | 6 |

## K (SubTestCode 226) in the Dry Ash Property Groups — Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|
| 9D72ND | 5.27 | -0.83 | 0.30 | 1.22 | -1.79 | 0.47 | 1.17 | -1.42 | 0.45 | 7.08 | -0.30 | 0.25 |
| DFEY7A | 5.94 | 1.48 | 0.49 | 1.46 | 0.74 | 0.81 | 1.36 | 1.69 | 1.20 | 7.77 | 1.04 | 0.08 |
| EN39TB | 5.33 | -0.61 | 1.02 | 1.31 | -0.83 | 0.48 | 1.25 | -0.12 | 0.89 | 6.83 | -0.79 | 1.43 |
| HGXCX4 | 5.64 | 0.45 | 1.88 | 1.39 | 0.00 | 1.93 | 1.27 | 0.14 | 1.45 | 7.87 | 1.24 | 1.70 |
| JXALTZ | 5.51 | 0.00 | 0.31 | 1.39 | 0.01 | 0.40 | 1.26 | 0.00 | 0.69 | 7.24 | 0.00 | 0.04 |

## K (SubTestCode 226) in the Dry Ash Property Groups — Data units: Percent

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---------|---------|---------|---------|
| Grand Median | 5.51 | 1.39 | 1.26 | 7.24 |
| Median Abs Dev | 0.18 | 0.07 | 0.01 | 0.40 |
| Avg Within Lab SD | 0.08 | 0.02 | 0.02 | 0.14 |
| Labs Included | 5 | 5 | 5 | 5 |
| Labs Reporting | 5 | 5 | 5 | 5 |

## Ca (SubTestCode 227) in the Dry Ash Property Groups — Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9D72ND | 1.78 | -0.58 | 0.33 | 3.62 | 0.00 | 0.85 | 1.62 | -0.08 | 0.51 | 1.53 | 0.00 | 0.33 |
| DFEY7A | 1.79 | 0.01 | 1.49 | 3.55 | -0.57 | 1.76 | 1.63 | 0.02 | 0.29 | 1.59 | 0.81 | 0.88 |
| EN39TB | 1.79 | 0.00 | 0.08 | 3.67 | 0.41 | 0.58 | 1.63 | 0.00 | 0.41 | 1.47 | -0.90 | 0.27 |
| HGXCX4 | 1.84 | 2.05 | 1.39 | 3.74 | 1.02 | 0.65 | 1.69 | 0.87 | 0.89 | 1.62 | 1.17 | 1.98 |
| JXALTZ | 1.77 | -0.73 | 0.86 | 3.46 | -1.37 | 0.64 | 1.46 | -2.40 | 1.92 | 1.50 | -0.49 | 0.33 |

## Ca (SubTestCode 227) in the Dry Ash Property Groups — Data units: Percent

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 1.79 | 3.62 | 1.63 | 1.53 |
| Median Abs Dev | 0.01 | 0.07 | 0.01 | 0.06 |
| Avg Within Lab SD | 0.02 | 0.03 | 0.02 | 0.02 |
| Labs Included | 5 | 5 | 5 | 5 |
| Labs Reporting | 5 | 5 | 5 | 5 |

**Mg (SubTestCode 228) in the Dry Ash Property Groups**                                                    **Data units: Percent**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| **3U6BYV** | **0.41** | 0.91 | 1.86 | **0.32** | 1.53 | 0.71 | **0.34** | -0.64 | 2.28 | **0.33** | 2.78 | 1.77 |
| **9D72ND** | **0.38** | -1.45 | 0.00 | **0.30** | -0.76 | 0.71 | **0.36** | 0.27 | 0.00 | **0.27** | -0.37 | 0.00 |
| **DFEY7A** | **0.40** | -0.27 | 0.70 | **0.31** | 0.00 | 2.13 | **0.35** | -0.27 | 0.00 | **0.28** | 0.15 | 1.54 |
| **EN39TB** | **0.41** | 1.02 | 0.13 | **0.32** | 1.57 | 0.39 | **0.39** | 1.82 | 0.35 | **0.27** | -0.44 | 0.19 |
| **HGXCX4** | **0.40** | -0.20 | 1.25 | **0.31** | -0.19 | 0.54 | **0.37** | 0.59 | 0.52 | **0.27** | -0.15 | 0.68 |
| **JXALTZ** | **0.40** | 0.20 | 0.70 | **0.31** | 0.00 | 0.00 | **0.35** | -0.45 | 0.63 | **0.28** | 0.15 | 0.00 |

**Mg (SubTestCode 228) in the Dry Ash Property Groups**                                                    **Data units: Percent**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 0.40 | 0.31 | 0.36 | 0.28 |
| **Median Abs Dev** | 0.01 | 0.00 | 0.01 | 0.01 |
| **Avg Within Lab SD** | 0.01 | 0.01 | 0.01 | 0.01 |
| **Labs Included** | 6 | 6 | 6 | 6 |
| **Labs Reporting** | 6 | 6 | 6 | 6 |

## Na (SubTestCode 229) in the Dry Ash Property Groups — Data units: Percent

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | **0.053** | 1.32 | 0.53 | **0.010** | 0.40 | 0.00 | **0.043** | 2.28 | 1.38 | **0.567** | 2.08 | 0.72 |
| 9D72ND | **0.037** | 0.00 | 0.53 | **0.010** | 0.40 | 0.00 | **0.030** | -0.33 | 0.00 | **0.370** | -0.40 | 1.24 |
| DFEY7A | **0.037** | 0.00 | 0.53 | **0.010** | 0.40 | 0.00 | **0.033** | 0.33 | 1.38 | **0.417** | 0.19 | 0.72 |
| EN39TB | **0.035** | -0.11 | 0.03 | **0.004** | -1.40 | 0.10 | **0.030** | -0.39 | 0.18 | **0.387** | -0.19 | 0.47 |
| HGXCX4 | **0.063** | 2.09 | 2.27 | **0.007** | -0.40 | 2.45 | **0.034** | 0.40 | 1.46 | **0.475** | 0.92 | 1.79 |
| JXALTZ | **0.030** | -0.53 | 0.00 | **0.005** | -1.05 | 0.00 | **0.030** | -0.33 | 0.00 | **0.380** | -0.28 | 0.00 |

## Na (SubTestCode 229) in the Dry Ash Property Groups — Data units: Percent

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.037 | 0.009 | 0.032 | 0.40 |
| Median Abs Dev | 0.004 | 0.001 | 0.002 | 0.03 |
| Avg Within Lab SD | 0.011 | 0.001 | 0.004 | 0.01 |
| Labs Included | 6 | 6 | 6 | 6 |
| Labs Reporting | 6 | 6 | 6 | 6 |

**Al (SubTestCode 230) in the Dry Ash Property Groups**  **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score |
|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|------------|---------|
| 3U6BYV | 105.0 | 0.18 | | 82.2 | 0.30 | | 52.8 | 0.33 | | 432.6 | 1.72 |
| 44YNNM | 94.8 | 0.78 | | 92.0 | 0.72 | | 73.6 | 1.53 | | 147.0 | 0.65 |
| 9D72ND | 124.6 | 1.82 | | 100.6 | 1.84 | | 87.9 | 1.25 | | 183.2 | 0.76 |
| EN39TB | 76.7 | 0.22 | | 57.5 | 0.01 | | 40.2 | 0.06 | | 116.7 | 0.25 |

**Al (SubTestCode 230) in the Dry Ash Property Groups**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---------|---------|---------|---------|---------|
| **Grand Median** | 99.9 | 87.1 | 63.2 | 165.1 |
| **Median Abs Dev** | | | | |
| **Avg Within Lab SD** | 8.9 | 14.4 | 8.1 | 9.3 |
| **Labs Included** | 4 | 4 | 4 | 4 |
| **Labs Reporting** | 4 | 4 | 4 | 4 |

## B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|------|---------|---------|------|---------|---------|------|---------|---------|------|---------|---------|
| 44YNNM | 23.4 | -0.02 | 0.98 | 102.3 | -0.61 | 1.66 | 143.1 | -0.57 | 1.42 | 43.8 | 0.62 | 1.67 |
| 9D72ND | 23.4 | 0.00 | 0.47 | 102.4 | -0.60 | 0.51 | 141.6 | -0.77 | 0.68 | 37.9 | -0.20 | 0.61 |
| DFEY7A | 29.0 | 2.06 | 1.12 | 107.3 | 0.22 | 1.22 | 152.0 | 0.58 | 0.83 | 46.7 | 1.02 | 0.89 |
| EN39TB | 25.4 | 0.71 | 0.34 | 110.6 | 0.76 | 0.62 | 151.9 | 0.57 | 0.66 | 39.4 | 0.00 | 0.33 |
| HGXCX4 | 26.8 | 1.26 | 0.88 | 116.0 | 1.64 | 1.02 | 155.0 | 0.97 | 1.04 | 45.9 | 0.91 | 1.16 |
| JXALTZ | 23.1 | -0.11 | 0.13 | 104.7 | -0.22 | 0.28 | 143.0 | -0.59 | 1.14 | 39.0 | -0.05 | |
| VCB32Y | 21.9 | -0.57 | 1.91 | 41.3 | -10.64**X** | 0.78 | 46.5 | -13.10**X** | 0.38 | 25.6 | -1.92 | 0.77 |

## B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---------|---------|---------|---------|---------|
| Grand Median | 23.4 | 106.0 | 147.5 | 39.4 |
| Median Abs Dev | 1.5 | 3.7 | 4.5 | 4.5 |
| Avg Within Lab SD | 0.9 | 2.1 | 3.2 | 1.3 |
| Labs Included | 7 | 6 | 6 | 7 |
| Labs Reporting | 7 | 7 | 7 | 7 |

## Zn (SubTestCode 232) in the Dry Ash Property Groups

Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|--------|---------|---------|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| 3U6BYV | 24.8 | -2.15 | 0.99 | | | | 34.1 | -2.27 | 0.71 | 14.3 | -2.64 | 0.34 |
| 9D72ND | 35.0 | -0.03 | 0.71 | 10.1 | -0.63 | 1.70 | 50.2 | 0.26 | 0.19 | 41.5 | -0.01 | 1.41 |
| DFEY7A | 35.3 | 0.03 | 1.02 | 12.0 | 0.32 | | 48.3 | -0.03 | 0.73 | 41.7 | 0.01 | 1.86 |
| EN39TB | 29.2 | -1.25 | 0.42 | 9.2 | -1.08 | 0.90 | 43.6 | -0.78 | 0.94 | 33.0 | -0.83 | 0.39 |
| HGXCX4 | 37.4 | 0.46 | 1.67 | 14.0 | 1.34 | 0.54 | 52.8 | 0.67 | 1.66 | 45.1 | 0.34 | 0.32 |
| JXALTZ | 35.7 | 0.12 | 0.71 | 11.4 | 0.00 | 0.09 | 48.7 | 0.03 | 1.14 | 43.9 | 0.22 | 0.43 |

## Zn (SubTestCode 232) in the Dry Ash Property Groups

Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---------|---------|---------|---------|---------|
| Grand Median | 35.2 | 11.4 | 48.5 | 41.6 |
| Median Abs Dev | 1.4 | 1.3 | 3.0 | 2.9 |
| Avg Within Lab SD | 0.6 | 0.6 | 0.8 | 0.8 |
| Labs Included | 6 | 5 | 6 | 6 |
| Labs Reporting | 6 | 5 | 6 | 6 |

**Mn (SubTestCode 233) in the Dry Ash Property Groups**      **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 46.9 | 1.69 | 0.52 | 35.5 | 2.38 | 1.21 | 52.9 | 2.29 | 1.48 | 75.7 | -0.16 | 0.91 |
| 9D72ND | 40.1 | -1.63 | 0.57 | 27.2 | -0.75 | 0.42 | 45.6 | -0.65 | 0.16 | 73.0 | -0.86 | 0.27 |
| DFEY7A | 43.3 | -0.06 | 1.24 | 28.3 | -0.33 | 1.22 | 46.3 | -0.36 | 1.80 | 77.0 | 0.16 | 1.55 |
| EN39TB | 43.6 | 0.06 | 0.85 | 29.9 | 0.26 | 0.67 | 48.7 | 0.60 | 0.32 | 73.9 | -0.62 | 0.53 |
| HGXCX4 | 42.8 | -0.32 | 1.61 | 28.8 | -0.17 | 1.41 | 47.4 | 0.07 | 0.54 | 80.9 | 1.14 | 1.50 |
| JXALTZ | 44.1 | 0.30 | 0.75 | 29.6 | 0.17 | 0.68 | 47.0 | -0.07 | 0.39 | 80.7 | 1.10 | 0.41 |

**Mn (SubTestCode 233) in the Dry Ash Property Groups**      **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 43.5 | 29.2 | 47.2 | 76.4 |
| **Median Abs Dev** | 0.6 | 0.8 | 1.2 | 2.9 |
| **Avg Within Lab SD** | 0.5 | 0.5 | 0.6 | 1.1 |
| **Labs Included** | 6 | 6 | 6 | 6 |
| **Labs Reporting** | 6 | 6 | 6 | 6 |

## Fe (SubTestCode 234) in the Dry Ash Property Groups
Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 9D72ND | 132.2 | -0.19 | 0.59 | 89.6 | 0.62 | 0.38 | 56.8 | -0.96 | 0.21 | 156.2 | 0.00 | 0.42 |
| DFEY7A | 133.0 | 0.07 | 1.06 | 85.0 | 0.00 | 0.73 | 62.0 | 0.90 | 0.65 | 157.0 | 0.10 | 0.62 |
| EN39TB | 133.4 | 0.20 | 0.27 | 83.4 | -0.21 | 0.32 | 59.5 | 0.00 | 0.11 | 143.0 | -1.69 | 0.21 |
| HGXCX4 | 132.8 | 0.00 | 1.86 | 78.6 | -0.87 | 2.04 | 61.0 | 0.53 | 2.12 | 150.6 | -0.72 | 2.06 |
| JXALTZ | 124.3 | -2.91 | 0.11 | 97.2 | 1.66 | 0.28 | 56.7 | -0.98 | 0.14 | 163.0 | 0.86 | 0.36 |

## Fe (SubTestCode 234) in the Dry Ash Property Groups
Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---------|---------|---------|---------|
| Grand Median | 132.8 | 85.0 | 59.5 | 156.2 |
| Median Abs Dev | 0.6 | 4.6 | 2.5 | 5.7 |
| Avg Within Lab SD | 5.2 | 5.0 | 5.5 | 4.8 |
| Labs Included | 5 | 5 | 5 | 5 |
| Labs Reporting | 5 | 5 | 5 | 5 |

## Cu (SubTestCode 235) in the Dry Ash Property Groups

Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3U6BYV | 7.17 | 0.87 | 0.54 | 7.51 | 1.64 | 0.49 | 17.57 | 1.86 | 1.89 | 8.86 | -0.86 | 0.67 |
| 9D72ND | 0.23 | -10.40X | 0.72 | 0.70 | -11.54X | 0.55 | 8.70 | -7.04X | 0.41 | 2.57 | -14.59X | 1.20 |
| DFEY7A | 6.63 | 0.00 | 0.47 | 6.67 | 0.00 | 0.63 | 16.60 | 0.89 | 0.15 | 9.33 | 0.17 | 1.08 |
| EN39TB | 6.01 | -1.02 | 0.48 | 6.55 | -0.23 | 0.52 | 15.38 | -0.34 | 0.44 | 8.28 | -2.12 | 0.31 |
| HGXCX4 | 6.22 | -0.68 | 2.05 | 6.54 | -0.24 | 2.02 | 15.71 | 0.00 | 1.03 | 9.36 | 0.22 | 1.77 |
| JXALTZ | 7.13 | 0.81 | 0.18 | 7.32 | 1.26 | 0.16 | 15.43 | -0.28 | 0.39 | 9.26 | 0.00 | 0.40 |

## Cu (SubTestCode 235) in the Dry Ash Property Groups

Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 6.63 | 6.67 | 15.7 | 9.26 |
| Median Abs Dev | 0.50 | 0.13 | 0.3 | 0.10 |
| Avg Within Lab SD | 0.32 | 0.18 | 0.6 | 0.27 |
| Labs Included | 5 | 5 | 5 | 5 |
| Labs Reporting | 6 | 6 | 6 | 6 |

**Mo (SubTestCode 236) in the Dry Ash Property Groups**  **Data units: mg/kg**

| WebCode | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 3U6BYV | **3.403** | 1.89 | | | | | **0.183** | 1.29 | | **0.800** | 0.93 | |
| 44YNNM | **0.067** | 0.02 | | **0.036** | | | **0.030** | | | **0.044** | 0.02 | |
| 9D72ND | **2.567** | 0.65 | | | | | | | | **0.567** | 1.73 | |
| EN39TB | **3.510** | 0.04 | | **0.024** | | 1.00 | **0.326** | 0.57 | | **1.814** | 0.39 | |

**Mo (SubTestCode 236) in the Dry Ash Property Groups**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 2.99 | 0.030 | 0.18 | 0.68 |
| **Median Abs Dev** | | | | |
| **Avg Within Lab SD** | 0.54 | 0.002 | 0.00 | 0.09 |
| **Labs Included** | 4 | 2 | 3 | 4 |
| **Labs Reporting** | 4 | 2 | 3 | 4 |

**As (SubTestCode 237) in the Heavy Metals Property Groups**                    **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44YNNM |  |  |  | 0.03 | -0.24 | 0.08 | 0.02 | -0.31 | 0.01 | 0.02 | -0.66 | 0.04 |
| CD7DRH | 0.07 | -0.01 | 0.01 | 0.06 | -0.22 | 0.01 | 0.13 | 0.00 | 0.07 | 0.32 | 0.00 | 0.02 |
| D7MPC7 | 2.51 | 3.13 | 2.96 | 2.31 | 1.82 | 2.66 | 5.83 | 16.03**X** | 120.68 | 7.04 | 15.15**X** | 55.42 |
| F673ZB | 0.39 | 0.40 | 0.02 | 0.50 | 0.19 | 0.27 | 0.38 | 0.69 | 0.71 | 0.48 | 0.36 | 0.52 |
| FEB6BA | 0.07 | -0.01 | 0.01 |  |  |  | 0.13 | 0.00 | 0.06 | 0.32 | 0.00 | 0.23 |
| HH9DJ3 | 0.08 | 0.00 | 0.01 | 0.11 | -0.17 | 0.04 | 0.13 | -0.01 | 0.16 | 0.32 | 0.01 | 0.04 |
| KF94C4 | 0.05 | -0.03 | 0.05 | 0.17 | -0.11 | 0.08 | 0.13 | 0.01 | 0.54 | 0.13 | -0.42 | 0.39 |
| P3TKWW | 0.26 | 0.23 | 0.50 | 0.42 | 0.11 | 0.76 | 0.27 | 0.38 | 2.63 | 0.45 | 0.30 | 2.75 |
| Y2X9YT | 1.82 | 2.24 | 0.12 | 3.12 | 2.55 | 0.50 | 1.79 | 4.68 | 1.11 | 2.21 | 4.27 | 0.96 |
| YL6GER | 0.06 | -0.02 | 0.01 |  |  |  | 0.13 | 0.00 | 0.00 | 0.29 | -0.05 | 0.09 |

**As (SubTestCode 237) in the Heavy Metals Property Groups**                    **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 0.079 | 0.30 | 0.13 | 0.32 |
| **Median Abs Dev** | 0.027 | 0.22 | 0.00 | 0.13 |
| **Avg Within Lab SD** | 0.434 | 0.19 | 0.05 | 0.06 |
| **Labs Included** | 9 | 8 | 9 | 9 |
| **Labs Reporting** | 9 | 8 | 10 | 10 |

**Ba (SubTestCode 238) in the Heavy Metals Property Groups**  **Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86VF6P | 39.0 | 0.29 | 0.33 | 217.2 | 0.33 | 0.74 | 22.4 | 0.33 | 0.46 | 17.3 | 0.07 | 0.25 |
| CD7DRH | 38.0 | 0.02 | 0.56 | 216.7 | 0.30 | 1.03 | 21.8 | 0.11 | 0.99 | 18.1 | 0.43 | 0.36 |
| D7MPC7 | 45.7 | 2.15 | 2.39 | 248.3 | 1.86 | 1.08 | 28.8 | 2.51 | 2.39 | 22.8 | 2.39 | 2.70 |
| FEB6BA | 38.3 | 0.09 | 1.12 | 212.7 | 0.11 | 0.63 | 21.5 | 0.03 | 0.38 | 18.2 | 0.45 | 0.45 |
| HH9DJ3 | 37.9 | -0.02 | 0.35 | 208.4 | -0.11 | 0.85 | 21.3 | -0.03 | 0.32 | 16.9 | -0.07 | 0.12 |
| P3TKWW | 34.4 | -0.98 | 0.22 | 196.8 | -0.68 | 0.05 | 19.6 | -0.65 | 0.09 | 16.7 | -0.17 | 0.06 |
| Y2X9YT | 32.6 | -1.48 | 0.18 | 179.8 | -1.52 | 0.97 | 17.2 | -1.46 | 0.29 | 13.7 | -1.41 | 0.11 |
| YL6GER | 36.7 | -0.36 | 0.64 | 200.7 | -0.49 | 1.78 | 20.6 | -0.28 | 0.88 | 16.1 | -0.40 | 0.55 |

**Ba (SubTestCode 238) in the Heavy Metals Property Groups**  **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 38.0 | 210.5 | 21.4 | 17.1 |
| Median Abs Dev | 1.2 | 8.3 | 0.9 | 1.0 |
| Avg Within Lab SD | 1.2 | 3.7 | 0.9 | 0.6 |
| Labs Included | 8 | 8 | 8 | 8 |
| Labs Reporting | 8 | 8 | 8 | 8 |

**Cd (SubTestCode 239) in the Heavy Metals Property Groups**   Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|
| 44YNNM | 0.007 | -6.81X | 0.24 | 0.011 | 0.00 | | 0.010 | -0.30 | | 0.008 | -9.79X | 0.24 |
| 86VF6P | 0.218 | 0.05 | 2.38 | 0.324 | 7.86X | 0.02 | 0.322 | 17.13X | 0.03 | 0.427 | -0.37 | 1.19 |
| CD7DRH | 0.203 | -0.46 | 0.31 | 0.008 | -0.09 | 0.01 | 0.012 | -0.16 | 0.03 | 0.429 | -0.33 | 0.14 |
| D7MPC7 | 0.289 | 2.34 | 1.60 | 0.091 | 2.02 | 1.98 | 0.063 | 2.64 | 2.84 | 0.615 | 3.86 | 2.68 |
| F673ZB | 0.287 | 2.26 | 0.67 | 0.100 | 2.24 | 0.31 | 0.068 | 2.93 | 0.63 | 0.443 | 0.00 | 0.97 |
| FEB6BA | 0.223 | 0.21 | 0.35 | | | | 0.014 | -0.06 | 0.10 | 0.486 | 0.97 | 0.45 |
| HH9DJ3 | 0.215 | -0.05 | 0.26 | 0.007 | -0.09 | 0.01 | 0.012 | -0.16 | 0.07 | 0.443 | 0.00 | 0.13 |
| KF94C4 | 0.219 | 0.06 | 0.38 | 0.012 | 0.03 | 0.09 | 0.016 | 0.06 | 0.18 | 0.463 | 0.43 | 0.16 |
| P3TKWW | 0.204 | -0.42 | 0.27 | 0.011 | -0.01 | 0.00 | 0.018 | 0.13 | 0.36 | 0.448 | 0.10 | 0.24 |
| Y2X9YT | 0.192 | -0.80 | 0.87 | 0.071 | 1.51 | 2.00 | 0.018 | 0.17 | 0.60 | 0.420 | -0.53 | 0.31 |
| YL6GER | 0.213 | -0.11 | 0.25 | 0.008 | -0.08 | 0.02 | 0.013 | -0.15 | 0.09 | 0.437 | -0.15 | 0.22 |

**Cd (SubTestCode 239) in the Heavy Metals Property Groups**   Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---------|---------|---------|---------|---------|
| **Grand Median** | 0.22 | 0.011 | 0.015 | 0.44 |
| **Median Abs Dev** | 0.01 | 0.003 | 0.003 | 0.02 |
| **Avg Within Lab SD** | 0.02 | 0.033 | 0.017 | 0.03 |
| **Labs Included** | 10 | 9 | 10 | 10 |
| **Labs Reporting** | 11 | 10 | 11 | 11 |

## Co (SubTestCode 240) in the Heavy Metals Property Groups
**Data units: mg/kg**

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3WWADT | 0.14 | 0.00 | 1.26 | 0.25 | 1.95 | 1.20 | 0.08 | 1.18 | 0.69 | 0.22 | 1.16 | 0.89 |
| 86VF6P | 0.14 | 0.10 | 1.40 | 0.09 | -0.04 | 0.75 | 0.04 | -0.06 | 0.40 | 0.18 | -0.02 | 1.84 |
| CD7DRH | 0.16 | 0.39 | 0.16 | 0.09 | -0.03 | 0.03 | 0.05 | 0.22 | 0.04 | 0.18 | -0.20 | 0.08 |
| D7MPC7 | 0.22 | 1.51 | 2.62 | 0.22 | 1.65 | 2.68 | -0.05 | -2.38 | 3.05 | 0.21 | 0.96 | 1.55 |
| F673ZB | 0.03 | -2.03 | 0.09 | 0.03 | -0.86 | 0.11 | 0.01 | -0.65 | 0.07 | 0.19 | 0.34 | 0.73 |
| FEB6BA | 0.13 | -0.09 | 0.05 | 0.10 | 0.08 | 0.22 | 0.04 | 0.11 | 0.03 | 0.18 | 0.02 | 0.04 |
| HH9DJ3 | 0.15 | 0.16 | 0.07 | 0.09 | -0.03 | 0.07 | 0.04 | 0.04 | 0.01 | 0.20 | 0.40 | 0.24 |
| P3TKWW | 0.08 | -1.10 | 0.36 | 0.08 | -0.16 | 0.44 | 0.02 | -0.44 | 0.13 | 0.15 | -1.16 | 0.83 |
| WHHYBQ | 0.08 | -0.99 | 0.25 | | | | | | | 0.12 | -2.11 | 1.46 |
| Y2X9YT | 0.19 | 0.99 | 0.58 | 0.24 | 1.91 | 0.75 | 0.10 | 1.62 | 0.21 | 0.32 | 4.78X | 0.29 |
| YL6GER | 0.13 | -0.06 | 0.09 | 0.10 | 0.03 | 0.11 | 0.04 | -0.04 | 0.07 | 0.17 | -0.36 | 0.17 |

## Co (SubTestCode 240) in the Heavy Metals Property Groups
**Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.14 | 0.09 | 0.038 | 0.18 |
| Median Abs Dev | 0.02 | 0.01 | 0.013 | 0.01 |
| Avg Within Lab SD | 0.06 | 0.05 | 0.083 | 0.03 |
| Labs Included | 11 | 10 | 10 | 10 |
| Labs Reporting | 11 | 10 | 10 | 11 |

**Ni (SubTestCode 241) in the Heavy Metals Property Groups**                    **Data units: mg/kg**

| | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 44YNNM | 0.06 | -5.42X | 0.01 | 0.02 | -13.01X | 0.14 | 0.01 | -8.22X | | 0.01 | -2.47 | |
| 86VF6P | 10.03 | 0.77 | 0.70 | 2.19 | 1.29 | 1.41 | 1.23 | 3.88 | 0.98 | 1.01 | -0.15 | 1.88 |
| CD7DRH | 8.54 | -0.15 | 0.03 | 1.80 | -1.27 | 1.04 | 0.79 | -0.42 | 0.16 | 1.27 | 0.44 | 0.28 |
| D7MPC7 | 12.49 | 2.31 | 1.89 | 2.22 | 1.46 | 1.75 | 0.72 | -1.16 | 2.89 | 1.20 | 0.27 | 1.11 |
| F673ZB | 7.19 | -0.99 | 0.11 | 1.98 | -0.13 | 0.48 | 0.84 | 0.00 | 0.05 | 0.40 | -1.56 | 0.63 |
| FEB6BA | 8.74 | -0.03 | 0.31 | 2.02 | 0.15 | 0.46 | 0.91 | 0.76 | 0.72 | 1.08 | 0.00 | 0.48 |
| HH9DJ3 | 9.22 | 0.27 | 0.70 | 1.93 | -0.47 | 1.02 | 0.82 | -0.16 | 0.01 | 1.41 | 0.77 | 0.24 |
| KF94C4 | 9.48 | 0.43 | 0.12 | 2.06 | 0.45 | 1.13 | 0.86 | 0.25 | 0.16 | 1.25 | 0.38 | 1.83 |
| P3TKWW | 8.75 | -0.02 | 0.17 | 1.91 | -0.56 | 0.14 | 0.83 | -0.06 | 0.05 | 1.34 | 0.61 | 0.19 |
| Y2X9YT | 7.48 | -0.81 | 0.62 | 1.87 | -0.83 | 1.00 | 0.84 | 0.00 | 0.19 | 0.76 | -0.73 | 0.49 |
| YL6GER | 8.78 | 0.00 | 0.46 | 2.02 | 0.13 | 0.27 | 0.84 | 0.07 | 0.21 | 1.07 | -0.03 | 0.93 |
| ZTKTVQ | 11.41 | 1.63 | 2.38 | | | | | | | | | |

**Ni (SubTestCode 241) in the Heavy Metals Property Groups**                    **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 8.78 | 2.00 | 0.84 | 1.08 |
| Median Abs Dev | 0.70 | 0.08 | 0.02 | 0.19 |
| Avg Within Lab SD | 0.82 | 0.04 | 0.12 | 0.10 |
| Labs Included | 11 | 10 | 10 | 11 |
| Labs Reporting | 12 | 11 | 11 | 11 |

**Pb (SubTestCode 242) in the Heavy Metals Property Groups** — Data units: mg/kg

| WebCode | SRB2309 Sample Mean | Z Score | k Score | SRB2310 Sample Mean | Z Score | k Score | SRB2311 Sample Mean | Z Score | k Score | SRB2312 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86VF6P | 1.08 | 2.97 | 0.00 | 1.08 | 1.91 | 0.01 | 1.07 | 2.03 | 0.00 | 1.06 | 3.82 | 0.01 |
| CD7DRH | 0.14 | -0.10 | 0.02 | 0.25 | -0.09 | 0.06 | 0.04 | -0.03 | 0.01 | 0.16 | -0.17 | 0.08 |
| D7MPC7 | 0.44 | 0.86 | 2.96 | 1.40 | 2.69 | 2.98 | 0.74 | 1.36 | 3.00 | 0.34 | 0.62 | 2.95 |
| F673ZB | 0.65 | 1.56 | 0.35 | 0.79 | 1.20 | 0.08 | 0.12 | 0.12 | 0.13 | 0.07 | -0.59 | 0.00 |
| FEB6BA | 0.16 | -0.05 | 0.05 | 0.29 | -0.01 | 0.02 | 0.05 | -0.02 | 0.03 | 0.18 | -0.11 | 0.09 |
| HH9DJ3 | 0.18 | 0.04 | 0.07 | 0.29 | 0.00 | 0.04 | 0.05 | -0.02 | 0.01 | 0.20 | 0.00 | 0.09 |
| KF94C4 | 0.17 | 0.00 | 0.22 | 0.32 | 0.07 | 0.16 | 0.07 | 0.02 | 0.15 | 0.15 | -0.25 | 0.04 |
| P3TKWW | 0.05 | -0.40 | 0.29 | 0.26 | -0.07 | 0.27 | 0.01 | -0.10 | 0.00 | 0.30 | 0.43 | 0.46 |
| Y2X9YT | 1.86 | 5.50**X** | 1.14 | 2.38 | 5.05**X** | 1.13 | 1.56 | 3.00 | 0.97 | 2.37 | 9.70**X** | 0.95 |
| YL6GER | 0.14 | -0.09 | 0.03 | 0.27 | -0.04 | 0.03 | 0.04 | -0.03 | 0.03 | 0.22 | 0.08 | 0.19 |

**Pb (SubTestCode 242) in the Heavy Metals Property Groups** — Data units: mg/kg

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| Grand Median | 0.17 | 0.29 | 0.058 | 0.20 |
| Median Abs Dev | 0.03 | 0.03 | 0.033 | 0.06 |
| Avg Within Lab SD | 0.17 | 0.19 | 0.165 | 0.11 |
| Labs Included | 9 | 9 | 10 | 9 |
| Labs Reporting | 10 | 10 | 10 | 10 |

**Sr (SubTestCode 243) in the Heavy Metals Property Groups**                    **Data units: mg/kg**

| | SRB2309 | | | SRB2310 | | | SRB2311 | | | SRB2312 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| **86VF6P** | **32.5** | 0.37 | 0.23 | **299.5** | 0.39 | 0.33 | **100.9** | 0.52 | 0.84 | **86.2** | 0.08 | 0.48 |
| **CD7DRH** | **31.3** | 0.00 | 1.67 | **292.3** | 0.17 | 1.55 | **94.9** | 0.00 | 0.71 | **85.3** | 0.00 | 1.24 |
| **D7MPC7** | **34.6** | 1.00 | 1.50 | **311.1** | 0.74 | 1.79 | **115.4** | 1.76 | 1.98 | **106.3** | 2.07 | 1.97 |
| **FEB6BA** | **32.1** | 0.24 | 1.25 | **299.7** | 0.39 | 0.98 | **99.5** | 0.39 | 0.82 | **90.3** | 0.49 | 0.38 |
| **HH9DJ3** | **30.8** | -0.14 | 0.63 | **246.8** | -1.21 | 0.97 | **93.8** | -0.10 | 0.60 | **84.4** | -0.09 | 0.30 |
| **P3TKWW** | **26.4** | -1.47 | 0.00 | **269.7** | -0.52 | 0.36 | **86.9** | -0.69 | 0.94 | **83.1** | -0.22 | 0.51 |
| **WHHYBQ** | **28.0** | -0.98 | 0.22 | **252.0** | -1.05 | 0.14 | **87.3** | -0.65 | 0.85 | **76.2** | -0.90 | 0.04 |
| **Y2X9YT** | **26.1** | -1.56 | 0.39 | **234.3** | -1.59 | 0.74 | **72.7** | -1.91 | 0.37 | **64.7** | -2.03 | 0.23 |
| **YL6GER** | **32.3** | 0.30 | 1.31 | **286.7** | 0.00 | 0.84 | **95.5** | 0.05 | 1.06 | **87.4** | 0.20 | 1.67 |

**Sr (SubTestCode 243) in the Heavy Metals Property Groups**                    **Data units: mg/kg**

| | SRB2309 | SRB2310 | SRB2311 | SRB2312 |
|---|---|---|---|---|
| **Grand Median** | 31.3 | 286.7 | 94.9 | 85.3 |
| **Median Abs Dev** | 1.2 | 17.0 | 6.0 | 2.2 |
| **Avg Within Lab SD** | 0.8 | 6.0 | 2.3 | 2.4 |
| **Labs Included** | 9 | 9 | 9 | 9 |
| **Labs Reporting** | 9 | 9 | 9 | 9 |

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**PH (SubTestCode 301)** — **Data units:**

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 8.16 | 0.10 | 0.83 | 8.76 | -0.06 | 1.63 | 8.26 | 0.24 | 1.80 |
| 44YNNM | 7.92 | -1.34 | 0.58 | 8.83 | 0.02 | 2.99 | 8.11 | -0.92 | 0.37 |
| 86VF6P | 8.21 | 0.43 | 0.35 | 8.81 | 0.00 | 0.33 | 8.29 | 0.50 | 0.99 |
| 8Q9F3N | 8.10 | -0.26 | 2.29 | 8.97 | 0.17 | 1.10 | 8.27 | 0.29 | 1.86 |
| 9D3RFD | 7.99 | -0.91 | 0.35 | 7.85 | -1.06 | 0.11 | 8.28 | 0.37 | 0.49 |
| CWMK4E | 8.16 | 0.12 | 0.12 | 9.09 | 0.31 | 0.08 | 8.22 | -0.06 | 0.29 |
| DFEY7A | 8.01 | -0.83 | 1.85 | 7.86 | -1.06 | 0.29 | 8.08 | -1.16 | 1.59 |
| F673ZB | 8.27 | 0.75 | 1.32 | 7.10 | -1.90 | 0.00 | 8.40 | 1.34 | 0.00 |
| GZQVCB | 8.16 | 0.08 | 0.95 | 8.00 | -0.90 | 0.04 | 8.45 | 1.71 | 0.37 |
| HH9DJ3 | 8.14 | 0.00 | 1.30 | 9.02 | 0.23 | 1.84 | 8.17 | -0.45 | 0.81 |
| JK7EW4 | 8.01 | -0.79 | 0.26 | 9.20 | 0.43 | 0.00 | 8.21 | -0.18 | 0.19 |
| JQCYVA | 7.73 | -2.49 | 1.06 | 7.95 | -0.95 | 0.15 | 8.03 | -1.60 | 0.93 |
| P3TKWW | 7.94 | -1.24 | 0.00 | 9.12 | 0.34 | 0.00 | 8.08 | -1.18 | 0.00 |
| QZA8GY | 8.21 | 0.43 | 0.26 | 9.42 | 0.68 | 0.19 | 8.23 | 0.00 | 0.32 |
| TQJCHV | 8.29 | 0.91 | 0.26 | 7.23 | -1.76 | 0.45 | 8.32 | 0.74 | 0.81 |
| TZUE4V | 8.22 | 0.47 | 0.83 | 9.42 | 0.68 | 0.35 | 8.23 | 0.03 | 1.78 |
| XKUFTU | 8.09 | -0.32 | 0.83 | 8.01 | -0.89 | 0.48 | 8.14 | -0.71 | 0.85 |

**PH (SubTestCode 301)** — **Data units:**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 8.14 | 8.81 | 8.23 |
| Median Abs Dev | 0.08 | 0.61 | 0.06 |
| Avg Within Lab SD | 0.04 | 0.14 | 0.03 |
| Labs Included | 17 | 17 | 17 |
| Labs Reporting | 17 | 17 | 17 |

## EC (SubTestCode 302)  Data units: dS/m

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.81 | 0.00 | 0.28 | 0.59 | 0.11 | 0.87 | 0.92 | -0.01 | 0.19 |
| 44YNNM | 0.80 | -0.31 | 0.94 | 0.58 | -0.04 | 1.24 | 0.91 | -0.40 | 0.82 |
| 86VF6P | 0.81 | 0.00 | 0.16 | 0.58 | 0.00 | 0.21 | 0.92 | 0.15 | 0.05 |
| 8Q9F3N | 0.83 | 0.57 | 1.36 | 0.59 | 0.38 | 0.87 | 0.92 | 0.01 | 0.56 |
| 9D3RFD | 0.81 | -0.05 | 0.41 | 0.58 | 0.00 | 0.43 | 0.90 | -0.81 | 0.09 |
| CWMK4E | 0.79 | -0.68 | 0.29 | 0.57 | -0.66 | 0.33 | 0.89 | -1.23 | 0.08 |
| DFEY7A | 0.81 | 0.09 | 0.94 | 0.59 | 0.40 | 0.00 | 0.92 | 0.04 | 0.00 |
| F673ZB | 0.08 | -29.28X | 0.00 | 0.05 | -35.97X | 0.00 | 0.09 | -36.83X | 0.00 |
| GZQVCB | 0.83 | 0.76 | 1.64 | 0.59 | 0.63 | 1.24 | 0.94 | 1.08 | 0.47 |
| HH9DJ3 | 0.84 | 1.03 | 1.33 | 0.60 | 0.88 | 1.72 | 0.94 | 0.86 | 0.60 |
| JK7EW4 | 0.78 | -1.11 | 0.94 | 0.58 | -0.04 | 1.24 | 0.92 | -0.10 | 0.94 |
| JQCYVA | 0.12 | -27.77X | 0.19 | 0.58 | -0.46 | 0.18 | 0.87 | -2.00 | 0.39 |
| P3TKWW | 0.81 | 0.05 | 0.09 | 0.58 | -0.25 | 0.12 | 0.92 | 0.10 | 0.09 |
| QZA8GY | 0.78 | -1.28 | 1.71 | 0.57 | -0.92 | 0.62 | 0.92 | -0.15 | 3.42 |
| TQJCHV | 0.86 | 1.99 | 0.25 | 0.63 | 3.01 | 0.25 | 0.95 | 1.58 | 0.21 |
| TZUE4V | 0.82 | 0.54 | 0.01 | 0.60 | 0.94 | 0.01 | 0.93 | 0.37 | 0.01 |
| XKUFTU | 0.77 | -1.64 | 1.64 | 0.55 | -2.07 | 2.48 | 0.88 | -1.88 | 1.25 |

## EC (SubTestCode 302)  Data units: dS/m

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 0.81 | 0.58 | 0.92 |
| Median Abs Dev | 0.01 | 0.01 | 0.01 |
| Avg Within Lab SD | 0.01 | 0.00 | 0.01 |
| Labs Included | 15 | 16 | 16 |
| Labs Reporting | 17 | 17 | 17 |

**Ca (SubTestCode 303) in the Cations Property Groups**  **Data units: mmolc/L**

| | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 3.16 | 0.39 | 2.16 | 2.77 | 0.27 | 1.93 | 5.71 | 0.62 | 2.07 |
| 44YNNM | 3.02 | 0.15 | 0.54 | 2.66 | 0.02 | 0.42 | 5.37 | 0.14 | 0.67 |
| 86VF6P | 3.00 | 0.10 | 0.19 | 2.65 | 0.00 | 0.00 | 5.22 | -0.07 | 0.25 |
| 8Q9F3N | 3.10 | 0.29 | 1.09 | 2.65 | 0.00 | 0.80 | 5.29 | 0.02 | 0.79 |
| CABJUG | 1.41 | -2.75 | 0.55 | 1.50 | -2.65 | 0.66 | 2.65 | -3.70 | 0.36 |
| CWMK4E | 2.85 | -0.16 | 0.09 | 2.44 | -0.49 | 0.91 | 5.08 | -0.26 | 0.52 |
| DFEY7A | 2.83 | -0.19 | 1.03 | 2.23 | -0.97 | 0.92 | 4.83 | -0.62 | 0.51 |
| F673ZB | 2.97 | 0.05 | 0.00 | 2.64 | -0.02 | 0.00 | 5.29 | 0.03 | 0.00 |
| GZQVCB | 3.54 | 1.08 | 1.87 | 3.12 | 1.09 | 0.56 | 6.28 | 1.43 | 0.36 |
| HH9DJ3 | 3.04 | 0.18 | 0.50 | 2.71 | 0.13 | 1.61 | 5.33 | 0.08 | 0.78 |
| JK7EW4 | 2.60 | -0.61 | 1.87 | 2.34 | -0.73 | 1.20 | 4.64 | -0.89 | 2.07 |
| JQCYVA | 0.58 | -4.25 | 0.14 | 3.98 | 3.06 | 1.90 | 7.08 | 2.56 | 1.27 |
| P3TKWW | 2.91 | -0.05 | 0.14 | 2.54 | -0.26 | 0.08 | 5.20 | -0.10 | 0.10 |
| QZA8GY | 5.95 | 5.42X | 0.55 | 5.13 | 5.71X | 0.66 | 10.71 | 7.68X | 0.41 |
| TQJCHV | 2.87 | -0.12 | 0.72 | 2.80 | 0.33 | 0.80 | 5.32 | 0.07 | 1.76 |
| TZUE4V | 3.12 | 0.33 | 0.64 | 2.82 | 0.38 | 0.80 | 5.25 | -0.02 | 0.10 |
| XKUFTU | 2.90 | -0.08 | 0.52 | 2.49 | -0.38 | 0.24 | 5.14 | -0.18 | 0.36 |

**Ca (SubTestCode 303) in the Cations Property Groups**  **Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 2.94 | 2.65 | 5.27 |
| Median Abs Dev | 0.10 | 0.16 | 0.11 |
| Avg Within Lab SD | 0.06 | 0.06 | 0.11 |
| Labs Included | 16 | 16 | 16 |
| Labs Reporting | 17 | 17 | 17 |

**Mg (SubTestCode 304) in the Cations Property Groups**

Data units: mmolc/L

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 2.38 | 1.92 | 1.88 | 0.25 | 0.31 | 0.95 | 4.72 | 1.75 | 1.58 |
| 44YNNM | 2.25 | 0.78 | 0.82 | 0.16 | -0.49 | 0.05 | 4.39 | 0.81 | 0.69 |
| 86VF6P | 2.11 | -0.39 | 0.19 | 0.17 | -0.38 | 0.10 | 4.12 | 0.00 | 0.06 |
| 8Q9F3N | 2.23 | 0.62 | 1.34 | 0.17 | -0.37 | 0.00 | 4.15 | 0.09 | 0.97 |
| CABJUG | 0.36 | -15.24X | 0.09 | 0.75 | 4.79 | 0.32 | 1.95 | -6.33X | 0.26 |
| CWMK4E | 2.06 | -0.81 | 0.70 | 0.22 | 0.11 | 0.62 | 3.81 | -0.88 | 1.64 |
| DFEY7A | 2.13 | -0.17 | 1.32 | 0.30 | 0.79 | 0.00 | 4.10 | -0.05 | 1.16 |
| F673ZB | 2.10 | -0.46 | 0.00 | 0.16 | -0.42 | 0.00 | 4.11 | -0.01 | 0.00 |
| GZQVCB | 2.38 | 1.92 | 0.83 | 0.22 | 0.11 | 0.36 | 4.75 | 1.84 | 0.87 |
| HH9DJ3 | 2.18 | 0.21 | 0.63 | 0.20 | -0.13 | 0.38 | 4.22 | 0.31 | 0.77 |
| JK7EW4 | 2.09 | -0.56 | 1.92 | 0.26 | 0.46 | 2.36 | 3.85 | -0.77 | 1.74 |
| JQCYVA | 0.10 | -17.39X | 0.18 | 1.50 | 11.52X | 2.95 | 3.25 | -2.53 | 1.20 |
| P3TKWW | 2.14 | -0.09 | 0.30 | 0.17 | -0.40 | 0.06 | 4.20 | 0.23 | 0.06 |
| QZA8GY | 4.15 | 16.95X | 0.53 | | | | 7.93 | 11.17X | 0.13 |
| TQJCHV | 2.16 | 0.09 | 0.87 | 0.21 | 0.00 | 2.09 | 4.15 | 0.11 | 0.89 |
| TZUE4V | 2.17 | 0.11 | 0.26 | 0.28 | 0.58 | 0.95 | 4.01 | -0.30 | 0.13 |
| XKUFTU | 2.00 | -1.30 | 0.23 | 0.12 | -0.78 | 1.57 | 3.97 | -0.43 | 0.61 |

**Mg (SubTestCode 304) in the Cations Property Groups**

Data units: mmolc/L

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 2.15 | 0.21 | 4.12 |
| Median Abs Dev | 0.06 | 0.04 | 0.10 |
| Avg Within Lab SD | 0.04 | 0.02 | 0.09 |
| Labs Included | 14 | 15 | 15 |
| Labs Reporting | 17 | 16 | 17 |

**Na (SubTestCode 305) in the Cations Property Groups**  Data units: mmolc/L

| WebCode | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 3.72 | 1.06 | 0.79 | 2.81 | 1.68 | 1.66 | 1.05 | 1.10 | 0.70 |
| 44YNNM | 3.50 | 0.24 | 0.41 | 2.61 | 0.67 | 0.35 | 0.99 | 0.47 | 0.06 |
| 86VF6P | 3.45 | 0.08 | 0.40 | 2.49 | 0.06 | 0.11 | 0.94 | -0.10 | 0.07 |
| 8Q9F3N | 3.63 | 0.73 | 0.14 | 2.63 | 0.74 | 0.23 | 0.99 | 0.42 | 0.32 |
| CABJUG | 3.31 | -0.42 | 0.28 | 2.48 | 0.00 | 0.07 | 0.98 | 0.36 | 0.15 |
| CWMK4E | 2.52 | -3.31 | 1.03 | 2.65 | 0.83 | 1.31 | 0.92 | -0.22 | 0.36 |
| DFEY7A | 3.13 | -1.07 | 1.09 | 2.13 | -1.74 | 1.04 | 0.77 | -1.85 | 0.80 |
| F673ZB | 3.31 | -0.44 | 0.00 | 2.39 | -0.44 | 0.00 | 0.94 | -0.11 | 0.00 |
| GZQVCB | 3.37 | -0.22 | 0.53 | 2.44 | -0.22 | 0.58 | 0.96 | 0.14 | 0.37 |
| HH9DJ3 | 3.96 | 1.94 | 3.41 | 2.95 | 2.38 | 3.13 | 1.23 | 2.92 | 3.88 |
| JK7EW4 | 3.48 | 0.19 | 0.51 | 2.46 | -0.10 | 0.16 | 0.94 | -0.06 | 0.28 |
| JQCYVA | 0.51 | -10.61X | 0.02 | 1.34 | -5.74X | 0.40 | 0.68 | -2.79 | 0.10 |
| P3TKWW | 3.27 | -0.56 | 0.08 | 2.40 | -0.42 | 0.04 | 0.95 | 0.00 | 0.01 |
| QZA8GY | 3.44 | 0.05 | 0.11 | 2.48 | 0.00 | 0.16 | 0.94 | -0.10 | 0.08 |
| TQJCHV | 3.48 | 0.18 | 0.66 | 2.70 | 1.09 | 0.05 | 0.95 | 0.03 | 0.47 |
| TZUE4V | 3.41 | -0.05 | 0.11 | 2.47 | -0.03 | 0.10 | 0.99 | 0.49 | 0.08 |
| XKUFTU | 3.36 | -0.24 | 0.30 | 2.40 | -0.38 | 0.23 | 0.92 | -0.30 | 0.29 |

**Na (SubTestCode 305) in the Cations Property Groups**  Data units: mmolc/L

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 3.43 | 2.48 | 0.95 |
| Median Abs Dev | 0.09 | 0.09 | 0.03 |
| Avg Within Lab SD | 0.14 | 0.11 | 0.07 |
| Labs Included | 16 | 16 | 17 |
| Labs Reporting | 17 | 17 | 17 |

## K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

| WebCode | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 44YNNM | 0.15 | -1.79 | 0.28 | 0.20 | -1.20 | 0.42 | 0.04 | -1.94 | 0.16 |
| 86VF6P | 0.16 | -0.70 | 0.09 | 0.21 | -0.11 | 0.16 | 0.06 | -0.41 | 0.10 |
| 8Q9F3N | 0.18 | 0.65 | 2.96 | 0.22 | 0.70 | 2.73 | 0.07 | -0.24 | 2.75 |
| CABJUG | 0.17 | 0.21 | 0.22 | 0.23 | 1.53 | 1.07 | 0.07 | 0.19 | 0.22 |
| CWMK4E | 0.19 | 1.50 | 0.79 | 0.21 | 0.11 | 0.49 | 0.05 | -1.33 | 0.91 |
| DFEY7A | 0.18 | 0.91 | 0.86 | 0.22 | 0.43 | 0.91 | 0.07 | 0.24 | 1.04 |
| F673ZB | 0.17 | 0.18 | 0.00 | 0.20 | -0.55 | 0.00 | 0.08 | 0.49 | 0.00 |
| GZQVCB | 0.17 | -0.13 | 0.00 | 0.21 | -0.11 | 0.00 | 0.07 | -0.24 | 1.04 |
| HH9DJ3 | 0.41 | 18.77X | 50.40 | 0.38 | 14.00X | 35.49 | 0.22 | 10.67X | 35.37 |
| JK7EW4 | 0.16 | -1.17 | 1.71 | 0.19 | -1.47 | 0.91 | 0.07 | 0.00 | 1.80 |
| JQCYVA | 0.03 | -11.11X | 0.23 | 0.12 | -7.37X | 0.10 | 0.12 | 3.85 | 0.30 |
| P3TKWW | 0.18 | 0.58 | 0.19 | 0.22 | 0.95 | 0.22 | 0.07 | 0.09 | 0.01 |
| QZA8GY | 0.17 | -0.13 | 0.00 | 0.21 | 0.16 | 0.91 | 0.07 | 0.00 | 0.00 |
| TQJCHV | 0.16 | -1.24 | 0.17 | 0.20 | -1.03 | 0.90 | 0.06 | -0.40 | 0.26 |
| TZUE4V | 0.17 | 0.13 | 0.86 | 0.22 | 0.43 | 0.91 | | | |
| XKUFTU | 0.17 | -0.13 | 0.00 | 0.20 | -0.65 | 0.91 | 0.07 | 0.00 | 0.00 |

## K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 0.17 | 0.21 | 0.070 |
| Median Abs Dev | 0.01 | 0.01 | 0.003 |
| Avg Within Lab SD | 0.01 | 0.01 | 0.006 |
| Labs Included | 14 | 14 | 14 |
| Labs Reporting | 16 | 16 | 15 |

**NH4-N (SubTestCode 307) in the Cations Property Groups**                                    **Data units: mmolc/L**

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---------|---------------------|---------|---------|---------------------|---------|---------|---------------------|---------|---------|
| **44YNNM** | **0.088** | 1.77 | | **0.088** | 1.49 | | **0.083** | 2.36 | 0.81 |
| **86VF6P** | **0.001** | 0.08 | | **0.002** | 0.01 | | **0.001** | -0.19 | 0.16 |
| **F673ZB** | **0.017** | 0.00 | | **0.022** | 0.00 | | **0.028** | 0.64 | 0.00 |
| **GZQVCB** | | | | | | | **2.143** | 65.96**X** | 9.18 |
| **HH9DJ3** | **0.008** | 0.92 | | **0.006** | 1.34 | | **0.007** | 0.00 | 2.08 |
| **P3TKWW** | | | | | | | **0.001** | -0.18 | 0.00 |

**NH4-N (SubTestCode 307) in the Cations Property Groups**                                    **Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---------|---------|---------|
| **Grand Median** | 0.012 | 0.014 | 0.007 |
| **Median Abs Dev** | | | 0.006 |
| **Avg Within Lab SD** | 0.006 | 0.004 | 0.003 |
| **Labs Included** | 4 | 4 | 5 |
| **Labs Reporting** | 4 | 4 | 6 |

**Sum Cations (SubTestCode 308) in the Cations Property Groups**  **Data units: mmolc/L**

| WebCode | SRW2307 Sample Mean | SRW2307 Z Score | SRW2307 k Score | SRW2308 Sample Mean | SRW2308 Z Score | SRW2308 k Score | SRW2309 Sample Mean | SRW2309 Z Score | SRW2309 k Score |
|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
| 44YNNM | 8.91 | 0.00 | 0.33 | 5.63 | -0.40 | 0.20 | 10.80 | 0.21 | 0.45 |
| 8Q9F3N | 9.18 | 0.44 | 0.30 | 5.80 | 0.00 | 0.29 | 10.53 | 0.00 | 0.56 |
| GZQVCB | 9.46 | 0.91 | 0.02 | 5.99 | 0.44 | 0.14 | 14.20 | 2.93 | 0.15 |
| HH9DJ3 | 9.60 | 1.15 | 2.45 | 6.25 | 1.03 | 2.58 | 11.00 | 0.37 | 1.78 |
| JK7EW4 | 8.32 | -0.99 | 0.73 | 5.24 | -1.28 | 0.34 | 9.50 | -0.82 | 1.41 |
| P3TKWW | 1.70 | -12.10**X** | 0.02 | 1.06 | -10.87**X** | 0.01 | 2.08 | -6.75**X** | 0.01 |
| TQJCHV | 8.67 | -0.41 | 0.50 | 5.90 | 0.24 | 0.18 | 10.50 | -0.03 | 1.04 |
| XKUFTU | 8.43 | -0.81 | 0.20 | 5.22 | -1.33 | 0.16 | 10.09 | -0.35 | 0.48 |

**Sum Cations (SubTestCode 308) in the Cations Property Groups**  **Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---------|---------|---------|
| **Grand Median** | 8.91 | 5.80 | 10.5 |
| **Median Abs Dev** | 0.48 | 0.19 | 0.4 |
| **Avg Within Lab SD** | 0.34 | 0.24 | 0.3 |
| **Labs Included** | 7 | 7 | 7 |
| **Labs Reporting** | 8 | 8 | 8 |

**SAR (SubTestCode 309) in the Cations Property Groups**                    **Data units:**

| WebCode | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 8Q9F3N | **2.22** | 0.54 | 0.64 | **2.21** | 0.50 | 0.50 | **0.45** | 0.74 | 0.51 |
| DFEY7A | **2.00** | -1.28 | 2.12 | **1.93** | -1.41 | 2.28 | **0.37** | -2.01 | 2.54 |
| GZQVCB | **1.96** | -1.64 | 0.80 | **1.89** | -1.74 | 0.99 | **0.41** | -0.74 | 0.67 |
| JK7EW4 | **2.27** | 0.98 | 0.80 | **2.16** | 0.20 | 1.09 | **0.45** | 0.74 | 0.25 |
| P3TKWW | **2.06** | -0.78 | 0.09 | **2.06** | -0.51 | 0.07 | **0.44** | 0.20 | 0.03 |
| QZA8GY | **2.16** | 0.04 | 0.00 | **2.19** | 0.38 | 0.20 | **0.43** | 0.00 | 0.00 |
| TQJCHV | **2.17** | 0.10 | 1.22 | **2.20** | 0.45 | 0.00 | **0.40** | -0.95 | 0.00 |
| XKUFTU | **2.15** | -0.04 | 0.56 | **2.11** | -0.20 | 0.57 | **0.43** | 0.00 | 0.88 |

**SAR (SubTestCode 309) in the Cations Property Groups**                    **Data units:**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| **Grand Median** | 2.16 | 2.14 | 0.43 |
| **Median Abs Dev** | 0.08 | 0.07 | 0.02 |
| **Avg Within Lab SD** | 0.05 | 0.05 | 0.02 |
| **Labs Included** | 8 | 8 | 8 |
| **Labs Reporting** | 8 | 8 | 8 |

**Adj-SAR (SubTestCode 310) in the Cations Property Groups** **Data units:**

| | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 8Q9F3N | **4.34** | 0.58 | | **2.07** | 1.06 | | **1.14** | 0.47 | |
| DFEY7A | **2.20** | 1.43 | | **1.03** | 1.36 | | **0.47** | 1.31 | |
| XKUFTU | **3.95** | 0.79 | | **2.12** | 0.19 | | **1.03** | 1.03 | |

**Adj-SAR (SubTestCode 310) in the Cations Property Groups** **Data units:**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| **Grand Median** | 3.95 | 2.07 | 1.03 |
| **Median Abs Dev** | | | |
| **Avg Within Lab SD** | 0.07 | 0.21 | 0.04 |
| **Labs Included** | 3 | 3 | 3 |
| **Labs Reporting** | 3 | 3 | 3 |

**HCO3 (SubTestCode 311) in the Anions Property Groups**  **Data units: mmolc/L**

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 44YNNM | 3.51 | 0.61 | 1.16 | 0.46 | 0.90 | 0.69 | 7.43 | 0.59 | 0.59 |
| 8Q9F3N | 2.72 | -1.65 | 0.37 | 0.23 | -0.52 | 1.50 | 5.92 | -1.78 | 0.17 |
| DFEY7A | 3.60 | 0.86 | 2.57 | 0.33 | 0.12 | 2.61 | 7.33 | 0.44 | 1.84 |
| F673ZB | 3.46 | 0.45 | 0.00 | 0.46 | 0.92 | 0.00 | 7.54 | 0.77 | 0.00 |
| GZQVCB | 3.27 | -0.10 | 0.74 | 0.20 | -0.73 | 0.00 | 6.93 | -0.18 | 2.43 |
| HH9DJ3 | 3.23 | -0.20 | 0.21 | 0.31 | -0.06 | 0.57 | 6.98 | -0.11 | 0.60 |
| JK7EW4 | 3.12 | -0.51 | 0.41 | 0.14 | -1.12 | 0.39 | 6.67 | -0.60 | 0.44 |
| JQCYVA | 0.77 | -7.27**X** | 0.09 | 5.27 | 31.62**X** | 0.53 | 4.55 | -3.91**X** | 0.19 |
| P3TKWW | 3.30 | 0.00 | 0.00 | 0.10 | -1.37 | 0.00 | 7.05 | 0.00 | 0.00 |
| QZA8GY | 3.91 | 1.74 | 0.83 | 0.35 | 0.24 | 0.85 | 8.28 | 1.93 | 0.21 |
| TQJCHV | 3.02 | -0.81 | 0.15 | 0.32 | 0.00 | 0.25 | 6.49 | -0.88 | 0.74 |
| XKUFTU | 3.47 | 0.48 | 1.20 | 0.54 | 1.44 | 0.45 | 7.14 | 0.15 | 0.44 |

**HCO3 (SubTestCode 311) in the Anions Property Groups**  **Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| **Grand Median** | 3.30 | 0.32 | 7.05 |
| **Median Abs Dev** | 0.18 | 0.11 | 0.38 |
| **Avg Within Lab SD** | 0.08 | 0.04 | 0.13 |
| **Labs Included** | 11 | 11 | 11 |
| **Labs Reporting** | 12 | 12 | 12 |

## CO3 (SubTestCode 312) in the Anions Property Groups — Data units: mmolc/L

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 44YNNM | | | | 0.08 | -0.82 | | | | |
| 8Q9F3N | | | | 0.22 | 0.33 | 1.99 | | | |
| GZQVCB | | | | 6.00 | 47.87X | | | | |
| HH9DJ3 | | | | 0.05 | -1.07 | 0.11 | | | |
| JK7EW4 | | | | 0.18 | 0.00 | 0.20 | | | |
| P3TKWW | | | | 0.32 | 1.15 | 0.00 | 0.05 | | 1.00 |

## CO3 (SubTestCode 312) in the Anions Property Groups — Data units: mmolc/L

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | | 0.18 | 0.050 |
| Median Abs Dev | | 0.10 | |
| Avg Within Lab SD | 0.00 | 0.09 | 0.000 |
| Labs Included | 0 | 5 | 1 |
| Labs Reporting | 0 | 6 | 1 |

**Cl (SubTestCode 313) in the Anions Property Groups**  **Data units: mmolc/L**

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 0.26 | -1.26 | 0.23 | 1.17 | -0.26 | 0.84 | 0.33 | -1.07 | 1.31 |
| 44YNNM | 0.33 | -0.26 | 0.28 | 1.17 | -0.26 | 0.13 | 0.41 | -0.20 | 0.18 |
| 86VF6P | 0.33 | -0.27 | 0.16 | 1.22 | -0.06 | 0.41 | 0.43 | -0.05 | 0.47 |
| 8Q9F3N | 0.35 | -0.05 | 0.13 | 1.33 | 0.42 | 0.43 | 0.44 | 0.05 | 0.30 |
| CWMK4E | 0.36 | 0.19 | 0.88 | 1.23 | 0.00 | 0.61 | 0.45 | 0.16 | 1.67 |
| DFEY7A | 0.28 | -0.93 | 0.27 | 1.32 | 0.41 | 0.29 | 0.41 | -0.20 | 1.97 |
| F673ZB | 0.42 | 1.02 | 0.00 | 1.64 | 1.77 | 0.00 | 0.59 | 1.76 | 0.00 |
| GZQVCB | 0.36 | 0.14 | 0.00 | 2.20 | 4.24 | 0.92 | 0.45 | 0.16 | 0.30 |
| HH9DJ3 | 0.42 | 1.01 | 3.64 | 1.22 | -0.04 | 1.40 | 0.39 | -0.47 | 2.21 |
| JK7EW4 | 0.35 | 0.00 | 0.61 | 1.30 | 0.32 | 0.58 | 0.44 | 0.13 | 1.31 |
| JQCYVA | 0.29 | -0.78 | 0.01 | 0.10 | -4.93X | 0.00 | 0.25 | -1.98 | 0.05 |
| P3TKWW | 0.42 | 1.02 | 0.00 | 1.37 | 0.60 | 0.00 | 0.52 | 0.99 | 0.00 |
| QZA8GY | 0.29 | -0.91 | 0.16 | 1.22 | -0.06 | 0.08 | 0.36 | -0.75 | 0.30 |
| TQJCHV | 0.48 | 1.77 | 0.55 | 1.20 | -0.12 | 2.98 | 0.44 | 0.08 | 0.22 |
| TZUE4V | 0.39 | 0.51 | 0.13 | 1.36 | 0.58 | 0.57 | 0.48 | 0.56 | 0.30 |
| XKUFTU | | | | 1.01 | -0.98 | 1.05 | 0.23 | -2.17 | 0.60 |

**Cl (SubTestCode 313) in the Anions Property Groups**  **Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 0.35 | 1.23 | 0.43 |
| Median Abs Dev | 0.06 | 0.07 | 0.03 |
| Avg Within Lab SD | 0.04 | 0.07 | 0.02 |
| Labs Included | 15 | 15 | 16 |
| Labs Reporting | 15 | 16 | 16 |

## NO3 (SubTestCode 314) in the Anions Property Groups

**Data units: mmolc/L**

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | **0.014** | 0.00 | 0.11 | **0.008** | -0.11 | 0.12 | **1.423** | -0.73 | 0.84 |
| 44YNNM | **0.011** | -0.19 | 0.23 | **0.004** | -0.37 | 0.38 | **1.601** | -0.04 | 2.17 |
| 86VF6P | **0.014** | 0.00 | 0.00 | **0.007** | -0.17 | 0.12 | **1.863** | 0.99 | 1.09 |
| 8Q9F3N | **0.020** | 0.37 | 0.00 | **0.010** | 0.00 | 0.00 | **1.697** | 0.34 | 0.47 |
| CABJUG | **0.009** | -0.29 | 0.00 | **0.011** | 0.05 | 0.01 | **0.406** | -4.72 | 0.02 |
| CWMK4E | **0.015** | 0.07 | 0.06 | **0.004** | -0.41 | 0.19 | **1.611** | 0.00 | 0.46 |
| DFEY7A | **0.003** | -0.65 | 0.06 | | | | **1.367** | -0.96 | 1.07 |
| F673ZB | **0.014** | 0.02 | 0.00 | **0.011** | 0.05 | 0.00 | **1.643** | 0.13 | 0.00 |
| GZQVCB | **0.010** | -0.24 | 0.00 | **0.010** | 0.00 | 0.00 | **1.647** | 0.14 | 0.47 |
| HH9DJ3 | **0.028** | 0.84 | 0.04 | **0.022** | 0.76 | 0.13 | **1.436** | -0.69 | 1.66 |
| JK7EW4 | **0.113** | 6.06 | 3.59 | **0.110** | 6.35 | 3.55 | **1.520** | -0.36 | 0.49 |
| JQCYVA | **0.172** | 9.66X | 0.02 | **0.293** | 17.97X | 0.23 | **0.095** | -5.93X | 0.00 |
| P3TKWW | **0.014** | 0.00 | 0.06 | **0.005** | -0.30 | 0.02 | **1.586** | -0.10 | 0.09 |
| QZA8GY | | | | | | | **3.287** | 6.56X | 0.57 |
| TQJCHV | **0.013** | -0.05 | 0.19 | **0.010** | 0.00 | 0.00 | **1.637** | 0.10 | 1.06 |
| TZUE4V | | | | | | | **1.703** | 0.36 | 1.49 |
| XKUFTU | | | | **0.013** | 0.21 | 0.43 | **1.733** | 0.48 | 0.54 |

## NO3 (SubTestCode 314) in the Anions Property Groups

**Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| **Grand Median** | 0.014 | 0.010 | 1.61 |
| **Median Abs Dev** | 0.003 | 0.003 | 0.09 |
| **Avg Within Lab SD** | 0.009 | 0.005 | 0.05 |
| **Labs Included** | 13 | 13 | 15 |
| **Labs Reporting** | 14 | 14 | 17 |

## SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---|---|---|---|---|---|---|---|---|---|
| 2HGXCL | 5.27 | 0.59 | 2.36 | 4.03 | 0.57 | 1.49 | 0.98 | 0.17 | 1.16 |
| 44YNNM | 4.68 | -0.22 | 0.32 | 3.54 | -0.35 | 0.18 | 0.92 | -0.22 | 0.21 |
| 86VF6P | 5.01 | 0.24 | 0.06 | 3.79 | 0.13 | 0.14 | 0.95 | -0.05 | 0.06 |
| 8Q9F3N | 4.56 | -0.39 | 0.79 | 3.59 | -0.25 | 1.47 | 1.00 | 0.27 | 2.72 |
| DFEY7A | 4.51 | -0.45 | 0.30 | 3.45 | -0.51 | 0.11 | 0.93 | -0.14 | 0.68 |
| F673ZB | 1.55 | -4.51 | 0.00 | 1.17 | -4.78 | 0.00 | | | |
| GZQVCB | 5.90 | 1.46 | 0.23 | 4.36 | 1.20 | 0.78 | 1.16 | 1.23 | 0.52 |
| HH9DJ3 | 4.84 | 0.00 | 1.56 | 3.75 | 0.05 | 1.39 | 1.01 | 0.36 | 0.33 |
| JK7EW4 | 4.86 | 0.03 | 0.78 | 3.78 | 0.11 | 1.23 | 0.97 | 0.11 | 1.20 |
| JQCYVA | 0.11 | -6.49X | 0.02 | 0.70 | -5.65X | 0.03 | 5.63 | 27.43X | 1.13 |
| P3TKWW | 4.91 | 0.09 | 0.10 | 3.72 | 0.00 | 0.05 | 0.95 | 0.00 | 0.02 |
| QZA8GY | 9.95 | 7.02X | 0.61 | 7.53 | 7.12X | 0.23 | 1.91 | 5.59 | 0.71 |
| TQJCHV | 4.64 | -0.28 | 0.67 | 3.79 | 0.12 | 1.73 | 0.91 | -0.29 | 0.79 |
| TZUE4V | 4.57 | -0.37 | 1.67 | 3.44 | -0.54 | 1.18 | 0.90 | -0.32 | 0.59 |
| XKUFTU | 4.95 | 0.15 | 0.54 | 3.63 | -0.17 | 0.34 | 0.95 | -0.02 | 0.68 |

## SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 4.84 | 3.72 | 0.95 |
| Median Abs Dev | 0.20 | 0.13 | 0.04 |
| Avg Within Lab SD | 0.16 | 0.18 | 0.06 |
| Labs Included | 13 | 13 | 13 |
| Labs Reporting | 15 | 15 | 14 |

**Sum Anions (SubTestCode 316) in the Anions Property Groups**  **Data units: mmolc/L**

| WebCode | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 44YNNM | 8.53 | 0.02 | 0.49 | 5.17 | -0.15 | 0.18 | 10.36 | 1.03 | 0.32 |
| 8Q9F3N | 7.65 | -1.67 | 0.63 | 5.38 | 0.06 | 0.94 | 9.06 | -1.48 | 0.87 |
| GZQVCB | 9.54 | 1.97 | 0.20 | 12.77 | 7.36**X** | 0.28 | 10.19 | 0.71 | 2.08 |
| HH9DJ3 | 8.52 | 0.00 | 2.10 | 5.33 | 0.01 | 1.27 | 9.82 | 0.00 | 1.16 |
| JK7EW4 | 8.59 | 0.13 | 1.04 | 5.53 | 0.21 | 0.64 | 9.64 | -0.36 | 0.25 |
| P3TKWW | 1.73 | -13.10**X** | 0.02 | 1.10 | -4.16 | 0.01 | 2.03 | -15.03**X** | 0.01 |
| TQJCHV | 8.14 | -0.72 | 0.45 | 5.32 | 0.00 | 1.97 | 9.47 | -0.68 | 0.07 |
| XKUFTU | 8.41 | -0.20 | 0.80 | 5.19 | -0.13 | 0.43 | 10.06 | 0.46 | 0.64 |

**Sum Anions (SubTestCode 316) in the Anions Property Groups**  **Data units: mmolc/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 8.52 | 5.32 | 9.82 |
| Median Abs Dev | 0.10 | 0.13 | 0.35 |
| Avg Within Lab SD | 0.20 | 0.26 | 0.16 |
| Labs Included | 7 | 7 | 7 |
| Labs Reporting | 8 | 8 | 8 |

## Cation-Anion Difference (SubTestCode 317) in the Difference Calculation Property Groups | Data units:

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
| 44YNNM | 0.38 | -0.10 | 0.28 | 0.46 | 0.05 | 0.29 | 0.45 | -0.37 | 0.48 |
| 8Q9F3N | 1.53 | 1.57 | 1.07 | 0.42 | -0.05 | 0.81 | 1.47 | 0.96 | 0.98 |
| HH9DJ3 | 1.08 | 0.92 | 2.08 | 0.91 | 1.24 | 1.16 | 1.18 | 0.58 | 1.64 |
| P3TKWW | -0.03 | -0.71 | 0.02 | -0.04 | -1.25 | 0.00 | 0.05 | -0.88 | 0.01 |
| TQJCHV | 0.53 | 0.10 | 0.37 | 0.59 | 0.38 | 1.90 | 1.01 | 0.37 | 1.21 |
| XKUFTU | 0.02 | -0.64 | 0.57 | 0.03 | -1.08 | 0.55 | 0.03 | -0.90 | 0.80 |

## Cation-Anion Difference (SubTestCode 317) in the Difference Calculation Property Groups | Data units:

| | SRW2307 | SRW2308 | SRW2309 |
|---------|---------|---------|---------|
| Grand Median | 0.46 | 0.44 | 0.73 |
| Median Abs Dev | 0.46 | 0.28 | 0.56 |
| Avg Within Lab SD | 0.20 | 0.26 | 0.26 |
| Labs Included | 6 | 6 | 6 |
| Labs Reporting | 6 | 6 | 6 |

**Boron (SubTestCode 318) in the Other Property Groups**                    **Data units: mg/L**

| WebCode | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 2HGXCL | 0.14 | 0.44 | 0.61 | 0.45 | 0.44 | 1.72 | 0.14 | 0.50 | 0.99 |
| 44YNNM | 0.12 | -0.71 | 0.16 | 0.39 | -0.94 | 0.15 | 0.12 | -0.45 | 0.15 |
| 86VF6P | 0.13 | -0.11 | 0.00 | 0.44 | 0.13 | 0.33 | 0.13 | 0.00 | 0.00 |
| 8Q9F3N | 0.14 | 0.44 | 0.61 | 0.48 | 1.06 | 1.19 | 0.14 | 0.25 | 2.15 |
| CWMK4E | 0.14 | 0.11 | 0.49 | 0.43 | -0.13 | 0.82 | 0.08 | -1.72 | 0.66 |
| DFEY7A | 0.14 | 0.44 | 0.46 | 0.37 | -1.50 | 1.84 | 0.14 | 0.50 | 1.78 |
| F673ZB | 0.10 | -1.34 | 0.00 | 0.35 | -1.89 | 0.00 | 0.11 | -0.74 | 0.00 |
| HH9DJ3 | 0.17 | 1.52 | 3.27 | 0.45 | 0.38 | 1.56 | 0.13 | 0.13 | 1.62 |
| JQCYVA | | | | 0.04 | -9.00**X** | 0.13 | 0.18 | 2.02 | 0.27 |
| P3TKWW | 0.12 | -0.34 | 0.05 | 0.44 | 0.22 | 0.09 | 0.13 | -0.01 | 0.05 |
| QZA8GY | 0.10 | -1.48 | 0.23 | 0.40 | -0.65 | 0.33 | 0.09 | -1.49 | 0.00 |
| TQJCHV | 0.12 | -0.59 | 0.09 | 0.42 | -0.25 | 0.38 | 0.12 | -0.36 | 0.30 |
| XKUFTU | 0.15 | 0.57 | 0.23 | 0.45 | 0.52 | 0.87 | 0.15 | 0.62 | 0.99 |

**Boron (SubTestCode 318) in the Other Property Groups**                    **Data units: mg/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 0.13 | 0.43 | 0.13 |
| Median Abs Dev | 0.01 | 0.02 | 0.01 |
| Avg Within Lab SD | 0.03 | 0.02 | 0.01 |
| Labs Included | 12 | 12 | 13 |
| Labs Reporting | 12 | 13 | 13 |

**PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups** — **Data units: mg/L**

| WebCode | SRW2307 Sample Mean | Z Score | k Score | SRW2308 Sample Mean | Z Score | k Score | SRW2309 Sample Mean | Z Score | k Score |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CABJUG | **0.034** | 1.07 | | **0.024** | 0.25 | | **0.027** | 0.00 | |
| HH9DJ3 | **0.034** | 0.92 | | **0.019** | 1.39 | | **0.033** | 0.29 | |
| JQCYVA | | | | | | | **0.031** | 1.71 | |

**PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups** — **Data units: mg/L**

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| **Grand Median** | 0.034 | 0.022 | 0.031 |
| **Median Abs Dev** | | | |
| **Avg Within Lab SD** | 0.001 | 0.005 | 0.002 |
| **Labs Included** | 2 | 2 | 3 |
| **Labs Reporting** | 2 | 2 | 3 |

## Phosphorus - ICP (Total) (SubTestCode 320) in the Other Property Groups — Data units: mg/L

| | SRW2307 | | | SRW2308 | | | SRW2309 | | |
|---|---|---|---|---|---|---|---|---|---|
| WebCode | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |
| 86VF6P | **0.040** | 0.00 | | **0.013** | 0.48 | | **0.030** | 0.00 | |
| 8Q9F3N | **0.053** | 1.73 | | **0.030** | 1.66 | | **0.070** | 1.73 | |
| P3TKWW | **0.043** | 0.14 | | **0.010** | 0.17 | | **0.035** | 0.14 | |

## Phosphorus - ICP (Total) (SubTestCode 320) in the Other Property Groups — Data units: mg/L

| | SRW2307 | SRW2308 | SRW2309 |
|---|---|---|---|
| Grand Median | 0.043 | 0.013 | 0.035 |
| Median Abs Dev | | | |
| Avg Within Lab SD | 0.015 | 0.012 | 0.020 |
| Labs Included | 3 | 3 | 3 |
| Labs Reporting | 3 | 3 | 3 |

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