

# ALP Program

## Participant Web Summary Report

2016 Round #30



*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 - Summer 2016 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Summer 2016 (Cycle 30) was completed in August 2016, with participation by 105 labs from the United States, Canada, Guatemala, South Africa, Italy, Romania, Ukraine, UAE and the Philippines. Proficiency samples consisted of five soils, Four botanical and three water samples. Analytical methods evaluated are base on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry Canada.



Standard Reference Soils (SRS), materials used for the soils program were: SRS1606 a Kuma-Keith silt loam collected from Sherma Cty, KS; SRS1607 a sandy loam collected from Prince Edward Island CANADA; SRS1608 a Pecos silty clay loam collected Chaves Cty, NM; SRS1609 a Ruston fine sandy loam collected Pike Cty, MS; and SRS1610 a sand loam collected from Sussex Cty, DE. Standard Reference Botanical (SRB) materials were: SRB1605 sugar beet leaf composite from WA; SRB1606 corn leaf composite from IA; SRB1607 arugula leaves from CA and SRB1608 potato petiole from ID. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1604 South Elkhorn River water in NE, SRW1605 water source in MN, and SRW1606 irrigation well in WY.

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 4 reported results.

#### *Special Topics:*

**Discussion of Statistics  
in ALP Reports.**

**Quick Key to Analysis  
Tables.**

**Means and medians /  
standard deviations  
and M.A.D.s**

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## 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.

$$\text{Arithmetic Mean} \quad \bar{x} = \frac{1}{n} \cdot \sum_{i=1}^n x_i \quad \text{Standard Deviation} \quad \sigma = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \bar{x})^2}$$

### **Consensus Statistics:**

From the laboratory means a Grand Median is determined. The dispersion around this consensus value is calculated by the Median Absolute Deviation (M.A.D.). 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 Within Lab Average Standard Deviation. 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.

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

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

continued on the following page



## 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 WithinLab Performance 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 Laboratory-Sample Bias 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.

$$\text{WithinLab Performance} = \frac{\text{laboratory standard deviation}}{\text{Within Lab Average Standard Deviation}}$$

$$\text{Laboratory-Sample Bias} = \frac{(\text{laboratory mean} - \text{Grand Median})}{\text{M.A.D.}}$$

In the Participant Web Summary Report the k Score is the same as the WithinLab Performance; it is simply a common technical term. The Z Score 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.

$$\text{k Score} = \frac{\text{laboratory standard deviation}}{\text{Within Lab Average Standard Deviation}}$$

$$\text{Z Score} = \frac{(\text{laboratory mean} - \text{Grand Median})}{1.48(\text{M.A.D.})}$$



Key to Data Tables

**Laboratory Results**

|                    |                   |                    |  |
|--------------------|-------------------|--------------------|--|
|                    |                   | <b>Sample Mean</b> | arithmetic mean of the three determinations for the sample-property    |
|                    |                   | <b>Difference</b>  | difference between your laboratory mean and the Grand Median           |
| <b>Sample Mean</b> | <b>Z Score</b>    | <b>k Score</b>     | difference divided by the product of the M.A.D. and 1.48 (rounded)     |
|                    | <b>Difference</b> | <b>W/L STD</b>     | standard deviation of the three determinations for the sample-property |
|                    |                   | <b>Z Score</b>     | laboratory standard deviation divided by the Within Lab Average STD    |
|                    |                   | <b>W/L STD</b>     |  |
|                    |                   | <b>k Score</b>     |  |

**Consensus Results**

|                          |   |
|--------------------------|---|
| <b>Grand Median</b>      | median of all included sample means   |
| <b>Median Abs Dev</b>    | median of all included absolute differences between the sample means and the grand median       |
| <b>Avg Within Lab SD</b> | average of all included laboratory standard deviations  |
| <b>Labs Included</b>     | number of laboratories included in calculation of consensus statistics for this sample-property |
| <b>Labs Reporting</b>    | 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.



## Choosing the Statistics Used

In this report and the Individual Performance Analysis Report, ALP participants should note that CTS has used means and medians to calculate averages, as well as standard deviations and Median Absolute Deviation (M.A.D.) to estimate dispersion about these averages. The use of multiple averages and multiple measures of dispersion has the potential to lead to confusion. This note is intended to explain the rationale behind the choice of statistics used. **As a guideline, we have chosen means and standard deviations to describe within laboratory measures and the median and M.A.D. to describe between laboratory measures.**

### **Why did we decide this?**

This decision is based upon the assumption that within each laboratory there measurement process is "in-control." If one of the triplicate determinations was very different from the other results, it would likely be discarded as an outlier and the sample tested again. Additionally, laboratories use training, maintenance, calibration and check samples to produce reliable results based on a historical perspective. Because of these two factors, absence of outliers and relative consistency, the assumption is made that the results will be normally distributed. Although in reality this is often not true, it is the conventional practice. Mean and standard deviations provide good estimates of value and dispersion in this case.

On the other hand, we have not made this same "in-control" assumption about the between laboratory comparisons. As a result, we have chosen more robust estimators of value and dispersion. In many cases, the median will be less affected by outliers than the mean when dealing with a small number of measurements. Similarly, the average difference and the M.A.D. will often yield more accurate estimates of dispersion than the standard deviation when dealing with a "flawed sample." Here the term flawed sample refers to a group of measurements that differs from the idealized normal distribution. Moreover, the M.A.D. will also make the dispersion estimate less susceptible to outliers than the use of standard deviations. Unlike the M.A.D., a standard deviation emphasizes larger deviations by the squaring of the difference.



The choice of statistics used is not the only choice that may be made, nor were the presented statistics the only ones calculated for the Demonstration Round. CTS, in conjunction with Dr. Miller, chose the measures used in the report based on the utility the measures provide to the participants. We will continue to evaluate our statistical choices and make changes to provide the best tools for evaluating your laboratory's measurement performance. However we will balance this need with our ongoing commitment to simplicity of interpretation.



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups |             |      |     |             |       |     |             |      |     |             |      |     |             |      |     |                     |
|--|-------------|------|-----|-------------|-------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|---------------------|
|  | SRSSRS1606  |      |     | SRSSRS1607  |       |     | SRSSRS1608  |      |     | SRSSRS1609  |      |     | SRSSRS1610  |      |     | Data units: Percent |
| <b>P2ZHHY</b>  | <b>42.5</b> | -0.5 | 0.3 | <b>35.3</b> | -0.4  | 0.1 | <b>50.7</b> | -0.3 | 1.6 | <b>29.1</b> | -0.6 | 1.7 | <b>21.9</b> | -0.1 | 0.1 |                     |
|  |             | -2.3 | 0.2 |             | -1.6  | 0.1 |             | -2.3 | 1.3 |             | -2.4 | 1.3 |             | -0.2 | 0.1 |                     |
| <b>2V9A2L</b>  | <b>37.5</b> | -1.5 |     | <b>26.0</b> | -2.6  |     | <b>50.0</b> | -0.4 |     | <b>23.3</b> | -2.1 | 0.0 | <b>14.3</b> | -2.5 | 0.0 |                     |
|  |             | -7.4 | 0.0 |             | -10.9 | 0.0 |             | -3.0 | 0.0 |             | -8.3 | 0.0 |             | -7.8 | 0.0 |                     |
| <b>7LQLUF</b>  | <b>39.4</b> | -1.1 | 0.1 | <b>33.4</b> | -0.9  | 0.8 | <b>48.5</b> | -0.6 | 0.5 | <b>29.8</b> | -0.4 | 0.3 | <b>20.5</b> | -0.5 | 0.4 |                     |
|  |             | -5.5 | 0.1 |             | -3.5  | 0.6 |             | -4.5 | 0.4 |             | -1.8 | 0.2 |             | -1.7 | 0.3 |                     |
| <b>ETFYA8</b>  | <b>44.3</b> | -0.1 | 0.9 | <b>33.2</b> | -0.9  | 0.7 | <b>43.8</b> | -1.3 | 1.3 | <b>26.2</b> | -1.4 | 0.9 | <b>22.8</b> | 0.2  | 0.6 |                     |
|  |             | -0.6 | 0.7 |             | -3.7  | 0.6 |             | -9.2 | 1.0 |             | -5.4 | 0.7 |             | 0.6  | 0.5 |                     |
| <b>QHLKDT</b>  | <b>45.0</b> | 0.0  | 1.3 | <b>36.7</b> | 0.0   | 0.7 | <b>53.0</b> | 0.0  | 1.3 | <b>32.3</b> | 0.2  | 0.7 | <b>21.7</b> | -0.1 | 0.8 |                     |
|  |             | 0.2  | 1.0 |             | -0.2  | 0.6 |             | 0.0  | 1.0 |             | 0.8  | 0.6 |             | -0.5 | 0.6 |                     |
| <b>NM37AU</b>  | <b>45.4</b> | 0.1  | 1.9 | <b>41.6</b> | 1.1   | 0.9 | <b>50.5</b> | -0.3 | 1.8 | <b>31.5</b> | 0.0  | 2.0 | <b>33.6</b> | 3.6  | 2.5 |                     |
|  |             | 0.6  | 1.5 |             | 4.7   | 0.7 |             | -2.5 | 1.3 |             | -0.1 | 1.6 |             | 11.5 | 1.8 |                     |
| <b>Z9LAXF</b>  | <b>54.8</b> | 2.0  | 1.6 | <b>37.1</b> | 0.0   | 2.6 | <b>65.2</b> | 1.7  | 1.3 | <b>31.7</b> | 0.0  | 1.2 | <b>25.0</b> | 0.9  | 0.3 |                     |
|  |             | 9.9  | 1.2 |             | 0.2   | 2.1 |             | 12.2 | 1.0 |             | 0.1  | 0.9 |             | 2.9  | 0.3 |                     |
| <b>QP24XR</b>  | <b>43.7</b> | -0.2 | 0.7 | <b>38.0</b> | 0.3   |     | <b>52.0</b> | -0.1 |     | <b>32.0</b> | 0.1  |     | <b>23.3</b> | 0.4  | 0.8 |                     |
|  |             | -1.2 | 0.6 |             | 1.1   | 0.0 |             | -1.0 | 0.0 |             | 0.4  | 0.0 |             | 1.2  | 0.6 |                     |
| <b>KG6H4X</b>  | <b>44.9</b> | 0.0  | 1.4 | <b>38.5</b> | 0.4   | 0.7 | <b>54.7</b> | 0.2  | 0.3 | <b>32.5</b> | 0.2  | 1.9 | <b>22.3</b> | 0.1  | 1.3 |                     |
|  |             | 0.1  | 1.2 |             | 1.7   | 0.6 |             | 1.7  | 0.2 |             | 0.9  | 1.5 |             | 0.2  | 1.0 |                     |
| <b>ZTQT9G</b>  | <b>44.3</b> | -0.1 | 0.7 | <b>35.7</b> | -0.3  | 0.7 | <b>52.7</b> | 0.0  | 0.8 | <b>28.7</b> | -0.7 | 0.7 | <b>21.0</b> | -0.4 |     |                     |
|  |             | -0.5 | 0.6 |             | -1.2  | 0.6 |             | -0.3 | 0.6 |             | -2.9 | 0.6 |             | -1.1 | 0.0 |                     |
| <b>YWU4RC</b>  | <b>47.7</b> | 0.6  | 0.7 | <b>37.3</b> | 0.1   | 0.7 | <b>64.7</b> | 1.6  | 1.5 | <b>37.7</b> | 1.5  | 1.9 | <b>21.0</b> | -0.4 |     |                     |
|  |             | 2.8  | 0.6 |             | 0.5   | 0.6 |             | 11.7 | 1.2 |             | 6.1  | 1.5 |             | -1.1 | 0.0 |                     |
| <b>Z9HQBC</b>  | <b>53.7</b> | 1.8  | 0.7 | <b>43.0</b> | 1.5   | 1.3 | <b>61.0</b> | 1.1  |     | <b>37.0</b> | 1.4  |     | <b>26.3</b> | 1.3  | 0.8 |                     |
|  |             | 8.8  | 0.6 |             | 6.1   | 1.0 |             | 8.0  | 0.0 |             | 5.4  | 0.0 |             | 4.2  | 0.6 |                     |
| <b>EDQREV</b>  | <b>43.7</b> | -0.2 | 0.7 | <b>38.0</b> | 0.3   |     | <b>53.0</b> | 0.0  | 1.3 | <b>31.7</b> | 0.0  | 0.7 | <b>23.0</b> | 0.3  |     |                     |
|  |             | -1.2 | 0.6 |             | 1.1   | 0.0 |             | 0.0  | 1.0 |             | 0.1  | 0.6 |             | 0.9  | 0.0 |                     |
| <b>XXB2JC</b>  | <b>39.5</b> | -1.1 | 0.5 | <b>35.6</b> | -0.3  | 0.5 | <b>47.5</b> | -0.8 | 0.5 | <b>30.5</b> | -0.3 | 0.5 | <b>22.5</b> | 0.1  | 0.6 |                     |
|  |             | -5.3 | 0.4 |             | -1.3  | 0.4 |             | -5.5 | 0.4 |             | -1.1 | 0.4 |             | 0.3  | 0.4 |                     |
| <b>4TXAV7</b>  | <b>48.2</b> | 0.7  |     | <b>37.9</b> | 0.3   |     | <b>56.8</b> | 0.5  |     | <b>31.3</b> | -0.1 |     | <b>22.6</b> | 0.1  |     |                     |
|  |             | 3.4  | 0.0 |             | 1.0   | 0.0 |             | 3.8  | 0.0 |             | -0.3 | 0.0 |             | 0.5  | 0.0 |                     |
| <b>4QUEC3</b>  | <b>49.6</b> | 0.9  | 0.8 | <b>35.0</b> | -0.5  | 0.8 | <b>59.2</b> | 0.9  | 0.8 | <b>31.4</b> | 0.0  | 0.2 | <b>20.4</b> | -0.5 | 0.4 |                     |
|  |             | 4.7  | 0.7 |             | -1.9  | 0.7 |             | 6.2  | 0.6 |             | -0.2 | 0.2 |             | -1.7 | 0.3 |                     |
| <b>M938NJ</b>  | <b>44.6</b> | 0.0  | 0.9 | <b>39.3</b> | 0.6   | 0.8 | <b>57.3</b> | 0.6  | 1.8 | <b>32.7</b> | 0.3  | 1.1 | <b>21.9</b> | -0.1 | 0.8 |                     |
|  |             | -0.3 | 0.7 |             | 2.4   | 0.6 |             | 4.3  | 1.4 |             | 1.2  | 0.8 |             | -0.2 | 0.6 |                     |
| <b>Z4BZ87</b>  | <b>48.1</b> | 0.7  | 0.9 | <b>38.8</b> | 0.5   | 1.1 | <b>59.0</b> | 0.8  | 0.5 | <b>34.8</b> | 0.8  | 0.8 | <b>22.7</b> | 0.2  | 2.5 |                     |
|  |             | 3.3  | 0.7 |             | 1.9   | 0.9 |             | 6.0  | 0.4 |             | 3.2  | 0.7 |             | 0.6  | 1.8 |                     |
| <b>6K3QU3</b>  | <b>52.0</b> | 1.4  | 2.5 | <b>41.7</b> | 1.2   | 2.6 | <b>59.0</b> | 0.8  | 1.3 | <b>35.0</b> | 0.9  | 1.3 | <b>25.3</b> | 1.0  | 2.1 |                     |
|  |             | 7.2  | 2.0 |             | 4.8   | 2.1 |             | 6.0  | 1.0 |             | 3.4  | 1.0 |             | 3.2  | 1.5 |                     |
| <b>ACVHGX</b>  | <b>46.8</b> | 0.4  | 0.0 | <b>36.0</b> | -0.2  | 0.0 | <b>58.4</b> | 0.8  | 0.0 | <b>32.7</b> | 0.3  | 0.0 | <b>21.0</b> | -0.4 | 0.0 |                     |
|  |             | 1.9  | 0.0 |             | -0.8  | 0.0 |             | 5.4  | 0.0 |             | 1.1  | 0.0 |             | -1.1 | 0.0 |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6UNU32</b>            | <b>37.3</b>        | -1.5    |         | <b>29.5</b>        | -1.8    |         | <b>44.3</b>        | -1.2    |         | <b>24.0</b>        | -1.9    |         | <b>18.6</b>        | -1.1    |         |
|                          |                    | -7.6    | 0.0     |                    | -7.4    | 0.0     |                    | -8.8    | 0.0     |                    | -7.6    | 0.0     |                    | -3.6    | 0.0     |
|                          |                    | 0.0     |         |                    | -0.7    |         |                    | -0.6    |         |                    | -1.5    |         |                    | -0.6    |         |
| <b>XJT9V6</b>            | <b>44.8</b>        | -0.1    | 0.0     | <b>33.9</b>        | -3.0    | 0.0     | <b>48.7</b>        | -4.3    | 0.0     | <b>25.7</b>        | -5.9    | 0.0     | <b>20.3</b>        | -1.8    | 0.0     |
| <b>Grand Median</b>      |                    | 44.9    |         |                    | 36.9    |         |                    | 53.0    |         |                    | 31.6    |         |                    | 22.1    |         |
| <b>Median Abs Dev</b>    |                    | 2.6     |         |                    | 1.8     |         |                    | 4.4     |         |                    | 1.5     |         |                    | 1.1     |         |
| <b>Avg Within Lab SD</b> |                    | 0.8     |         |                    | 0.8     |         |                    | 0.8     |         |                    | 0.8     |         |                    | 0.7     |         |
| <b>Labs Included</b>     |                    | 22      |         |                    | 22      |         |                    | 22      |         |                    | 22      |         |                    | 22      |         |
| <b>Labs Reporting</b>    |                    | 22      |         |                    | 22      |         |                    | 22      |         |                    | 22      |         |                    | 22      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| pH - sp (SubTestCode 102) | in the Salinity Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: Unit |
|---------------------------|---------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|
|                           | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                  |
| <b>2V9A2L</b>             | <b>7.89</b>                     | 2.12  | 0.16 | <b>4.53</b> | -3.24 | 0.11 | <b>7.90</b> | 0.81  | 0.00 | <b>6.64</b> | 4.26  | 0.06 | <b>6.95</b> | 3.69  | 0.15 |                  |
|                           |                                 | 0.34  | 0.01 |             | -1.20 | 0.01 |             | 0.17  | 0.00 |             | 1.39  | 0.01 |             | 1.01  | 0.01 |                  |
| <b>9G9ZXE</b>             | <b>7.54</b>                     | -0.10 | 2.50 | <b>6.00</b> | 0.71  | 1.76 | <b>7.73</b> | -0.01 | 0.70 | <b>5.34</b> | 0.29  | 0.91 | <b>6.05</b> | 0.39  | 3.69 |                  |
|                           |                                 | -0.02 | 0.09 |             | 0.26  | 0.09 |             | 0.00  | 0.03 |             | 0.09  | 0.09 |             | 0.11  | 0.14 |                  |
| <b>7LQLUF</b>             | <b>7.66</b>                     | 0.66  | 1.43 | <b>5.59</b> | -0.39 | 0.19 | <b>7.84</b> | 0.52  | 0.96 | <b>5.07</b> | -0.55 | 0.11 | <b>5.86</b> | -0.31 | 0.74 |                  |
|                           |                                 | 0.11  | 0.05 |             | -0.15 | 0.01 |             | 0.11  | 0.04 |             | -0.18 | 0.01 |             | -0.08 | 0.03 |                  |
| <b>ETFYA8</b>             | <b>7.69</b>                     | 0.85  | 1.24 | <b>5.81</b> | 0.20  | 1.50 | <b>7.95</b> | 1.05  | 0.70 | <b>5.33</b> | 0.26  | 0.59 | <b>6.11</b> | 0.64  | 0.29 |                  |
|                           |                                 | 0.14  | 0.05 |             | 0.08  | 0.08 |             | 0.22  | 0.03 |             | 0.08  | 0.06 |             | 0.17  | 0.01 |                  |
| <b>QHLKDT</b>             | <b>7.55</b>                     | -0.02 | 0.54 | <b>5.68</b> | -0.15 | 0.38 | <b>7.74</b> | 0.02  | 0.15 | <b>5.10</b> | -0.45 | 0.06 | <b>5.88</b> | -0.23 | 0.15 |                  |
|                           |                                 | 0.00  | 0.02 |             | -0.06 | 0.02 |             | 0.01  | 0.01 |             | -0.15 | 0.01 |             | -0.06 | 0.01 |                  |
| <b>NM37AU</b>             | <b>7.59</b>                     | 0.21  | 0.16 | <b>5.63</b> | -0.27 | 0.29 | <b>7.88</b> | 0.73  | 0.67 | <b>5.07</b> | -0.56 | 0.06 | <b>5.95</b> | 0.05  | 0.39 |                  |
|                           |                                 | 0.03  | 0.01 |             | -0.10 | 0.02 |             | 0.15  | 0.03 |             | -0.18 | 0.01 |             | 0.01  | 0.02 |                  |
| <b>LU92FX</b>             | <b>7.47</b>                     | -0.52 |      | <b>5.68</b> | -0.15 |      | <b>7.63</b> | -0.49 |      | <b>5.24</b> | -0.03 |      | <b>5.93</b> | -0.04 |      |                  |
|                           |                                 | -0.08 | 0.00 |             | -0.06 | 0.00 |             | -0.10 | 0.00 |             | -0.01 | 0.00 |             | -0.01 | 0.00 |                  |
| <b>Z9LAXF</b>             | <b>7.63</b>                     | 0.50  | 1.56 | <b>5.50</b> | -0.63 |      | <b>7.87</b> | 0.65  | 1.53 | <b>4.93</b> | -0.97 | 1.63 | <b>5.73</b> | -0.76 | 1.47 |                  |
|                           |                                 | 0.08  | 0.06 |             | -0.24 | 0.00 |             | 0.14  | 0.06 |             | -0.32 | 0.15 |             | -0.21 | 0.06 |                  |
| <b>QP24XR</b>             | <b>7.33</b>                     | -1.39 | 1.35 | <b>5.73</b> | -0.01 | 0.82 | <b>7.64</b> | -0.44 | 2.43 | <b>5.41</b> | 0.48  | 0.16 | <b>6.14</b> | 0.75  | 1.47 |                  |
|                           |                                 | -0.22 | 0.05 |             | -0.01 | 0.04 |             | -0.09 | 0.09 |             | 0.16  | 0.02 |             | 0.20  | 0.06 |                  |
| <b>KG6H4X</b>             | <b>7.60</b>                     | 0.27  | 0.68 | <b>5.88</b> | 0.38  | 3.31 | <b>7.62</b> | -0.53 | 1.33 | <b>5.31</b> | 0.19  | 0.76 | <b>5.95</b> | 0.05  | 0.39 |                  |
|                           |                                 | 0.04  | 0.03 |             | 0.14  | 0.18 |             | -0.11 | 0.05 |             | 0.06  | 0.07 |             | 0.01  | 0.02 |                  |
| <b>ZTQT9G</b>             | <b>7.44</b>                     | -0.73 | 0.68 | <b>5.57</b> | -0.45 | 0.87 | <b>7.61</b> | -0.60 | 0.81 | <b>5.05</b> | -0.60 | 0.37 | <b>5.77</b> | -0.62 | 0.88 |                  |
|                           |                                 | -0.12 | 0.03 |             | -0.17 | 0.05 |             | -0.13 | 0.03 |             | -0.20 | 0.04 |             | -0.17 | 0.03 |                  |
| <b>YWU4RC</b>             | <b>7.47</b>                     | -0.52 | 0.72 | <b>5.66</b> | -0.20 | 0.19 | <b>7.86</b> | 0.60  | 1.07 | <b>5.12</b> | -0.41 | 0.34 | <b>5.92</b> | -0.09 | 0.39 |                  |
|                           |                                 | -0.08 | 0.03 |             | -0.08 | 0.01 |             | 0.13  | 0.04 |             | -0.13 | 0.03 |             | -0.02 | 0.02 |                  |
| <b>Z9HQBC</b>             | <b>7.58</b>                     | 0.17  | 0.00 | <b>6.00</b> | 0.71  | 1.63 | <b>7.50</b> | -1.13 | 2.51 | <b>5.50</b> | 0.75  | 1.39 | <b>5.84</b> | -0.35 | 0.97 |                  |
|                           |                                 | 0.03  | 0.00 |             | 0.26  | 0.09 |             | -0.24 | 0.09 |             | 0.25  | 0.13 |             | -0.10 | 0.04 |                  |
| <b>Y26GAB</b>             | <b>7.35</b>                     | -1.29 | 0.16 | <b>6.04</b> | 0.82  | 0.33 | <b>7.50</b> | -1.09 | 0.31 | <b>5.22</b> | -0.10 | 0.06 | <b>6.18</b> | 0.88  | 0.00 |                  |
|                           |                                 | -0.21 | 0.01 |             | 0.31  | 0.02 |             | -0.23 | 0.01 |             | -0.03 | 0.01 |             | 0.24  | 0.00 |                  |
| <b>EDQREV</b>             | <b>7.56</b>                     | 0.02  | 1.49 | <b>5.58</b> | -0.42 | 0.33 | <b>7.71</b> | -0.12 | 0.41 | <b>5.06</b> | -0.59 | 0.16 | <b>5.78</b> | -0.59 | 1.42 |                  |
|                           |                                 | 0.00  | 0.06 |             | -0.16 | 0.02 |             | -0.03 | 0.02 |             | -0.19 | 0.02 |             | -0.16 | 0.06 |                  |
| <b>XXB2JC</b>             | <b>7.53</b>                     | -0.12 | 0.41 | <b>5.84</b> | 0.27  | 0.39 | <b>7.86</b> | 0.61  | 0.27 | <b>5.35</b> | 0.30  | 0.25 | <b>5.94</b> | 0.00  | 0.51 |                  |
|                           |                                 | -0.02 | 0.02 |             | 0.10  | 0.02 |             | 0.13  | 0.01 |             | 0.10  | 0.02 |             | 0.00  | 0.02 |                  |
| <b>4TXAV7</b>             | <b>7.54</b>                     | -0.08 |      | <b>5.74</b> | 0.01  |      | <b>7.82</b> | 0.42  |      | <b>5.23</b> | -0.06 |      | <b>5.97</b> | 0.11  |      |                  |
|                           |                                 | -0.01 | 0.00 |             | 0.01  | 0.00 |             | 0.09  | 0.00 |             | -0.02 | 0.00 |             | 0.03  | 0.00 |                  |
| <b>4QUEC3</b>             | <b>7.56</b>                     | 0.02  | 0.95 | <b>5.84</b> | 0.29  | 0.95 | <b>7.85</b> | 0.57  | 0.53 | <b>5.48</b> | 0.70  | 0.21 | <b>6.06</b> | 0.45  | 0.39 |                  |
|                           |                                 | 0.00  | 0.04 |             | 0.11  | 0.05 |             | 0.12  | 0.02 |             | 0.23  | 0.02 |             | 0.12  | 0.02 |                  |
| <b>M938NJ</b>             | <b>7.48</b>                     | -0.46 | 1.08 | <b>5.82</b> | 0.24  | 1.11 | <b>7.73</b> | 0.01  | 1.46 | <b>5.65</b> | 1.21  | 3.96 | <b>6.01</b> | 0.26  | 0.26 |                  |
|                           |                                 | -0.07 | 0.04 |             | 0.09  | 0.06 |             | 0.00  | 0.06 |             | 0.40  | 0.37 |             | 0.07  | 0.01 |                  |
| <b>Z4BZ87</b>             | <b>7.64</b>                     | 0.54  | 1.41 | <b>5.82</b> | 0.22  | 0.48 | <b>7.83</b> | 0.45  | 0.41 | <b>5.32</b> | 0.22  | 1.19 | <b>6.01</b> | 0.24  | 0.64 |                  |
|                           |                                 | 0.09  | 0.05 |             | 0.08  | 0.03 |             | 0.10  | 0.02 |             | 0.07  | 0.11 |             | 0.07  | 0.03 |                  |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6K3QU3</b>            | <b>7.60</b>        | 0.27    | 1.28    | <b>6.06</b>        | 0.89    | 0.79    | <b>7.56</b>        | -0.82   | 0.80    | <b>5.68</b>        | 1.33    | 0.33    | <b>5.87</b>        | -0.27   | 0.53    |
|                          |                    | 0.04    | 0.05    |                    | 0.33    | 0.04    |                    | -0.17   | 0.03    |                    | 0.43    | 0.03    |                    | -0.07   | 0.02    |
| <b>ACVHGX</b>            | <b>7.05</b>        | -3.14   | 0.00    | <b>5.31</b>        | -1.15   | 0.00    | <b>7.55</b>        | -0.87   | 0.00    | <b>4.82</b>        | -1.32   | 0.00    | <b>5.65</b>        | -1.06   | 0.00    |
|                          |                    | -0.50   | 0.00    |                    | -0.43   | 0.00    |                    | -0.18   | 0.00    |                    | -0.43   | 0.00    |                    | -0.29   | 0.00    |
| <b>6UNU32</b>            | <b>7.34</b>        | -1.33   |         | <b>5.94</b>        | 0.55    |         | <b>7.33</b>        | -1.92   |         | <b>5.26</b>        | 0.03    |         | <b>5.94</b>        | 0.00    |         |
|                          |                    | -0.21   | 0.00    |                    | 0.21    | 0.00    |                    | -0.40   | 0.00    |                    | 0.01    | 0.00    |                    | 0.00    | 0.00    |
| <b>XJT9V6</b>            | <b>7.69</b>        | 0.85    |         | <b>4.32</b>        | -3.82   |         | <b>7.37</b>        | -1.73   |         | <b>5.08</b>        | -0.52   |         | <b>4.75</b>        | -4.36   |         |
|                          |                    | 0.14    | 0.00    |                    | -1.42   | 0.00    |                    | -0.36   | 0.00    |                    | -0.17   | 0.00    |                    | -1.19   | 0.00    |
| <b>Grand Median</b>      |                    | 7.55    |         |                    | 5.74    |         |                    | 7.73    |         |                    | 5.25    |         |                    | 5.94    |         |
| <b>Median Abs Dev</b>    |                    | 0.08    |         |                    | 0.14    |         |                    | 0.13    |         |                    | 0.16    |         |                    | 0.09    |         |
| <b>Avg Within Lab SD</b> |                    | 0.04    |         |                    | 0.05    |         |                    | 0.04    |         |                    | 0.09    |         |                    | 0.04    |         |
| <b>Labs Included</b>     |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |
| <b>Labs Reporting</b>    |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| ECe - sp (SubTestCode 103) | in the Salinity Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       | Data units: dS/m |  |
|----------------------------|---------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------------------|--|
|                            | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |                  |  |
| <b>P2ZHHY</b>              | <b>0.86</b>                     | -0.08 | 0.76 | <b>1.83</b> | 0.72  | 0.60 | <b>8.60</b> | -0.01 | 0.23 | <b>1.15</b> | 0.23  | 0.07 | <b>2.07</b> | 0.17  | 1.25             |  |
|                            |                                 | -0.02 | 0.03 |             | 0.23  | 0.02 |             | -0.01 | 0.04 |             | 0.04  | 0.00 |             | 0.08  | 0.09             |  |
| <b>2V9A2L</b>              | <b>0.43</b>                     | -2.01 | 0.03 | <b>2.25</b> | 1.99  | 0.15 | <b>8.27</b> | -0.17 | 0.17 | <b>1.35</b> | 1.29  | 0.12 | <b>2.81</b> | 1.72  | 0.17             |  |
|                            |                                 | -0.45 | 0.00 |             | 0.65  | 0.01 |             | -0.33 | 0.03 |             | 0.24  | 0.01 |             | 0.82  | 0.01             |  |
| <b>9G9ZXE</b>              | <b>0.81</b>                     | -0.31 | 1.59 | <b>1.47</b> | -0.39 | 2.19 | <b>7.40</b> | -0.62 | 1.75 | <b>1.00</b> | -0.57 | 1.03 | <b>1.87</b> | -0.25 | 1.13             |  |
|                            |                                 | -0.07 | 0.06 |             | -0.13 | 0.09 |             | -1.21 | 0.26 |             | -0.11 | 0.05 |             | -0.12 | 0.08             |  |
| <b>7LQLUF</b>              | <b>0.96</b>                     | 0.34  | 1.13 | <b>1.55</b> | -0.13 | 1.15 | <b>9.35</b> | 0.38  | 1.28 | <b>1.11</b> | 0.00  | 2.48 | <b>2.57</b> | 1.23  | 1.10             |  |
|                            |                                 | 0.08  | 0.04 |             | -0.04 | 0.04 |             | 0.74  | 0.19 |             | 0.00  | 0.12 |             | 0.58  | 0.08             |  |
| <b>ETFYA8</b>              | <b>0.73</b>                     | -0.69 | 0.02 | <b>1.46</b> | -0.41 | 1.92 | <b>7.99</b> | -0.32 | 1.05 | <b>1.25</b> | 0.72  | 2.10 | <b>1.74</b> | -0.53 | 0.73             |  |
|                            |                                 | -0.15 | 0.00 |             | -0.13 | 0.08 |             | -0.62 | 0.16 |             | 0.14  | 0.10 |             | -0.25 | 0.05             |  |
| <b>QHLKDT</b>              | <b>0.90</b>                     | 0.11  | 0.49 | <b>1.64</b> | 0.12  | 1.54 | <b>8.81</b> | 0.10  | 1.23 | <b>1.07</b> | -0.23 | 0.79 | <b>2.12</b> | 0.27  | 0.14             |  |
|                            |                                 | 0.02  | 0.02 |             | 0.04  | 0.06 |             | 0.20  | 0.18 |             | -0.04 | 0.04 |             | 0.13  | 0.01             |  |
| <b>NM37AU</b>              | <b>0.92</b>                     | 0.18  | 0.52 | <b>1.45</b> | -0.45 | 0.92 | <b>9.32</b> | 0.37  | 2.82 | <b>1.19</b> | 0.44  | 1.68 | <b>1.51</b> | -1.02 | 1.30             |  |
|                            |                                 | 0.04  | 0.02 |             | -0.15 | 0.04 |             | 0.72  | 0.42 |             | 0.08  | 0.08 |             | -0.48 | 0.09             |  |
| <b>LU92FX</b>              | <b>0.55</b>                     | -1.47 |      | <b>1.25</b> | -1.06 |      | <b>8.12</b> | -0.25 |      | <b>1.01</b> | -0.53 |      | <b>1.99</b> | 0.00  |                  |  |
|                            |                                 | -0.33 | 0.00 |             | -0.35 | 0.00 |             | -0.49 | 0.00 |             | -0.10 | 0.00 |             | 0.00  | 0.00             |  |
| <b>Z9LAXF</b>              | <b>0.69</b>                     | -0.83 | 0.84 | <b>1.21</b> | -1.17 | 0.39 | <b>7.25</b> | -0.70 | 0.88 | <b>0.94</b> | -0.92 | 0.61 | <b>1.55</b> | -0.93 | 1.02             |  |
|                            |                                 | -0.19 | 0.03 |             | -0.38 | 0.02 |             | -1.36 | 0.13 |             | -0.17 | 0.03 |             | -0.44 | 0.07             |  |
| <b>QP24XR</b>              | <b>0.87</b>                     | -0.03 | 0.37 | <b>1.62</b> | 0.07  | 1.49 | <b>8.33</b> | -0.14 | 0.15 | <b>1.13</b> | 0.09  | 0.18 | <b>1.99</b> | -0.01 | 0.30             |  |
|                            |                                 | -0.01 | 0.01 |             | 0.02  | 0.06 |             | -0.28 | 0.02 |             | 0.02  | 0.01 |             | 0.00  | 0.02             |  |
| <b>KG6H4X</b>              | <b>0.88</b>                     | 0.00  | 2.62 | <b>1.48</b> | -0.36 | 0.26 | <b>7.83</b> | -0.40 | 1.58 | <b>1.05</b> | -0.30 | 1.99 | <b>1.78</b> | -0.44 | 1.16             |  |
|                            |                                 | 0.00  | 0.10 |             | -0.12 | 0.01 |             | -0.78 | 0.24 |             | -0.06 | 0.10 |             | -0.21 | 0.08             |  |
| <b>ZTQT9G</b>              | <b>0.88</b>                     | 0.01  | 0.76 | <b>1.62</b> | 0.08  | 1.56 | <b>9.30</b> | 0.36  | 1.57 | <b>1.25</b> | 0.74  | 0.96 | <b>2.15</b> | 0.34  | 0.96             |  |
|                            |                                 | 0.00  | 0.03 |             | 0.03  | 0.06 |             | 0.70  | 0.23 |             | 0.14  | 0.05 |             | 0.16  | 0.07             |  |
| <b>YWU4RC</b>              | <b>1.07</b>                     | 0.84  | 0.00 | <b>1.74</b> | 0.43  | 0.00 | <b>9.04</b> | 0.22  | 0.00 | <b>1.11</b> | -0.01 | 0.01 | <b>2.29</b> | 0.63  | 0.00             |  |
|                            |                                 | 0.19  | 0.00 |             | 0.14  | 0.00 |             | 0.43  | 0.00 |             | 0.00  | 0.00 |             | 0.30  | 0.00             |  |
| <b>Z9HQBC</b>              | <b>0.77</b>                     | -0.50 | 0.15 | <b>1.36</b> | -0.72 | 0.89 | <b>7.57</b> | -0.53 | 0.04 | <b>0.90</b> | -1.13 | 0.99 | <b>1.58</b> | -0.87 | 2.72             |  |
|                            |                                 | -0.11 | 0.01 |             | -0.24 | 0.03 |             | -1.03 | 0.01 |             | -0.21 | 0.05 |             | -0.41 | 0.19             |  |
| <b>Y26GAB</b>              | <b>0.78</b>                     | -0.46 | 0.02 | <b>1.35</b> | -0.74 | 0.04 | <b>8.67</b> | 0.03  | 0.14 | <b>1.02</b> | -0.49 | 0.01 | <b>1.80</b> | -0.40 | 0.08             |  |
|                            |                                 | -0.10 | 0.00 |             | -0.24 | 0.00 |             | 0.06  | 0.02 |             | -0.09 | 0.00 |             | -0.19 | 0.01             |  |
| <b>EDQREV</b>              | <b>0.90</b>                     | 0.10  | 0.15 | <b>1.60</b> | 0.00  | 0.15 | <b>8.61</b> | 0.00  | 0.20 | <b>1.06</b> | -0.25 | 0.12 | <b>1.94</b> | -0.11 | 0.25             |  |
|                            |                                 | 0.02  | 0.01 |             | 0.00  | 0.01 |             | 0.00  | 0.03 |             | -0.05 | 0.01 |             | -0.05 | 0.02             |  |
| <b>XXB2JC</b>              | <b>1.21</b>                     | 1.45  | 2.68 | <b>1.81</b> | 0.64  | 1.26 | <b>9.57</b> | 0.50  | 1.07 | <b>1.14</b> | 0.16  | 1.51 | <b>2.05</b> | 0.13  | 1.40             |  |
|                            |                                 | 0.33  | 0.10 |             | 0.21  | 0.05 |             | 0.97  | 0.16 |             | 0.03  | 0.07 |             | 0.06  | 0.10             |  |
| <b>4TXAV7</b>              | <b>0.99</b>                     | 0.49  |      | <b>1.80</b> | 0.62  |      | <b>9.87</b> | 0.65  |      | <b>1.21</b> | 0.53  |      | <b>2.25</b> | 0.55  |                  |  |
|                            |                                 | 0.11  | 0.00 |             | 0.20  | 0.00 |             | 1.26  | 0.00 |             | 0.10  | 0.00 |             | 0.26  | 0.00             |  |
| <b>4QUEC3</b>              | <b>0.83</b>                     | -0.22 | 0.37 | <b>1.24</b> | -1.08 | 0.39 | <b>8.91</b> | 0.16  | 0.20 | <b>1.10</b> | -0.04 | 0.44 | <b>1.63</b> | -0.76 | 0.29             |  |
|                            |                                 | -0.05 | 0.01 |             | -0.35 | 0.02 |             | 0.30  | 0.03 |             | -0.01 | 0.02 |             | -0.36 | 0.02             |  |
| <b>M938NJ</b>              | <b>0.93</b>                     | 0.22  | 0.34 | <b>1.61</b> | 0.04  | 0.68 | <b>8.77</b> | 0.09  | 0.76 | <b>1.05</b> | -0.34 | 0.87 | <b>2.07</b> | 0.17  | 0.25             |  |
|                            |                                 | 0.05  | 0.01 |             | 0.01  | 0.03 |             | 0.17  | 0.11 |             | -0.06 | 0.04 |             | 0.08  | 0.02             |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Z4BZ87</b>            | <b>0.93</b>        | 0.24    | 2.04    | <b>1.64</b>        | 0.13    | 1.79    | <b>8.47</b>        | -0.07   | 1.42    | <b>1.12</b>        | 0.07    | 0.44    | <b>2.10</b>        | 0.23    | 2.37    |
|                          |                    | 0.05    | 0.08    |                    | 0.04    | 0.07    |                    | -0.14   | 0.21    |                    | 0.01    | 0.02    |                    | 0.11    | 0.16    |
| <b>6K3QU3</b>            | <b>0.80</b>        | -0.34   | 0.40    | <b>1.40</b>        | -0.60   | 0.68    | <b>7.61</b>        | -0.51   | 0.10    | <b>0.91</b>        | -1.06   | 0.42    | <b>1.71</b>        | -0.60   | 0.22    |
|                          |                    | -0.08   | 0.02    |                    | -0.20   | 0.03    |                    | -1.00   | 0.02    |                    | -0.20   | 0.02    |                    | -0.28   | 0.02    |
| <b>ACVHGX</b>            | <b>1.56</b>        | 3.03    | 0.00    | <b>2.33</b>        | 2.24    | 0.00    | <b>15.02</b>       | 3.30    | 0.00    | <b>1.67</b>        | 2.97    | 0.00    | <b>3.05</b>        | 2.23    | 0.00    |
|                          |                    | 0.68    | 0.00    |                    | 0.73    | 0.00    |                    | 6.41    | 0.00    |                    | 0.56    | 0.00    |                    | 1.06    | 0.00    |
| <b>6UNU32</b>            | <b>1.38</b>        | 2.22    |         | <b>2.39</b>        | 2.43    |         | <b>14.38</b>       | 2.97    |         | <b>1.80</b>        | 3.65    |         | <b>3.23</b>        | 2.61    |         |
|                          |                    | 0.50    | 0.00    |                    | 0.79    | 0.00    |                    | 5.77    | 0.00    |                    | 0.69    | 0.00    |                    | 1.24    | 0.00    |
| <b>XJT9V6</b>            | <b>0.73</b>        | -0.68   |         | <b>1.52</b>        | -0.23   |         | <b>0.80</b>        | -4.01   |         | <b>1.13</b>        | 0.12    |         | <b>1.66</b>        | -0.69   |         |
|                          |                    | -0.15   | 0.00    |                    | -0.07   | 0.00    |                    | -7.80   | 0.00    |                    | 0.02    | 0.00    |                    | -0.33   | 0.00    |
| <b>Grand Median</b>      |                    | 0.88    |         |                    | 1.60    |         |                    | 8.61    |         |                    | 1.11    |         |                    | 1.99    |         |
| <b>Median Abs Dev</b>    |                    | 0.08    |         |                    | 0.15    |         |                    | 0.70    |         |                    | 0.08    |         |                    | 0.25    |         |
| <b>Avg Within Lab SD</b> |                    | 0.04    |         |                    | 0.04    |         |                    | 0.15    |         |                    | 0.05    |         |                    | 0.07    |         |
| <b>Labs Included</b>     |                    | 25      |         |                    | 25      |         |                    | 25      |         |                    | 25      |         |                    | 25      |         |
| <b>Labs Reporting</b>    |                    | 25      |         |                    | 25      |         |                    | 25      |         |                    | 25      |         |                    | 25      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| HCO3 -sp (SubTestCode 104) | in the Salinity Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: mmolc/L |       |      |
|----------------------------|---------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|                            | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610          |       |      |
| <b>P2ZHMY</b>              | <b>3.79</b>                     | 0.48  | 0.37 | <b>0.93</b> | 1.83  | 0.06 | <b>3.27</b> | -0.12 | 1.64 | <b>0.72</b> | 1.83  | 1.60 | <b>1.09</b>         | 1.18  | 0.53 |
|                            |                                 | 0.69  | 0.08 |             | 0.53  | 0.00 |             | -0.10 | 0.16 |             | 0.38  | 0.07 |                     | 0.50  | 0.06 |
| <b>ETFYA8</b>              | <b>2.49</b>                     | -0.43 | 1.65 | <b>0.33</b> | -0.24 | 0.00 | <b>2.28</b> | -1.23 | 0.00 | <b>0.33</b> | -0.06 | 0.00 | <b>0.33</b>         | -0.63 | 0.00 |
|                            |                                 | -0.61 | 0.38 |             | -0.07 | 0.00 |             | -1.10 | 0.00 |             | -0.01 | 0.00 |                     | -0.27 | 0.00 |
| <b>QHLKDT</b>              | <b>2.78</b>                     | -0.22 | 0.90 | <b>0.39</b> | 0.00  | 2.76 | <b>3.75</b> | 0.42  | 0.49 | <b>0.34</b> | 0.00  | 0.00 | <b>0.59</b>         | 0.00  | 0.79 |
|                            |                                 | -0.32 | 0.20 |             | 0.00  | 0.05 |             | 0.38  | 0.05 |             | 0.00  | 0.00 |                     | 0.00  | 0.08 |
| <b>NM37AU</b>              | <b>1.39</b>                     | -1.20 | 0.27 | <b>0.32</b> | -0.24 | 1.18 | <b>1.71</b> | -1.87 | 1.09 | <b>0.35</b> | 0.06  | 2.54 | <b>0.42</b>         | -0.41 | 0.70 |
|                            |                                 | -1.71 | 0.06 |             | -0.07 | 0.02 |             | -1.67 | 0.11 |             | 0.01  | 0.11 |                     | -0.18 | 0.08 |
| <b>LU92FX</b>              | <b>4.10</b>                     | 0.70  |      | <b>0.80</b> | 1.39  |      | <b>3.70</b> | 0.37  |      | <b>0.90</b> | 2.70  |      | <b>1.30</b>         | 1.67  |      |
|                            |                                 | 1.00  | 0.00 |             | 0.41  | 0.00 |             | 0.33  | 0.00 |             | 0.56  | 0.00 |                     | 0.71  | 0.00 |
| <b>Z9LAXF</b>              | <b>4.42</b>                     | 0.93  | 1.38 | <b>0.63</b> | 0.80  | 0.00 | <b>3.37</b> | 0.00  | 1.87 | <b>0.32</b> | -0.09 | 0.00 | <b>0.74</b>         | 0.34  | 1.72 |
|                            |                                 | 1.32  | 0.32 |             | 0.24  | 0.00 |             | 0.00  | 0.18 |             | -0.02 | 0.00 |                     | 0.14  | 0.18 |
| <b>ZTQT9G</b>              | <b>5.33</b>                     | 1.56  | 1.83 | <b>0.40</b> | 0.02  | 0.00 | <b>4.67</b> | 1.45  | 1.17 | <b>0.40</b> | 0.30  | 0.00 | <b>0.53</b>         | -0.14 | 2.15 |
|                            |                                 | 2.23  | 0.42 |             | 0.01  | 0.00 |             | 1.29  | 0.12 |             | 0.06  | 0.00 |                     | -0.06 | 0.23 |
| <b>6UNU32</b>              | <b>2.30</b>                     | -0.56 |      | <b>0.22</b> | -0.61 |      | <b>3.50</b> | 0.14  |      | <b>0.26</b> | -0.37 |      | <b>0.92</b>         | 0.78  |      |
|                            |                                 | -0.80 | 0.00 |             | -0.18 | 0.00 |             | 0.13  | 0.00 |             | -0.08 | 0.00 |                     | 0.33  | 0.00 |
| <b>XJT9V6</b>              | <b>3.10</b>                     | 0.00  |      | <b>0.12</b> | -0.94 |      | <b>2.96</b> | -0.46 |      | <b>0.20</b> | -0.67 |      | <b>0.20</b>         | -0.92 |      |
|                            |                                 | 0.00  | 0.00 |             | -0.27 | 0.00 |             | -0.41 | 0.00 |             | -0.14 | 0.00 |                     | -0.39 | 0.00 |
| <b>Grand Median</b>        |                                 | 3.10  |      |             | 0.39  |      |             | 3.37  |      |             | 0.34  |      |                     | 0.59  |      |
| <b>Median Abs Dev</b>      |                                 | 0.80  |      |             | 0.18  |      |             | 0.38  |      |             | 0.06  |      |                     | 0.27  |      |
| <b>Avg Within Lab SD</b>   |                                 | 0.23  |      |             | 0.02  |      |             | 0.10  |      |             | 0.04  |      |                     | 0.11  |      |
| <b>Labs Included</b>       |                                 | 9     |      |             | 9     |      |             | 9     |      |             | 9     |      |                     | 9     |      |
| <b>Labs Reporting</b>      |                                 | 9     |      |             | 9     |      |             | 9     |      |             | 9     |      |                     | 9     |      |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K - sp (SubTestCode 105) | in the Salinity Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: mmolc/L |
|--------------------------|---------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|
|                          | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                     |
| <b>P2ZHHY</b>            | <b>1.23</b>                     | 0.01  | 0.50 | <b>0.71</b> | 0.26  | 0.84 | <b>1.73</b> | 0.73  | 0.14 | <b>0.34</b> | 0.04  | 0.85 | <b>1.25</b> | 0.48  | 1.16 |                     |
|                          |                                 | 0.00  | 0.03 |             | 0.03  | 0.03 |             | 0.26  | 0.01 |             | 0.00  | 0.03 |             | 0.10  | 0.05 |                     |
| <b>9G9ZXE</b>            | <b>1.12</b>                     | -0.54 | 0.57 | <b>0.67</b> | -0.10 | 1.81 | <b>1.16</b> | -0.88 | 1.37 | <b>0.29</b> | -0.40 | 0.15 | <b>1.11</b> | -0.20 | 0.38 |                     |
|                          |                                 | -0.11 | 0.04 |             | -0.01 | 0.06 |             | -0.31 | 0.12 |             | -0.05 | 0.01 |             | -0.04 | 0.02 |                     |
| <b>QHLKDT</b>            | <b>1.31</b>                     | 0.41  | 0.52 | <b>0.83</b> | 1.14  | 1.04 | <b>1.64</b> | 0.46  | 0.43 | <b>0.36</b> | 0.16  | 0.34 | <b>1.29</b> | 0.64  | 0.64 |                     |
|                          |                                 | 0.08  | 0.03 |             | 0.14  | 0.03 |             | 0.16  | 0.04 |             | 0.02  | 0.01 |             | 0.14  | 0.03 |                     |
| <b>NM37AU</b>            | <b>1.21</b>                     | -0.10 | 2.28 | <b>0.89</b> | 1.68  | 1.14 | <b>1.90</b> | 1.21  | 3.27 | <b>0.58</b> | 2.05  | 3.49 | <b>1.05</b> | -0.46 | 1.96 |                     |
|                          |                                 | -0.02 | 0.15 |             | 0.21  | 0.04 |             | 0.43  | 0.30 |             | 0.24  | 0.13 |             | -0.10 | 0.08 |                     |
| <b>Z9LAXF</b>            | <b>0.91</b>                     | -1.55 | 1.48 | <b>0.49</b> | -1.55 | 0.82 | <b>1.30</b> | -0.48 | 0.39 | <b>0.24</b> | -0.84 | 0.15 | <b>0.91</b> | -1.10 | 0.38 |                     |
|                          |                                 | -0.32 | 0.10 |             | -0.20 | 0.03 |             | -0.17 | 0.04 |             | -0.10 | 0.01 |             | -0.24 | 0.02 |                     |
| <b>QP24XR</b>            | <b>1.01</b>                     | -1.06 | 0.60 | <b>0.61</b> | -0.55 | 0.19 | <b>1.40</b> | -0.22 | 0.28 | <b>0.28</b> | -0.55 | 0.41 | <b>0.83</b> | -1.47 | 1.27 |                     |
|                          |                                 | -0.22 | 0.04 |             | -0.07 | 0.01 |             | -0.08 | 0.03 |             | -0.06 | 0.02 |             | -0.32 | 0.05 |                     |
| <b>Z9HQBC</b>            | <b>1.08</b>                     | -0.74 | 0.30 | <b>0.64</b> | -0.32 | 0.42 | <b>1.34</b> | -0.39 | 0.13 | <b>0.31</b> | -0.22 | 0.44 | <b>1.07</b> | -0.37 | 0.47 |                     |
|                          |                                 | -0.15 | 0.02 |             | -0.04 | 0.01 |             | -0.14 | 0.01 |             | -0.03 | 0.02 |             | -0.08 | 0.02 |                     |
| <b>EDQREV</b>            | <b>1.23</b>                     | 0.00  | 0.31 | <b>0.75</b> | 0.51  | 0.19 | <b>1.58</b> | 0.29  | 0.23 | <b>0.35</b> | 0.12  | 0.15 | <b>1.24</b> | 0.40  | 0.14 |                     |
|                          |                                 | 0.00  | 0.02 |             | 0.06  | 0.01 |             | 0.10  | 0.02 |             | 0.01  | 0.01 |             | 0.09  | 0.01 |                     |
| <b>XXB2JC</b>            | <b>1.24</b>                     | 0.05  | 1.40 | <b>0.66</b> | -0.20 | 0.82 | <b>1.43</b> | -0.12 | 0.72 | <b>0.30</b> | -0.32 | 0.86 | <b>1.04</b> | -0.51 | 1.08 |                     |
|                          |                                 | 0.01  | 0.09 |             | -0.03 | 0.03 |             | -0.04 | 0.07 |             | -0.04 | 0.03 |             | -0.11 | 0.04 |                     |
| <b>4TXAV7</b>            | <b>1.30</b>                     | 0.36  |      | <b>0.74</b> | 0.46  |      | <b>1.64</b> | 0.47  |      | <b>0.34</b> | 0.00  |      | <b>1.25</b> | 0.46  |      |                     |
|                          |                                 | 0.07  | 0.00 |             | 0.06  | 0.00 |             | 0.17  | 0.00 |             | 0.00  | 0.00 |             | 0.10  | 0.00 |                     |
| <b>4QUEC3</b>            | <b>1.01</b>                     | -1.05 | 0.17 | <b>0.66</b> | -0.15 | 1.98 | <b>1.10</b> | -1.05 | 0.06 | <b>0.26</b> | -0.66 | 0.77 | <b>0.88</b> | -1.25 | 0.00 |                     |
|                          |                                 | -0.21 | 0.01 |             | -0.02 | 0.06 |             | -0.37 | 0.01 |             | -0.08 | 0.03 |             | -0.27 | 0.00 |                     |
| <b>M938NJ</b>            | <b>1.20</b>                     | -0.14 | 1.38 | <b>0.69</b> | 0.10  | 0.21 | <b>1.40</b> | -0.20 | 0.31 | <b>0.35</b> | 0.08  | 0.24 | <b>1.18</b> | 0.13  | 1.18 |                     |
|                          |                                 | -0.03 | 0.09 |             | 0.01  | 0.01 |             | -0.07 | 0.03 |             | 0.01  | 0.01 |             | 0.03  | 0.05 |                     |
| <b>Z4BZ87</b>            | <b>1.28</b>                     | 0.25  | 1.48 | <b>0.66</b> | -0.15 | 0.37 | <b>1.47</b> | 0.00  | 0.99 | <b>0.31</b> | -0.23 | 0.31 | <b>1.15</b> | 0.00  | 1.96 |                     |
|                          |                                 | 0.05  | 0.10 |             | -0.02 | 0.01 |             | 0.00  | 0.09 |             | -0.03 | 0.01 |             | 0.00  | 0.08 |                     |
| <b>6UNU32</b>            | <b>1.83</b>                     | 2.95  | 0.36 | <b>0.97</b> | 2.28  | 1.40 | <b>1.85</b> | 1.07  | 0.57 | <b>0.52</b> | 1.53  | 0.16 | <b>1.54</b> | 1.81  | 0.94 |                     |
|                          |                                 | 0.60  | 0.02 |             | 0.29  | 0.04 |             | 0.38  | 0.05 |             | 0.18  | 0.01 |             | 0.39  | 0.04 |                     |
| <b>XJT9V6</b>            | <b>1.41</b>                     | 0.90  |      |             |       |      | <b>2.37</b> | 2.54  |      | <b>0.68</b> | 2.94  |      | <b>1.33</b> | 0.83  |      |                     |
|                          |                                 | 0.18  | 0.00 |             |       |      |             | 0.90  | 0.00 |             | 0.34  | 0.00 |             | 0.18  | 0.00 |                     |
| <b>Grand Median</b>      |                                 | 1.23  |      |             | 0.68  |      |             | 1.47  |      |             | 0.34  |      |             | 1.15  |      |                     |
| <b>Median Abs Dev</b>    |                                 | 0.08  |      |             | 0.05  |      |             | 0.17  |      |             | 0.04  |      |             | 0.10  |      |                     |
| <b>Avg Within Lab SD</b> |                                 | 0.07  |      |             | 0.03  |      |             | 0.09  |      |             | 0.04  |      |             | 0.04  |      |                     |
| <b>Labs Included</b>     |                                 | 15    |      |             | 14    |      |             | 15    |      |             | 15    |      |             | 15    |      |                     |
| <b>Labs Reporting</b>    |                                 | 15    |      |             | 14    |      |             | 15    |      |             | 15    |      |             | 15    |      |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ca - sp (SubTestCode 106) | in the Salinity Property Groups |       |      |              |       |      |              |       |      |             |       |      |              |       |      | Data units: mmol/L |
|---------------------------|---------------------------------|-------|------|--------------|-------|------|--------------|-------|------|-------------|-------|------|--------------|-------|------|--------------------|
|                           | SRSSRS1606                      |       |      | SRSSRS1607   |       |      | SRSSRS1608   |       |      | SRSSRS1609  |       |      | SRSSRS1610   |       |      |                    |
| <b>P2ZHHY</b>             | <b>5.46</b>                     | 0.13  | 1.78 | <b>10.11</b> | 0.90  | 1.09 | <b>38.76</b> | 0.25  | 0.41 | <b>5.82</b> | 0.64  | 1.38 | <b>11.80</b> | 0.10  | 0.31 |                    |
|                           |                                 | 0.13  | 0.43 |              | 1.48  | 0.31 |              | 1.28  | 0.68 |             | 0.66  | 0.36 |              | 0.22  | 0.16 |                    |
| <b>9G9ZXE</b>             | <b>5.04</b>                     | -0.28 | 0.53 | <b>8.09</b>  | -0.33 | 1.80 | <b>29.32</b> | -1.62 | 1.33 | <b>4.50</b> | -0.64 | 0.41 | <b>10.58</b> | -0.44 | 1.13 |                    |
|                           |                                 | -0.29 | 0.13 |              | -0.55 | 0.51 |              | -8.16 | 2.20 |             | -0.66 | 0.11 |              | -1.01 | 0.59 |                    |
| <b>ETFYA8</b>             | <b>4.56</b>                     | -0.75 | 1.07 | <b>8.42</b>  | -0.13 | 0.37 | <b>28.88</b> | -1.70 | 0.34 | <b>5.68</b> | 0.51  | 1.45 | <b>9.88</b>  | -0.75 | 0.70 |                    |
|                           |                                 | -0.78 | 0.26 |              | -0.21 | 0.11 |              | -8.60 | 0.57 |             | 0.53  | 0.38 |              | -1.71 | 0.36 |                    |
| <b>QHLKDT</b>             | <b>5.09</b>                     | -0.23 | 1.12 | <b>9.22</b>  | 0.36  | 1.90 | <b>36.36</b> | -0.22 | 1.15 | <b>4.80</b> | -0.35 | 1.01 | <b>12.22</b> | 0.28  | 1.09 |                    |
|                           |                                 | -0.24 | 0.27 |              | 0.59  | 0.54 |              | -1.12 | 1.90 |             | -0.36 | 0.26 |              | 0.64  | 0.57 |                    |
| <b>NM37AU</b>             | <b>5.17</b>                     | -0.15 | 1.42 | <b>8.45</b>  | -0.11 | 1.44 | <b>37.86</b> | 0.07  | 1.03 | <b>5.32</b> | 0.16  | 2.82 | <b>8.90</b>  | -1.17 | 1.56 |                    |
|                           |                                 | -0.16 | 0.35 |              | -0.18 | 0.41 |              | 0.37  | 1.70 |             | 0.16  | 0.73 |              | -2.68 | 0.81 |                    |
| <b>LU92FX</b>             | <b>5.70</b>                     | 0.36  |      | <b>8.00</b>  | -0.38 |      | <b>38.80</b> | 0.26  |      | <b>6.30</b> | 1.10  |      | <b>13.10</b> | 0.66  |      |                    |
|                           |                                 | 0.37  | 0.00 |              | -0.63 | 0.00 |              | 1.32  | 0.00 |             | 1.14  | 0.00 |              | 1.52  | 0.00 |                    |
| <b>Z9LAXF</b>             | <b>3.87</b>                     | -1.42 | 1.51 | <b>6.28</b>  | -1.42 | 1.41 | <b>29.13</b> | -1.65 | 0.65 | <b>3.94</b> | -1.18 | 0.62 | <b>8.54</b>  | -1.33 | 0.34 |                    |
|                           |                                 | -1.46 | 0.37 |              | -2.35 | 0.41 |              | -8.35 | 1.07 |             | -1.22 | 0.16 |              | -3.05 | 0.18 |                    |
| <b>QP24XR</b>             | <b>4.90</b>                     | -0.41 | 0.12 | <b>9.63</b>  | 0.60  | 0.53 | <b>43.94</b> | 1.28  | 3.45 | <b>4.82</b> | -0.32 | 0.77 | <b>10.34</b> | -0.54 | 0.92 |                    |
|                           |                                 | -0.43 | 0.03 |              | 0.99  | 0.15 |              | 6.46  | 5.71 |             | -0.34 | 0.20 |              | -1.24 | 0.48 |                    |
| <b>KG6H4X</b>             | <b>5.77</b>                     | 0.42  | 0.14 | <b>8.06</b>  | -0.35 | 0.63 | <b>32.68</b> | -0.95 | 0.36 | <b>4.71</b> | -0.43 | 0.50 | <b>9.52</b>  | -0.90 | 2.15 |                    |
|                           |                                 | 0.44  | 0.04 |              | -0.57 | 0.18 |              | -4.80 | 0.60 |             | -0.45 | 0.13 |              | -2.06 | 1.12 |                    |
| <b>ZTQT9G</b>             | <b>5.73</b>                     | 0.39  | 0.94 | <b>9.63</b>  | 0.61  | 1.41 | <b>37.37</b> | -0.02 | 0.34 | <b>6.70</b> | 1.49  | 1.02 | <b>13.80</b> | 0.97  | 0.69 |                    |
|                           |                                 | 0.40  | 0.23 |              | 1.00  | 0.40 |              | -0.12 | 0.57 |             | 1.54  | 0.26 |              | 2.22  | 0.36 |                    |
| <b>HML4ZY</b>             | <b>3.85</b>                     | -1.44 |      | <b>7.01</b>  | -0.98 |      | <b>38.10</b> | 0.12  |      | <b>5.89</b> | 0.71  |      | <b>11.61</b> | 0.01  |      |                    |
|                           |                                 | -1.48 | 0.00 |              | -1.62 | 0.00 |              | 0.62  | 0.00 |             | 0.73  | 0.00 |              | 0.03  | 0.00 |                    |
| <b>YWU4RC</b>             | <b>6.41</b>                     | 1.05  | 0.09 | <b>10.26</b> | 0.98  | 0.32 | <b>39.70</b> | 0.44  | 0.27 | <b>5.45</b> | 0.28  | 0.10 | <b>14.51</b> | 1.28  | 0.16 |                    |
|                           |                                 | 1.08  | 0.02 |              | 1.63  | 0.09 |              | 2.21  | 0.44 |             | 0.29  | 0.03 |              | 2.92  | 0.08 |                    |
| <b>Z9HQBC</b>             | <b>4.43</b>                     | -0.87 | 0.21 | <b>8.21</b>  | -0.26 | 0.61 | <b>31.95</b> | -1.10 | 0.42 | <b>4.25</b> | -0.88 | 1.07 | <b>10.29</b> | -0.56 | 0.79 |                    |
|                           |                                 | -0.90 | 0.05 |              | -0.43 | 0.18 |              | -5.53 | 0.70 |             | -0.91 | 0.28 |              | -1.29 | 0.41 |                    |
| <b>EDQREV</b>             | <b>5.73</b>                     | 0.38  | 0.44 | <b>10.06</b> | 0.87  | 0.24 | <b>42.61</b> | 1.01  | 0.32 | <b>5.66</b> | 0.49  | 0.23 | <b>12.66</b> | 0.47  | 0.39 |                    |
|                           |                                 | 0.40  | 0.11 |              | 1.43  | 0.07 |              | 5.12  | 0.52 |             | 0.51  | 0.06 |              | 1.08  | 0.21 |                    |
| <b>XXB2JC</b>             | <b>6.07</b>                     | 0.71  | 2.17 | <b>9.25</b>  | 0.37  | 0.80 | <b>39.53</b> | 0.41  | 0.91 | <b>4.79</b> | -0.36 | 1.22 | <b>10.83</b> | -0.33 | 0.86 |                    |
|                           |                                 | 0.74  | 0.53 |              | 0.62  | 0.23 |              | 2.05  | 1.50 |             | -0.37 | 0.32 |              | -0.75 | 0.45 |                    |
| <b>4TXAV7</b>             | <b>6.09</b>                     | 0.74  |      | <b>10.03</b> | 0.85  |      | <b>40.62</b> | 0.62  |      | <b>5.59</b> | 0.42  |      | <b>12.77</b> | 0.52  |      |                    |
|                           |                                 | 0.76  | 0.00 |              | 1.40  | 0.00 |              | 3.14  | 0.00 |             | 0.43  | 0.00 |              | 1.19  | 0.00 |                    |
| <b>4QUEC3</b>             | <b>5.20</b>                     | -0.13 | 0.00 | <b>6.48</b>  | -1.30 | 0.53 | <b>34.03</b> | -0.68 | 0.82 | <b>4.99</b> | -0.16 | 0.02 | <b>8.57</b>  | -1.32 | 0.11 |                    |
|                           |                                 | -0.13 | 0.00 |              | -2.15 | 0.15 |              | -3.45 | 1.36 |             | -0.16 | 0.01 |              | -3.02 | 0.06 |                    |
| <b>M938NJ</b>             | <b>5.20</b>                     | -0.13 | 1.25 | <b>8.87</b>  | 0.14  | 0.31 | <b>36.58</b> | -0.18 | 0.35 | <b>4.80</b> | -0.34 | 0.58 | <b>11.55</b> | -0.01 | 0.93 |                    |
|                           |                                 | -0.13 | 0.30 |              | 0.24  | 0.09 |              | -0.91 | 0.57 |             | -0.35 | 0.15 |              | -0.03 | 0.49 |                    |
| <b>Z4BZ87</b>             | <b>5.81</b>                     | 0.46  | 1.56 | <b>8.82</b>  | 0.11  | 1.38 | <b>37.60</b> | 0.02  | 0.95 | <b>4.79</b> | -0.36 | 1.07 | <b>11.83</b> | 0.11  | 2.44 |                    |
|                           |                                 | 0.48  | 0.38 |              | 0.18  | 0.39 |              | 0.12  | 1.57 |             | -0.37 | 0.28 |              | 0.25  | 1.27 |                    |
| <b>ACVHGX</b>             | <b>10.70</b>                    | 5.21  | 0.00 | <b>14.58</b> | 3.60  | 0.00 | <b>51.19</b> | 2.72  | 0.00 | <b>8.76</b> | 3.47  | 0.00 | <b>18.88</b> | 3.19  | 0.00 |                    |
|                           |                                 | 5.37  | 0.00 |              | 5.95  | 0.00 |              | 13.71 | 0.00 |             | 3.60  | 0.00 |              | 7.30  | 0.00 |                    |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6UNU32</b>            | <b>8.45</b>        | 3.03    | 0.06    | <b>12.66</b>       | 2.44    | 1.29    | <b>41.85</b>       | 0.87    | 0.37    | <b>7.97</b>        | 2.71    | 0.65    | <b>15.51</b>       | 1.72    | 0.25    |
|                          |                    | 3.12    | 0.01    |                    | 4.03    | 0.37    |                    | 4.37    | 0.61    |                    | 2.81    | 0.17    |                    | 3.93    | 0.13    |
| <b>XJT9V6</b>            | <b>5.74</b>        | 0.40    |         | <b>0.06</b>        | -5.19   |         | <b>37.13</b>       | -0.07   |         | <b>7.27</b>        | 2.04    |         | <b>13.53</b>       | 0.85    |         |
|                          |                    | 0.41    | 0.00    |                    | -8.57   | 0.00    |                    | -0.35   | 0.00    |                    | 2.11    | 0.00    |                    | 1.95    | 0.00    |
| <b>Grand Median</b>      |                    | 5.33    |         |                    | 8.63    |         |                    | 37.5    |         |                    | 5.16    |         |                    | 11.6    |         |
| <b>Median Abs Dev</b>    |                    | 0.42    |         |                    | 0.81    |         |                    | 2.1     |         |                    | 0.48    |         |                    | 1.3     |         |
| <b>Avg Within Lab SD</b> |                    | 0.24    |         |                    | 0.29    |         |                    | 1.7     |         |                    | 0.26    |         |                    | 0.5     |         |
| <b>Labs Included</b>     |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |
| <b>Labs Reporting</b>    |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mg - sp (SubTestCode 107) | in the Salinity Property Groups |       |      |             |       |      |              |        |      |             |       |      |             |       |      | Data units: mmol/L |
|---------------------------|---------------------------------|-------|------|-------------|-------|------|--------------|--------|------|-------------|-------|------|-------------|-------|------|--------------------|
|                           | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608   |        |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                    |
| <b>P2ZHXY</b>             | <b>0.93</b>                     | -0.42 | 0.67 | <b>4.41</b> | 0.84  | 1.15 | <b>38.04</b> | 0.26   | 0.40 | <b>2.69</b> | 0.31  | 0.95 | <b>4.70</b> | 0.08  | 0.15 |                    |
|                           |                                 | -0.10 | 0.05 |             | 0.58  | 0.15 |              | 1.40   | 0.64 |             | 0.19  | 0.19 |             | 0.08  | 0.03 |                    |
| <b>9G9ZXE</b>             | <b>0.85</b>                     | -0.74 | 0.71 | <b>3.36</b> | -0.69 | 1.11 | <b>26.03</b> | -1.95  | 1.28 | <b>2.03</b> | -0.75 | 0.39 | <b>3.84</b> | -0.82 | 0.78 |                    |
|                           |                                 | -0.17 | 0.05 |             | -0.48 | 0.14 |              | -10.60 | 2.03 |             | -0.47 | 0.08 |             | -0.78 | 0.18 |                    |
| <b>ETFYA8</b>             | <b>1.12</b>                     | 0.42  | 1.23 | <b>3.84</b> | 0.00  | 0.84 | <b>33.34</b> | -0.61  | 0.75 | <b>3.46</b> | 1.55  | 2.31 | <b>3.98</b> | -0.67 | 0.79 |                    |
|                           |                                 | 0.10  | 0.09 |             | 0.00  | 0.11 |              | -3.30  | 1.20 |             | 0.97  | 0.46 |             | -0.64 | 0.18 |                    |
| <b>QHLKDT</b>             | <b>0.99</b>                     | -0.15 | 0.49 | <b>4.23</b> | 0.58  | 1.35 | <b>36.65</b> | 0.00   | 0.66 | <b>2.47</b> | -0.03 | 0.47 | <b>4.94</b> | 0.33  | 1.24 |                    |
|                           |                                 | -0.04 | 0.04 |             | 0.40  | 0.17 |              | 0.01   | 1.06 |             | -0.02 | 0.09 |             | 0.32  | 0.28 |                    |
| <b>NM37AU</b>             | <b>1.25</b>                     | 1.00  | 2.13 | <b>3.71</b> | -0.18 | 1.49 | <b>36.62</b> | 0.00   | 3.48 | <b>3.17</b> | 1.07  | 3.12 | <b>3.82</b> | -0.84 | 1.80 |                    |
|                           |                                 | 0.23  | 0.15 |             | -0.12 | 0.19 |              | -0.01  | 5.55 |             | 0.67  | 0.62 |             | -0.80 | 0.41 |                    |
| <b>LU92FX</b>             | <b>1.20</b>                     | 0.77  |      | <b>3.40</b> | -0.63 |      | <b>29.90</b> | -1.24  |      | <b>3.40</b> | 1.45  |      | <b>4.90</b> | 0.29  |      |                    |
|                           |                                 | 0.18  | 0.00 |             | -0.43 | 0.00 |              | -6.74  | 0.00 |             | 0.90  | 0.00 |             | 0.28  | 0.00 |                    |
| <b>Z9LAXF</b>             | <b>0.90</b>                     | -0.55 | 1.98 | <b>2.94</b> | -1.30 | 1.55 | <b>31.33</b> | -0.98  | 0.69 | <b>1.99</b> | -0.80 | 0.56 | <b>3.49</b> | -1.18 | 0.09 |                    |
|                           |                                 | -0.13 | 0.14 |             | -0.89 | 0.20 |              | -5.30  | 1.11 |             | -0.50 | 0.11 |             | -1.13 | 0.02 |                    |
| <b>QP24XR</b>             | <b>0.85</b>                     | -0.77 | 0.21 | <b>3.81</b> | -0.03 | 0.44 | <b>34.36</b> | -0.42  | 0.39 | <b>2.12</b> | -0.60 | 0.41 | <b>3.62</b> | -1.04 | 0.97 |                    |
|                           |                                 | -0.18 | 0.02 |             | -0.02 | 0.06 |              | -2.27  | 0.63 |             | -0.38 | 0.08 |             | -1.00 | 0.22 |                    |
| <b>KG6H4X</b>             | <b>1.39</b>                     | 1.60  | 1.67 | <b>3.57</b> | -0.38 | 1.48 | <b>31.88</b> | -0.88  | 0.18 | <b>2.33</b> | -0.26 | 0.46 | <b>3.96</b> | -0.69 | 2.21 |                    |
|                           |                                 | 0.37  | 0.12 |             | -0.26 | 0.19 |              | -4.76  | 0.28 |             | -0.17 | 0.09 |             | -0.66 | 0.50 |                    |
| <b>ZTQT9G</b>             | <b>1.13</b>                     | 0.48  | 0.80 | <b>4.33</b> | 0.73  | 1.62 | <b>39.10</b> | 0.45   | 0.79 | <b>3.23</b> | 1.18  | 1.17 | <b>5.27</b> | 0.68  | 0.92 |                    |
|                           |                                 | 0.11  | 0.06 |             | 0.50  | 0.21 |              | 2.46   | 1.25 |             | 0.74  | 0.23 |             | 0.65  | 0.21 |                    |
| <b>HML4ZY</b>             | <b>0.98</b>                     | -0.19 |      | <b>3.83</b> | 0.00  |      | <b>40.14</b> | 0.65   |      | <b>3.27</b> | 1.24  |      | <b>5.52</b> | 0.94  |      |                    |
|                           |                                 | -0.04 | 0.00 |             | 0.00  | 0.00 |              | 3.50   | 0.00 |             | 0.77  | 0.00 |             | 0.90  | 0.00 |                    |
| <b>YWU4RC</b>             | <b>1.28</b>                     | 1.13  | 0.08 | <b>4.47</b> | 0.93  | 0.21 | <b>38.50</b> | 0.34   | 0.25 | <b>2.52</b> | 0.03  | 0.03 | <b>5.44</b> | 0.86  | 0.16 |                    |
|                           |                                 | 0.26  | 0.01 |             | 0.64  | 0.03 |              | 1.86   | 0.41 |             | 0.02  | 0.01 |             | 0.82  | 0.04 |                    |
| <b>Z9HQBC</b>             | <b>0.94</b>                     | -0.35 | 0.28 | <b>3.63</b> | -0.30 | 0.76 | <b>31.87</b> | -0.88  | 0.25 | <b>2.15</b> | -0.55 | 0.16 | <b>4.04</b> | -0.61 | 0.41 |                    |
|                           |                                 | -0.08 | 0.02 |             | -0.21 | 0.10 |              | -4.76  | 0.39 |             | -0.34 | 0.03 |             | -0.58 | 0.09 |                    |
| <b>EDQREV</b>             | <b>1.03</b>                     | 0.01  | 0.56 | <b>4.48</b> | 0.95  | 0.55 | <b>38.95</b> | 0.43   | 0.36 | <b>2.64</b> | 0.23  | 0.20 | <b>4.96</b> | 0.36  | 0.23 |                    |
|                           |                                 | 0.00  | 0.04 |             | 0.65  | 0.07 |              | 2.32   | 0.57 |             | 0.14  | 0.04 |             | 0.34  | 0.05 |                    |
| <b>XXB2JC</b>             | <b>1.24</b>                     | 0.94  | 1.41 | <b>4.24</b> | 0.60  | 0.78 | <b>38.64</b> | 0.37   | 0.87 | <b>2.36</b> | -0.21 | 0.84 | <b>4.38</b> | -0.25 | 0.75 |                    |
|                           |                                 | 0.22  | 0.10 |             | 0.41  | 0.10 |              | 2.00   | 1.38 |             | -0.13 | 0.17 |             | -0.24 | 0.17 |                    |
| <b>4TXAV7</b>             | <b>1.19</b>                     | 0.73  |      | <b>4.53</b> | 1.01  |      | <b>42.63</b> | 1.10   |      | <b>2.78</b> | 0.45  |      | <b>5.27</b> | 0.68  |      |                    |
|                           |                                 | 0.17  | 0.00 |             | 0.70  | 0.00 |              | 5.99   | 0.00 |             | 0.28  | 0.00 |             | 0.65  | 0.00 |                    |
| <b>4QUEC3</b>             | <b>1.02</b>                     | -0.01 | 0.24 | <b>3.08</b> | -1.10 | 0.59 | <b>35.83</b> | -0.15  | 0.91 | <b>2.39</b> | -0.17 | 0.03 | <b>3.46</b> | -1.21 | 0.13 |                    |
|                           |                                 | 0.00  | 0.02 |             | -0.76 | 0.08 |              | -0.80  | 1.44 |             | -0.11 | 0.01 |             | -1.16 | 0.03 |                    |
| <b>M938NJ</b>             | <b>0.98</b>                     | -0.18 | 0.77 | <b>3.97</b> | 0.20  | 0.43 | <b>34.88</b> | -0.32  | 0.30 | <b>2.37</b> | -0.21 | 0.38 | <b>4.54</b> | -0.08 | 0.82 |                    |
|                           |                                 | -0.04 | 0.06 |             | 0.14  | 0.05 |              | -1.76  | 0.47 |             | -0.13 | 0.08 |             | -0.08 | 0.18 |                    |
| <b>Z4BZ87</b>             | <b>1.21</b>                     | 0.80  | 1.48 | <b>4.12</b> | 0.42  | 1.29 | <b>39.13</b> | 0.46   | 1.22 | <b>2.41</b> | -0.14 | 0.71 | <b>4.80</b> | 0.19  | 2.39 |                    |
|                           |                                 | 0.18  | 0.11 |             | 0.29  | 0.17 |              | 2.50   | 1.94 |             | -0.09 | 0.14 |             | 0.18  | 0.54 |                    |
| <b>ACVHGX</b>             | <b>2.33</b>                     | 5.69  | 0.00 | <b>6.61</b> | 4.04  | 0.00 | <b>58.72</b> | 4.07   | 0.00 | <b>4.51</b> | 3.22  | 0.00 | <b>7.69</b> | 3.22  | 0.00 |                    |
|                           |                                 | 1.31  | 0.00 |             | 2.78  | 0.00 |              | 22.08  | 0.00 |             | 2.01  | 0.00 |             | 3.07  | 0.00 |                    |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6UNU32</b>            | <b>1.54</b>        | 2.23    | 0.32    | <b>5.65</b>        | 2.63    | 1.24    | <b>47.47</b>       | 2.00    | 0.62    | <b>3.91</b>        | 2.25    | 0.43    | <b>6.21</b>        | 1.67    | 0.25    |
|                          |                    | 0.51    | 0.02    |                    | 1.81    | 0.16    |                    | 10.83   | 0.99    |                    | 1.41    | 0.08    |                    | 1.59    | 0.06    |
| <b>XJT9V6</b>            | <b>1.00</b>        | -0.10   |         | <b>0.01</b>        | -5.56   |         | <b>38.26</b>       | 0.30    |         | <b>3.15</b>        | 1.05    |         | <b>5.28</b>        | 0.69    |         |
|                          |                    | -0.02   | 0.00    |                    | -3.82   | 0.00    |                    | 1.62    | 0.00    |                    | 0.65    | 0.00    |                    | 0.66    | 0.00    |
| <b>Grand Median</b>      |                    | 1.02    |         |                    | 3.83    |         |                    | 36.6    |         |                    | 2.50    |         |                    | 4.62    |         |
| <b>Median Abs Dev</b>    |                    | 0.12    |         |                    | 0.42    |         |                    | 2.4     |         |                    | 0.31    |         |                    | 0.65    |         |
| <b>Avg Within Lab SD</b> |                    | 0.07    |         |                    | 0.13    |         |                    | 1.6     |         |                    | 0.20    |         |                    | 0.23    |         |
| <b>Labs Included</b>     |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |
| <b>Labs Reporting</b>    |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Na - sp (SubTestCode 108) | in the Salinity Property Groups |       |      |             |       |      |              |        |      |             |       |      |             |       |      | Data units: mmolc/L |
|---------------------------|---------------------------------|-------|------|-------------|-------|------|--------------|--------|------|-------------|-------|------|-------------|-------|------|---------------------|
|                           | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608   |        |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                     |
| <b>P2ZHHY</b>             | <b>1.25</b>                     | 0.33  | 0.88 | <b>2.97</b> | 21.65 | 9.45 | <b>37.13</b> | 0.09   | 1.27 | <b>1.67</b> | 0.01  | 0.11 | <b>0.78</b> | 0.10  | 0.06 |                     |
|                           |                                 | 0.09  | 0.06 |             | 2.49  | 0.47 |              | 0.69   | 1.80 |             | 0.00  | 0.01 |             | 0.02  | 0.00 |                     |
| <b>9G9ZXE</b>             | <b>1.07</b>                     | -0.37 | 0.64 | <b>0.43</b> | -0.33 | 0.51 | <b>25.52</b> | -1.47  | 0.78 | <b>1.36</b> | -0.69 | 0.41 | <b>0.63</b> | -0.78 | 0.21 |                     |
|                           |                                 | -0.10 | 0.05 |             | -0.04 | 0.03 |              | -10.93 | 1.10 |             | -0.31 | 0.04 |             | -0.13 | 0.02 |                     |
| <b>ETFYA8</b>             | <b>1.17</b>                     | 0.01  | 1.39 | <b>0.64</b> | 1.43  | 1.84 | <b>29.48</b> | -0.94  | 1.33 | <b>2.67</b> | 2.29  | 1.34 | <b>0.90</b> | 0.83  | 0.49 |                     |
|                           |                                 | 0.00  | 0.10 |             | 0.16  | 0.09 |              | -6.97  | 1.89 |             | 1.01  | 0.14 |             | 0.14  | 0.04 |                     |
| <b>QHLKDT</b>             | <b>1.28</b>                     | 0.44  | 0.82 | <b>0.51</b> | 0.33  | 0.53 | <b>40.07</b> | 0.49   | 2.15 | <b>1.72</b> | 0.13  | 0.75 | <b>0.93</b> | 0.98  | 0.72 |                     |
|                           |                                 | 0.11  | 0.06 |             | 0.04  | 0.03 |              | 3.62   | 3.05 |             | 0.06  | 0.08 |             | 0.16  | 0.05 |                     |
| <b>NM37AU</b>             | <b>1.04</b>                     | -0.49 | 3.37 | <b>0.59</b> | 1.03  | 3.05 | <b>33.38</b> | -0.41  | 2.79 | <b>1.79</b> | 0.27  | 3.21 | <b>0.82</b> | 0.32  | 2.49 |                     |
|                           |                                 | -0.13 | 0.24 |             | 0.12  | 0.15 |              | -3.07  | 3.95 |             | 0.12  | 0.34 |             | 0.05  | 0.18 |                     |
| <b>LU92FX</b>             | <b>1.20</b>                     | 0.13  |      | <b>0.40</b> | -0.62 |      | <b>40.10</b> | 0.49   |      | <b>2.70</b> | 2.35  |      | <b>0.80</b> | 0.22  |      |                     |
|                           |                                 | 0.03  | 0.00 |             | -0.07 | 0.00 |              | 3.65   | 0.00 |             | 1.03  | 0.00 |             | 0.04  | 0.00 |                     |
| <b>Z9LAXF</b>             | <b>0.90</b>                     | -1.01 | 1.52 | <b>0.41</b> | -0.51 | 0.62 | <b>28.17</b> | -1.12  | 0.74 | <b>1.26</b> | -0.92 | 0.95 | <b>0.59</b> | -1.02 | 0.69 |                     |
|                           |                                 | -0.26 | 0.11 |             | -0.06 | 0.03 |              | -8.28  | 1.05 |             | -0.41 | 0.10 |             | -0.17 | 0.05 |                     |
| <b>QP24XR</b>             | <b>1.13</b>                     | -0.13 | 0.65 | <b>0.45</b> | -0.22 | 2.02 | <b>30.92</b> | -0.74  | 0.10 | <b>1.39</b> | -0.63 | 1.17 | <b>0.59</b> | -1.04 | 1.48 |                     |
|                           |                                 | -0.03 | 0.05 |             | -0.03 | 0.10 |              | -5.53  | 0.15 |             | -0.28 | 0.13 |             | -0.17 | 0.11 |                     |
| <b>KG6H4X</b>             | <b>1.11</b>                     | -0.22 | 0.42 | <b>0.38</b> | -0.77 | 0.58 | <b>31.11</b> | -0.72  | 0.07 | <b>1.48</b> | -0.42 | 0.56 | <b>0.63</b> | -0.82 | 0.88 |                     |
|                           |                                 | -0.06 | 0.03 |             | -0.09 | 0.03 |              | -5.34  | 0.10 |             | -0.19 | 0.06 |             | -0.14 | 0.06 |                     |
| <b>ZTQT9G</b>             | <b>1.30</b>                     | 0.51  | 0.00 | <b>0.47</b> | -0.04 | 1.17 | <b>37.13</b> | 0.09   | 0.92 | <b>1.73</b> | 0.15  | 0.54 | <b>0.77</b> | 0.02  | 0.79 |                     |
|                           |                                 | 0.13  | 0.00 |             | -0.01 | 0.06 |              | 0.69   | 1.31 |             | 0.07  | 0.06 |             | 0.00  | 0.06 |                     |
| <b>HML4ZY</b>             | <b>0.94</b>                     | -0.87 |      | <b>0.41</b> | -0.54 |      | <b>36.16</b> | -0.04  |      | <b>1.71</b> | 0.10  |      | <b>0.76</b> | -0.02 |      |                     |
|                           |                                 | -0.23 | 0.00 |             | -0.06 | 0.00 |              | -0.29  | 0.00 |             | 0.04  | 0.00 |             | 0.00  | 0.00 |                     |
| <b>YWU4RC</b>             | <b>1.40</b>                     | 0.89  | 0.00 | <b>0.57</b> | 0.88  | 0.12 | <b>37.74</b> | 0.17   | 0.12 | <b>1.68</b> | 0.04  | 0.14 | <b>0.89</b> | 0.76  | 0.00 |                     |
|                           |                                 | 0.23  | 0.00 |             | 0.10  | 0.01 |              | 1.29   | 0.16 |             | 0.02  | 0.02 |             | 0.13  | 0.00 |                     |
| <b>Z9HQBC</b>             | <b>1.01</b>                     | -0.61 | 0.23 | <b>0.53</b> | 0.47  | 0.34 | <b>29.05</b> | -1.00  | 0.19 | <b>1.44</b> | -0.51 | 1.38 | <b>0.74</b> | -0.15 | 2.13 |                     |
|                           |                                 | -0.16 | 0.02 |             | 0.05  | 0.02 |              | -7.39  | 0.27 |             | -0.22 | 0.15 |             | -0.03 | 0.16 |                     |
| <b>EDQREV</b>             | <b>1.16</b>                     | -0.01 | 0.49 | <b>0.60</b> | 1.11  | 0.35 | <b>37.73</b> | 0.17   | 0.50 | <b>1.66</b> | -0.01 | 0.11 | <b>0.82</b> | 0.32  | 1.82 |                     |
|                           |                                 | 0.00  | 0.04 |             | 0.13  | 0.02 |              | 1.28   | 0.70 |             | 0.00  | 0.01 |             | 0.05  | 0.13 |                     |
| <b>XXB2JC</b>             | <b>1.30</b>                     | 0.50  | 1.16 | <b>0.48</b> | 0.04  | 0.31 | <b>39.88</b> | 0.46   | 1.01 | <b>1.58</b> | -0.19 | 1.13 | <b>0.68</b> | -0.52 | 0.29 |                     |
|                           |                                 | 0.13  | 0.08 |             | 0.01  | 0.02 |              | 3.44   | 1.43 |             | -0.08 | 0.12 |             | -0.09 | 0.02 |                     |
| <b>4TXAV7</b>             | <b>1.27</b>                     | 0.39  |      | <b>0.52</b> | 0.42  |      | <b>41.00</b> | 0.61   |      | <b>1.70</b> | 0.08  |      | <b>0.78</b> | 0.10  |      |                     |
|                           |                                 | 0.10  | 0.00 |             | 0.05  | 0.00 |              | 4.55   | 0.00 |             | 0.03  | 0.00 |             | 0.02  | 0.00 |                     |
| <b>4QUEC3</b>             | <b>1.04</b>                     | -0.49 | 0.24 | <b>0.39</b> | -0.74 | 0.31 | <b>32.63</b> | -0.51  | 0.09 | <b>1.38</b> | -0.65 | 0.32 | <b>0.56</b> | -1.20 | 0.16 |                     |
|                           |                                 | -0.13 | 0.02 |             | -0.09 | 0.02 |              | -3.82  | 0.13 |             | -0.29 | 0.03 |             | -0.20 | 0.01 |                     |
| <b>M938NJ</b>             | <b>1.10</b>                     | -0.25 | 0.59 | <b>0.41</b> | -0.58 | 0.07 | <b>32.55</b> | -0.53  | 0.54 | <b>1.52</b> | -0.32 | 0.43 | <b>0.65</b> | -0.70 | 0.36 |                     |
|                           |                                 | -0.06 | 0.04 |             | -0.07 | 0.00 |              | -3.90  | 0.76 |             | -0.14 | 0.05 |             | -0.12 | 0.03 |                     |
| <b>Z4BZ87</b>             | <b>1.25</b>                     | 0.32  | 0.77 | <b>0.48</b> | 0.07  | 0.00 | <b>36.73</b> | 0.04   | 1.38 | <b>1.50</b> | -0.37 | 0.84 | <b>0.72</b> | -0.28 | 0.87 |                     |
|                           |                                 | 0.08  | 0.06 |             | 0.01  | 0.00 |              | 0.29   | 1.96 |             | -0.16 | 0.09 |             | -0.05 | 0.06 |                     |
| <b>ACVHGX</b>             | <b>2.21</b>                     | 3.99  | 0.00 | <b>0.78</b> | 2.68  | 0.00 | <b>54.23</b> | 2.40   | 0.00 | <b>2.47</b> | 1.82  | 0.00 | <b>1.18</b> | 2.51  | 0.00 |                     |
|                           |                                 | 1.04  | 0.00 |             | 0.31  | 0.00 |              | 17.78  | 0.00 |             | 0.80  | 0.00 |             | 0.42  | 0.00 |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6UNU32</b>            | <b>1.65</b>        | 1.86    | 0.28    | <b>0.55</b>        | 0.68    | 0.43    | <b>44.49</b>       | 1.08    | 0.49    | <b>2.36</b>        | 1.57    | 0.28    | <b>0.91</b>        | 0.88    | 0.31    |
|                          |                    | 0.49    | 0.02    |                    | 0.08    | 0.02    |                    | 8.05    | 0.70    |                    | 0.69    | 0.03    |                    | 0.15    | 0.02    |
| <b>XJT9V6</b>            | <b>1.74</b>        | 2.19    |         | <b>0.01</b>        | -4.01   |         | <b>38.26</b>       | 0.24    |         | <b>3.05</b>        | 3.14    |         | <b>1.47</b>        | 4.25    |         |
|                          |                    | 0.57    | 0.00    |                    | -0.46   | 0.00    |                    | 1.81    | 0.00    |                    | 1.38    | 0.00    |                    | 0.71    | 0.00    |
| <b>Grand Median</b>      |                    | 1.17    |         |                    | 0.47    |         |                    | 36.4    |         |                    | 1.67    |         |                    | 0.76    |         |
| <b>Median Abs Dev</b>    |                    | 0.11    |         |                    | 0.06    |         |                    | 3.6     |         |                    | 0.15    |         |                    | 0.10    |         |
| <b>Avg Within Lab SD</b> |                    | 0.07    |         |                    | 0.05    |         |                    | 1.4     |         |                    | 0.11    |         |                    | 0.07    |         |
| <b>Labs Included</b>     |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |
| <b>Labs Reporting</b>    |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SAR - sp (SubTestCode 109) | in the Salinity Property Groups |       |      |             |       |      |              |       |      |             |       |      |             |       |      | Data units: value |
|----------------------------|---------------------------------|-------|------|-------------|-------|------|--------------|-------|------|-------------|-------|------|-------------|-------|------|-------------------|
|                            | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608   |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                   |
| <b>P2ZHHY</b>              | <b>0.70</b>                     | 0.43  | 1.77 | <b>1.10</b> | 8.67  | 3.77 | <b>5.99</b>  | 0.03  | 1.21 | <b>0.81</b> | -0.03 | 0.48 | <b>0.27</b> | 0.06  | 0.00 |                   |
|                            |                                 | 0.03  | 0.06 |             | 0.91  | 0.19 |              | 0.04  | 0.24 |             | 0.00  | 0.02 |             | 0.00  | 0.00 |                   |
| <b>ETFYA8</b>              | <b>0.69</b>                     | 0.33  | 1.10 | <b>0.26</b> | 0.59  | 0.71 | <b>5.28</b>  | -0.43 | 1.46 | <b>1.25</b> | 3.60  | 1.27 | <b>0.34</b> | 1.74  | 0.72 |                   |
|                            |                                 | 0.02  | 0.04 |             | 0.06  | 0.04 |              | -0.67 | 0.29 |             | 0.44  | 0.05 |             | 0.07  | 0.02 |                   |
| <b>QHLKDT</b>              | <b>0.74</b>                     | 0.88  | 0.89 | <b>0.20</b> | 0.02  | 0.16 | <b>6.63</b>  | 0.44  | 2.40 | <b>0.90</b> | 0.75  | 0.91 | <b>0.32</b> | 1.12  | 0.63 |                   |
|                            |                                 | 0.07  | 0.03 |             | 0.00  | 0.01 |              | 0.68  | 0.47 |             | 0.09  | 0.04 |             | 0.05  | 0.02 |                   |
| <b>NM37AU</b>              | <b>0.58</b>                     | -1.23 | 3.22 | <b>0.24</b> | 0.42  | 1.11 | <b>5.46</b>  | -0.31 | 2.20 | <b>0.86</b> | 0.42  | 2.90 | <b>0.32</b> | 1.26  | 1.97 |                   |
|                            |                                 | -0.09 | 0.11 |             | 0.04  | 0.06 |              | -0.49 | 0.43 |             | 0.05  | 0.12 |             | 0.05  | 0.06 |                   |
| <b>LU92FX</b>              | <b>0.70</b>                     | 0.40  |      | <b>0.20</b> | 0.05  |      | <b>6.80</b>  | 0.55  |      | <b>1.20</b> | 3.18  |      | <b>0.30</b> | 0.73  |      |                   |
|                            |                                 | 0.03  | 0.00 |             | 0.01  | 0.00 |              | 0.85  | 0.00 |             | 0.39  | 0.00 |             | 0.03  | 0.00 |                   |
| <b>Z9LAXF</b>              | <b>0.58</b>                     | -1.16 | 1.15 | <b>0.19</b> | -0.02 | 0.11 | <b>5.12</b>  | -0.53 | 0.51 | <b>0.73</b> | -0.66 | 1.13 | <b>0.24</b> | -0.62 | 0.73 |                   |
|                            |                                 | -0.09 | 0.04 |             | 0.00  | 0.01 |              | -0.83 | 0.10 |             | -0.08 | 0.05 |             | -0.03 | 0.02 |                   |
| <b>QP24XR</b>              | <b>0.67</b>                     | 0.00  | 0.75 | <b>0.17</b> | -0.21 | 0.82 | <b>4.95</b>  | -0.65 | 0.73 | <b>0.75</b> | -0.55 | 1.44 | <b>0.22</b> | -1.09 | 1.41 |                   |
|                            |                                 | 0.00  | 0.03 |             | -0.02 | 0.04 |              | -1.00 | 0.15 |             | -0.07 | 0.06 |             | -0.05 | 0.04 |                   |
| <b>ZTQT9G</b>              | <b>0.70</b>                     | 0.40  | 0.00 | <b>0.17</b> | -0.27 | 1.14 | <b>5.97</b>  | 0.01  | 1.05 | <b>0.80</b> | -0.11 | 0.00 | <b>0.27</b> | -0.06 | 2.02 |                   |
|                            |                                 | 0.03  | 0.00 |             | -0.03 | 0.06 |              | 0.02  | 0.21 |             | -0.01 | 0.00 |             | 0.00  | 0.06 |                   |
| <b>HML4ZY</b>              | <b>0.60</b>                     | -0.94 |      | <b>0.18</b> | -0.14 |      | <b>16.00</b> | 6.46  |      | <b>0.80</b> | -0.11 |      | <b>0.26</b> | -0.22 |      |                   |
|                            |                                 | -0.07 | 0.00 |             | -0.01 | 0.00 |              | 10.05 | 0.00 |             | -0.01 | 0.00 |             | -0.01 | 0.00 |                   |
| <b>YWU4RC</b>              | <b>0.71</b>                     | 0.55  | 0.20 | <b>0.21</b> | 0.16  | 0.01 | <b>6.04</b>  | 0.06  | 0.27 | <b>0.85</b> | 0.28  | 0.30 | <b>0.28</b> | 0.31  | 0.02 |                   |
|                            |                                 | 0.04  | 0.01 |             | 0.02  | 0.00 |              | 0.09  | 0.05 |             | 0.03  | 0.01 |             | 0.01  | 0.00 |                   |
| <b>Z9HQBC</b>              | <b>0.61</b>                     | -0.76 | 0.33 | <b>0.22</b> | 0.21  | 0.11 | <b>5.14</b>  | -0.52 | 0.23 | <b>0.81</b> | -0.05 | 1.52 | <b>0.28</b> | 0.18  | 1.93 |                   |
|                            |                                 | -0.06 | 0.01 |             | 0.02  | 0.01 |              | -0.81 | 0.05 |             | -0.01 | 0.06 |             | 0.01  | 0.06 |                   |
| <b>EDQREV</b>              | <b>0.63</b>                     | -0.49 | 0.33 | <b>0.22</b> | 0.27  | 0.11 | <b>5.91</b>  | -0.03 | 0.35 | <b>0.82</b> | 0.03  | 0.14 | <b>0.28</b> | 0.18  | 1.62 |                   |
|                            |                                 | -0.04 | 0.01 |             | 0.03  | 0.01 |              | -0.04 | 0.07 |             | 0.00  | 0.01 |             | 0.01  | 0.05 |                   |
| <b>XXB2JC</b>              | <b>0.68</b>                     | 0.13  | 0.57 | <b>0.19</b> | -0.08 | 0.11 | <b>6.41</b>  | 0.29  | 0.56 | <b>0.84</b> | 0.22  | 0.86 | <b>0.24</b> | -0.62 | 0.20 |                   |
|                            |                                 | 0.01  | 0.02 |             | -0.01 | 0.01 |              | 0.46  | 0.11 |             | 0.03  | 0.04 |             | -0.03 | 0.01 |                   |
| <b>4TXAV7</b>              | <b>0.67</b>                     | 0.00  |      | <b>0.20</b> | 0.05  |      | <b>6.36</b>  | 0.26  |      | <b>0.83</b> | 0.14  |      | <b>0.26</b> | -0.22 |      |                   |
|                            |                                 | 0.00  | 0.00 |             | 0.01  | 0.00 |              | 0.41  | 0.00 |             | 0.02  | 0.00 |             | -0.01 | 0.00 |                   |
| <b>4QUEC3</b>              | <b>0.58</b>                     | -1.20 |      | <b>0.18</b> | -0.14 |      | <b>5.39</b>  | -0.36 |      | <b>0.74</b> | -0.60 |      | <b>0.23</b> | -0.93 |      |                   |
|                            |                                 | -0.09 | 0.00 |             | -0.01 | 0.00 |              | -0.56 | 0.00 |             | -0.07 | 0.00 |             | -0.04 | 0.00 |                   |
| <b>M938NJ</b>              | <b>0.63</b>                     | -0.58 | 0.16 | <b>0.16</b> | -0.33 | 0.00 | <b>5.44</b>  | -0.33 | 0.45 | <b>0.80</b> | -0.08 | 0.28 | <b>0.23</b> | -1.01 | 0.20 |                   |
|                            |                                 | -0.04 | 0.01 |             | -0.03 | 0.00 |              | -0.51 | 0.09 |             | -0.01 | 0.01 |             | -0.04 | 0.01 |                   |
| <b>Z4BZ87</b>              | <b>0.67</b>                     | -0.04 | 0.16 | <b>0.19</b> | -0.08 | 0.11 | <b>5.93</b>  | -0.01 | 1.06 | <b>0.80</b> | -0.14 | 0.60 | <b>0.25</b> | -0.54 | 0.40 |                   |
|                            |                                 | 0.00  | 0.01 |             | -0.01 | 0.01 |              | -0.02 | 0.21 |             | -0.02 | 0.03 |             | -0.02 | 0.01 |                   |
| <b>ACVHGX</b>              | <b>0.87</b>                     | 2.61  | 0.00 | <b>0.24</b> | 0.44  | 0.00 | <b>7.32</b>  | 0.88  | 0.00 | <b>0.96</b> | 1.21  | 0.00 | <b>0.32</b> | 1.25  | 0.00 |                   |
|                            |                                 | 0.20  | 0.00 |             | 0.05  | 0.00 |              | 1.37  | 0.00 |             | 0.15  | 0.00 |             | 0.05  | 0.00 |                   |
| <b>XJT9V6</b>              | <b>0.95</b>                     | 3.75  |      | <b>0.04</b> | -1.48 |      | <b>6.23</b>  | 0.18  |      | <b>1.34</b> | 4.33  |      | <b>0.48</b> | 5.01  |      |                   |
|                            |                                 | 0.28  | 0.00 |             | -0.15 | 0.00 |              | 0.28  | 0.00 |             | 0.53  | 0.00 |             | 0.21  | 0.00 |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 0.67    |         |                    | 0.19    |         |                    | 5.95    |         |                    | 0.81    |         |                    | 0.27    |         |
| <b>Median Abs Dev</b>    |                    | 0.04    |         |                    | 0.02    |         |                    | 0.50    |         |                    | 0.03    |         |                    | 0.03    |         |
| <b>Avg Within Lab SD</b> |                    | 0.04    |         |                    | 0.05    |         |                    | 0.20    |         |                    | 0.04    |         |                    | 0.03    |         |
| <b>Labs Included</b>     |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |
| <b>Labs Reporting</b>    |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Cl - sp (SubTestCode 110) | in the Salinity Property Groups |       |      |             |       |      |              |        |      |             |       |      |             |       |      | Data units: mmolc/L |
|---------------------------|---------------------------------|-------|------|-------------|-------|------|--------------|--------|------|-------------|-------|------|-------------|-------|------|---------------------|
|                           | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608   |        |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                     |
| <b>P2ZHYY</b>             | <b>0.44</b>                     | 1.73  | 2.82 | <b>3.62</b> | 9.88  | 4.24 | <b>53.69</b> | 0.60   | 1.51 | <b>1.81</b> | 0.71  | 0.63 | <b>0.59</b> | 0.35  | 0.46 |                     |
|                           |                                 | 0.17  | 0.08 |             | 3.28  | 0.45 |              | 5.75   | 2.77 |             | 0.25  | 0.07 |             | 0.08  | 0.02 |                     |
| <b>ETFYA8</b>             | <b>0.28</b>                     | 0.11  | 0.06 | <b>0.35</b> | 0.01  | 0.11 | <b>43.89</b> | -0.42  | 0.56 | <b>2.47</b> | 2.57  | 2.60 | <b>0.48</b> | -0.15 | 0.09 |                     |
|                           |                                 | 0.01  | 0.00 |             | 0.00  | 0.01 |              | -4.06  | 1.03 |             | 0.90  | 0.28 |             | -0.03 | 0.01 |                     |
| <b>QHLKDT</b>             | <b>0.20</b>                     | -0.75 | 0.12 | <b>0.30</b> | -0.13 | 0.04 | <b>47.94</b> | 0.00   | 0.09 | <b>1.56</b> | -0.02 | 0.12 | <b>0.55</b> | 0.13  | 2.09 |                     |
|                           |                                 | -0.07 | 0.00 |             | -0.04 | 0.00 |              | 0.00   | 0.16 |             | -0.01 | 0.01 |             | 0.03  | 0.11 |                     |
| <b>47JL8F</b>             | <b>0.23</b>                     | -0.37 | 1.89 | <b>0.35</b> | 0.02  | 0.25 | <b>42.19</b> | -0.60  | 0.73 | <b>1.65</b> | 0.23  | 0.12 | <b>0.52</b> | 0.01  | 1.15 |                     |
|                           |                                 | -0.04 | 0.05 |             | 0.01  | 0.03 |              | -5.76  | 1.34 |             | 0.08  | 0.01 |             | 0.00  | 0.06 |                     |
| <b>NM37AU</b>             | <b>0.41</b>                     | 1.44  | 1.69 | <b>0.39</b> | 0.14  | 0.30 | <b>55.10</b> | 0.74   | 2.52 | <b>1.87</b> | 0.86  | 1.81 | <b>0.54</b> | 0.12  | 0.48 |                     |
|                           |                                 | 0.14  | 0.05 |             | 0.05  | 0.03 |              | 7.16   | 4.60 |             | 0.30  | 0.19 |             | 0.03  | 0.03 |                     |
| <b>LU92FX</b>             | <b>0.30</b>                     | 0.30  |      | <b>0.30</b> | -0.12 |      | <b>38.50</b> | -0.98  |      | <b>1.40</b> | -0.46 |      | <b>0.40</b> | -0.53 |      |                     |
|                           |                                 | 0.03  | 0.00 |             | -0.04 | 0.00 |              | -9.44  | 0.00 |             | -0.16 | 0.00 |             | -0.12 | 0.00 |                     |
| <b>Z9LAXF</b>             | <b>0.19</b>                     | -0.85 | 0.94 | <b>0.26</b> | -0.23 | 0.11 | <b>40.60</b> | -0.76  | 0.22 | <b>1.34</b> | -0.65 | 0.84 | <b>0.38</b> | -0.62 | 0.37 |                     |
|                           |                                 | -0.08 | 0.03 |             | -0.08 | 0.01 |              | -7.34  | 0.40 |             | -0.23 | 0.09 |             | -0.14 | 0.02 |                     |
| <b>QP24XR</b>             | <b>0.21</b>                     | -0.61 | 0.00 | <b>0.27</b> | -0.22 | 0.20 | <b>48.14</b> | 0.02   | 0.47 | <b>1.53</b> | -0.09 | 0.56 | <b>0.48</b> | -0.17 | 1.98 |                     |
|                           |                                 | -0.06 | 0.00 |             | -0.07 | 0.02 |              | 0.19   | 0.87 |             | -0.03 | 0.06 |             | -0.04 | 0.11 |                     |
| <b>KG6H4X</b>             | <b>0.27</b>                     | 0.00  | 0.99 | <b>0.32</b> | -0.07 | 0.20 | <b>49.75</b> | 0.19   | 2.44 | <b>1.56</b> | 0.00  | 1.26 | <b>0.42</b> | -0.44 | 0.18 |                     |
|                           |                                 | 0.00  | 0.03 |             | -0.02 | 0.02 |              | 1.80   | 4.47 |             | 0.00  | 0.14 |             | -0.10 | 0.01 |                     |
| <b>ZTQT9G</b>             | <b>0.31</b>                     | 0.41  | 1.34 | <b>0.38</b> | 0.11  | 0.76 | <b>58.17</b> | 1.06   | 0.46 | <b>1.86</b> | 0.84  | 0.80 | <b>0.58</b> | 0.29  | 1.74 |                     |
|                           |                                 | 0.04  | 0.04 |             | 0.04  | 0.08 |              | 10.22  | 0.83 |             | 0.30  | 0.09 |             | 0.06  | 0.10 |                     |
| <b>YWU4RC</b>             | <b>0.29</b>                     | 0.20  | 0.00 | <b>0.37</b> | 0.09  | 0.00 | <b>50.25</b> | 0.24   | 0.01 | <b>1.57</b> | 0.02  | 0.00 | <b>0.59</b> | 0.33  | 0.00 |                     |
|                           |                                 | 0.02  | 0.00 |             | 0.03  | 0.00 |              | 2.31   | 0.02 |             | 0.01  | 0.00 |             | 0.07  | 0.00 |                     |
| <b>Z9HQBC</b>             | <b>0.21</b>                     | -0.66 | 0.30 | <b>0.33</b> | -0.02 | 0.09 | <b>39.46</b> | -0.88  | 0.19 | <b>1.39</b> | -0.49 | 1.98 | <b>0.43</b> | -0.39 | 2.20 |                     |
|                           |                                 | -0.06 | 0.01 |             | -0.01 | 0.01 |              | -8.48  | 0.35 |             | -0.17 | 0.21 |             | -0.08 | 0.12 |                     |
| <b>Y26GAB</b>             | <b>0.00</b>                     | -2.73 | 0.00 | <b>0.00</b> | -1.02 | 0.00 | <b>14.01</b> | -3.51  | 0.00 | <b>0.56</b> | -2.84 | 0.00 | <b>0.00</b> | -2.34 | 0.00 |                     |
|                           |                                 | -0.27 | 0.00 |             | -0.34 | 0.00 |              | -33.93 | 0.00 |             | -1.00 | 0.00 |             | -0.52 | 0.00 |                     |
| <b>EDQREV</b>             | <b>0.20</b>                     | -0.74 | 0.22 | <b>0.34</b> | -0.01 | 0.11 | <b>52.32</b> | 0.45   | 1.69 | <b>1.38</b> | -0.52 | 0.09 | <b>0.42</b> | -0.42 | 0.90 |                     |
|                           |                                 | -0.07 | 0.01 |             | 0.00  | 0.01 |              | 4.37   | 3.10 |             | -0.18 | 0.01 |             | -0.09 | 0.05 |                     |
| <b>XXB2JC</b>             |                                 |       |      |             |       |      | <b>48.42</b> | 0.05   | 0.47 | <b>1.59</b> | 0.07  | 0.66 |             |       |      |                     |
|                           |                                 |       |      |             |       |      |              | 0.48   | 0.86 |             | 0.02  | 0.07 |             |       |      |                     |
| <b>4TXAV7</b>             | <b>0.30</b>                     | 0.30  |      | <b>0.48</b> | 0.42  |      | <b>60.65</b> | 1.32   |      | <b>1.94</b> | 1.07  |      | <b>0.61</b> | 0.42  |      |                     |
|                           |                                 | 0.03  | 0.00 |             | 0.14  | 0.00 |              | 12.71  | 0.00 |             | 0.38  | 0.00 |             | 0.09  | 0.00 |                     |
| <b>4QUEC3</b>             | <b>0.24</b>                     | -0.30 | 0.00 | <b>0.27</b> | -0.21 | 0.00 | <b>45.04</b> | -0.30  | 0.09 | <b>1.38</b> | -0.51 | 0.11 | <b>0.35</b> | -0.74 | 0.11 |                     |
|                           |                                 | -0.03 | 0.00 |             | -0.07 | 0.00 |              | -2.91  | 0.16 |             | -0.18 | 0.01 |             | -0.16 | 0.01 |                     |
| <b>M938NJ</b>             | <b>0.25</b>                     | -0.24 | 0.68 | <b>0.34</b> | 0.00  | 0.22 | <b>44.60</b> | -0.35  | 0.13 | <b>1.59</b> | 0.07  | 0.45 | <b>0.52</b> | 0.00  | 0.05 |                     |
|                           |                                 | -0.02 | 0.02 |             | 0.00  | 0.02 |              | -3.35  | 0.24 |             | 0.02  | 0.05 |             | 0.00  | 0.00 |                     |
| <b>Z4BZ87</b>             |                                 |       |      |             |       |      | <b>51.33</b> | 0.35   | 1.14 | <b>1.65</b> | 0.24  | 0.39 |             |       |      |                     |
|                           |                                 |       |      |             |       |      |              | 3.39   | 2.08 |             | 0.08  | 0.04 |             |       |      |                     |
| <b>6K3QU3</b>             | <b>0.30</b>                     | 0.31  | 0.60 | <b>0.36</b> | 0.05  | 0.41 | <b>40.34</b> | -0.79  | 0.80 | <b>1.34</b> | -0.62 | 1.61 | <b>0.52</b> | 0.00  | 0.30 |                     |
|                           |                                 | 0.03  | 0.02 |             | 0.02  | 0.04 |              | -7.61  | 1.47 |             | -0.22 | 0.17 |             | 0.00  | 0.02 |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|----------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |          |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6UNU32</b>            | <b>0.34</b>        | 0.75    |         | <b>0.36</b>        | 0.04     |         | <b>53.48</b>       | 0.57    |         | <b>1.12</b>        | -1.27   |         | <b>1.70</b>        | 5.35    |         |
|                          |                    | 0.07    | 0.00    |                    | 0.01     | 0.00    |                    | 5.53    | 0.00    |                    | -0.45   | 0.00    |                    | 1.18    | 0.00    |
| <b>XJT9V6</b>            | <b>15.80</b>       | 157.60  |         | <b>1,443.83</b>    | 4,350.43 |         | <b>17.01</b>       | -3.20   |         | <b>33.67</b>       | 91.36   |         | <b>15.52</b>       | 68.12   |         |
|                          |                    | 15.53   | 0.00    |                    | 1,443.49 | 0.00    |                    | -30.93  | 0.00    |                    | 32.11   | 0.00    |                    | 15.00   | 0.00    |
| <b>Grand Median</b>      |                    | 0.27    |         |                    | 0.34     |         |                    | 47.9    |         |                    | 1.56    |         |                    | 0.52    |         |
| <b>Median Abs Dev</b>    |                    | 0.04    |         |                    | 0.04     |         |                    | 5.5     |         |                    | 0.18    |         |                    | 0.08    |         |
| <b>Avg Within Lab SD</b> |                    | 0.03    |         |                    | 0.11     |         |                    | 1.8     |         |                    | 0.11    |         |                    | 0.05    |         |
| <b>Labs Included</b>     |                    | 19      |         |                    | 19       |         |                    | 21      |         |                    | 21      |         |                    | 19      |         |
| <b>Labs Reporting</b>    |                    | 19      |         |                    | 19       |         |                    | 21      |         |                    | 21      |         |                    | 19      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SO4 - sp (SubTestCode 111) | in the Salinity Property Groups |       |      |             |       |      |              |        |      |             |       |      |             |       |      | Data units: mmolc/L |
|----------------------------|---------------------------------|-------|------|-------------|-------|------|--------------|--------|------|-------------|-------|------|-------------|-------|------|---------------------|
|                            | SRSSRS1606                      |       |      | SRSSRS1607  |       |      | SRSSRS1608   |        |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                     |
| <b>P2ZHXY</b>              | <b>1.66</b>                     | -0.13 | 0.54 | <b>0.90</b> | 1.68  | 0.13 | <b>62.43</b> | 0.40   | 0.47 | <b>1.54</b> | 0.31  | 0.67 | <b>1.82</b> | 0.63  | 0.86 |                     |
|                            |                                 | -0.03 | 0.04 |             | 0.25  | 0.01 |              | 3.52   | 1.03 |             | 0.17  | 0.12 |             | 0.19  | 0.10 |                     |
| <b>9G9ZXE</b>              | <b>1.57</b>                     | -0.48 | 0.73 | <b>0.69</b> | 0.23  | 1.84 | <b>41.50</b> | -1.97  | 1.23 | <b>1.15</b> | -0.40 | 0.77 | <b>1.55</b> | -0.29 | 0.27 |                     |
|                            |                                 | -0.12 | 0.06 |             | 0.03  | 0.07 |              | -17.41 | 2.69 |             | -0.22 | 0.14 |             | -0.08 | 0.03 |                     |
| <b>ETFYA8</b>              | <b>1.59</b>                     | -0.40 | 0.84 | <b>0.83</b> | 1.20  | 0.86 | <b>46.65</b> | -1.38  | 0.33 | <b>3.19</b> | 3.36  | 2.45 | <b>1.74</b> | 0.36  | 1.10 |                     |
|                            |                                 | -0.10 | 0.06 |             | 0.18  | 0.03 |              | -12.25 | 0.72 |             | 1.82  | 0.44 |             | 0.11  | 0.13 |                     |
| <b>QHLKDT</b>              | <b>1.62</b>                     | -0.29 | 0.19 | <b>0.62</b> | -0.26 | 0.08 | <b>58.25</b> | -0.07  | 0.18 | <b>1.16</b> | -0.39 | 0.04 | <b>1.65</b> | 0.06  | 0.07 |                     |
|                            |                                 | -0.07 | 0.01 |             | -0.04 | 0.00 |              | -0.66  | 0.39 |             | -0.21 | 0.01 |             | 0.02  | 0.01 |                     |
| <b>47JL8F</b>              | <b>1.76</b>                     | 0.25  | 0.52 | <b>0.64</b> | -0.09 | 0.43 | <b>63.96</b> | 0.57   | 1.00 | <b>1.18</b> | -0.36 | 0.18 | <b>1.80</b> | 0.57  | 0.08 |                     |
|                            |                                 | 0.06  | 0.04 |             | -0.01 | 0.02 |              | 5.05   | 2.17 |             | -0.19 | 0.03 |             | 0.17  | 0.01 |                     |
| <b>NM37AU</b>              | <b>1.95</b>                     | 1.03  | 0.83 | <b>0.78</b> | 0.87  | 2.53 | <b>56.11</b> | -0.32  | 3.11 | <b>2.01</b> | 1.18  | 2.93 | <b>1.66</b> | 0.08  | 1.63 |                     |
|                            |                                 | 0.26  | 0.06 |             | 0.13  | 0.10 |              | -2.79  | 6.78 |             | 0.64  | 0.53 |             | 0.02  | 0.19 |                     |
| <b>LU92FX</b>              | <b>1.79</b>                     | 0.37  |      | <b>0.63</b> | -0.16 |      | <b>50.27</b> | -0.98  |      | <b>3.07</b> | 3.13  |      | <b>2.04</b> | 1.36  |      |                     |
|                            |                                 | 0.09  | 0.00 |             | -0.02 | 0.00 |              | -8.63  | 0.00 |             | 1.70  | 0.00 |             | 0.40  | 0.00 |                     |
| <b>Z9LAXF</b>              | <b>1.37</b>                     | -1.30 | 1.18 | <b>0.54</b> | -0.78 | 0.69 | <b>46.33</b> | -1.42  | 0.41 | <b>1.19</b> | -0.32 | 0.69 | <b>1.26</b> | -1.27 | 0.54 |                     |
|                            |                                 | -0.32 | 0.09 |             | -0.11 | 0.03 |              | -12.57 | 0.90 |             | -0.18 | 0.12 |             | -0.37 | 0.06 |                     |
| <b>QP24XR</b>              | <b>1.76</b>                     | 0.28  | 0.08 | <b>0.65</b> | -0.05 | 0.99 | <b>58.92</b> | 0.00   | 0.19 | <b>1.09</b> | -0.52 | 0.48 | <b>1.37</b> | -0.92 | 0.85 |                     |
|                            |                                 | 0.07  | 0.01 |             | -0.01 | 0.04 |              | 0.01   | 0.42 |             | -0.28 | 0.09 |             | -0.27 | 0.10 |                     |
| <b>KG6H4X</b>              | <b>1.48</b>                     | -0.84 | 0.33 | <b>0.66</b> | 0.02  | 0.30 | <b>47.40</b> | -1.30  | 0.31 | <b>1.40</b> | 0.05  | 1.03 | <b>1.48</b> | -0.53 | 0.17 |                     |
|                            |                                 | -0.21 | 0.03 |             | 0.00  | 0.01 |              | -11.51 | 0.68 |             | 0.03  | 0.19 |             | -0.16 | 0.02 |                     |
| <b>ZTQT9G</b>              | <b>1.96</b>                     | 1.06  | 1.71 | <b>0.79</b> | 0.94  | 2.05 | <b>66.00</b> | 0.80   | 0.38 | <b>1.97</b> | 1.12  | 0.57 | <b>2.27</b> | 2.16  | 1.71 |                     |
|                            |                                 | 0.26  | 0.13 |             | 0.14  | 0.08 |              | 7.09   | 0.82 |             | 0.60  | 0.10 |             | 0.64  | 0.20 |                     |
| <b>YWU4RC</b>              | <b>1.78</b>                     | 0.33  | 0.08 | <b>0.59</b> | -0.43 | 0.00 | <b>59.25</b> | 0.04   | 0.02 | <b>1.19</b> | -0.32 | 0.03 | <b>1.62</b> | -0.06 | 0.00 |                     |
|                            |                                 | 0.08  | 0.01 |             | -0.06 | 0.00 |              | 0.35   | 0.05 |             | -0.18 | 0.01 |             | -0.02 | 0.00 |                     |
| <b>Z9HQBC</b>              | <b>1.80</b>                     | 0.42  | 0.13 | <b>1.19</b> | 3.64  | 0.63 | <b>58.90</b> | 0.00   | 0.45 | <b>1.37</b> | 0.00  | 1.24 | <b>1.90</b> | 0.91  | 3.05 |                     |
|                            |                                 | 0.10  | 0.01 |             | 0.53  | 0.02 |              | -0.01  | 0.99 |             | 0.00  | 0.22 |             | 0.27  | 0.36 |                     |
| <b>EDQREV</b>              | <b>1.65</b>                     | -0.16 | 0.28 | <b>0.73</b> | 0.52  | 1.05 | <b>67.45</b> | 0.96   | 2.24 | <b>1.14</b> | -0.43 | 0.03 | <b>1.44</b> | -0.66 | 0.30 |                     |
|                            |                                 | -0.04 | 0.02 |             | 0.08  | 0.04 |              | 8.54   | 4.90 |             | -0.23 | 0.01 |             | -0.19 | 0.04 |                     |
| <b>XXB2JC</b>              | <b>1.96</b>                     | 1.08  | 0.93 | <b>0.61</b> | -0.27 | 0.84 | <b>59.51</b> | 0.07   | 0.58 | <b>1.15</b> | -0.40 | 0.54 | <b>1.52</b> | -0.41 | 0.61 |                     |
|                            |                                 | 0.27  | 0.07 |             | -0.04 | 0.03 |              | 0.61   | 1.26 |             | -0.22 | 0.10 |             | -0.12 | 0.07 |                     |
| <b>4TXAV7</b>              | <b>1.68</b>                     | -0.05 |      | <b>0.65</b> | -0.02 |      | <b>62.50</b> | 0.41   |      | <b>1.37</b> | 0.00  |      | <b>1.58</b> | -0.19 |      |                     |
|                            |                                 | -0.01 | 0.00 |             | 0.00  | 0.00 |              | 3.59   | 0.00 |             | 0.00  | 0.00 |             | -0.06 | 0.00 |                     |
| <b>4QUEC3</b>              | <b>1.37</b>                     | -1.30 | 0.23 | <b>0.66</b> | 0.07  | 0.15 | <b>52.92</b> | -0.68  | 0.17 | <b>1.44</b> | 0.12  | 0.03 | <b>1.38</b> | -0.89 | 0.10 |                     |
|                            |                                 | -0.32 | 0.02 |             | 0.01  | 0.01 |              | -5.99  | 0.36 |             | 0.07  | 0.01 |             | -0.26 | 0.01 |                     |
| <b>M938NJ</b>              | <b>1.56</b>                     | -0.55 | 0.34 | <b>0.53</b> | -0.84 | 0.46 | <b>55.36</b> | -0.40  | 0.76 | <b>1.20</b> | -0.32 | 0.19 | <b>1.52</b> | -0.41 | 0.25 |                     |
|                            |                                 | -0.14 | 0.03 |             | -0.12 | 0.02 |              | -3.55  | 1.66 |             | -0.17 | 0.03 |             | -0.12 | 0.03 |                     |
| <b>Z4BZ87</b>              | <b>1.71</b>                     | 0.05  | 1.88 | <b>0.76</b> | 0.73  | 1.05 | <b>64.77</b> | 0.66   | 0.86 | <b>1.47</b> | 0.18  | 0.58 | <b>1.66</b> | 0.09  | 1.10 |                     |
|                            |                                 | 0.01  | 0.14 |             | 0.11  | 0.04 |              | 5.86   | 1.88 |             | 0.10  | 0.11 |             | 0.03  | 0.13 |                     |
| <b>6UNU32</b>              | <b>2.47</b>                     | 3.13  | 2.89 | <b>0.76</b> | 0.70  | 0.10 | <b>68.33</b> | 1.06   | 0.31 | <b>1.67</b> | 0.56  | 0.16 | <b>2.12</b> | 1.65  | 0.57 |                     |
|                            |                                 | 0.78  | 0.22 |             | 0.10  | 0.00 |              | 9.43   | 0.69 |             | 0.30  | 0.03 |             | 0.49  | 0.07 |                     |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------------|---------|--------------------|----------------|---------|--------------------|-----------------|---------|--------------------|---------------|---------|--------------------|---------------|---------|
|                          | Difference W/L STD |               |         | Difference W/L STD |                |         | Difference W/L STD |                 |         | Difference W/L STD |               |         | Difference W/L STD |               |         |
| <b>XJT9V6</b>            | <b>7.14</b>        | 21.83<br>5.45 | 0.00    | <b>0.25</b>        | -2.76<br>-0.40 | 0.00    | <b>181.66</b>      | 13.87<br>122.75 | 0.00    | <b>10.74</b>       | 17.31<br>9.37 | 0.00    | <b>7.13</b>        | 18.67<br>5.49 | 0.00    |
| <b>Grand Median</b>      |                    | 1.69          |         |                    | 0.65           |         |                    | 58.9            |         |                    | 1.37          |         |                    | 1.64          |         |
| <b>Median Abs Dev</b>    |                    | 0.10          |         |                    | 0.07           |         |                    | 5.5             |         |                    | 0.20          |         |                    | 0.16          |         |
| <b>Avg Within Lab SD</b> |                    | 0.08          |         |                    | 0.04           |         |                    | 2.2             |         |                    | 0.18          |         |                    | 0.12          |         |
| <b>Labs Included</b>     |                    | 20            |         |                    | 20             |         |                    | 20              |         |                    | 20            |         |                    | 20            |         |
| <b>Labs Reporting</b>    |                    | 20            |         |                    | 20             |         |                    | 20              |         |                    | 20            |         |                    | 20            |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3 - sp (SubTestCode 112) | in the Salinity Property Groups |      |     |             |      |     |            |      |     |            |      |     |             |      |     | Data units: mmolc/L |  |
|----------------------------|---------------------------------|------|-----|-------------|------|-----|------------|------|-----|------------|------|-----|-------------|------|-----|---------------------|--|
|                            | SRSSRS1606                      |      |     | SRSSRS1607  |      |     | SRSSRS1608 |      |     | SRSSRS1609 |      |     | SRSSRS1610  |      |     |                     |  |
| <b>P2ZHYY</b>              | <b>2.6</b>                      | -0.6 | 0.1 | <b>13.3</b> | 0.0  | 0.9 | <b>0.0</b> | -0.5 | 0.0 | <b>6.8</b> | 0.1  | 0.0 | <b>15.3</b> | -0.1 | 0.8 |                     |  |
|                            |                                 | -1.2 | 0.0 |             | 0.0  | 0.3 |            | -0.2 | 0.0 |            | 0.2  | 0.0 |             | -0.4 | 0.6 |                     |  |
| <b>2V9A2L</b>              | <b>0.1</b>                      | -1.7 | 0.0 | <b>18.6</b> | 2.2  | 0.4 | <b>0.1</b> | -0.4 | 0.0 | <b>8.5</b> | 1.6  | 0.1 | <b>24.5</b> | 2.1  | 0.4 |                     |  |
|                            |                                 | -3.7 | 0.0 |             | 5.4  | 0.1 |            | -0.2 | 0.0 |            | 1.8  | 0.0 |             | 8.8  | 0.3 |                     |  |
| <b>QHLKDT</b>              | <b>4.6</b>                      | 0.4  | 0.1 | <b>14.0</b> | 0.3  | 0.1 | <b>0.1</b> | -0.2 | 0.1 | <b>6.6</b> | 0.0  | 0.2 | <b>17.0</b> | 0.3  | 0.2 |                     |  |
|                            |                                 | 0.8  | 0.0 |             | 0.7  | 0.1 |            | -0.1 | 0.0 |            | 0.0  | 0.0 |             | 1.3  | 0.1 |                     |  |
| <b>NM37AU</b>              | <b>4.9</b>                      | 0.5  | 0.9 | <b>11.4</b> | -0.8 | 0.9 | <b>1.7</b> | 3.3  | 2.6 | <b>6.9</b> | 0.2  | 1.4 | <b>11.2</b> | -1.1 | 0.9 |                     |  |
|                            |                                 | 1.1  | 0.3 |             | -1.9 | 0.4 |            | 1.5  | 0.2 |            | 0.3  | 0.3 |             | -4.5 | 0.7 |                     |  |
| <b>LU92FX</b>              | <b>3.8</b>                      | 0.0  | 0.0 | <b>13.4</b> | 0.0  | 0.0 | <b>0.3</b> | 0.0  | 0.0 | <b>8.5</b> | 1.6  | 0.0 | <b>20.5</b> | 1.2  | 0.0 |                     |  |
|                            |                                 | -1.5 | 0.2 |             | -1.9 | 0.5 |            | -0.5 | 0.2 |            | -1.2 | 0.2 |             | -1.1 | 0.8 |                     |  |
| <b>Z9LAXF</b>              | <b>0.7</b>                      | -3.1 | 0.1 | <b>8.7</b>  | -4.5 | 0.2 | <b>0.0</b> | -0.2 | 0.0 | <b>5.3</b> | -1.4 | 0.0 | <b>11.3</b> | -4.4 | 0.6 |                     |  |
|                            |                                 | 0.1  | 0.2 |             | 0.0  | 0.5 |            | 0.5  | 2.1 |            | 0.0  | 1.3 |             | -0.1 | 0.3 |                     |  |
| <b>QP24XR</b>              | <b>4.0</b>                      | 0.2  | 0.1 | <b>13.2</b> | -0.1 | 0.2 | <b>0.5</b> | 0.2  | 0.1 | <b>6.7</b> | 0.0  | 0.3 | <b>15.2</b> | -0.5 | 0.2 |                     |  |
|                            |                                 | -0.1 | 0.1 |             | -0.6 | 0.6 |            | 0.0  | 0.1 |            | -1.3 | 1.4 |             | -0.6 | 2.1 |                     |  |
| <b>Z9HQBC</b>              | <b>3.6</b>                      | -0.2 | 0.0 | <b>11.7</b> | -1.5 | 0.2 | <b>0.2</b> | 0.0  | 0.0 | <b>5.2</b> | -1.5 | 0.3 | <b>13.1</b> | -2.6 | 1.6 |                     |  |
|                            |                                 | 0.5  | 0.1 |             | 0.7  | 1.9 |            | 0.0  | 0.7 |            | 0.3  | 0.1 |             | 0.4  | 0.2 |                     |  |
| <b>EDQREV</b>              | <b>4.9</b>                      | 1.1  | 0.0 | <b>14.9</b> | 1.7  | 0.7 | <b>0.3</b> | 0.0  | 0.0 | <b>7.0</b> | 0.3  | 0.0 | <b>17.5</b> | 1.8  | 0.2 |                     |  |
|                            |                                 | 0.8  | 0.8 |             | 0.3  | 1.7 |            | 1.5  | 1.4 |            | 0.0  | 2.7 |             | -0.2 | 0.9 |                     |  |
| <b>XXB2JC</b>              | <b>5.6</b>                      | 1.8  | 0.2 | <b>13.9</b> | 0.6  | 0.7 | <b>0.9</b> | 0.7  | 0.1 | <b>6.6</b> | 0.0  | 0.5 | <b>15.0</b> | -0.7 | 0.7 |                     |  |
|                            |                                 | -0.2 |     |             | -0.2 |     |            | -0.3 |     |            | 0.6  |     |             | 0.0  |     |                     |  |
| <b>4TXAV7</b>              | <b>3.4</b>                      | -0.4 | 0.0 | <b>12.9</b> | -0.4 | 0.0 | <b>0.1</b> | -0.1 | 0.0 | <b>7.3</b> | 0.6  | 0.0 | <b>15.7</b> | 0.0  | 0.0 |                     |  |
|                            |                                 | -1.7 | 0.0 |             | -2.0 | 0.0 |            | 0.4  | 0.0 |            | -0.9 | 0.2 |             | -1.4 |     |                     |  |
| <b>4QUEC3</b>              | <b>0.2</b>                      | -3.6 | 0.0 | <b>8.4</b>  | -4.8 | 0.0 | <b>0.4</b> | 0.2  | 0.0 | <b>5.6</b> | -1.1 | 0.0 | <b>10.0</b> | -5.7 | 0.0 |                     |  |
|                            |                                 | 0.3  | 0.3 |             | -0.2 | 0.0 |            | -0.5 | 0.0 |            | -0.3 | 1.0 |             | 0.2  | 0.5 |                     |  |
| <b>M938NJ</b>              | <b>4.4</b>                      | 0.6  | 0.1 | <b>12.7</b> | -0.6 | 0.0 | <b>0.0</b> | -0.2 | 0.0 | <b>6.3</b> | -0.3 | 0.2 | <b>16.5</b> | 0.8  | 0.4 |                     |  |
|                            |                                 | -0.7 | 3.7 |             | 0.0  | 2.3 |            |      |     |            | -0.1 | 0.9 |             | 0.3  | 2.7 |                     |  |
| <b>Z4BZ87</b>              | <b>2.2</b>                      | -1.6 | 1.1 | <b>13.3</b> | 0.0  | 0.9 |            |      |     | <b>6.6</b> | -0.1 | 0.2 | <b>16.8</b> | 1.1  | 2.0 |                     |  |
|                            |                                 | 1.1  |     |             | 0.8  |     |            | 1.2  |     |            | 1.8  |     |             | 1.2  |     |                     |  |
| <b>6UNU32</b>              | <b>6.2</b>                      | 2.4  | 0.0 | <b>15.3</b> | 2.0  | 0.0 | <b>0.8</b> | 0.5  | 0.0 | <b>8.7</b> | 2.0  | 0.0 | <b>20.6</b> | 4.9  | 0.0 |                     |  |
| <b>Grand Median</b>        | 3.80                            |      |     | 13.3        |      |     | 0.24       |      |     | 6.66       |      |     | 15.7        |      |     |                     |  |
| <b>Median Abs Dev</b>      | 1.14                            |      |     | 0.7         |      |     | 0.20       |      |     | 0.34       |      |     | 1.8         |      |     |                     |  |
| <b>Avg Within Lab SD</b>   | 0.30                            |      |     | 0.4         |      |     | 0.07       |      |     | 0.19       |      |     | 0.8         |      |     |                     |  |
| <b>Labs Included</b>       | 15                              |      |     | 15          |      |     | 14         |      |     | 15         |      |     | 15          |      |     |                     |  |
| <b>Labs Reporting</b>      | 15                              |      |     | 15          |      |     | 14         |      |     | 15         |      |     | 15          |      |     |                     |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| B - sp (SubTestCode 113) | in the Salinity Property Groups |        |       |              |        |       |              |        |       |              |        |       | Data units: mg/L |        |       |
|--------------------------|---------------------------------|--------|-------|--------------|--------|-------|--------------|--------|-------|--------------|--------|-------|------------------|--------|-------|
|                          | SRSSRS1606                      |        |       | SRSSRS1607   |        |       | SRSSRS1608   |        |       | SRSSRS1609   |        |       | SRSSRS1610       |        |       |
| <b>P2ZHHY</b>            | <b>0.129</b>                    | -0.199 | 0.590 | <b>0.065</b> | 0.474  | 1.267 | <b>0.274</b> | -0.156 | 0.541 | <b>0.082</b> | 0.014  | 1.083 | <b>0.103</b>     | 0.240  | 0.999 |
|                          |                                 | -0.013 | 0.007 |              | 0.015  | 0.011 |              | -0.012 | 0.006 |              | 0.001  | 0.011 |                  | 0.014  | 0.009 |
| <b>9G9ZXE</b>            | <b>0.120</b>                    | -0.340 | 0.843 | <b>0.037</b> | -0.436 | 1.393 | <b>0.233</b> | -0.701 | 1.878 | <b>0.057</b> | -0.459 | 0.595 | <b>0.087</b>     | -0.028 | 1.357 |
|                          |                                 | -0.022 | 0.010 |              | -0.013 | 0.012 |              | -0.052 | 0.021 |              | -0.024 | 0.006 |                  | -0.002 | 0.012 |
| <b>QHLKDT</b>            | <b>0.177</b>                    | 0.549  | 0.450 | <b>0.074</b> | 0.783  | 0.448 | <b>0.356</b> | 0.942  | 1.153 | <b>0.102</b> | 0.396  | 0.415 | <b>0.134</b>     | 0.776  | 0.478 |
|                          |                                 | 0.035  | 0.005 |              | 0.024  | 0.004 |              | 0.070  | 0.013 |              | 0.021  | 0.004 |                  | 0.046  | 0.004 |
| <b>NM37AU</b>            | <b>0.143</b>                    | 0.026  | 2.708 | <b>0.067</b> | 0.545  | 1.843 | <b>0.247</b> | -0.523 | 1.042 | <b>0.090</b> | 0.176  | 1.031 | <b>0.087</b>     | -0.028 | 1.357 |
|                          |                                 | 0.002  | 0.032 |              | 0.017  | 0.015 |              | -0.039 | 0.012 |              | 0.009  | 0.010 |                  | -0.002 | 0.012 |
| <b>LU92FX</b>            | <b>0.100</b>                    | -0.654 |       | <b>0.040</b> | -0.327 |       | <b>0.290</b> | 0.058  |       | <b>0.050</b> | -0.586 |       | <b>0.090</b>     | 0.028  |       |
|                          |                                 | -0.042 | 0.000 |              | -0.010 | 0.000 |              | 0.004  | 0.000 |              | -0.031 | 0.000 |                  | 0.002  | 0.000 |
| <b>QP24XR</b>            | <b>1.084</b>                    | 14.786 | 2.955 | <b>0.235</b> | 6.059  | 0.701 | <b>2.786</b> | 33.515 | 7.569 | <b>0.261</b> | 3.441  | 1.196 | <b>0.309</b>     | 3.729  | 1.588 |
|                          |                                 | 0.942  | 0.035 |              | 0.185  | 0.006 |              | 2.501  | 0.084 |              | 0.181  | 0.012 |                  | 0.220  | 0.014 |
| <b>KG6H4X</b>            | <b>0.105</b>                    | -0.570 | 0.424 | <b>0.037</b> | -0.436 | 0.697 | <b>0.247</b> | -0.523 | 1.378 | <b>0.070</b> | -0.205 | 1.031 | <b>0.063</b>     | -0.423 | 0.679 |
|                          |                                 | -0.036 | 0.005 |              | -0.013 | 0.006 |              | -0.039 | 0.015 |              | -0.011 | 0.010 |                  | -0.025 | 0.006 |
| <b>ZTQT9G</b>            | <b>0.187</b>                    | 0.706  | 0.973 | <b>0.047</b> | -0.109 | 1.843 | <b>0.287</b> | 0.013  | 1.378 | <b>0.087</b> | 0.113  | 1.191 | <b>0.067</b>     | -0.367 | 1.357 |
|                          |                                 | 0.045  | 0.012 |              | -0.003 | 0.015 |              | 0.001  | 0.015 |              | 0.006  | 0.012 |                  | -0.022 | 0.012 |
| <b>Z9HQBC</b>            | <b>0.143</b>                    | 0.026  | 0.486 | <b>0.053</b> | 0.109  | 0.697 | <b>0.320</b> | 0.460  | 0.000 | <b>0.087</b> | 0.113  | 2.146 | <b>0.110</b>     | 0.367  | 1.175 |
|                          |                                 | 0.002  | 0.006 |              | 0.003  | 0.006 |              | 0.034  | 0.000 |              | 0.006  | 0.021 |                  | 0.022  | 0.010 |
| <b>Y26GAB</b>            | <b>0.103</b>                    | -0.602 | 0.486 | <b>0.027</b> | -0.763 | 0.697 | <b>0.240</b> | -0.612 | 0.000 | <b>0.080</b> | -0.014 | 1.031 | <b>0.083</b>     | -0.085 | 1.796 |
|                          |                                 | -0.038 | 0.006 |              | -0.023 | 0.006 |              | -0.046 | 0.000 |              | -0.001 | 0.010 |                  | -0.005 | 0.015 |
| <b>EDQREV</b>            | <b>0.140</b>                    | -0.026 | 0.000 | <b>0.060</b> | 0.327  | 0.000 | <b>0.327</b> | 0.549  | 1.378 | <b>0.080</b> | -0.014 | 1.031 | <b>0.110</b>     | 0.367  | 0.000 |
|                          |                                 | -0.002 | 0.000 |              | 0.010  | 0.000 |              | 0.041  | 0.015 |              | -0.001 | 0.010 |                  | 0.022  | 0.000 |
| <b>6UNU32</b>            | <b>0.149</b>                    | 0.120  | 1.344 | <b>0.024</b> | -0.840 | 0.070 | <b>0.285</b> | -0.013 | 0.260 | <b>0.070</b> | -0.211 | 0.157 | <b>0.086</b>     | -0.040 | 0.424 |
|                          |                                 | 0.008  | 0.016 |              | -0.026 | 0.001 |              | -0.001 | 0.003 |              | -0.011 | 0.002 |                  | -0.002 | 0.004 |
| <b>XJT9V6</b>            | <b>0.414</b>                    | 4.275  |       | <b>0.140</b> | 2.944  |       | <b>0.550</b> | 3.543  |       | <b>0.385</b> | 5.794  |       | <b>0.404</b>     | 5.346  |       |
|                          |                                 | 0.272  | 0.000 |              | 0.090  | 0.000 |              | 0.264  | 0.000 |              | 0.304  | 0.000 |                  | 0.316  | 0.000 |
| <b>Grand Median</b>      |                                 | 0.14   |       |              | 0.050  |       |              | 0.29   |       |              | 0.081  |       |                  | 0.088  |       |
| <b>Median Abs Dev</b>    |                                 | 0.03   |       |              | 0.014  |       |              | 0.04   |       |              | 0.010  |       |                  | 0.018  |       |
| <b>Avg Within Lab SD</b> |                                 | 0.01   |       |              | 0.008  |       |              | 0.01   |       |              | 0.010  |       |                  | 0.009  |       |
| <b>Labs Included</b>     |                                 | 12     |       |              | 12     |       |              | 12     |       |              | 12     |       |                  | 12     |       |
| <b>Labs Reporting</b>    |                                 | 12     |       |              | 12     |       |              | 12     |       |              | 12     |       |                  | 12     |       |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil EC (1:1) (SubTestCode 114) |             |       | in the Soil pH & EC Property Groups |             |       |            |             |       |            |             |       |            |             |       | Data units: dS/m |  |
|---------------------------------|-------------|-------|-------------------------------------|-------------|-------|------------|-------------|-------|------------|-------------|-------|------------|-------------|-------|------------------|--|
| SRSSRS1606                      |             |       | SRSSRS1607                          |             |       | SRSSRS1608 |             |       | SRSSRS1609 |             |       | SRSSRS1610 |             |       |                  |  |
| 2V9A2L                          | <b>0.58</b> | 0.74  | 0.00                                | <b>0.65</b> | 1.57  | 0.20       | <b>5.60</b> | 1.57  | 0.04       | <b>0.40</b> | 0.51  | 0.19       | <b>0.56</b> | 1.06  | 0.00             |  |
|                                 |             | 0.10  | 0.00                                |             | 0.19  | 0.01       |             | 1.55  | 0.01       |             | 0.03  | 0.01       |             | 0.11  | 0.00             |  |
| ETFYA8                          | <b>0.46</b> | -0.14 | 0.31                                | <b>0.41</b> | -0.49 | 1.08       | <b>4.05</b> | 0.00  | 0.15       | <b>0.37</b> | 0.06  | 0.40       | <b>0.45</b> | 0.00  | 0.76             |  |
|                                 |             | -0.02 | 0.02                                |             | -0.06 | 0.03       |             | 0.00  | 0.04       |             | 0.00  | 0.01       |             | 0.00  | 0.03             |  |
| WN8QDL                          | <b>0.48</b> | -0.03 | 0.22                                | <b>0.44</b> | -0.20 | 0.19       | <b>3.21</b> | -0.84 | 0.02       | <b>0.34</b> | -0.30 | 0.00       | <b>0.40</b> | -0.41 | 0.13             |  |
|                                 |             | 0.00  | 0.01                                |             | -0.02 | 0.01       |             | -0.83 | 0.01       |             | -0.02 | 0.00       |             | -0.04 | 0.01             |  |
| QHLKDT                          | <b>0.40</b> | -0.62 | 0.21                                | <b>0.55</b> | 0.72  | 0.52       | <b>5.21</b> | 1.17  | 0.14       | <b>0.36</b> | 0.00  | 0.28       | <b>0.49</b> | 0.43  | 0.19             |  |
|                                 |             | -0.08 | 0.01                                |             | 0.09  | 0.02       |             | 1.16  | 0.04       |             | 0.00  | 0.01       |             | 0.05  | 0.01             |  |
| NM37AU                          | <b>0.57</b> | 0.69  | 0.50                                | <b>0.44</b> | -0.17 | 0.72       | <b>3.81</b> | -0.24 | 0.57       | <b>0.45</b> | 1.34  | 1.27       | <b>0.55</b> | 1.00  | 0.74             |  |
|                                 |             | 0.09  | 0.03                                |             | -0.02 | 0.02       |             | -0.24 | 0.16       |             | 0.09  | 0.04       |             | 0.11  | 0.03             |  |
| LU92FX                          | <b>0.48</b> | -0.04 | 0.11                                | <b>0.43</b> | -0.25 | 0.20       | <b>3.81</b> | -0.24 | 0.11       | <b>0.34</b> | -0.33 | 0.33       | <b>0.42</b> | -0.24 | 0.00             |  |
|                                 |             | -0.01 | 0.01                                |             | -0.03 | 0.01       |             | -0.24 | 0.03       |             | -0.02 | 0.01       |             | -0.03 | 0.00             |  |
| 9JB2YB                          | <b>0.51</b> | 0.17  | 1.10                                | <b>0.46</b> | 0.00  | 0.57       | <b>5.20</b> | 1.16  | 0.57       | <b>0.43</b> | 1.01  | 0.80       | <b>0.39</b> | -0.56 | 0.34             |  |
|                                 |             | 0.02  | 0.06                                |             | 0.00  | 0.02       |             | 1.15  | 0.16       |             | 0.07  | 0.02       |             | -0.06 | 0.01             |  |
| JMZPA2                          | <b>0.50</b> | 0.16  | 0.11                                | <b>0.40</b> | -0.50 | 0.87       | <b>0.30</b> | -3.78 | 0.02       | <b>0.35</b> | -0.23 | 0.19       | <b>0.39</b> | -0.55 | 0.37             |  |
|                                 |             | 0.02  | 0.01                                |             | -0.06 | 0.03       |             | -3.74 | 0.01       |             | -0.02 | 0.01       |             | -0.06 | 0.02             |  |
| PD8M9Q                          | <b>0.22</b> | -1.94 | 0.61                                | <b>0.39</b> | -0.62 | 0.60       | <b>3.99</b> | -0.06 | 2.35       | <b>0.27</b> | -1.39 | 1.28       | <b>0.41</b> | -0.29 | 2.20             |  |
|                                 |             | -0.26 | 0.03                                |             | -0.08 | 0.02       |             | -0.06 | 0.64       |             | -0.09 | 0.04       |             | -0.03 | 0.09             |  |
| 4XUXCD                          | <b>0.57</b> | 0.69  | 0.50                                | <b>0.30</b> | -1.39 | 0.20       | <b>3.43</b> | -0.62 | 0.21       | <b>0.30</b> | -0.92 | 0.00       | <b>0.33</b> | -1.11 | 0.28             |  |
|                                 |             | 0.09  | 0.03                                |             | -0.17 | 0.01       |             | -0.61 | 0.06       |             | -0.06 | 0.00       |             | -0.12 | 0.01             |  |
| QP24XR                          | <b>0.59</b> | 0.81  | 0.13                                | <b>0.59</b> | 1.06  | 0.10       | <b>4.92</b> | 0.88  | 0.16       | <b>0.38</b> | 0.26  | 0.29       | <b>0.37</b> | -0.74 | 0.06             |  |
|                                 |             | 0.11  | 0.01                                |             | 0.13  | 0.00       |             | 0.87  | 0.04       |             | 0.02  | 0.01       |             | -0.08 | 0.00             |  |
| HML4ZY                          | <b>0.52</b> | 0.29  | 1.02                                | <b>0.51</b> | 0.41  | 0.72       | <b>4.21</b> | 0.16  | 0.02       | <b>0.42</b> | 0.85  | 0.33       | <b>0.41</b> | -0.36 | 0.28             |  |
|                                 |             | 0.04  | 0.05                                |             | 0.05  | 0.02       |             | 0.16  | 0.01       |             | 0.06  | 0.01       |             | -0.04 | 0.01             |  |
| XV4JLF                          | <b>0.37</b> | -0.84 | 0.00                                | <b>0.48</b> | 0.13  | 0.00       | <b>4.11</b> | 0.06  | 0.00       | <b>0.36</b> | -0.03 | 0.00       | <b>0.55</b> | 0.97  | 0.00             |  |
|                                 |             | -0.11 | 0.00                                |             | 0.02  | 0.00       |             | 0.06  | 0.00       |             | 0.00  | 0.00       |             | 0.10  | 0.00             |  |
| 2ZLAYD                          | <b>0.68</b> | 1.49  | 0.52                                | <b>0.59</b> | 1.04  | 0.91       | <b>4.20</b> | 0.15  | 0.37       | <b>0.44</b> | 1.19  | 1.18       | <b>0.57</b> | 1.13  | 1.46             |  |
|                                 |             | 0.20  | 0.03                                |             | 0.13  | 0.03       |             | 0.15  | 0.10       |             | 0.08  | 0.04       |             | 0.12  | 0.06             |  |
| 9GTK67                          | <b>0.38</b> | -0.75 | 0.12                                | <b>0.53</b> | 0.56  | 0.73       | <b>4.86</b> | 0.83  | 0.24       | <b>0.39</b> | 0.39  | 0.71       | <b>0.52</b> | 0.68  | 0.30             |  |
|                                 |             | -0.10 | 0.01                                |             | 0.07  | 0.02       |             | 0.82  | 0.07       |             | 0.03  | 0.02       |             | 0.07  | 0.01             |  |
| WWZ2MH                          | <b>0.48</b> | 0.01  | 0.00                                | <b>0.48</b> | 0.13  | 0.00       | <b>4.06</b> | 0.01  | 0.00       | <b>0.47</b> | 1.51  | 0.00       | <b>0.50</b> | 0.46  | 0.00             |  |
|                                 |             | 0.00  | 0.00                                |             | 0.02  | 0.00       |             | 0.01  | 0.00       |             | 0.10  | 0.00       |             | 0.05  | 0.00             |  |
| Z9HQBC                          | <b>0.35</b> | -1.02 | 3.81                                | <b>0.57</b> | 0.90  | 1.00       | <b>4.14</b> | 0.09  | 2.70       | <b>0.36</b> | -0.03 | 0.44       | <b>0.46</b> | 0.11  | 0.35             |  |
|                                 |             | -0.14 | 0.19                                |             | 0.11  | 0.03       |             | 0.09  | 0.74       |             | 0.00  | 0.01       |             | 0.01  | 0.01             |  |
| ZT92XC                          | <b>0.49</b> | 0.06  | 0.34                                | <b>0.50</b> | 0.30  |            | <b>4.05</b> | 0.00  | 0.06       | <b>0.36</b> | -0.03 | 0.33       | <b>0.50</b> | 0.54  | 0.14             |  |
|                                 |             | 0.01  | 0.02                                |             | 0.04  | 0.00       |             | 0.00  | 0.02       |             | 0.00  | 0.01       |             | 0.06  | 0.01             |  |
| V3RMFD                          | <b>0.48</b> | 0.00  | 0.16                                | <b>0.34</b> | -1.02 | 2.73       | <b>3.63</b> | -0.42 | 0.22       | <b>0.42</b> | 0.90  | 1.85       | <b>0.27</b> | -1.61 | 1.16             |  |
|                                 |             | 0.00  | 0.01                                |             | -0.12 | 0.08       |             | -0.42 | 0.06       |             | 0.06  | 0.06       |             | -0.17 | 0.05             |  |
| K4H7TN                          | <b>0.43</b> | -0.37 | 1.14                                | <b>0.30</b> | -1.36 | 0.00       | <b>2.70</b> | -1.36 | 0.37       | <b>0.33</b> | -0.43 | 1.93       | <b>0.43</b> | -0.11 | 1.40             |  |
|                                 |             | -0.05 | 0.06                                |             | -0.16 | 0.00       |             | -1.35 | 0.10       |             | -0.03 | 0.06       |             | -0.01 | 0.06             |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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  |
|--------------------------|---------------|----------|---------|---------------|----------|----------|-----------------|----------|---------|---------------|----------|----------|---------------|----------|----------|
|                          | Difference    |          | W/L STD | Difference    |          | W/L STD  | Difference      |          | W/L STD | Difference    |          | W/L STD  | Difference    |          | W/L STD  |
| <b>9WKG82</b>            | <b>0.20</b>   | -2.12    | 1.97    | <b>0.30</b>   | -1.36    | 3.45     | <b>3.73</b>     | -0.32    | 3.47    | <b>0.30</b>   | -0.92    | 3.35     | <b>0.33</b>   | -1.05    | 3.70     |
| <b>EDQREV</b>            | <b>0.46</b>   | -0.28    | 0.10    | <b>0.50</b>   | -0.16    | 0.10     | <b>5.66</b>     | -0.31    | 0.95    | <b>0.39</b>   | -0.06    | 0.10     | <b>0.49</b>   | -0.11    | 0.15     |
| <b>6K3QU3</b>            | <b>0.24</b>   | -0.15    | 0.97    | <b>0.59</b>   | 0.28     | 0.53     | <b>4.56</b>     | 1.63     | 0.45    | <b>0.35</b>   | 0.40     | 0.07     | <b>0.49</b>   | 0.41     | 0.29     |
| <b>EJR4AR</b>            | <b>0.53</b>   | -0.02    | 0.05    | <b>0.52</b>   | 0.03     | 0.02     | <b>3.58</b>     | 1.61     | 0.12    | <b>0.40</b>   | 0.03     | 0.00     | <b>0.49</b>   | 0.04     | 0.01     |
| <b>D79YPQ</b>            | <b>0.56</b>   | -1.82    | 0.52    | <b>0.46</b>   | 1.04     | 0.60     | <b>3.97</b>     | 0.52     | 0.18    | <b>0.35</b>   | -0.13    | 0.70     | <b>0.54</b>   | 0.38     | 0.28     |
| <b>HU3FFL</b>            | <b>0.23</b>   | -0.24    | 0.03    | <b>0.23</b>   | 0.13     | 0.02     | <b>3.21</b>     | 0.51     | 0.05    | <b>0.12</b>   | -0.01    | 0.02     | <b>0.27</b>   | 0.04     | 0.01     |
| <b>N6HFCF</b>            | <b>651.67</b> | 0.39     | 0.45    | <b>501.33</b> | 0.44     | 0.20     | <b>5,060.00</b> | -0.47    | 0.75    | <b>478.67</b> | 0.60     | 0.19     | <b>601.33</b> | 0.41     | 0.42     |
| <b>9KRXTW</b>            | <b>0.54</b>   | 0.05     | 0.02    | <b>0.42</b>   | 0.05     | 0.01     | <b>3.37</b>     | -0.47    | 0.21    | <b>0.41</b>   | 0.04     | 0.01     | <b>0.33</b>   | 0.04     | 0.02     |
|                          |               | 0.59     | 0.20    |               | -0.03    | 0.69     |                 | -0.08    | 0.25    |               | -0.18    | 0.89     |               | 0.85     | 0.37     |
|                          |               | -0.08    | 0.01    |               | 0.00     | 0.02     |                 | -0.08    | 0.07    |               | -0.01    | 0.03     |               | 0.09     | 0.02     |
|                          |               | -1.87    | 1.25    |               | -1.92    | 0.04     |                 | -0.85    | 0.16    |               | -3.61    | 0.71     |               | -1.63    | 0.81     |
|                          |               | -0.25    | 0.06    |               | -0.23    | 0.00     |                 | -0.84    | 0.04    |               | -0.24    | 0.02     |               | -0.18    | 0.03     |
|                          |               | 4,888.99 | 435.63  |               | 4,145.87 | 2,003.64 |                 | 5,108.72 | 862.32  |               | 7,051.34 | 1,000.71 |               | 5,596.16 | 1,007.90 |
|                          |               | 651.18   | 22.14   |               | 500.87   | 58.05    |                 | 5,055.95 | 235.16  |               | 478.30   | 29.91    |               | 600.89   | 41.63    |
|                          |               | 0.44     | 0.75    |               | -0.33    | 0.23     |                 | -0.68    | 0.29    |               | 0.64     | 0.35     |               | -1.11    | 0.29     |
|                          |               | 0.06     | 0.04    |               | -0.04    | 0.01     |                 | -0.68    | 0.08    |               | 0.04     | 0.01     |               | -0.12    | 0.01     |
| <b>Grand Median</b>      |               | 0.48     |         | 0.46          |          |          | 4.05            |          |         | 0.36          |          |          | 0.45          |          |          |
| <b>Median Abs Dev</b>    |               | 0.08     |         | 0.06          |          |          | 0.47            |          |         | 0.03          |          |          | 0.06          |          |          |
| <b>Avg Within Lab SD</b> |               | 0.05     |         | 0.03          |          |          | 0.27            |          |         | 0.03          |          |          | 0.04          |          |          |
| <b>Labs Included</b>     |               | 27       |         | 27            |          |          | 27              |          |         | 27            |          |          | 27            |          |          |
| <b>Labs Reporting</b>    |               | 27       |         | 27            |          |          | 27              |          |         | 27            |          |          | 27            |          |          |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil EC (1:2) (SubTestCode 115) | in the Soil pH & EC Property Groups |       |      |            |       |      |            |       |      |            |       |      |            |       |      | Data units: dS/m |
|---------------------------------|-------------------------------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|------------------|
|                                 | SRSSRS1606                          |       |      | SRSSRS1607 |       |      | SRSSRS1608 |       |      | SRSSRS1609 |       |      | SRSSRS1610 |       |      |                  |
| ETFYA8                          | 0.29                                | 0.15  | 0.77 | 0.28       | -0.64 | 1.27 | 3.72       | -0.30 | 0.21 | 0.24       | 0.18  | 1.54 | 0.30       | 0.17  | 1.06 |                  |
|                                 |                                     | 0.01  | 0.01 |            | -0.04 | 0.02 |            | -0.50 | 0.05 |            | 0.01  | 0.02 |            | 0.01  | 0.02 |                  |
| QHLKDT                          | 0.25                                | -0.53 | 0.42 | 0.31       | -0.10 | 0.13 | 4.09       | -0.08 | 0.12 | 0.22       | -0.13 | 1.07 | 0.27       | -0.18 | 0.25 |                  |
|                                 |                                     | -0.04 | 0.01 |            | -0.01 | 0.00 |            | -0.13 | 0.03 |            | -0.01 | 0.01 |            | -0.01 | 0.00 |                  |
| LU92FX                          | 0.36                                | 1.05  | 0.70 | 0.32       | 0.00  | 1.25 | 3.81       | -0.25 | 0.10 | 0.25       | 0.44  | 1.57 | 0.26       | -0.43 | 0.36 |                  |
|                                 |                                     | 0.07  | 0.01 |            | 0.00  | 0.02 |            | -0.41 | 0.03 |            | 0.02  | 0.02 |            | -0.03 | 0.01 |                  |
| PD8M9Q                          | 0.15                                | -1.98 | 1.26 | 0.26       | -0.93 | 0.95 | 2.64       | -0.95 | 1.67 | 0.18       | -1.17 | 2.58 | 0.27       | -0.20 | 3.72 |                  |
|                                 |                                     | -0.14 | 0.02 |            | -0.06 | 0.01 |            | -1.58 | 0.43 |            | -0.05 | 0.03 |            | -0.01 | 0.06 |                  |
| YM93AG                          | 0.27                                | -0.24 | 0.03 | 0.34       | 0.42  | 0.59 | 4.22       | 0.00  | 0.08 | 0.22       | -0.18 | 0.21 | 0.29       | 0.00  | 0.21 |                  |
|                                 |                                     | -0.02 | 0.00 |            | 0.03  | 0.01 |            | 0.00  | 0.02 |            | -0.01 | 0.00 |            | 0.00  | 0.00 |                  |
| QP24XR                          | 0.31                                | 0.31  | 0.13 | 0.32       | -0.02 | 0.96 | 4.07       | -0.09 | 0.05 | 0.23       | 0.16  | 0.48 | 0.25       | -0.48 | 0.45 |                  |
|                                 |                                     | 0.02  | 0.00 |            | 0.00  | 0.01 |            | -0.15 | 0.01 |            | 0.01  | 0.00 |            | -0.04 | 0.01 |                  |
| 9P39J6                          | 0.25                                | -0.43 | 0.00 | 0.35       | 0.53  | 0.00 | 4.67       | 0.27  | 0.00 | 0.20       | -0.54 | 0.00 | 0.27       | -0.22 | 0.00 |                  |
|                                 |                                     | -0.03 | 0.00 |            | 0.03  | 0.00 |            | 0.45  | 0.00 |            | -0.02 | 0.00 |            | -0.02 | 0.00 |                  |
| KJBZ3T                          | 0.28                                | -0.07 | 0.26 | 0.25       | -0.99 | 0.70 | 3.54       | -0.41 | 1.11 | 0.14       | -2.06 | 0.86 | 0.12       | -2.25 | 1.01 |                  |
|                                 |                                     | -0.01 | 0.00 |            | -0.06 | 0.01 |            | -0.68 | 0.28 |            | -0.09 | 0.01 |            | -0.17 | 0.02 |                  |
| E8KYJY                          | 0.22                                | -0.88 | 0.35 | 0.29       | -0.36 | 0.47 | 3.32       | -0.54 | 0.10 | 0.22       | -0.25 | 0.59 | 0.26       | -0.38 | 1.07 |                  |
|                                 |                                     | -0.06 | 0.01 |            | -0.02 | 0.01 |            | -0.90 | 0.03 |            | -0.01 | 0.01 |            | -0.03 | 0.02 |                  |
| XD4VUG                          | 0.36                                | 1.10  | 0.61 | 0.32       | 0.00  | 0.47 | 3.16       | -0.64 | 0.04 | 0.25       | 0.44  | 0.59 | 0.31       | 0.30  | 0.00 |                  |
|                                 |                                     | 0.08  | 0.01 |            | 0.00  | 0.01 |            | -1.06 | 0.01 |            | 0.02  | 0.01 |            | 0.02  | 0.00 |                  |
| MFPVJN                          | 0.29                                | 0.13  | 3.54 | 0.37       | 0.83  | 1.64 | 19.33      | 9.14  | 4.54 | 0.26       | 0.82  | 0.59 | 0.39       | 1.34  | 0.36 |                  |
|                                 |                                     | 0.01  | 0.06 |            | 0.05  | 0.02 |            | 15.11 | 1.15 |            | 0.04  | 0.01 |            | 0.10  | 0.01 |                  |
| Z9HQBC                          | 0.18                                | -1.45 | 1.26 | 0.29       | -0.46 | 1.89 | 3.83       | -0.23 | 1.23 | 0.19       | -0.79 | 0.59 | 0.54       | 3.45  | 0.85 |                  |
|                                 |                                     | -0.10 | 0.02 |            | -0.03 | 0.02 |            | -0.39 | 0.31 |            | -0.03 | 0.01 |            | 0.25  | 0.01 |                  |
| F4VC3W                          | 0.31                                | 0.34  | 0.30 | 0.36       | 0.69  | 0.25 | 4.74       | 0.31  | 0.07 | 0.24       | 0.22  | 0.31 | 0.29       | 0.06  | 0.15 |                  |
|                                 |                                     | 0.02  | 0.01 |            | 0.04  | 0.00 |            | 0.52  | 0.02 |            | 0.01  | 0.00 |            | 0.00  | 0.00 |                  |
| YNEK8D                          | 0.37                                | 1.28  | 0.12 | 0.43       | 1.68  | 0.29 | 5.72       | 0.91  | 0.06 | 0.28       | 1.19  | 0.30 | 0.37       | 1.15  | 2.04 |                  |
|                                 |                                     | 0.09  | 0.00 |            | 0.11  | 0.00 |            | 1.50  | 0.02 |            | 0.05  | 0.00 |            | 0.08  | 0.03 |                  |
| RF99BG                          | 0.33                                | 0.63  | 2.37 | 0.30       | -0.27 | 1.73 | 3.64       | -0.35 | 0.27 | 0.23       | -0.03 | 1.79 | 0.26       | -0.43 | 1.03 |                  |
|                                 |                                     | 0.04  | 0.04 |            | -0.02 | 0.02 |            | -0.58 | 0.07 |            | 0.00  | 0.02 |            | -0.03 | 0.02 |                  |
| 9FFARZ                          | 0.20                                | -1.21 | 0.00 | 0.30       | -0.26 | 0.00 | 3.60       | -0.37 | 0.00 | 0.20       | -0.63 | 0.00 | 0.30       | 0.16  | 0.00 |                  |
|                                 |                                     | -0.08 | 0.00 |            | -0.02 | 0.00 |            | -0.62 | 0.00 |            | -0.03 | 0.00 |            | 0.01  | 0.00 |                  |
| BX698W                          | 0.28                                | -0.08 | 0.24 | 0.33       | 0.13  | 0.79 | 4.23       | 0.00  | 0.25 | 0.23       | 0.00  | 0.06 | 0.29       | 0.00  | 0.14 |                  |
|                                 |                                     | -0.01 | 0.00 |            | 0.01  | 0.01 |            | 0.01  | 0.06 |            | 0.00  | 0.00 |            | 0.00  | 0.00 |                  |
| EDQREV                          | 0.34                                | 0.74  | 0.22 | 0.28       | -0.52 | 0.49 | 4.53       | 0.19  | 0.27 | 0.22       | -0.10 | 0.26 | 0.28       | -0.05 | 0.33 |                  |
|                                 |                                     | 0.05  | 0.00 |            | -0.03 | 0.01 |            | 0.31  | 0.07 |            | 0.00  | 0.00 |            | 0.00  | 0.01 |                  |
| XXB2JC                          | 0.26                                | -0.28 | 0.03 | 0.34       | 0.43  | 0.05 | 4.54       | 0.19  | 0.39 | 0.19       | -0.95 | 0.67 | 0.25       | -0.50 | 0.32 |                  |
|                                 |                                     | -0.02 | 0.00 |            | 0.03  | 0.00 |            | 0.32  | 0.10 |            | -0.04 | 0.01 |            | -0.04 | 0.01 |                  |
| 4TXAV7                          | 0.12                                | -2.40 |      | 0.11       | -3.28 |      | 2.98       | -0.75 |      | 0.06       | -3.84 |      | 0.19       | -1.28 |      |                  |
|                                 |                                     | -0.17 | 0.00 |            | -0.21 | 0.00 |            | -1.24 | 0.00 |            | -0.17 | 0.00 |            | -0.09 | 0.00 |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Z4BZ87</b>            | <b>0.28</b>        | 0.00    | 0.16    | <b>0.38</b>        | 0.98    | 0.30    | <b>4.50</b>        | 0.17    | 0.27    | <b>0.23</b>        | 0.11    | 0.67    | <b>0.29</b>        | 0.06    | 0.40    |
|                          |                    | 0.00    | 0.00    |                    | 0.06    | 0.00    |                    | 0.28    | 0.07    |                    | 0.00    | 0.01    |                    | 0.00    | 0.01    |
| <b>6K3QU3</b>            | <b>0.21</b>        | -1.12   | 0.92    | <b>0.31</b>        | -0.05   | 2.06    | <b>3.77</b>        | -0.27   | 0.18    | <b>0.21</b>        | -0.33   | 1.57    | <b>0.26</b>        | -0.38   | 0.62    |
|                          |                    | -0.08   | 0.02    |                    | 0.00    | 0.03    |                    | -0.45   | 0.05    |                    | -0.01   | 0.02    |                    | -0.03   | 0.01    |
| <b>MAXQQK</b>            | <b>0.29</b>        | 0.13    | 1.52    | <b>0.35</b>        | 0.57    | 2.06    | <b>4.41</b>        | 0.12    | 0.30    | <b>0.26</b>        | 0.66    | 2.14    | <b>0.14</b>        | -2.05   | 0.71    |
|                          |                    | 0.01    | 0.03    |                    | 0.04    | 0.03    |                    | 0.19    | 0.08    |                    | 0.03    | 0.02    |                    | -0.15   | 0.01    |
| <b>MZTJBK</b>            | <b>0.29</b>        | 0.09    | 0.61    | <b>0.37</b>        | 0.77    | 1.25    | <b>4.65</b>        | 0.26    | 0.43    | <b>0.24</b>        | 0.36    | 0.59    | <b>0.31</b>        | 0.34    | 1.42    |
|                          |                    | 0.01    | 0.01    |                    | 0.05    | 0.02    |                    | 0.43    | 0.11    |                    | 0.02    | 0.01    |                    | 0.03    | 0.02    |
| <b>6UNU32</b>            | <b>0.35</b>        | 1.00    |         | <b>0.43</b>        | 1.73    |         | <b>5.42</b>        | 0.73    |         | <b>0.33</b>        | 2.25    |         | <b>0.43</b>        | 1.93    |         |
|                          |                    | 0.07    | 0.00    |                    | 0.11    | 0.00    |                    | 1.20    | 0.00    |                    | 0.10    | 0.00    |                    | 0.14    | 0.00    |
| <b>GPT3XM</b>            | <b>0.32</b>        | 0.50    | 0.21    | <b>0.36</b>        | 0.72    | 0.43    | <b>4.81</b>        | 0.36    | 0.00    | <b>0.24</b>        | 0.23    | 0.30    | <b>0.31</b>        | 0.28    | 0.07    |
|                          |                    | 0.03    | 0.00    |                    | 0.05    | 0.01    |                    | 0.59    | 0.00    |                    | 0.01    | 0.00    |                    | 0.02    | 0.00    |
| <b>UJKXPB</b>            | <b>0.28</b>        | -0.09   | 0.06    | <b>0.37</b>        | 0.84    | 0.26    | <b>4.74</b>        | 0.32    | 0.10    | <b>0.23</b>        | 0.15    | 0.31    | <b>0.30</b>        | 0.14    | 0.20    |
|                          |                    | -0.01   | 0.00    |                    | 0.05    | 0.00    |                    | 0.52    | 0.03    |                    | 0.01    | 0.00    |                    | 0.01    | 0.00    |
| <b>Grand Median</b>      |                    | 0.28    |         |                    | 0.32    |         |                    | 4.22    |         |                    | 0.23    |         |                    | 0.29    |         |
| <b>Median Abs Dev</b>    |                    | 0.03    |         |                    | 0.03    |         |                    | 0.50    |         |                    | 0.02    |         |                    | 0.03    |         |
| <b>Avg Within Lab SD</b> |                    | 0.02    |         |                    | 0.01    |         |                    | 0.25    |         |                    | 0.01    |         |                    | 0.02    |         |
| <b>Labs Included</b>     |                    | 27      |         |                    | 27      |         |                    | 27      |         |                    | 27      |         |                    | 27      |         |
| <b>Labs Reporting</b>    |                    | 27      |         |                    | 27      |         |                    | 27      |         |                    | 27      |         |                    | 27      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| pH (1:1) Water (SubTestCode 116) | in the Soil pH & EC Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: Unit |
|----------------------------------|-------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|
|                                  | SRSSRS1606                          |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                  |
| <b>P2ZHHY</b>                    | <b>8.07</b>                         | 0.47  | 0.53 | <b>6.00</b> | 0.58  |      | <b>8.10</b> | 0.85  | 0.00 | <b>5.47</b> | 0.18  | 0.28 | <b>6.40</b> | 1.28  | 0.00 |                  |
|                                  |                                     | 0.09  | 0.06 |             | 0.10  | 0.00 |             | 0.16  | 0.00 |             | 0.04  | 0.06 |             | 0.23  | 0.00 |                  |
| <b>2V9A2L</b>                    | <b>7.78</b>                         | -0.97 | 0.00 | <b>5.74</b> | -0.92 | 0.00 | <b>7.85</b> | -0.47 | 0.04 | <b>5.30</b> | -0.52 | 0.03 | <b>6.10</b> | -0.38 | 0.21 |                  |
|                                  |                                     | -0.19 | 0.00 |             | -0.16 | 0.00 |             | -0.09 | 0.01 |             | -0.13 | 0.01 |             | -0.07 | 0.02 |                  |
| <b>9G9ZXE</b>                    | <b>8.00</b>                         | 0.13  | 0.42 | <b>5.88</b> | -0.10 | 0.09 | <b>7.96</b> | 0.14  | 0.47 | <b>5.37</b> | -0.23 | 0.12 | <b>6.18</b> | 0.09  | 0.89 |                  |
|                                  |                                     | 0.03  | 0.05 |             | -0.02 | 0.02 |             | 0.03  | 0.08 |             | -0.06 | 0.03 |             | 0.02  | 0.06 |                  |
| <b>BYXYDC</b>                    | <b>8.06</b>                         | 0.42  | 0.14 | <b>5.96</b> | 0.36  | 0.71 | <b>7.92</b> | -0.10 | 0.09 | <b>5.68</b> | 1.07  | 0.23 | <b>6.23</b> | 0.37  | 0.32 |                  |
|                                  |                                     | 0.08  | 0.02 |             | 0.06  | 0.12 |             | -0.02 | 0.02 |             | 0.26  | 0.05 |             | 0.07  | 0.02 |                  |
| <b>UJH8JT</b>                    | <b>7.97</b>                         | -0.03 | 0.53 | <b>5.80</b> | -0.58 | 0.00 | <b>7.80</b> | -0.71 | 0.00 | <b>5.50</b> | 0.31  |      | <b>6.07</b> | -0.55 | 0.80 |                  |
|                                  |                                     | -0.01 | 0.06 |             | -0.10 | 0.00 |             | -0.14 | 0.00 |             | 0.08  | 0.00 |             | -0.10 | 0.06 |                  |
| <b>ETFYA8</b>                    | <b>8.08</b>                         | 0.52  | 0.23 | <b>5.92</b> | 0.10  | 0.19 | <b>8.16</b> | 1.18  | 0.19 | <b>5.42</b> | -0.03 | 0.19 | <b>6.20</b> | 0.16  | 0.21 |                  |
|                                  |                                     | 0.10  | 0.03 |             | 0.02  | 0.03 |             | 0.23  | 0.03 |             | -0.01 | 0.04 |             | 0.03  | 0.02 |                  |
| <b>WN8QDL</b>                    | <b>8.05</b>                         | 0.38  | 0.24 | <b>5.81</b> | -0.50 | 0.07 | <b>8.21</b> | 1.41  | 0.04 | <b>5.36</b> | -0.27 | 0.25 | <b>6.30</b> | 0.71  | 0.08 |                  |
|                                  |                                     | 0.08  | 0.03 |             | -0.09 | 0.01 |             | 0.27  | 0.01 |             | -0.06 | 0.05 |             | 0.13  | 0.01 |                  |
| <b>WPJ78M</b>                    | <b>8.00</b>                         | 0.13  |      | <b>6.00</b> | 0.58  |      | <b>7.90</b> | -0.19 | 0.00 | <b>5.33</b> | -0.37 | 0.28 | <b>6.20</b> | 0.18  | 0.00 |                  |
|                                  |                                     | 0.03  | 0.00 |             | 0.10  | 0.00 |             | -0.04 | 0.00 |             | -0.09 | 0.06 |             | 0.03  | 0.00 |                  |
| <b>QHLKDT</b>                    | <b>7.84</b>                         | -0.68 | 0.42 | <b>5.80</b> | -0.59 | 0.23 | <b>7.88</b> | -0.31 | 0.15 | <b>5.46</b> | 0.14  | 0.03 | <b>6.06</b> | -0.57 | 0.52 |                  |
|                                  |                                     | -0.14 | 0.05 |             | -0.10 | 0.04 |             | -0.06 | 0.03 |             | 0.03  | 0.01 |             | -0.10 | 0.04 |                  |
| <b>NM37AU</b>                    | <b>7.91</b>                         | -0.32 | 0.16 | <b>5.79</b> | -0.61 | 0.09 | <b>8.00</b> | 0.33  | 0.21 | <b>5.38</b> | -0.18 | 0.40 | <b>6.11</b> | -0.31 | 0.37 |                  |
|                                  |                                     | -0.06 | 0.02 |             | -0.11 | 0.02 |             | 0.06  | 0.03 |             | -0.04 | 0.08 |             | -0.06 | 0.03 |                  |
| <b>PDR4NU</b>                    | <b>8.00</b>                         | 0.13  |      | <b>5.97</b> | 0.38  | 0.69 | <b>7.97</b> | 0.16  | 0.35 | <b>5.43</b> | 0.04  | 0.28 | <b>6.07</b> | -0.55 | 0.80 |                  |
|                                  |                                     | 0.03  | 0.00 |             | 0.07  | 0.12 |             | 0.03  | 0.06 |             | 0.01  | 0.06 |             | -0.10 | 0.06 |                  |
| <b>LU92FX</b>                    | <b>7.93</b>                         | -0.20 | 0.05 | <b>5.76</b> | -0.81 | 0.12 | <b>7.91</b> | -0.16 | 0.23 | <b>5.30</b> | -0.49 | 0.17 | <b>6.12</b> | -0.24 | 0.16 |                  |
|                                  |                                     | -0.04 | 0.01 |             | -0.14 | 0.02 |             | -0.03 | 0.04 |             | -0.12 | 0.04 |             | -0.04 | 0.01 |                  |
| <b>WP3AEN</b>                    | <b>7.88</b>                         | -0.45 | 0.28 | <b>6.03</b> | 0.73  | 0.12 | <b>7.79</b> | -0.78 | 0.22 | <b>5.89</b> | 1.92  | 0.24 | <b>5.30</b> | -4.76 | 0.65 |                  |
|                                  |                                     | -0.09 | 0.03 |             | 0.13  | 0.02 |             | -0.15 | 0.04 |             | 0.47  | 0.05 |             | -0.87 | 0.05 |                  |
| <b>9JB2YB</b>                    | <b>7.41</b>                         | -2.83 | 0.69 | <b>6.07</b> | 0.98  | 0.24 | <b>7.46</b> | -2.49 | 0.18 | <b>6.19</b> | 3.16  | 0.12 | <b>6.46</b> | 1.59  | 0.35 |                  |
|                                  |                                     | -0.57 | 0.08 |             | 0.17  | 0.04 |             | -0.48 | 0.03 |             | 0.77  | 0.03 |             | 0.29  | 0.03 |                  |
| <b>JMZPA2</b>                    | <b>8.07</b>                         | 0.48  | 0.16 | <b>5.95</b> | 0.31  | 0.15 | <b>8.00</b> | 0.33  | 0.22 | <b>5.39</b> | -0.14 | 0.05 | <b>6.27</b> | 0.57  | 0.41 |                  |
|                                  |                                     | 0.10  | 0.02 |             | 0.05  | 0.03 |             | 0.06  | 0.04 |             | -0.03 | 0.01 |             | 0.10  | 0.03 |                  |
| <b>PD8M9Q</b>                    | <b>8.00</b>                         | 0.13  | 0.32 | <b>5.77</b> | -0.73 | 0.19 | <b>7.89</b> | -0.23 | 0.37 | <b>5.27</b> | -0.62 | 0.10 | <b>6.04</b> | -0.68 | 1.04 |                  |
|                                  |                                     | 0.03  | 0.03 |             | -0.13 | 0.03 |             | -0.04 | 0.06 |             | -0.15 | 0.02 |             | -0.12 | 0.08 |                  |
| <b>4XUXCD</b>                    | <b>8.00</b>                         | 0.13  |      | <b>5.90</b> | 0.00  | 0.00 | <b>8.18</b> | 1.28  | 0.18 | <b>5.38</b> | -0.16 | 0.14 | <b>6.35</b> | 1.00  | 0.69 |                  |
|                                  |                                     | 0.03  | 0.00 |             | 0.00  | 0.00 |             | 0.25  | 0.03 |             | -0.04 | 0.03 |             | 0.18  | 0.05 |                  |
| <b>YM93AG</b>                    | <b>7.96</b>                         | -0.07 | 0.09 | <b>5.82</b> | -0.46 | 0.12 | <b>7.99</b> | 0.26  | 0.13 | <b>5.32</b> | -0.42 | 0.05 | <b>6.21</b> | 0.26  | 0.16 |                  |
|                                  |                                     | -0.01 | 0.01 |             | -0.08 | 0.02 |             | 0.05  | 0.02 |             | -0.10 | 0.01 |             | 0.05  | 0.01 |                  |
| <b>QP24XR</b>                    | <b>7.84</b>                         | -0.68 | 0.69 | <b>5.88</b> | -0.12 | 0.22 | <b>7.70</b> | -1.25 | 0.52 | <b>5.55</b> | 0.53  | 0.63 | <b>6.06</b> | -0.57 | 1.28 |                  |
|                                  |                                     | -0.14 | 0.08 |             | -0.02 | 0.04 |             | -0.24 | 0.09 |             | 0.13  | 0.13 |             | -0.10 | 0.09 |                  |
| <b>HML4ZY</b>                    | <b>8.03</b>                         | 0.30  | 0.53 | <b>5.87</b> | -0.19 | 0.35 | <b>8.00</b> | 0.33  |      | <b>5.23</b> | -0.78 | 0.28 | <b>6.17</b> | 0.00  | 0.80 |                  |
|                                  |                                     | 0.06  | 0.06 |             | -0.03 | 0.06 |             | 0.06  | 0.00 |             | -0.19 | 0.06 |             | 0.00  | 0.06 |                  |





## ALP Program - Participant Web Summary Report - Cycle 30

|        | 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 |
|--------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|
|        |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |
| JDB3EY | 7.94        | -0.18      | 0.05    | 5.85        | -0.29      | 0.00    | 8.03        | 0.49       | 0.00    | 5.37        | -0.22      | 0.05    | 6.30        | 0.73       | 0.00    |
| N7UE8P | 8.05        | -0.04      | 0.01    | 5.92        | -0.05      | 0.00    | 8.03        | 0.09       | 0.00    | 5.38        | -0.05      | 0.01    | 6.16        | 0.13       | 0.00    |
| 9P39J6 | 7.56        | 0.40       | 0.11    | 5.92        | 0.13       | 0.07    | 8.03        | 0.47       | 0.19    | 5.38        | -0.18      | 0.21    | 6.16        | -0.05      | 0.32    |
| KJBZ3T | 7.84        | 0.08       | 0.01    | 5.92        | 0.02       | 0.01    | 8.03        | 0.09       | 0.03    | 5.38        | -0.04      | 0.04    | 6.16        | -0.01      | 0.02    |
| 3HG3JC | 8.12        | -2.06      | 0.19    | 5.48        | -2.44      | 0.14    | 7.75        | -0.97      | 0.06    | 5.12        | -1.25      | 0.10    | 5.88        | -1.59      | 0.21    |
| VMZPEH | 8.07        | -0.41      | 0.02    | 5.48        | -0.42      | 0.02    | 7.75        | -0.19      | 0.01    | 5.12        | -0.30      | 0.02    | 5.88        | -0.29      | 0.02    |
| ZNYNFD | 7.81        | -0.67      | 0.00    | 5.74        | -0.94      | 0.03    | 7.91        | -0.16      | 0.04    | 5.28        | -0.60      | 0.03    | 6.07        | -0.53      | 0.00    |
| E8KYJY | 7.97        | -0.13      | 0.00    | 5.74        | -0.16      | 0.01    | 7.91        | -0.03      | 0.01    | 5.28        | -0.15      | 0.01    | 6.07        | -0.10      | 0.00    |
| XV4JLF | 8.02        | 0.73       |         | 6.71        | 4.66       |         | 7.88        | -0.29      |         | 6.13        | 2.90       |         | 6.34        | 0.95       |         |
| 2ZLAYD | 7.63        | 0.15       | 0.00    | 6.71        | 0.81       | 0.00    | 7.88        | -0.06      | 0.00    | 6.13        | 0.71       | 0.00    | 6.34        | 0.17       | 0.00    |
| T67A2M | 7.71        | 0.47       | 0.30    | 5.89        | -0.08      | 0.12    | 8.02        | 0.42       | 0.18    | 5.28        | -0.59      | 0.05    | 6.14        | -0.16      | 0.65    |
| 9GTK67 | 8.02        | 0.09       | 0.03    | 5.89        | -0.01      | 0.02    | 8.02        | 0.08       | 0.03    | 5.28        | -0.14      | 0.01    | 6.14        | -0.03      | 0.05    |
| Q2DTBN | 8.11        | -0.80      | 0.05    | 6.03        | 0.75       | 0.37    | 7.94        | 0.02       | 0.12    | 6.05        | 2.56       | 0.49    | 6.14        | -0.15      | 0.41    |
| WWZ2MH | 7.79        | -0.16      | 0.01    | 6.03        | 0.13       | 0.06    | 7.94        | 0.00       | 0.02    | 6.05        | 0.62       | 0.10    | 6.14        | -0.03      | 0.03    |
| MFPVJN | 7.98        | 0.00       | 0.11    | 5.90        | -0.02      | 0.03    | 8.02        | 0.45       | 0.09    | 5.36        | -0.25      | 0.16    | 6.23        | 0.33       | 0.29    |
| GC6ZFU | 8.03        | 0.00       | 0.01    | 5.90        | 0.00       | 0.01    | 8.02        | 0.09       | 0.02    | 5.36        | -0.06      | 0.03    | 6.23        | 0.06       | 0.02    |
| T8DRYH | 7.97        | 0.23       | 0.00    | 5.99        | 0.52       | 0.00    | 7.87        | -0.35      | 0.00    | 5.64        | 0.89       | 0.00    | 6.08        | -0.47      | 0.00    |
| 3B3GB8 | 8.01        | 0.05       | 0.00    | 5.99        | 0.09       | 0.00    | 7.87        | -0.07      | 0.00    | 5.64        | 0.22       | 0.00    | 6.08        | -0.09      | 0.00    |
| 6J7BH6 | 7.90        | -1.71      | 1.09    | 5.64        | -1.48      | 0.76    | 7.61        | -1.68      | 0.26    | 5.30        | -0.52      | 0.22    | 5.92        | -1.33      | 0.71    |
| Z9HQBC | 7.56        | -0.34      | 0.12    | 5.64        | -0.26      | 0.13    | 7.61        | -0.32      | 0.04    | 5.30        | -0.13      | 0.05    | 5.92        | -0.24      | 0.05    |
| ZT92XC | 8.04        | -1.33      | 0.37    | 5.84        | -0.35      | 0.22    | 7.70        | -1.21      | 0.20    | 5.36        | -0.25      | 0.20    | 6.42        | 1.39       | 0.37    |
| YNEK8D | 7.49        | -0.27      | 0.04    | 5.84        | -0.06      | 0.04    | 7.70        | -0.23      | 0.03    | 5.36        | -0.06      | 0.04    | 6.42        | 0.25       | 0.03    |
|        |             | 0.22       | 0.23    | 5.77        | -0.77      | 0.09    | 7.79        | -0.74      | 0.22    | 5.32        | -0.42      | 0.08    | 6.10        | -0.38      | 0.16    |
|        |             | 0.04       | 0.03    | 5.77        | -0.13      | 0.02    | 7.79        | -0.14      | 0.04    | 5.32        | -0.10      | 0.02    | 6.10        | -0.07      | 0.01    |
|        |             | 0.70       | 0.19    | 5.95        | 0.27       | 0.09    | 8.00        | 0.33       | 0.12    | 5.41        | -0.04      | 0.19    | 6.16        | -0.02      | 0.21    |
|        |             | 0.14       | 0.02    | 5.95        | 0.05       | 0.02    | 8.00        | 0.06       | 0.02    | 5.41        | -0.01      | 0.04    | 6.16        | 0.00       | 0.02    |
|        |             | -0.90      | 0.05    | 5.82        | -0.48      | 0.03    | 7.82        | -0.61      | 0.00    | 5.60        | 0.73       | 0.00    | 6.16        | -0.04      | 0.00    |
|        |             | -0.18      | 0.01    | 5.82        | -0.08      | 0.01    | 7.82        | -0.12      | 0.00    | 5.60        | 0.18       | 0.00    | 6.16        | -0.01      | 0.00    |
|        |             | 0.02       | 0.27    | 5.93        | 0.15       | 0.21    | 7.94        | 0.00       | 0.19    | 5.71        | 1.18       | 0.67    | 6.38        | 1.15       | 0.65    |
|        |             | 0.00       | 0.03    | 5.93        | 0.03       | 0.04    | 7.94        | 0.00       | 0.03    | 5.71        | 0.29       | 0.14    | 6.38        | 0.21       | 0.05    |
|        |             | 0.30       | 0.47    | 5.96        | 0.35       | 0.10    | 7.91        | -0.14      | 0.22    | 5.44        | 0.05       | 0.20    | 6.60        | 2.39       | 0.65    |
|        |             | 0.06       | 0.05    | 5.96        | 0.06       | 0.02    | 7.91        | -0.03      | 0.04    | 5.44        | 0.01       | 0.04    | 6.60        | 0.44       | 0.05    |
|        |             | 0.00       | 0.51    | 5.93        | 0.17       | 0.48    | 8.00        | 0.35       | 0.83    | 5.42        | 0.00       | 0.31    | 6.51        | 1.90       | 0.58    |
|        |             | 0.00       | 0.06    | 5.93        | 0.03       | 0.08    | 8.00        | 0.07       | 0.14    | 5.42        | 0.00       | 0.06    | 6.51        | 0.35       | 0.04    |
|        |             | 0.20       | 0.23    | 5.94        | 0.25       | 0.24    | 7.97        | 0.19       | 0.28    | 5.50        | 0.31       | 0.21    | 6.27        | 0.58       | 0.16    |
|        |             | 0.04       | 0.03    | 5.94        | 0.04       | 0.04    | 7.97        | 0.04       | 0.05    | 5.50        | 0.08       | 0.04    | 6.27        | 0.11       | 0.01    |
|        |             | -0.38      | 0.05    | 5.86        | -0.23      | 0.06    | 7.95        | 0.05       | 0.04    | 5.22        | -0.83      | 0.10    | 6.09        | -0.44      | 0.08    |
|        |             | -0.08      | 0.01    | 5.86        | -0.04      | 0.01    | 7.95        | 0.01       | 0.01    | 5.22        | -0.20      | 0.02    | 6.09        | -0.08      | 0.01    |
|        |             | -2.06      | 0.70    | 6.05        | 0.86       | 0.93    | 7.53        | -2.11      | 0.64    | 5.64        | 0.88       | 0.81    | 6.01        | -0.84      | 1.02    |
|        |             | -0.41      | 0.08    | 6.05        | 0.15       | 0.16    | 7.53        | -0.41      | 0.10    | 5.64        | 0.21       | 0.17    | 6.01        | -0.15      | 0.07    |
|        |             | 0.35       | 0.23    | 5.86        | -0.21      | 0.28    | 8.10        | 0.87       | 0.13    | 5.43        | 0.01       | 0.06    | 6.26        | 0.51       | 0.37    |
|        |             | 0.07       | 0.03    | 5.86        | -0.04      | 0.05    | 8.10        | 0.17       | 0.02    | 5.43        | 0.00       | 0.01    | 6.26        | 0.09       | 0.03    |
|        |             | -2.41      | 7.00    | 6.50        | 3.43       | 7.56    | 7.21        | -3.78      | 7.59    | 6.21        | 3.24       | 7.53    | 5.84        | -1.81      | 6.20    |
|        |             | -0.48      | 0.76    | 6.50        | 0.60       | 1.26    | 7.21        | -0.73      | 1.24    | 6.21        | 0.79       | 1.54    | 5.84        | -0.33      | 0.45    |



## ALP Program - Participant Web Summary Report - Cycle 30

|               | 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 |
|---------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
|               | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD |
| <b>V3RMFD</b> | <b>7.96</b> | -0.09   | 0.59    | <b>5.74</b> | -0.90   | 0.21    | <b>7.97</b> | 0.17    | 0.30    | <b>5.46</b> | 0.17    | 0.57    | <b>6.02</b> | -0.78   | 0.70    |
|               |             | -0.02   | 0.06    |             | -0.16   | 0.04    |             | 0.03    | 0.05    |             | 0.04    | 0.12    |             | -0.14   | 0.05    |
| <b>PZ7RCJ</b> | <b>8.11</b> | 0.70    | 0.11    | <b>5.92</b> | 0.12    | 0.21    | <b>8.03</b> | 0.47    | 0.07    | <b>5.43</b> | 0.01    | 0.03    | <b>6.26</b> | 0.49    | 0.29    |
|               |             | 0.14    | 0.01    |             | 0.02    | 0.03    |             | 0.09    | 0.01    |             | 0.00    | 0.01    |             | 0.09    | 0.02    |
| <b>BX698W</b> | <b>8.00</b> | 0.13    | 0.24    | <b>5.80</b> | -0.56   | 0.09    | <b>7.96</b> | 0.10    | 0.25    | <b>5.29</b> | -0.55   | 0.13    | <b>6.18</b> | 0.05    | 0.21    |
|               |             | 0.03    | 0.03    |             | -0.10   | 0.02    |             | 0.02    | 0.04    |             | -0.13   | 0.03    |             | 0.01    | 0.02    |
| <b>7KWVN2</b> | <b>7.62</b> | -1.76   | 0.48    | <b>5.51</b> | -2.24   | 0.06    | <b>7.79</b> | -0.74   | 0.20    | <b>5.00</b> | -1.75   | 0.17    | <b>5.89</b> | -1.50   | 0.42    |
|               |             | -0.35   | 0.05    |             | -0.39   | 0.01    |             | -0.14   | 0.03    |             | -0.43   | 0.04    |             | -0.27   | 0.03    |
| <b>K4H7TN</b> | <b>8.13</b> | 0.80    | 0.53    | <b>6.03</b> | 0.77    | 0.35    | <b>7.93</b> | -0.02   | 0.35    | <b>5.40</b> | -0.10   | 0.00    | <b>6.20</b> | 0.18    | 0.00    |
|               |             | 0.16    | 0.06    |             | 0.13    | 0.06    |             | 0.00    | 0.06    |             | -0.02   | 0.00    |             | 0.03    | 0.00    |
| <b>EDQREV</b> | <b>7.36</b> | -3.05   | 0.48    | <b>5.98</b> | 0.48    | 0.09    | <b>7.68</b> | -1.33   | 0.31    | <b>5.27</b> | -0.63   | 0.38    | <b>6.23</b> | 0.37    | 0.08    |
|               |             | -0.61   | 0.05    |             | 0.08    | 0.02    |             | -0.26   | 0.05    |             | -0.15   | 0.08    |             | 0.07    | 0.01    |
| <b>4QUEC3</b> | <b>7.77</b> | -1.02   | 0.19    | <b>6.12</b> | 1.25    | 0.07    | <b>7.87</b> | -0.33   | 0.04    | <b>5.73</b> | 1.26    | 0.18    | <b>6.35</b> | 1.00    | 0.28    |
|               |             | -0.20   | 0.02    |             | 0.22    | 0.01    |             | -0.06   | 0.01    |             | 0.31    | 0.04    |             | 0.18    | 0.02    |
| <b>Z4BZ87</b> | <b>7.97</b> | -0.03   | 0.53    | <b>5.90</b> | 0.00    | 0.00    | <b>8.03</b> | 0.50    | 0.35    | <b>5.47</b> | 0.18    | 0.28    | <b>6.17</b> | 0.00    | 0.80    |
|               |             | -0.01   | 0.06    |             | 0.00    | 0.00    |             | 0.10    | 0.06    |             | 0.04    | 0.06    |             | 0.00    | 0.06    |
| <b>ABZYEY</b> | <b>8.10</b> | 0.62    | 0.14    | <b>5.87</b> | -0.17   | 0.06    | <b>8.15</b> | 1.09    | 0.09    | <b>5.46</b> | 0.15    | 0.05    | <b>6.35</b> | 1.00    | 0.14    |
|               |             | 0.12    | 0.02    |             | -0.03   | 0.01    |             | 0.21    | 0.02    |             | 0.04    | 0.01    |             | 0.18    | 0.01    |
| <b>LWH7TL</b> | <b>8.00</b> | 0.13    |         | <b>5.80</b> | -0.58   | 0.00    | <b>8.03</b> | 0.50    | 0.35    | <b>5.20</b> | -0.92   | 0.00    | <b>6.13</b> | -0.18   | 0.80    |
|               |             | 0.03    | 0.00    |             | -0.10   | 0.00    |             | 0.10    | 0.06    |             | -0.22   | 0.00    |             | -0.03   | 0.06    |
| <b>6K3QU3</b> | <b>7.64</b> | -1.68   | 1.68    | <b>6.21</b> | 1.80    | 0.57    | <b>7.64</b> | -1.54   | 0.77    | <b>5.71</b> | 1.16    | 1.47    | <b>6.08</b> | -0.46   | 0.35    |
|               |             | -0.34   | 0.18    |             | 0.31    | 0.10    |             | -0.30   | 0.13    |             | 0.28    | 0.30    |             | -0.08   | 0.03    |
| <b>MAXQQK</b> | <b>8.02</b> | 0.25    | 0.43    | <b>5.89</b> | -0.06   | 0.27    | <b>8.05</b> | 0.59    | 0.22    | <b>5.30</b> | -0.51   | 0.13    | <b>6.11</b> | -0.31   | 0.48    |
|               |             | 0.05    | 0.05    |             | -0.01   | 0.05    |             | 0.11    | 0.04    |             | -0.12   | 0.03    |             | -0.06   | 0.03    |
| <b>EJR4AR</b> | <b>7.93</b> | -0.20   | 0.53    | <b>5.90</b> | 0.00    | 0.00    | <b>7.90</b> | -0.19   | 0.00    | <b>5.47</b> | 0.18    | 0.28    | <b>6.30</b> | 0.73    | 2.39    |
|               |             | -0.04   | 0.06    |             | 0.00    | 0.00    |             | -0.04   | 0.00    |             | 0.04    | 0.06    |             | 0.13    | 0.17    |
| <b>MZTJBK</b> | <b>8.06</b> | 0.42    | 0.97    | <b>6.18</b> | 1.59    | 0.07    | <b>8.04</b> | 0.54    | 0.27    | <b>5.39</b> | -0.14   | 0.05    | <b>6.22</b> | 0.27    | 1.13    |
|               |             | 0.08    | 0.11    |             | 0.28    | 0.01    |             | 0.10    | 0.04    |             | -0.03   | 0.01    |             | 0.05    | 0.08    |
| <b>D79YPQ</b> | <b>7.69</b> | -1.40   | 0.14    | <b>5.94</b> | 0.25    | 0.18    | <b>7.62</b> | -1.66   | 0.23    | <b>5.46</b> | 0.14    | 0.07    | <b>6.12</b> | -0.26   | 0.28    |
|               |             | -0.28   | 0.02    |             | 0.04    | 0.03    |             | -0.32   | 0.04    |             | 0.03    | 0.02    |             | -0.05   | 0.02    |
| <b>HX3QCL</b> | <b>7.93</b> | -0.20   | 0.53    | <b>5.90</b> | 0.00    | 0.00    | <b>7.90</b> | -0.19   | 0.00    | <b>5.37</b> | -0.23   | 0.28    | <b>6.20</b> | 0.18    | 0.00    |
|               |             | -0.04   | 0.06    |             | 0.00    | 0.00    |             | -0.04   | 0.00    |             | -0.06   | 0.06    |             | 0.03    | 0.00    |
| <b>HU3FFL</b> | <b>8.28</b> | 1.53    | 0.73    | <b>5.97</b> | 0.38    | 0.03    | <b>8.31</b> | 1.96    | 0.07    | <b>5.44</b> | 0.07    | 0.13    | <b>6.20</b> | 0.20    | 0.44    |
|               |             | 0.31    | 0.08    |             | 0.07    | 0.01    |             | 0.38    | 0.01    |             | 0.02    | 0.03    |             | 0.04    | 0.03    |
| <b>GF8XQM</b> | <b>7.77</b> | -1.03   | 1.41    | <b>6.20</b> | 1.73    | 0.60    | <b>7.73</b> | -1.06   | 0.35    | <b>6.40</b> | 4.01    | 0.49    | <b>6.33</b> | 0.91    | 1.60    |
|               |             | -0.21   | 0.15    |             | 0.30    | 0.10    |             | -0.20   | 0.06    |             | 0.98    | 0.10    |             | 0.17    | 0.12    |
| <b>N6HFCF</b> | <b>8.02</b> | 0.25    | 0.27    | <b>5.89</b> | -0.06   | 0.10    | <b>7.99</b> | 0.26    | 0.43    | <b>5.44</b> | 0.05    | 0.12    | <b>6.19</b> | 0.11    | 0.16    |
|               |             | 0.05    | 0.03    |             | -0.01   | 0.02    |             | 0.05    | 0.07    |             | 0.01    | 0.03    |             | 0.02    | 0.01    |
| <b>DTNJLQ</b> | <b>7.90</b> | -0.37   |         | <b>5.80</b> | -0.58   |         | <b>7.90</b> | -0.19   |         | <b>5.50</b> | 0.31    |         | <b>6.00</b> | -0.91   |         |
|               |             | -0.07   | 0.00    |             | -0.10   | 0.00    |             | -0.04   | 0.00    |             | 0.08    | 0.00    |             | -0.17   | 0.00    |
| <b>9KRXTW</b> | <b>7.72</b> | -1.26   | 0.19    | <b>6.00</b> | 0.56    | 0.58    | <b>8.02</b> | 0.45    | 1.02    | <b>5.55</b> | 0.53    | 0.43    | <b>6.16</b> | -0.04   | 0.97    |
|               |             | -0.25   | 0.02    |             | 0.10    | 0.10    |             | 0.09    | 0.17    |             | 0.13    | 0.09    |             | -0.01   | 0.07    |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 7.97    |         |                    | 5.90    |         |                    | 7.94    |         |                    | 5.42    |         |                    | 6.17    |         |
| <b>Median Abs Dev</b>    |                    | 0.08    |         |                    | 0.08    |         |                    | 0.09    |         |                    | 0.09    |         |                    | 0.09    |         |
| <b>Avg Within Lab SD</b> |                    | 0.11    |         |                    | 0.17    |         |                    | 0.16    |         |                    | 0.20    |         |                    | 0.07    |         |
| <b>Labs Included</b>     |                    | 63      |         |                    | 63      |         |                    | 63      |         |                    | 63      |         |                    | 63      |         |
| <b>Labs Reporting</b>    |                    | 63      |         |                    | 63      |         |                    | 63      |         |                    | 63      |         |                    | 63      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| pH (1:2) Water (SubTestCode 117) | in the Soil pH & EC Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: Unit |       |      |
|----------------------------------|-------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|-------|------|
|                                  | SRSSRS1606                          |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610       |       |      |
| <b>ETFYA8</b>                    | <b>8.22</b>                         | 0.53  | 0.28 | <b>6.05</b> | -0.32 | 0.16 | <b>8.18</b> | 0.69  | 0.34 | <b>5.55</b> | -0.17 | 0.42 | <b>6.33</b>      | 0.34  | 0.23 |
|                                  |                                     | 0.18  | 0.04 |             | -0.06 | 0.02 |             | 0.23  | 0.03 |             | -0.05 | 0.03 |                  | 0.06  | 0.02 |
| <b>QHLKDT</b>                    | <b>7.96</b>                         | -0.20 | 0.39 | <b>6.01</b> | -0.54 | 0.43 | <b>7.92</b> | -0.09 | 0.32 | <b>5.52</b> | -0.27 | 0.76 | <b>6.22</b>      | -0.32 | 0.46 |
|                                  |                                     | -0.07 | 0.06 |             | -0.10 | 0.04 |             | -0.03 | 0.03 |             | -0.08 | 0.06 |                  | -0.05 | 0.03 |
| <b>LU92FX</b>                    | <b>8.08</b>                         | 0.13  | 0.25 | <b>5.85</b> | -1.45 | 0.11 | <b>7.95</b> | 0.00  | 0.60 | <b>5.36</b> | -0.79 | 0.12 | <b>6.19</b>      | -0.49 | 0.23 |
|                                  |                                     | 0.05  | 0.04 |             | -0.26 | 0.01 |             | 0.00  | 0.05 |             | -0.24 | 0.01 |                  | -0.08 | 0.02 |
| <b>QP24XR</b>                    | <b>7.78</b>                         | -0.74 | 1.13 | <b>6.10</b> | -0.04 | 0.25 | <b>7.89</b> | -0.18 | 0.29 | <b>5.83</b> | 0.74  | 2.80 | <b>6.98</b>      | 4.15  | 2.81 |
|                                  |                                     | -0.26 | 0.16 |             | -0.01 | 0.02 |             | -0.06 | 0.02 |             | 0.23  | 0.23 |                  | 0.70  | 0.19 |
| <b>VMZPEH</b>                    | <b>8.12</b>                         | 0.26  | 0.23 | <b>6.01</b> | -0.56 | 0.21 | <b>8.05</b> | 0.31  | 0.13 | <b>5.35</b> | -0.83 | 0.42 | <b>6.23</b>      | -0.28 | 0.66 |
|                                  |                                     | 0.09  | 0.03 |             | -0.10 | 0.02 |             | 0.10  | 0.01 |             | -0.26 | 0.04 |                  | -0.05 | 0.04 |
| <b>2RDHVB</b>                    | <b>8.01</b>                         | -0.08 | 3.52 | <b>6.14</b> | 0.19  | 3.95 | <b>8.32</b> | 1.11  | 3.76 | <b>5.60</b> | 0.00  | 1.03 | <b>6.32</b>      | 0.28  | 1.17 |
|                                  |                                     | -0.03 | 0.50 |             | 0.03  | 0.37 |             | 0.37  | 0.29 |             | 0.00  | 0.09 |                  | 0.05  | 0.08 |
| <b>Z9HQBC</b>                    | <b>7.33</b>                         | -2.02 | 0.88 | <b>6.38</b> | 1.48  | 1.10 | <b>7.15</b> | -2.36 | 1.99 | <b>6.31</b> | 2.29  | 2.13 | <b>6.26</b>      | -0.10 | 0.84 |
|                                  |                                     | -0.70 | 0.12 |             | 0.27  | 0.10 |             | -0.80 | 0.16 |             | 0.71  | 0.18 |                  | -0.02 | 0.06 |
| <b>F4VC3W</b>                    | <b>7.79</b>                         | -0.70 | 0.21 | <b>6.32</b> | 1.17  | 0.37 | <b>7.60</b> | -1.04 | 0.15 | <b>5.68</b> | 0.26  | 0.82 | <b>6.30</b>      | 0.16  | 0.38 |
|                                  |                                     | -0.24 | 0.03 |             | 0.21  | 0.03 |             | -0.35 | 0.01 |             | 0.08  | 0.07 |                  | 0.03  | 0.03 |
| <b>RF99BG</b>                    | <b>8.07</b>                         | 0.10  | 0.41 | <b>6.40</b> | 1.61  | 1.07 | <b>8.00</b> | 0.16  |      | <b>5.63</b> | 0.10  | 0.70 | <b>6.63</b>      | 2.12  | 2.31 |
|                                  |                                     | 0.03  | 0.06 |             | 0.29  | 0.10 |             | 0.05  | 0.00 |             | 0.03  | 0.06 |                  | 0.36  | 0.15 |
| <b>9FFARZ</b>                    | <b>8.07</b>                         | 0.10  | 2.26 | <b>5.93</b> | -0.98 | 0.62 | <b>8.07</b> | 0.36  | 0.74 | <b>5.20</b> | -1.30 | 2.09 | <b>6.30</b>      | 0.14  | 1.51 |
|                                  |                                     | 0.03  | 0.32 |             | -0.18 | 0.06 |             | 0.12  | 0.06 |             | -0.40 | 0.17 |                  | 0.02  | 0.10 |
| <b>9WKG82</b>                    | <b>8.03</b>                         | 0.00  | 0.41 | <b>6.07</b> | -0.24 | 1.24 | <b>8.07</b> | 0.36  | 0.74 | <b>5.40</b> | -0.66 | 0.00 | <b>6.27</b>      | -0.06 | 0.87 |
|                                  |                                     | 0.00  | 0.06 |             | -0.04 | 0.12 |             | 0.12  | 0.06 |             | -0.20 | 0.00 |                  | -0.01 | 0.06 |
| <b>EDQREV</b>                    | <b>7.58</b>                         | -1.31 | 0.36 | <b>6.17</b> | 0.35  | 0.38 | <b>7.82</b> | -0.37 | 0.52 | <b>5.39</b> | -0.70 | 0.67 | <b>6.28</b>      | 0.00  | 0.38 |
|                                  |                                     | -0.46 | 0.05 |             | 0.06  | 0.04 |             | -0.12 | 0.04 |             | -0.22 | 0.06 |                  | 0.00  | 0.03 |
| <b>XXB2JC</b>                    | <b>8.23</b>                         | 0.56  | 0.11 | <b>6.11</b> | 0.02  | 0.06 | <b>8.11</b> | 0.49  | 0.07 | <b>5.64</b> | 0.12  | 0.12 | <b>6.48</b>      | 1.23  | 0.09 |
|                                  |                                     | 0.19  | 0.02 |             | 0.00  | 0.01 |             | 0.17  | 0.01 |             | 0.04  | 0.01 |                  | 0.21  | 0.01 |
| <b>4TXAV7</b>                    | <b>8.39</b>                         | 1.02  |      | <b>6.14</b> | 0.17  |      | <b>8.08</b> | 0.40  |      | <b>5.96</b> | 1.15  |      | <b>6.23</b>      | -0.28 |      |
|                                  |                                     | 0.36  | 0.00 |             | 0.03  | 0.00 |             | 0.13  | 0.00 |             | 0.36  | 0.00 |                  | -0.05 | 0.00 |
| <b>4QUEC3</b>                    | <b>8.03</b>                         | -0.01 | 0.14 | <b>6.22</b> | 0.63  | 0.25 | <b>7.91</b> | -0.12 | 0.29 | <b>5.82</b> | 0.69  | 0.18 | <b>6.48</b>      | 1.19  | 0.38 |
|                                  |                                     | 0.00  | 0.02 |             | 0.11  | 0.02 |             | -0.04 | 0.02 |             | 0.21  | 0.02 |                  | 0.20  | 0.03 |
| <b>M938NJ</b>                    | <b>8.10</b>                         | 0.20  | 0.11 | <b>6.23</b> | 0.65  | 0.22 | <b>7.94</b> | -0.02 | 0.34 | <b>5.68</b> | 0.26  | 0.39 | <b>6.42</b>      | 0.85  | 0.76 |
|                                  |                                     | 0.07  | 0.02 |             | 0.12  | 0.02 |             | -0.01 | 0.03 |             | 0.08  | 0.03 |                  | 0.14  | 0.05 |
| <b>Z4BZ87</b>                    | <b>8.22</b>                         | 0.54  | 0.61 | <b>5.99</b> | -0.65 | 0.12 | <b>8.12</b> | 0.51  | 0.51 | <b>5.52</b> | -0.28 | 0.49 | <b>6.33</b>      | 0.30  | 0.17 |
|                                  |                                     | 0.19  | 0.09 |             | -0.12 | 0.01 |             | 0.17  | 0.04 |             | -0.09 | 0.04 |                  | 0.05  | 0.01 |
| <b>6K3QU3</b>                    | <b>7.37</b>                         | -1.90 | 0.33 | <b>6.29</b> | 0.98  | 0.53 | <b>7.24</b> | -2.10 | 0.56 | <b>6.23</b> | 2.03  | 0.46 | <b>6.23</b>      | -0.30 | 0.86 |
|                                  |                                     | -0.66 | 0.05 |             | 0.18  | 0.05 |             | -0.71 | 0.04 |             | 0.63  | 0.04 |                  | -0.05 | 0.06 |
| <b>ACVHGX</b>                    | <b>8.22</b>                         | 0.53  | 0.08 | <b>5.95</b> | -0.91 | 0.22 | <b>8.13</b> | 0.54  | 0.22 | <b>5.45</b> | -0.51 | 0.07 | <b>6.23</b>      | -0.28 | 0.26 |
|                                  |                                     | 0.18  | 0.01 |             | -0.16 | 0.02 |             | 0.18  | 0.02 |             | -0.16 | 0.01 |                  | -0.05 | 0.02 |
| <b>6UNU32</b>                    | <b>7.33</b>                         | -2.02 |      | <b>6.11</b> | 0.00  |      | <b>7.26</b> | -2.04 |      | <b>5.84</b> | 0.76  |      | <b>6.13</b>      | -0.87 |      |
|                                  |                                     | -0.70 | 0.00 |             | 0.00  | 0.00 |             | -0.69 | 0.00 |             | 0.24  | 0.00 |                  | -0.15 | 0.00 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>GPT3XM</b>            | <b>7.60</b>        | -1.24   | 0.18    | <b>5.89</b>        | -1.24   | 0.16    | <b>7.63</b>        | -0.93   | 0.07    | <b>5.52</b>        | -0.27   | 0.00    | <b>6.20</b>        | -0.45   | 0.15    |
|                          |                    | -0.43   | 0.03    |                    | -0.22   | 0.02    |                    | -0.31   | 0.01    |                    | -0.08   | 0.00    |                    | -0.08   | 0.01    |
| <b>Grand Median</b>      |                    | 8.03    |         |                    | 6.11    |         |                    | 7.95    |         |                    | 5.60    |         |                    | 6.28    |         |
| <b>Median Abs Dev</b>    |                    | 0.18    |         |                    | 0.11    |         |                    | 0.13    |         |                    | 0.20    |         |                    | 0.05    |         |
| <b>Avg Within Lab SD</b> |                    | 0.14    |         |                    | 0.09    |         |                    | 0.08    |         |                    | 0.08    |         |                    | 0.07    |         |
| <b>Labs Included</b>     |                    | 21      |         |                    | 21      |         |                    | 21      |         |                    | 21      |         |                    | 21      |         |
| <b>Labs Reporting</b>    |                    | 21      |         |                    | 21      |         |                    | 21      |         |                    | 21      |         |                    | 21      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| pH (1:1) 0.01M CaCl <sub>2</sub> (SubTestCode 118) | in the Soil pH & EC Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: Unit |
|--|-------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|
|  | SRSSRS1606                          |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                  |
| <b>BYXYDC</b>                                      | <b>7.53</b>                         | 0.23  | 0.25 | <b>5.76</b> | 1.29  | 0.56 | <b>7.73</b> | -0.78 | 0.33 | <b>5.14</b> | 0.74  | 0.33 | <b>5.88</b> | -0.07 | 1.01 |                  |
|  |                                     | 0.03  | 0.01 |             | 0.17  | 0.05 |             | -0.11 | 0.02 |             | 0.15  | 0.04 |             | -0.01 | 0.03 |                  |
| <b>ETFYA8</b>                                      | <b>7.61</b>                         | 0.74  | 0.70 | <b>5.61</b> | 0.13  | 0.17 | <b>8.06</b> | 1.64  | 0.50 | <b>5.02</b> | 0.15  | 0.28 | <b>5.89</b> | 0.00  | 0.65 |                  |
|  |                                     | 0.11  | 0.03 |             | 0.02  | 0.02 |             | 0.22  | 0.02 |             | 0.03  | 0.03 |             | 0.00  | 0.02 |                  |
| <b>QHLKDT</b>                                      | <b>7.39</b>                         | -0.79 | 0.13 | <b>5.49</b> | -0.80 | 0.13 | <b>7.76</b> | -0.56 | 0.54 | <b>4.99</b> | -0.03 | 0.28 | <b>5.78</b> | -0.82 | 0.36 |                  |
|  |                                     | -0.11 | 0.01 |             | -0.10 | 0.01 |             | -0.08 | 0.03 |             | -0.01 | 0.03 |             | -0.12 | 0.01 |                  |
| <b>NM37AU</b>                                      | <b>7.49</b>                         | -0.07 | 0.38 | <b>5.50</b> | -0.72 | 0.13 | <b>7.91</b> | 0.56  | 0.57 | <b>5.08</b> | 0.45  | 1.20 | <b>5.83</b> | -0.47 | 0.79 |                  |
|  |                                     | -0.01 | 0.02 |             | -0.09 | 0.01 |             | 0.08  | 0.03 |             | 0.09  | 0.14 |             | -0.07 | 0.03 |                  |
| <b>JMZPA2</b>                                      | <b>7.59</b>                         | 0.65  | 0.13 | <b>5.57</b> | -0.23 | 0.07 | <b>7.80</b> | -0.24 | 0.21 | <b>4.95</b> | -0.20 | 0.05 | <b>5.92</b> | 0.19  | 0.00 |                  |
|  |                                     | 0.09  | 0.01 |             | -0.03 | 0.01 |             | -0.03 | 0.01 |             | -0.04 | 0.01 |             | 0.03  | 0.00 |                  |
| <b>YM93AG</b>                                      | <b>7.48</b>                         | -0.14 | 0.00 | <b>5.53</b> | -0.54 | 0.43 | <b>7.91</b> | 0.54  | 0.12 | <b>4.93</b> | -0.33 | 0.05 | <b>5.95</b> | 0.40  | 0.31 |                  |
|  |                                     | -0.02 | 0.00 |             | -0.07 | 0.04 |             | 0.07  | 0.01 |             | -0.07 | 0.01 |             | 0.06  | 0.01 |                  |
| <b>QP24XR</b>                                      | <b>7.20</b>                         | -2.07 | 1.32 | <b>5.63</b> | 0.23  | 0.74 | <b>7.66</b> | -1.30 | 1.38 | <b>5.52</b> | 2.62  | 0.79 | <b>5.86</b> | -0.21 | 0.79 |                  |
|  |                                     | -0.30 | 0.06 |             | 0.03  | 0.06 |             | -0.18 | 0.06 |             | 0.53  | 0.09 |             | -0.03 | 0.03 |                  |
| <b>JDB3EY</b>                                      | <b>7.56</b>                         | 0.44  | 0.13 | <b>5.62</b> | 0.18  | 0.00 | <b>7.89</b> | 0.42  | 0.00 | <b>5.02</b> | 0.15  | 0.05 | <b>5.96</b> | 0.45  | 0.18 |                  |
|  |                                     | 0.06  | 0.01 |             | 0.02  | 0.00 |             | 0.06  | 0.00 |             | 0.03  | 0.01 |             | 0.06  | 0.01 |                  |
| <b>N7UE8P</b>                                      | <b>7.55</b>                         | 0.32  | 0.63 | <b>5.60</b> | 0.00  | 0.37 | <b>7.92</b> | 0.66  | 0.97 | <b>4.99</b> | 0.00  | 0.33 | <b>5.84</b> | -0.35 | 0.48 |                  |
|  |                                     | 0.05  | 0.03 |             | 0.00  | 0.03 |             | 0.09  | 0.05 |             | 0.00  | 0.04 |             | -0.05 | 0.02 |                  |
| <b>KJBZ3T</b>                                      | <b>7.33</b>                         | -1.21 | 0.13 | <b>5.36</b> | -1.80 | 0.07 | <b>7.79</b> | -0.34 | 0.33 | <b>4.85</b> | -0.69 | 0.66 | <b>5.66</b> | -1.62 | 0.18 |                  |
|  |                                     | -0.17 | 0.01 |             | -0.23 | 0.01 |             | -0.05 | 0.02 |             | -0.14 | 0.08 |             | -0.23 | 0.01 |                  |
| <b>E8KYJY</b>                                      | <b>7.56</b>                         | 0.42  | 0.58 | <b>5.59</b> | -0.03 | 0.17 | <b>7.99</b> | 1.15  | 0.37 | <b>4.98</b> | -0.07 | 0.15 | <b>5.93</b> | 0.23  | 0.79 |                  |
|  |                                     | 0.06  | 0.03 |             | 0.00  | 0.02 |             | 0.16  | 0.02 |             | -0.01 | 0.02 |             | 0.03  | 0.03 |                  |
| <b>XD4VUG</b>                                      | <b>7.41</b>                         | -0.65 | 3.04 | <b>5.85</b> | 1.98  | 2.68 | <b>7.90</b> | 0.51  | 3.28 | <b>5.63</b> | 3.17  | 0.95 | <b>6.01</b> | 0.80  | 1.78 |                  |
|  |                                     | -0.09 | 0.14 |             | 0.26  | 0.23 |             | 0.07  | 0.15 |             | 0.64  | 0.11 |             | 0.11  | 0.06 |                  |
| <b>Q2DTBN</b>                                      | <b>7.47</b>                         | -0.19 | 0.51 | <b>5.75</b> | 1.21  | 0.07 | <b>7.69</b> | -1.03 | 0.12 | <b>5.06</b> | 0.35  | 0.13 | <b>5.97</b> | 0.52  | 0.65 |                  |
|  |                                     | -0.03 | 0.02 |             | 0.16  | 0.01 |             | -0.14 | 0.01 |             | 0.07  | 0.02 |             | 0.07  | 0.02 |                  |
| <b>GC6ZFU</b>                                      | <b>7.55</b>                         | 0.35  | 0.22 | <b>5.64</b> | 0.33  | 0.41 | <b>7.78</b> | -0.39 | 0.57 | <b>4.91</b> | -0.40 | 0.13 | <b>6.38</b> | 3.43  | 0.63 |                  |
|  |                                     | 0.05  | 0.01 |             | 0.04  | 0.04 |             | -0.05 | 0.03 |             | -0.08 | 0.02 |             | 0.49  | 0.02 |                  |
| <b>9WKG82</b>                                      | <b>7.53</b>                         | 0.23  | 1.27 | <b>5.73</b> | 1.05  | 2.64 | <b>8.00</b> | 1.22  |      | <b>5.23</b> | 1.19  | 3.55 | <b>5.90</b> | 0.05  | 0.00 |                  |
|  |                                     | 0.03  | 0.06 |             | 0.14  | 0.23 |             | 0.17  | 0.00 |             | 0.24  | 0.40 |             | 0.01  | 0.00 |                  |
| <b>EDQREV</b>                                      | <b>7.07</b>                         | -2.97 | 1.62 | <b>5.50</b> | -0.72 | 0.97 | <b>7.82</b> | -0.12 | 0.54 | <b>4.86</b> | -0.64 | 0.54 | <b>5.66</b> | -1.67 | 2.43 |                  |
|  |                                     | -0.43 | 0.07 |             | -0.09 | 0.09 |             | -0.02 | 0.03 |             | -0.13 | 0.06 |             | -0.24 | 0.08 |                  |
| <b>HX3QCL</b>                                      | <b>7.50</b>                         | 0.00  |      | <b>5.57</b> | -0.23 | 0.66 | <b>7.83</b> | 0.00  | 1.24 | <b>4.93</b> | -0.30 | 0.51 | <b>5.87</b> | -0.19 | 1.81 |                  |
|  |                                     | 0.00  | 0.00 |             | -0.03 | 0.06 |             | 0.00  | 0.06 |             | -0.06 | 0.06 |             | -0.03 | 0.06 |                  |
| <b>Grand Median</b>                                |                                     | 7.50  |      |             | 5.60  |      |             | 7.83  |      |             | 4.99  |      |             | 5.89  |      |                  |
| <b>Median Abs Dev</b>                              |                                     | 0.06  |      |             | 0.07  |      |             | 0.08  |      |             | 0.07  |      |             | 0.06  |      |                  |
| <b>Avg Within Lab SD</b>                           |                                     | 0.05  |      |             | 0.09  |      |             | 0.05  |      |             | 0.11  |      |             | 0.03  |      |                  |
| <b>Labs Included</b>                               |                                     | 17    |      |             | 17    |      |             | 17    |      |             | 17    |      |             | 17    |      |                  |
| <b>Labs Reporting</b>                              |                                     | 17    |      |             | 17    |      |             | 17    |      |             | 17    |      |             | 17    |      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| pH (1:2) 0.01M CaCl2 (SubTestCode 119) | in the Soil pH & EC Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: Unit |
|--|-------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|
|  | SRSSRS1606                          |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                  |
| <b>QHLKDT</b>                          | <b>7.42</b>                         | -0.02 | 0.81 | <b>5.53</b> | -0.54 | 0.31 | <b>7.85</b> | -0.03 | 0.39 | <b>4.95</b> | -0.13 | 0.69 | <b>5.78</b> | -1.14 | 0.81 |                  |
|  |                                     | 0.00  | 0.03 |             | -0.06 | 0.02 |             | -0.01 | 0.02 |             | -0.03 | 0.04 |             | -0.12 | 0.03 |                  |
| <b>QP24XR</b>                          | <b>7.37</b>                         | -0.26 | 1.74 | <b>5.79</b> | 1.89  | 1.73 | <b>7.73</b> | -0.57 | 1.98 | <b>5.30</b> | 1.42  | 1.64 | <b>5.94</b> | 0.42  | 1.78 |                  |
|  |                                     | -0.05 | 0.07 |             | 0.20  | 0.09 |             | -0.13 | 0.09 |             | 0.33  | 0.08 |             | 0.04  | 0.06 |                  |
| <b>Z9HQBC</b>                          | <b>7.08</b>                         | -1.75 | 0.66 | <b>5.64</b> | 0.48  | 0.73 | <b>7.24</b> | -2.75 | 1.86 | <b>4.81</b> | -0.74 | 0.75 | <b>5.92</b> | 0.23  | 0.49 |                  |
|  |                                     | -0.34 | 0.03 |             | 0.05  | 0.04 |             | -0.62 | 0.08 |             | -0.17 | 0.04 |             | 0.02  | 0.02 |                  |
| <b>BX698W</b>                          | <b>7.59</b>                         | 0.87  | 0.50 | <b>5.57</b> | -0.19 | 0.54 | <b>8.01</b> | 0.68  | 0.60 | <b>4.93</b> | -0.22 | 0.23 | <b>5.86</b> | -0.36 | 0.37 |                  |
|  |                                     | 0.17  | 0.02 |             | -0.02 | 0.03 |             | 0.15  | 0.03 |             | -0.05 | 0.01 |             | -0.04 | 0.01 |                  |
| <b>EDQREV</b>                          | <b>7.17</b>                         | -1.30 | 1.95 | <b>5.56</b> | -0.26 | 1.84 | <b>7.86</b> | 0.00  | 0.73 | <b>4.60</b> | -1.64 | 1.94 | <b>5.70</b> | -1.98 | 0.81 |                  |
|  |                                     | -0.25 | 0.08 |             | -0.03 | 0.09 |             | 0.00  | 0.03 |             | -0.38 | 0.10 |             | -0.20 | 0.03 |                  |
| <b>XXB2JC</b>                          | <b>7.56</b>                         | 0.70  | 0.14 | <b>5.67</b> | 0.73  | 0.12 | <b>7.96</b> | 0.48  | 0.13 | <b>5.08</b> | 0.45  | 0.20 | <b>5.96</b> | 0.62  | 0.19 |                  |
|  |                                     | 0.14  | 0.01 |             | 0.08  | 0.01 |             | 0.11  | 0.01 |             | 0.10  | 0.01 |             | 0.06  | 0.01 |                  |
| <b>4QUEC3</b>                          | <b>7.42</b>                         | 0.00  | 0.25 | <b>5.77</b> | 1.76  | 0.12 | <b>7.82</b> | -0.16 | 0.23 | <b>5.22</b> | 1.07  | 0.30 | <b>5.99</b> | 0.84  | 0.49 |                  |
|  |                                     | 0.00  | 0.01 |             | 0.18  | 0.01 |             | -0.04 | 0.01 |             | 0.25  | 0.02 |             | 0.09  | 0.02 |                  |
| <b>Z4BZ87</b>                          | <b>7.57</b>                         | 0.75  | 0.88 | <b>5.59</b> | 0.00  | 0.54 | <b>8.03</b> | 0.76  | 0.69 | <b>4.98</b> | 0.00  | 0.23 | <b>5.85</b> | -0.49 | 1.96 |                  |
|  |                                     | 0.15  | 0.04 |             | 0.00  | 0.03 |             | 0.17  | 0.03 |             | 0.00  | 0.01 |             | -0.05 | 0.06 |                  |
| <b>EJR4AR</b>                          | <b>7.50</b>                         | 0.41  |      | <b>5.57</b> | -0.22 | 1.17 | <b>8.00</b> | 0.64  |      | <b>5.07</b> | 0.39  | 1.14 | <b>5.90</b> | 0.00  | 0.00 |                  |
|  |                                     | 0.08  | 0.00 |             | -0.02 | 0.06 |             | 0.14  | 0.00 |             | 0.09  | 0.06 |             | 0.00  | 0.00 |                  |
| <b>Grand Median</b>                    |                                     | 7.42  |      | 5.59        |       |      | 7.86        |       |      | 4.98        |       |      | 5.90        |       |      |                  |
| <b>Median Abs Dev</b>                  |                                     | 0.14  |      | 0.05        |       |      | 0.13        |       |      | 0.10        |       |      | 0.05        |       |      |                  |
| <b>Avg Within Lab SD</b>               |                                     | 0.04  |      | 0.05        |       |      | 0.04        |       |      | 0.05        |       |      | 0.03        |       |      |                  |
| <b>Labs Included</b>                   |                                     | 9     |      | 9           |       |      | 9           |       |      | 9           |       |      | 9           |       |      |                  |
| <b>Labs Reporting</b>                  |                                     | 9     |      | 9           |       |      | 9           |       |      | 9           |       |      | 9           |       |      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil EC (1:5) H2O (SubTestCode 120) | in the Soil pH & EC Property Groups |            |             |            |             |      |             |      | Data units: dS/m |      |
|-------------------------------------|-------------------------------------|------------|-------------|------------|-------------|------|-------------|------|------------------|------|
|                                     | SRSSRS1606                          | SRSSRS1607 | SRSSRS1608  | SRSSRS1609 | SRSSRS1610  |      |             |      |                  |      |
| <b>2RDHVB</b>                       | <b>0.16</b>                         | 1.03       | <b>0.16</b> | 0.86       | <b>3.08</b> | 1.34 | <b>0.15</b> | 1.37 | <b>0.14</b>      | 0.45 |
|                                     |                                     | 0.00       |             | 0.00       |             | 0.05 |             | 0.00 |                  | 0.00 |
|                                     |                                     | 0.97       |             | 1.12       |             | 0.45 |             | 0.35 |                  | 1.34 |
| <b>F4VC3W</b>                       | <b>0.18</b>                         | 0.00       | <b>0.16</b> | 0.00       | <b>3.47</b> | 0.02 | <b>0.11</b> | 0.00 | <b>0.13</b>      | 0.01 |
| <b>Grand Median</b>                 | 0.17                                |            | 0.16        |            | 3.28        |      | 0.13        |      | 0.13             |      |
| <b>Median Abs Dev</b>               |                                     |            |             |            |             |      |             |      |                  |      |
| <b>Avg Within Lab SD</b>            | 0.00                                |            | 0.00        |            | 0.03        |      | 0.00        |      | 0.00             |      |
| <b>Labs Included</b>                | 2                                   |            | 2           |            | 2           |      | 2           |      | 2                |      |
| <b>Labs Reporting</b>               | 2                                   |            | 2           |            | 2           |      | 2           |      | 2                |      |





## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SMP Buffer pH (SubTestCode 122) | in the Buffer pH, Lime Requirement Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: Unit |       |      |
|---------------------------------|--|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|-------|------|
|                                 | SRSSRS1606   |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610       |       |      |
| <b>9G9ZXE</b>                   | <b>7.56</b>  | 0.34  | 0.29 | <b>6.89</b> | 0.83  | 0.37 | <b>7.63</b> | 0.00  | 0.47 | <b>6.90</b> | 1.14  | 0.92 | <b>7.22</b>      | 0.53  | 0.52 |
|                                 |  | 0.03  | 0.01 |             | 0.12  | 0.02 |             | 0.00  | 0.01 |             | 0.18  | 0.03 |                  | 0.05  | 0.01 |
| <b>ETFYA8</b>                   | <b>7.54</b>  | 0.00  | 1.75 | <b>6.71</b> | -0.42 | 0.64 | <b>7.72</b> | 0.97  | 1.48 | <b>6.52</b> | -1.22 | 1.22 | <b>7.04</b>      | -1.58 | 1.86 |
|                                 |  | 0.00  | 0.04 |             | -0.06 | 0.04 |             | 0.09  | 0.04 |             | -0.19 | 0.04 |                  | -0.14 | 0.04 |
| <b>QHLKDT</b>                   | <b>7.48</b>  | -0.77 | 0.29 | <b>6.76</b> | -0.06 | 0.24 | <b>7.57</b> | -0.67 | 0.24 | <b>6.72</b> | 0.02  | 0.30 | <b>7.15</b>      | -0.33 | 0.45 |
|                                 |  | -0.06 | 0.01 |             | -0.01 | 0.02 |             | -0.06 | 0.01 |             | 0.00  | 0.01 |                  | -0.03 | 0.01 |
| <b>WP3AEN</b>                   | <b>7.56</b>  | 0.30  | 2.28 | <b>6.70</b> | -0.49 | 0.73 | <b>7.60</b> | -0.34 | 1.32 | <b>6.71</b> | -0.02 | 0.76 | <b>7.10</b>      | -0.91 | 2.24 |
|                                 |  | 0.02  | 0.05 |             | -0.07 | 0.05 |             | -0.03 | 0.03 |             | 0.00  | 0.03 |                  | -0.08 | 0.05 |
| <b>YM93AG</b>                   | <b>7.55</b>  | 0.17  | 0.00 | <b>6.89</b> | 0.80  | 0.00 | <b>7.66</b> | 0.34  | 0.24 | <b>6.95</b> | 1.45  | 0.17 | <b>7.21</b>      | 0.41  | 0.26 |
|                                 |  | 0.01  | 0.00 |             | 0.12  | 0.00 |             | 0.03  | 0.01 |             | 0.23  | 0.01 |                  | 0.04  | 0.01 |
| <b>JDB3EY</b>                   | <b>7.65</b>  | 1.49  | 0.29 | <b>7.05</b> | 1.91  | 0.09 | <b>7.72</b> | 1.01  | 0.24 | <b>6.70</b> | -0.08 | 0.17 | <b>7.19</b>      | 0.14  | 0.45 |
|                                 |  | 0.12  | 0.01 |             | 0.28  | 0.01 |             | 0.09  | 0.01 |             | -0.01 | 0.01 |                  | 0.01  | 0.01 |
| <b>ZNYNFD</b>                   | <b>7.50</b>  | -0.47 | 0.50 | <b>6.96</b> | 1.28  | 0.42 | <b>7.52</b> | -1.23 | 0.24 | <b>7.00</b> | 1.77  | 1.76 | <b>7.23</b>      | 0.56  | 0.26 |
|                                 |  | -0.04 | 0.01 |             | 0.19  | 0.03 |             | -0.11 | 0.01 |             | 0.28  | 0.06 |                  | 0.05  | 0.01 |
| <b>E8KYJY</b>                   | <b>7.56</b>  | 0.26  | 1.04 | <b>6.93</b> | 1.07  | 0.89 | <b>7.66</b> | 0.30  | 0.71 | <b>6.80</b> | 0.53  | 0.90 | <b>7.29</b>      | 1.30  | 1.18 |
|                                 |  | 0.02  | 0.02 |             | 0.16  | 0.06 |             | 0.03  | 0.02 |             | 0.08  | 0.03 |                  | 0.11  | 0.03 |
| <b>BX698W</b>                   | <b>7.50</b>  | -0.43 | 0.29 | <b>6.78</b> | 0.03  | 0.09 | <b>7.63</b> | 0.00  | 0.24 | <b>6.71</b> | -0.04 | 0.00 | <b>7.17</b>      | -0.10 | 0.00 |
|                                 |  | -0.03 | 0.01 |             | 0.01  | 0.01 |             | 0.00  | 0.01 |             | -0.01 | 0.00 |                  | -0.01 | 0.00 |
| <b>Y26GAB</b>                   | <b>7.42</b>  | -1.45 | 1.04 | <b>6.77</b> | -0.03 | 0.72 | <b>7.57</b> | -0.71 | 0.71 | <b>6.52</b> | -1.24 | 1.20 | <b>7.07</b>      | -1.23 | 1.03 |
|                                 |  | -0.11 | 0.02 |             | -0.01 | 0.05 |             | -0.06 | 0.02 |             | -0.20 | 0.04 |                  | -0.11 | 0.02 |
| <b>EJR4AR</b>                   | <b>7.40</b>  | -1.75 | 0.00 | <b>6.70</b> | -0.49 | 0.00 | <b>7.47</b> | -1.86 | 2.36 | <b>6.67</b> | -0.32 | 1.74 | <b>7.10</b>      | -0.91 | 0.00 |
|                                 |  | -0.14 | 0.00 |             | -0.07 | 0.00 |             | -0.17 | 0.06 |             | -0.05 | 0.06 |                  | -0.08 | 0.00 |
| <b>N6HFCF</b>                   |  |       |      | <b>6.67</b> | -0.69 | 3.06 |             |       |      | <b>6.76</b> | 0.25  | 0.76 | <b>7.19</b>      | 0.10  | 0.52 |
|                                 |  |       |      |             | -0.10 | 0.19 |             |       |      |             | 0.04  | 0.03 |                  | 0.01  | 0.01 |
| <b>Grand Median</b>             |  | 7.54  |      | 6.77        |       |      | 7.63        |       |      | 6.72        |       |      | 7.18             |       |      |
| <b>Median Abs Dev</b>           |  | 0.03  |      | 0.09        |       |      | 0.06        |       |      | 0.07        |       |      | 0.05             |       |      |
| <b>Avg Within Lab SD</b>        |  | 0.02  |      | 0.06        |       |      | 0.02        |       |      | 0.03        |       |      | 0.02             |       |      |
| <b>Labs Included</b>            |  | 11    |      | 12          |       |      | 11          |       |      | 12          |       |      | 12               |       |      |
| <b>Labs Reporting</b>           |  | 11    |      | 12          |       |      | 11          |       |      | 12          |       |      | 12               |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Sikora Buffer pH (SubTestCode 123)                 |            |       |      |            |       |      |            |       |      |            |       |      |            |       |      |
|--|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|
| in the Buffer pH, Lime Requirement Property Groups |            |       |      |            |       |      |            |       |      |            |       |      |            |       |      |
| Data units: Unit                                   |            |       |      |            |       |      |            |       |      |            |       |      |            |       |      |
|  | SRSSRS1606 |       |      | SRSSRS1607 |       |      | SRSSRS1608 |       |      | SRSSRS1609 |       |      | SRSSRS1610 |       |      |
| P2ZHYY   | 7.45       | -0.24 | 1.30 | 7.10       | 0.98  | 0.00 | 7.50       | -0.41 |      | 6.97       | 0.76  | 1.08 | 7.20       | -0.26 | 0.00 |
|  |            | -0.03 | 0.05 |            | 0.14  | 0.00 |            | -0.05 | 0.00 |            | 0.14  | 0.06 |            | -0.03 | 0.00 |
| UJH8JT   | 7.47       | -0.11 | 1.50 | 6.80       | -1.15 | 0.00 | 7.60       | 0.41  | 0.00 | 6.57       | -1.38 | 1.08 | 7.10       | -1.08 | 0.00 |
|  |            | -0.01 | 0.06 |            | -0.16 | 0.00 |            | 0.05  | 0.00 |            | -0.26 | 0.06 |            | -0.13 | 0.00 |
| NM37AU   | 7.44       | -0.29 | 0.15 | 6.94       | -0.18 | 0.14 | 7.55       | -0.03 | 0.22 | 6.71       | -0.60 | 0.11 | 7.22       | -0.12 | 0.64 |
|  |            | -0.04 | 0.01 |            | -0.03 | 0.01 |            | 0.00  | 0.01 |            | -0.11 | 0.01 |            | -0.02 | 0.02 |
| LU92FX   | 7.54       | 0.48  | 1.63 | 6.86       | -0.72 | 0.73 | 7.58       | 0.22  | 1.12 | 6.83       | 0.03  | 1.31 | 7.30       | 0.53  | 0.24 |
|  |            | 0.06  | 0.06 |            | -0.10 | 0.03 |            | 0.03  | 0.03 |            | 0.01  | 0.07 |            | 0.07  | 0.01 |
| 9JB2YB   | 7.25       | -1.84 | 0.94 | 6.93       | -0.20 | 0.28 | 7.32       | -1.90 | 1.39 | 6.87       | 0.22  | 0.54 | 7.16       | -0.61 | 0.24 |
|  |            | -0.23 | 0.04 |            | -0.03 | 0.01 |            | -0.23 | 0.04 |            | 0.04  | 0.03 |            | -0.08 | 0.01 |
| PD8M9Q   | 7.58       | 0.83  | 0.40 | 7.31       | 2.45  | 1.40 | 7.56       | 0.11  | 1.36 | 7.09       | 1.40  | 2.68 | 7.44       | 1.73  | 2.30 |
|  |            | 0.10  | 0.02 |            | 0.35  | 0.06 |            | 0.01  | 0.04 |            | 0.26  | 0.14 |            | 0.21  | 0.06 |
| 4XUXCD   | 7.40       | -0.64 | 0.00 | 6.67       | -2.10 | 1.40 | 7.43       | -0.96 | 1.12 | 6.50       | -1.74 |      | 7.02       | -1.76 | 1.20 |
|  |            | -0.08 | 0.00 |            | -0.30 | 0.06 |            | -0.12 | 0.03 |            | -0.33 | 0.00 |            | -0.22 | 0.03 |
| KJBZ3T   | 7.49       | 0.11  | 0.15 | 7.00       | 0.27  | 0.24 | 7.57       | 0.16  | 0.00 | 6.96       | 0.72  | 0.32 | 7.33       | 0.78  | 0.24 |
|  |            | 0.01  | 0.01 |            | 0.04  | 0.01 |            | 0.02  | 0.00 |            | 0.14  | 0.02 |            | 0.10  | 0.01 |
| VMZPEH   | 7.52       | 0.29  | 0.54 | 6.98       | 0.11  | 0.78 | 7.63       | 0.63  | 1.12 | 6.75       | -0.42 | 0.57 | 7.18       | -0.39 | 0.48 |
|  |            | 0.04  | 0.02 |            | 0.02  | 0.03 |            | 0.08  | 0.03 |            | -0.08 | 0.03 |            | -0.05 | 0.01 |
| E8KYJY   | 7.47       | -0.11 | 0.40 | 6.93       | -0.20 | 0.74 | 7.56       | 0.11  | 0.45 | 6.80       | -0.13 | 1.31 | 7.25       | 0.18  | 0.87 |
|  |            | -0.01 | 0.02 |            | -0.03 | 0.03 |            | 0.01  | 0.01 |            | -0.03 | 0.07 |            | 0.02  | 0.02 |
| T67A2M   | 7.41       | -0.53 | 0.40 | 6.96       | -0.04 | 0.74 | 7.50       | -0.44 | 0.80 | 6.82       | -0.03 | 1.63 | 7.25       | 0.12  | 1.20 |
|  |            | -0.07 | 0.02 |            | -0.01 | 0.03 |            | -0.05 | 0.02 |            | -0.01 | 0.09 |            | 0.02  | 0.03 |
| 9GTK67   | 7.50       | 0.13  | 0.40 | 6.98       | 0.11  | 0.92 | 7.52       | -0.22 | 0.22 | 6.89       | 0.33  | 0.78 | 7.29       | 0.45  | 0.96 |
|  |            | 0.02  | 0.02 |            | 0.02  | 0.04 |            | -0.03 | 0.01 |            | 0.06  | 0.04 |            | 0.06  | 0.02 |
| Q2DTBN   | 7.50       | 0.13  | 0.15 | 6.98       | 0.15  | 0.37 | 7.55       | 0.03  | 0.22 | 6.77       | -0.28 | 0.29 | 7.22       | -0.12 | 0.24 |
|  |            | 0.02  | 0.01 |            | 0.02  | 0.02 |            | 0.00  | 0.01 |            | -0.05 | 0.02 |            | -0.02 | 0.01 |
| 6J7BH6   | 7.41       | -0.56 | 0.00 | 6.85       | -0.77 | 0.14 | 7.54       | -0.05 | 0.22 | 6.52       | -1.63 | 0.32 | 7.10       | -1.10 | 0.48 |
|  |            | -0.07 | 0.00 |            | -0.11 | 0.01 |            | -0.01 | 0.01 |            | -0.31 | 0.02 |            | -0.14 | 0.01 |
| ZT92XC   | 7.57       | 0.69  | 0.15 | 6.94       | -0.15 | 0.24 | 7.66       | 0.91  | 0.39 | 6.84       | 0.10  | 0.39 | 7.34       | 0.91  | 0.24 |
|  |            | 0.09  | 0.01 |            | -0.02 | 0.01 |            | 0.11  | 0.01 |            | 0.02  | 0.02 |            | 0.11  | 0.01 |
| V3RMFD   | 7.46       | -0.15 | 2.06 | 7.08       | 0.84  | 2.60 | 7.54       | -0.07 | 2.76 | 7.00       | 0.96  | 0.13 | 7.19       | -0.32 | 0.67 |
|  |            | -0.02 | 0.08 |            | 0.12  | 0.11 |            | -0.01 | 0.07 |            | 0.18  | 0.01 |            | -0.04 | 0.02 |
| PZ7RCJ   | 7.49       | 0.11  | 0.15 | 6.93       | -0.20 | 0.14 | 7.56       | 0.08  | 0.00 | 6.82       | -0.04 | 0.11 | 7.27       | 0.34  | 0.24 |
|  |            | 0.01  | 0.01 |            | -0.03 | 0.01 |            | 0.01  | 0.00 |            | -0.01 | 0.01 |            | 0.04  | 0.01 |
| 7KWVN2   | 7.50       | 0.13  | 1.20 | 7.26       | 2.12  | 1.92 | 7.55       | -0.03 | 1.56 | 7.16       | 1.79  | 1.04 | 7.44       | 1.73  | 1.69 |
|  |            | 0.02  | 0.05 |            | 0.30  | 0.08 |            | 0.00  | 0.04 |            | 0.34  | 0.06 |            | 0.21  | 0.04 |
| K4H7TN   | 7.47       | -0.11 | 1.50 | 6.97       | 0.04  | 1.40 | 7.50       | -0.41 |      | 6.77       | -0.31 | 1.08 | 7.20       | -0.26 | 0.00 |
|  |            | -0.01 | 0.06 |            | 0.01  | 0.06 |            | -0.05 | 0.00 |            | -0.06 | 0.06 |            | -0.03 | 0.00 |
| HU3FFL   | 8.23       | 5.99  | 1.88 | 7.06       | 0.70  | 0.48 | 8.31       | 6.30  | 0.45 | 6.94       | 0.63  | 0.66 | 7.32       | 0.69  | 2.37 |
|  |            | 0.75  | 0.07 |            | 0.10  | 0.02 |            | 0.76  | 0.01 |            | 0.12  | 0.04 |            | 0.09  | 0.06 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 7.48    |         |                    | 6.96    |         |                    | 7.55    |         |                    | 6.83    |         |                    | 7.23    |         |
| <b>Median Abs Dev</b>    |                    | 0.03    |         |                    | 0.03    |         |                    | 0.03    |         |                    | 0.10    |         |                    | 0.06    |         |
| <b>Avg Within Lab SD</b> |                    | 0.04    |         |                    | 0.04    |         |                    | 0.03    |         |                    | 0.05    |         |                    | 0.02    |         |
| <b>Labs Included</b>     |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |
| <b>Labs Reporting</b>    |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |                    | 20      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Adams-Evans Buffer pH (SubTestCode 124) | in the Buffer pH, Lime Requirement Property Groups |             |             |      |             |      |             |      |             |      | Data units: Unit |
|---|--|-------------|-------------|------|-------------|------|-------------|------|-------------|------|------------------|
| SRSSRS1606                              | SRSSRS1607   |             | SRSSRS1608  |      | SRSSRS1609  |      | SRSSRS1610  |      |             |      |                  |
| <b>2V9A2L</b>                           |  | <b>7.53</b> | 0.00        |      | <b>7.52</b> | 0.00 | <b>7.78</b> | 0.00 |             | 0.00 |                  |
| <b>YM93AG</b>                           | <b>7.77</b>  | 0.69        | <b>7.51</b> | 0.00 | <b>7.74</b> | 0.27 | <b>7.58</b> | 0.00 | <b>7.78</b> | 1.60 |                  |
|   |  | 0.01        | 0.00        |      | 0.01        | 0.00 |             | 0.02 |             | 0.02 |                  |
| <b>9P39J6</b>                           | <b>7.72</b>  | 1.19        | <b>7.57</b> | 1.41 | <b>7.67</b> | 0.98 | <b>7.54</b> | 1.65 | <b>7.73</b> | 0.00 |                  |
|   |  | 0.02        | 0.01        |      | 0.02        | 0.00 |             | 0.03 |             | 0.00 |                  |
| <b>MFPVJN</b>                           | <b>7.77</b>  | 1.05        | <b>7.58</b> | 1.41 | <b>7.72</b> | 1.41 | <b>7.49</b> | 1.13 | <b>7.76</b> | 1.21 |                  |
|   |  | 0.02        | 0.01        |      | 0.03        | 0.00 |             | 0.02 |             | 0.01 |                  |
| <b>Grand Median</b>                     | 7.77   |             | 7.55        |      | 7.72        |      | 7.53        |      | 7.77        |      |                  |
| <b>Median Abs Dev</b>                   |  |             |             |      |             |      |             |      |             |      |                  |
| <b>Avg Within Lab SD</b>                | 0.01   |             | 0.01        |      | 0.02        |      | 0.02        |      | 0.01        |      |                  |
| <b>Labs Included</b>                    | 3  |             | 4           |      | 3           |      | 4           |      | 4           |      |                  |
| <b>Labs Reporting</b>                   | 3  |             | 4           |      | 3           |      | 4           |      | 4           |      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Woodruff Buffer pH (SubTestCode 125) | in the Buffer pH, Lime Requirement Property Groups |                        |                      |             |                         |                      |             |                         |                      |             |                         |                      | Data units: Unit |                         |                      |
|--------------------------------------|--|------------------------|----------------------|-------------|-------------------------|----------------------|-------------|-------------------------|----------------------|-------------|-------------------------|----------------------|------------------|-------------------------|----------------------|
|                                      | SRSSRS1606   | SRSSRS1607             | SRSSRS1608           | SRSSRS1609  | SRSSRS1610              |                      |             |                         |                      |             |                         |                      |                  |                         |                      |
| <b>ETFYA8</b>                        | <b>7.26</b>  | 1.94<br>0.17<br>0.01   | 0.69<br>0.01<br>0.01 | <b>6.70</b> | 0.00<br>0.00<br>0.01    | 0.19<br>0.01<br>0.19 | <b>7.36</b> | 2.25<br>0.17<br>0.01    | 0.42<br>0.01<br>0.21 | <b>6.65</b> | 0.87<br>0.09<br>0.04    | 1.19<br>0.04<br>0.39 | <b>6.87</b>      | 0.00<br>0.00<br>0.11    | 0.46<br>0.01<br>0.27 |
| <b>NM37AU</b>                        | <b>7.08</b>  | -0.11<br>-0.01<br>0.69 | 1.19<br>0.01<br>0.01 | <b>6.73</b> | 0.28<br>0.03<br>0.01    | 0.19<br>0.01<br>0.70 | <b>7.20</b> | 0.18<br>0.01<br>0.01    | 0.21<br>0.01<br>1.73 | <b>6.56</b> | 0.03<br>0.00<br>1.48    | 0.39<br>0.01<br>0.01 | <b>6.88</b>      | 0.01<br>0.43<br>0.97    | 0.01<br>0.01<br>0.01 |
| <b>JMZPA2</b>                        | <b>7.11</b>  | 0.19<br>0.02<br>0.01   | 0.69<br>0.01<br>0.69 | <b>6.72</b> | 0.19<br>0.02<br>0.02    | 0.70<br>0.02<br>0.19 | <b>7.16</b> | -0.36<br>-0.03<br>0.05  | 1.73<br>0.05<br>0.37 | <b>6.56</b> | 0.00<br>0.00<br>0.20    | 1.48<br>0.04<br>0.20 | <b>6.90</b>      | 0.03<br>0.03<br>-0.32   | 0.97<br>0.02<br>0.00 |
| <b>YM93AG</b>                        | <b>7.06</b>  | -0.30<br>-0.03<br>0.11 | 0.69<br>0.01<br>0.00 | <b>6.64</b> | -0.50<br>-0.05<br>-0.59 | 0.19<br>0.01<br>1.93 | <b>7.19</b> | 0.00<br>0.00<br>1.03    | 0.37<br>0.01<br>2.11 | <b>6.53</b> | -0.31<br>-0.03<br>-0.87 | 0.20<br>0.01<br>1.96 | <b>6.85</b>      | -0.02<br>-0.02<br>-0.59 | 0.00<br>0.00<br>2.68 |
| <b>HML4ZY</b>                        | <b>7.10</b>  | 0.01<br>-0.78<br>-0.07 | 0.00<br>0.00<br>0.00 | <b>6.63</b> | -0.06<br>1.72<br>0.18   | 0.06<br>0.00<br>0.00 | <b>7.27</b> | 0.08<br>-1.21<br>-0.09  | 0.06<br>0.00<br>0.00 | <b>6.47</b> | -0.09<br>0.19<br>0.02   | 0.06<br>0.00<br>0.00 | <b>6.83</b>      | -0.04<br>0.80<br>0.05   | 0.06<br>0.00<br>0.00 |
| <b>JDB3EY</b>                        | <b>7.02</b>  | -0.82<br>-0.07<br>1.81 | 0.00<br>0.00<br>1.81 | <b>6.88</b> | -0.13<br>0.18<br>-0.13  | 0.19<br>0.00<br>0.19 | <b>7.10</b> | -0.36<br>-0.09<br>-0.36 | 0.21<br>0.00<br>0.21 | <b>6.58</b> | 0.37<br>0.02<br>0.34    | 0.34<br>0.00<br>0.00 | <b>6.92</b>      | -0.05<br>0.05<br>0.00   | 0.27<br>0.00<br>0.00 |
| <b>KJBZ3T</b>                        | <b>7.02</b>  | -0.07<br>1.15<br>1.37  | 0.02<br>1.37<br>0.02 | <b>6.68</b> | -0.01<br>0.34<br>0.01   | 0.01<br>0.70<br>0.01 | <b>7.16</b> | -0.03<br>0.00<br>0.01   | 0.01<br>0.37<br>0.01 | <b>6.60</b> | 0.04<br>-0.28<br>0.68   | 0.01<br>0.68<br>0.02 | <b>6.87</b>      | 0.00<br>0.96<br>0.06    | 0.01<br>0.46<br>0.01 |
| <b>Q2DTBN</b>                        | <b>7.19</b>  | 0.10<br>0.01           | 0.01<br>0.01         | <b>6.73</b> | 0.04<br>-2.32<br>0.02   | 0.02<br>2.04<br>0.02 | <b>7.19</b> | 0.00<br>0.00<br>0.01    | 0.01<br>0.01<br>0.01 | <b>6.53</b> | -0.03<br>-3.16<br>0.90  | 0.02<br>0.90<br>0.02 | <b>6.93</b>      | 0.06<br>-2.82<br>0.54   | 0.01<br>0.54<br>0.01 |
| <b>N6HFCF</b>                        |  |                        |                      | <b>6.45</b> | -0.25<br>0.06           | 0.06                 |             |                         |                      | <b>6.22</b> | -0.34<br>0.03           | 0.03                 | <b>6.69</b>      | -0.18<br>0.01           | 0.01                 |
| <b>Grand Median</b>                  |  | 7.09                   |                      | 6.70        |                         |                      | 7.19        |                         |                      | 6.56        |                         |                      | 6.87             |                         |                      |
| <b>Median Abs Dev</b>                |  | 0.05                   |                      | 0.04        |                         |                      | 0.03        |                         |                      | 0.03        |                         |                      | 0.03             |                         |                      |
| <b>Avg Within Lab SD</b>             |  | 0.01                   |                      | 0.03        |                         |                      | 0.03        |                         |                      | 0.03        |                         |                      | 0.02             |                         |                      |
| <b>Labs Included</b>                 |  | 8                      |                      | 9           |                         |                      | 8           |                         |                      | 9           |                         |                      | 9                |                         |                      |
| <b>Labs Reporting</b>                |  | 8                      |                      | 9           |                         |                      | 8           |                         |                      | 9           |                         |                      | 9                |                         |                      |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich Buffer pH (SubTestCode 126) | in the Buffer pH, Lime Requirement Property Groups |      |             |      |             |      |             |      |             |      | Data units: Unit |
|-------------------------------------|--|------|-------------|------|-------------|------|-------------|------|-------------|------|------------------|
| SRSSRS1606                          | SRSSRS1607   |      | SRSSRS1608  |      | SRSSRS1609  |      | SRSSRS1610  |      |             |      |                  |
| <b>KJBZ3T</b>                       | <b>7.01</b>  | 0.26 | <b>6.60</b> | 0.17 | <b>7.09</b> | 0.45 | <b>6.47</b> | 0.00 | <b>6.79</b> | 0.00 |                  |
|                                     |  | 0.01 |             | 0.01 |             | 0.01 |             | 0.00 |             | 0.00 |                  |
| <b>9WKG82</b>                       |  |      | <b>6.33</b> | 1.73 |             |      | <b>6.17</b> | 1.24 | <b>6.40</b> | 0.00 |                  |
|                                     |  |      |             | 0.06 |             |      |             | 0.06 |             | 0.00 |                  |
| <b>MAXQQK</b>                       | <b>6.77</b>  | 1.39 | <b>6.30</b> | 0.63 | <b>7.06</b> | 1.34 | <b>6.04</b> | 1.38 | <b>6.42</b> | 0.45 |                  |
|                                     |  | 0.03 |             | 0.02 |             | 0.02 |             | 0.06 |             | 0.01 |                  |
| <b>MZTJBK</b>                       |  |      | <b>6.34</b> | 0.76 |             |      | <b>6.19</b> | 0.75 | <b>6.38</b> | 1.95 |                  |
|                                     |  |      |             | 0.03 |             |      |             | 0.04 |             | 0.03 |                  |
| <b>Grand Median</b>                 | 6.89   |      | 6.34        |      | 7.08        |      | 6.18        |      | 6.41        |      |                  |
| <b>Median Abs Dev</b>               |  |      |             |      |             |      |             |      |             |      |                  |
| <b>Avg Within Lab SD</b>            | 0.02   |      | 0.03        |      | 0.01        |      | 0.05        |      | 0.01        |      |                  |
| <b>Labs Included</b>                | 2  |      | 4           |      | 2           |      | 4           |      | 4           |      |                  |
| <b>Labs Reporting</b>               | 2  |      | 4           |      | 2           |      | 4           |      | 4           |      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3-N Cd. Rd. (SubTestCode 127) |             |      | in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups |             |       |            |             |      |            |             |      |            |             |       | Data units: mg/kg |  |  |
|---------------------------------|-------------|------|---|-------------|-------|------------|-------------|------|------------|-------------|------|------------|-------------|-------|-------------------|--|--|
| SRSSRS1606                      |             |      | SRSSRS1607  |             |       | SRSSRS1608 |             |      | SRSSRS1609 |             |      | SRSSRS1610 |             |       |                   |  |  |
| <b>P2ZHHY</b>                   | <b>24.0</b> | -0.6 | 0.4   | <b>63.5</b> | -0.6  | 0.8        | <b>9.2</b>  | -0.3 | 0.4        | <b>32.7</b> | 0.3  | 1.1        | <b>63.0</b> | 0.7   | 0.2               |  |  |
|                                 |             | -2.1 | 0.5   |             | -4.5  | 2.0        |             | -0.9 | 0.3        |             | 1.1  | 1.2        |             | 5.6   | 0.5               |  |  |
| <b>9G9ZXE</b>                   | <b>27.7</b> | 0.5  | 0.2   | <b>69.3</b> | 0.2   | 0.0        | <b>10.5</b> | 0.1  | 0.3        | <b>30.5</b> | -0.3 | 1.0        | <b>51.4</b> | -0.7  | 0.2               |  |  |
|                                 |             | 1.6  | 0.3   |             | 1.3   | 0.1        |             | 0.5  | 0.2        |             | -1.0 | 1.0        |             | -6.0  | 0.5               |  |  |
| <b>7LQLUF</b>                   | <b>26.6</b> | 0.1  | 1.0   | <b>67.5</b> | -0.1  | 0.4        | <b>11.1</b> | 0.3  | 0.8        | <b>35.7</b> | 1.1  | 0.9        | <b>65.6</b> | 1.0   | 1.3               |  |  |
|                                 |             | 0.5  | 1.2   |             | -0.5  | 1.1        |             | 1.0  | 0.5        |             | 4.2  | 1.0        |             | 8.1   | 2.9               |  |  |
| <b>UJH8JT</b>                   | <b>23.8</b> | -0.7 | 0.6   | <b>57.7</b> | -1.3  | 0.3        | <b>8.8</b>  | -0.4 | 0.3        | <b>25.6</b> | -1.5 | 0.3        | <b>43.2</b> | -1.7  | 0.1               |  |  |
|                                 |             | -2.3 | 0.8   |             | -10.3 | 0.7        |             | -1.3 | 0.2        |             | -6.0 | 0.4        |             | -14.3 | 0.2               |  |  |
| <b>ETFYA8</b>                   | <b>26.4</b> | 0.1  | 0.3   | <b>61.3</b> | -0.8  | 0.2        | <b>9.6</b>  | -0.1 | 0.6        | <b>35.3</b> | 1.0  | 0.3        | <b>67.6</b> | 1.2   | 0.1               |  |  |
|                                 |             | 0.3  | 0.4   |             | -6.7  | 0.4        |             | -0.4 | 0.4        |             | 3.8  | 0.4        |             | 10.1  | 0.1               |  |  |
| <b>WN8QDL</b>                   | <b>25.1</b> | -0.3 | 0.1   | <b>68.1</b> | 0.0   | 0.1        | <b>22.7</b> | 3.7  | 0.9        | <b>27.9</b> | -0.9 | 0.4        | <b>49.8</b> | -0.9  | 0.4               |  |  |
|                                 |             | -1.0 | 0.1   |             | 0.1   | 0.4        |             | 12.6 | 0.6        |             | -3.7 | 0.4        |             | -7.6  | 0.8               |  |  |
| <b>QHLKDT</b>                   | <b>29.4</b> | 0.9  | 1.7   | <b>74.5</b> | 0.8   | 0.7        | <b>10.6</b> | 0.2  | 1.3        | <b>30.3</b> | -0.3 | 0.6        | <b>53.9</b> | -0.4  | 1.3               |  |  |
|                                 |             | 3.2  | 2.1   |             | 6.5   | 1.7        |             | 0.5  | 0.9        |             | -1.3 | 0.7        |             | -3.5  | 2.9               |  |  |
| <b>NM37AU</b>                   | <b>25.3</b> | -0.2 | 1.3   | <b>61.0</b> | -0.9  | 1.1        | <b>10.0</b> | 0.0  | 0.7        | <b>33.0</b> | 0.4  | 1.9        | <b>62.5</b> | 0.6   | 0.6               |  |  |
|                                 |             | -0.8 | 1.5   |             | -7.0  | 2.9        |             | 0.0  | 0.5        |             | 1.5  | 2.0        |             | 5.1   | 1.5               |  |  |
| <b>PDR4NU</b>                   | <b>25.1</b> | -0.3 | 1.1   | <b>57.9</b> | -1.2  | 0.6        | <b>10.8</b> | 0.2  | 1.6        | <b>29.9</b> | -0.4 | 1.6        | <b>59.2</b> | 0.2   | 0.2               |  |  |
|                                 |             | -1.0 | 1.3   |             | -10.1 | 1.5        |             | 0.7  | 1.1        |             | -1.7 | 1.7        |             | 1.8   | 0.5               |  |  |
| <b>LU92FX</b>                   | <b>26.0</b> | 0.0  | 0.8   | <b>68.3</b> | 0.0   | 0.9        | <b>10.0</b> | 0.0  | 1.5        | <b>34.3</b> | 0.7  | 2.2        | <b>64.3</b> | 0.8   | 1.8               |  |  |
|                                 |             | -0.1 | 1.0   |             | 0.3   | 2.3        |             | -0.1 | 1.0        |             | 2.8  | 2.3        |             | 6.9   | 4.2               |  |  |
| <b>WP3AEN</b>                   | <b>16.9</b> | -2.6 | 0.3   | <b>86.6</b> | 2.3   | 0.4        | <b>22.3</b> | 3.6  | 0.6        | <b>31.5</b> | 0.0  | 0.9        | <b>45.0</b> | -1.5  | 0.9               |  |  |
|                                 |             | -9.3 | 0.4   |             | 18.6  | 1.0        |             | 12.3 | 0.4        |             | 0.0  | 0.9        |             | -12.4 | 2.1               |  |  |
| <b>9JB2YB</b>                   | <b>24.4</b> | -0.5 | 0.6   | <b>67.4</b> | -0.1  | 0.9        | <b>8.9</b>  | -0.4 | 0.1        | <b>32.4</b> | 0.2  | 0.5        | <b>58.3</b> | 0.1   | 0.5               |  |  |
|                                 |             | -1.8 | 0.8   |             | -0.6  | 2.4        |             | -1.2 | 0.1        |             | 0.9  | 0.5        |             | 0.9   | 1.1               |  |  |
| <b>4XUXCD</b>                   | <b>25.3</b> | -0.2 | 0.5   | <b>68.0</b> | 0.0   | 0.8        | <b>10.8</b> | 0.2  | 0.4        | <b>32.7</b> | 0.3  | 0.6        | <b>62.0</b> | 0.6   | 0.9               |  |  |
|                                 |             | -0.8 | 0.6   |             | 0.0   | 2.0        |             | 0.8  | 0.3        |             | 1.1  | 0.6        |             | 4.6   | 2.0               |  |  |
| <b>YM93AG</b>                   | <b>28.6</b> | 0.7  | 0.4   | <b>71.8</b> | 0.5   | 0.0        | <b>11.6</b> | 0.5  | 0.1        | <b>31.1</b> | -0.1 | 0.2        | <b>55.1</b> | -0.3  | 0.1               |  |  |
|                                 |             | 2.5  | 0.5   |             | 3.8   | 0.1        |             | 1.5  | 0.0        |             | -0.4 | 0.3        |             | -2.3  | 0.1               |  |  |
| <b>Z9LAXF</b>                   | <b>30.1</b> | 1.1  | 0.2   | <b>77.7</b> | 1.2   | 0.3        | <b>11.1</b> | 0.3  | 0.3        | <b>32.8</b> | 0.3  | 0.4        | <b>60.4</b> | 0.4   | 1.4               |  |  |
|                                 |             | 4.0  | 0.3   |             | 9.7   | 0.9        |             | 1.0  | 0.2        |             | 1.3  | 0.4        |             | 2.9   | 3.2               |  |  |
| <b>KG6H4X</b>                   | <b>34.9</b> | 2.5  | 2.3   | <b>72.7</b> | 0.6   | 0.6        | <b>16.7</b> | 2.0  | 2.5        | <b>47.3</b> | 4.0  | 2.2        | <b>68.3</b> | 1.3   | 1.9               |  |  |
|                                 |             | 8.8  | 2.7   |             | 4.7   | 1.5        |             | 6.6  | 1.7        |             | 15.7 | 2.3        |             | 10.9  | 4.4               |  |  |
| <b>HML4ZY</b>                   | <b>23.1</b> | -0.9 | 0.5   | <b>69.2</b> | 0.1   | 0.5        | <b>10.5</b> | 0.1  | 0.2        | <b>32.5</b> | 0.2  | 0.4        | <b>57.6</b> | 0.0   | 0.6               |  |  |
|                                 |             | -3.0 | 0.6   |             | 1.2   | 1.3        |             | 0.4  | 0.1        |             | 0.9  | 0.4        |             | 0.1   | 1.3               |  |  |
| <b>9P39J6</b>                   | <b>18.6</b> | -2.1 | 0.1   | <b>58.5</b> | -1.2  | 0.4        | <b>8.4</b>  | -0.5 | 0.1        | <b>29.4</b> | -0.5 | 0.0        | <b>58.6</b> | 0.1   | 0.0               |  |  |
|                                 |             | -7.5 | 0.1   |             | -9.5  | 0.9        |             | -1.7 | 0.0        |             | -2.2 | 0.0        |             | 1.2   | 0.1               |  |  |
| <b>KJBZ3T</b>                   | <b>28.3</b> | 0.6  | 0.5   | <b>75.0</b> | 0.9   | 0.4        | <b>8.3</b>  | -0.5 | 0.9        | <b>30.0</b> | -0.4 | 1.0        | <b>55.3</b> | -0.3  | 0.5               |  |  |
|                                 |             | 2.2  | 0.6   |             | 7.0   | 1.0        |             | -1.7 | 0.6        |             | -1.5 | 1.0        |             | -2.1  | 1.2               |  |  |
| <b>3HG3JC</b>                   | <b>26.6</b> | 0.1  |   | <b>66.3</b> | -0.2  |            | <b>18.1</b> | 2.4  |            | <b>27.3</b> | -1.1 |            | <b>50.5</b> | -0.8  |                   |  |  |
|                                 |             | 0.5  | 0.0   |             | -1.8  | 0.0        |             | 8.1  | 0.0        |             | -4.2 | 0.0        |             | -7.0  | 0.0               |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|               | 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 |
|---------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
|               | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD |
| <b>E8KYJY</b> | <b>29.8</b> | 1.1     | 0.4     | <b>74.2</b> | 0.8     | 1.5     | <b>9.5</b>  | -0.2    | 0.1     | <b>35.7</b> | 1.0     | 0.1     | <b>59.9</b> | 0.3     | 0.5     |
|               |             | 3.7     | 0.5     |             | 6.2     | 3.8     |             | -0.6    | 0.1     |             | 4.1     | 0.2     |             | 2.5     | 1.1     |
| <b>2ZLAYD</b> | <b>29.3</b> | 0.9     | 1.3     | <b>77.3</b> | 1.2     | 1.6     | <b>20.0</b> | 2.9     | 4.0     | <b>27.7</b> | -1.0    | 1.1     | <b>57.3</b> | 0.0     | 1.3     |
|               |             | 3.2     | 1.5     |             | 9.3     | 4.0     |             | 9.9     | 2.6     |             | -3.9    | 1.2     |             | -0.1    | 2.9     |
| <b>XD4VUG</b> | <b>25.5</b> | -0.2    | 0.9     | <b>59.8</b> | -1.0    | 0.3     | <b>9.4</b>  | -0.2    | 1.2     | <b>27.7</b> | -1.0    | 1.1     | <b>45.4</b> | -1.5    | 0.1     |
|               |             | -0.6    | 1.1     |             | -8.2    | 0.7     |             | -0.7    | 0.8     |             | -3.9    | 1.1     |             | -12.1   | 0.1     |
| <b>9GTK67</b> | <b>24.4</b> | -0.5    | 0.7     | <b>69.8</b> | 0.2     | 0.3     | <b>20.1</b> | 3.0     | 0.2     | <b>32.1</b> | 0.2     | 1.2     | <b>61.1</b> | 0.4     | 0.9     |
|               |             | -1.7    | 0.8     |             | 1.8     | 0.7     |             | 10.1    | 0.1     |             | 0.6     | 1.2     |             | 3.7     | 2.1     |
| <b>WWZ2MH</b> | <b>18.7</b> | -2.1    | 0.0     | <b>52.6</b> | -1.9    | 0.0     | <b>7.9</b>  | -0.6    | 0.0     | <b>26.2</b> | -1.4    | 0.0     | <b>57.1</b> | 0.0     | 0.0     |
|               |             | -7.4    | 0.0     |             | -15.4   | 0.0     |             | -2.1    | 0.0     |             | -5.3    | 0.0     |             | -0.3    | 0.0     |
| <b>MFPVJN</b> | <b>24.3</b> | -0.5    | 1.3     | <b>62.7</b> | -0.7    | 0.6     | <b>10.7</b> | 0.2     | 0.9     | <b>31.7</b> | 0.0     | 0.6     | <b>58.3</b> | 0.1     | 2.2     |
|               |             | -1.8    | 1.5     |             | -5.3    | 1.5     |             | 0.6     | 0.6     |             | 0.1     | 0.6     |             | 0.9     | 5.0     |
| <b>2RDHVB</b> | <b>29.1</b> | 0.8     | 1.8     | <b>63.5</b> | -0.6    | 0.3     | <b>17.5</b> | 2.2     | 0.9     | <b>31.6</b> | 0.0     | 2.0     | <b>50.6</b> | -0.8    | 1.0     |
|               |             | 3.0     | 2.2     |             | -4.5    | 0.7     |             | 7.5     | 0.6     |             | 0.0     | 2.1     |             | -6.8    | 2.3     |
| <b>YXPMTD</b> | <b>27.2</b> | 0.3     | 0.1     | <b>69.0</b> | 0.1     | 0.0     | <b>10.1</b> | 0.0     | 0.2     | <b>32.6</b> | 0.3     | 0.5     | <b>55.5</b> | -0.2    | 0.2     |
|               |             | 1.0     | 0.1     |             | 1.0     | 0.0     |             | 0.0     | 0.2     |             | 1.0     | 0.6     |             | -1.9    | 0.4     |
| <b>V3RMFD</b> | <b>26.4</b> | 0.1     | 0.7     | <b>61.5</b> | -0.8    | 0.5     | <b>9.6</b>  | -0.1    | 1.0     | <b>35.1</b> | 0.9     | 1.3     | <b>65.8</b> | 1.0     | 0.5     |
|               |             | 0.3     | 0.8     |             | -6.5    | 1.2     |             | -0.4    | 0.7     |             | 3.6     | 1.4     |             | 8.3     | 1.2     |
| <b>PZ7RCJ</b> | <b>25.7</b> | -0.1    | 0.2     | <b>68.9</b> | 0.1     | 0.3     | <b>9.7</b>  | -0.1    | 0.1     | <b>33.9</b> | 0.6     | 0.1     | <b>61.5</b> | 0.5     | 0.4     |
|               |             | -0.4    | 0.3     |             | 0.9     | 0.8     |             | -0.4    | 0.1     |             | 2.4     | 0.1     |             | 4.0     | 0.8     |
| <b>RF99BG</b> | <b>28.0</b> | 0.5     | 0.0     | <b>68.0</b> | 0.0     | 0.8     | <b>9.6</b>  | -0.1    | 0.3     | <b>30.3</b> | -0.3    | 0.6     | <b>50.3</b> | -0.9    | 0.3     |
|               |             | 1.9     | 0.0     |             | 0.0     | 2.0     |             | -0.5    | 0.2     |             | -1.2    | 0.6     |             | -7.1    | 0.6     |
| <b>BX698W</b> | <b>28.7</b> | 0.7     | 0.3     | <b>72.7</b> | 0.6     | 0.3     | <b>10.9</b> | 0.3     | 0.3     | <b>32.0</b> | 0.1     | 0.8     | <b>56.6</b> | -0.1    | 0.5     |
|               |             | 2.6     | 0.3     |             | 4.7     | 0.7     |             | 0.9     | 0.2     |             | 0.5     | 0.8     |             | -0.8    | 1.1     |
| <b>9WKG82</b> | <b>25.6</b> | -0.1    | 3.9     | <b>58.7</b> | -1.1    | 4.7     | <b>9.3</b>  | -0.2    | 0.8     | <b>29.8</b> | -0.4    | 1.7     | <b>68.1</b> | 1.3     | 3.6     |
|               |             | -0.5    | 4.6     |             | -9.3    | 11.8    |             | -0.8    | 0.5     |             | -1.7    | 1.8     |             | 10.6    | 8.1     |
| <b>4TXAV7</b> | <b>23.9</b> | -0.6    |         | <b>60.9</b> | -0.9    |         | <b>9.3</b>  | -0.2    |         | <b>26.5</b> | -1.3    |         | <b>44.2</b> | -1.6    |         |
|               |             | -2.2    | 0.0     |             | -7.1    | 0.0     |             | -0.8    | 0.0     |             | -5.0    | 0.0     |             | -13.3   | 0.0     |
| <b>EJR4AR</b> | <b>26.2</b> | 0.0     | 0.4     | <b>68.6</b> | 0.1     | 0.6     | <b>9.8</b>  | -0.1    | 0.1     | <b>28.8</b> | -0.7    | 1.1     | <b>50.2</b> | -0.9    | 0.2     |
|               |             | 0.1     | 0.5     |             | 0.6     | 1.6     |             | -0.3    | 0.1     |             | -2.7    | 1.1     |             | -7.2    | 0.5     |
| <b>ACVHGX</b> | <b>26.5</b> | 0.1     |         | <b>80.8</b> | 1.6     | 0.0     | <b>9.9</b>  | -0.1    | 0.0     | <b>29.1</b> | -0.6    | 0.0     | <b>55.5</b> | -0.2    |         |
|               |             | 0.4     | 0.0     |             | 12.8    | 0.0     |             | -0.2    | 0.0     |             | -2.4    | 0.0     |             | -2.0    | 0.0     |
| <b>GPT3XM</b> | <b>30.5</b> | 1.3     | 0.0     | <b>72.2</b> | 0.5     | 0.1     | <b>10.6</b> | 0.2     | 0.1     | <b>32.9</b> | 0.4     | 0.3     | <b>56.6</b> | -0.1    | 0.1     |
|               |             | 4.4     | 0.0     |             | 4.2     | 0.2     |             | 0.5     | 0.0     |             | 1.4     | 0.3     |             | -0.9    | 0.3     |
| <b>XJT9V6</b> | <b>25.8</b> | -0.1    | 0.1     | <b>66.5</b> | -0.2    | 0.1     | <b>9.3</b>  | -0.2    | 0.4     | <b>28.4</b> | -0.8    | 0.4     | <b>51.2</b> | -0.8    | 0.5     |
|               |             | -0.4    | 0.2     |             | -1.5    | 0.2     |             | -0.8    | 0.3     |             | -3.2    | 0.5     |             | -6.3    | 1.2     |
| <b>HU3FFL</b> | <b>24.1</b> | -0.6    | 0.6     | <b>53.3</b> | -1.8    | 1.8     | <b>10.6</b> | 0.2     | 0.5     | <b>31.1</b> | -0.1    | 0.5     | <b>70.9</b> | 1.6     | 0.5     |
|               |             | -2.0    | 0.7     |             | -14.7   | 4.6     |             | 0.5     | 0.4     |             | -0.4    | 0.5     |             | 13.4    | 1.2     |
| <b>9KRXTW</b> | <b>29.9</b> | 1.1     | 0.8     | <b>67.3</b> | -0.1    | 1.2     | <b>9.9</b>  | -0.1    | 1.2     | <b>39.1</b> | 1.9     | 1.4     | <b>62.8</b> | 0.6     | 1.4     |
|               |             | 3.8     | 0.9     |             | -0.7    | 3.2     |             | -0.2    | 0.8     |             | 7.6     | 1.5     |             | 5.3     | 3.2     |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 26.1    |         |                    | 68.0    |         |                    | 10.1    |         |                    | 31.5    |         |                    | 57.5    |         |
| <b>Median Abs Dev</b>    |                    | 1.8     |         |                    | 4.7     |         |                    | 0.8     |         |                    | 1.7     |         |                    | 5.2     |         |
| <b>Avg Within Lab SD</b> |                    | 1.2     |         |                    | 2.5     |         |                    | 0.7     |         |                    | 1.0     |         |                    | 2.3     |         |
| <b>Labs Included</b>     |                    | 40      |         |                    | 40      |         |                    | 40      |         |                    | 40      |         |                    | 40      |         |
| <b>Labs Reporting</b>    |                    | 40      |         |                    | 40      |         |                    | 40      |         |                    | 40      |         |                    | 40      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3-N ISE (SubTestCode 128) | in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups |      |     |             |       |     |             |      |     |             |      |     |             |       |     | Data units: mg/kg |
|-----------------------------|---|------|-----|-------------|-------|-----|-------------|------|-----|-------------|------|-----|-------------|-------|-----|-------------------|
|                             | SRSSRS1606  |      |     | SRSSRS1607  |       |     | SRSSRS1608  |      |     | SRSSRS1609  |      |     | SRSSRS1610  |       |     |                   |
| WPJ78M                      | <b>19.7</b>   | -1.0 | 0.3 | <b>60.7</b> | -0.8  | 0.2 | <b>8.3</b>  | -0.5 | 0.4 | <b>22.7</b> | -1.2 | 0.3 | <b>52.3</b> | -0.9  | 0.8 |                   |
|                             |   | -9.3 | 0.6 |             | -9.3  | 0.6 |             | -7.3 | 0.6 |             | -7.7 | 0.6 |             | -7.4  | 2.1 |                   |
| ZTQT9G                      | <b>23.3</b>   | -0.6 | 0.4 | <b>60.3</b> | -0.8  | 0.3 | <b>11.5</b> | -0.3 | 0.3 | <b>25.3</b> | -0.8 | 0.7 | <b>45.8</b> | -1.6  | 0.3 |                   |
|                             |   | -5.8 | 0.7 |             | -9.6  | 1.0 |             | -4.2 | 0.5 |             | -5.0 | 1.4 |             | -14.0 | 0.9 |                   |
| VMZPEH                      | <b>27.0</b>   | -0.2 | 0.6 | <b>82.3</b> | 1.0   | 1.0 | <b>25.1</b> | 0.7  | 1.3 | <b>36.2</b> | 0.9  | 0.8 | <b>59.7</b> | 0.0   | 2.0 |                   |
|                             |   | -2.0 | 1.0 |             | 12.4  | 3.4 |             | 9.5  | 2.0 |             | 5.9  | 1.6 |             | 0.0   | 5.4 |                   |
| ZT92XC                      | <b>31.6</b>   | 0.3  | 0.1 | <b>74.1</b> | 0.3   | 0.2 | <b>20.5</b> | 0.3  | 0.5 | <b>33.4</b> | 0.5  | 0.4 | <b>61.1</b> | 0.2   | 0.2 |                   |
|                             |   | 2.6  | 0.2 |             | 4.2   | 0.6 |             | 4.9  | 0.7 |             | 3.0  | 0.9 |             | 1.3   | 0.7 |                   |
| K4H7TN                      | <b>28.0</b>   | -0.1 |     | <b>50.7</b> | -1.6  | 0.4 | <b>39.3</b> | 1.7  | 1.1 | <b>28.3</b> | -0.3 | 0.8 | <b>56.3</b> | -0.4  | 0.6 |                   |
|                             |   | -1.0 | 0.0 |             | -19.3 | 1.2 |             | 23.7 | 1.5 |             | -2.0 | 1.5 |             | -3.4  | 1.5 |                   |
| LWH7TL                      | <b>29.0</b>   | 0.0  | 0.6 | <b>62.7</b> | -0.6  | 0.5 | <b>15.7</b> | 0.0  | 0.4 | <b>30.3</b> | 0.0  | 1.0 | <b>50.3</b> | -1.1  | 0.4 |                   |
|                             |   | 0.0  | 1.0 |             | -7.3  | 1.5 |             | 0.0  | 0.6 |             | 0.0  | 2.1 |             | -9.4  | 1.2 |                   |
| MZTJBK                      | <b>59.9</b>   | 3.3  | 1.5 | <b>69.9</b> | 0.0   | 1.6 | <b>48.9</b> | 2.4  | 2.0 | <b>27.9</b> | -0.4 | 0.3 | <b>62.5</b> | 0.3   | 0.9 |                   |
|                             |   | 30.9 | 2.6 |             | 0.0   | 5.3 |             | 33.3 | 2.9 |             | -2.4 | 0.7 |             | 2.7   | 2.5 |                   |
| N6HFCF                      | <b>31.3</b>   | 0.2  | 0.7 | <b>74.2</b> | 0.3   | 1.2 | <b>13.7</b> | -0.1 | 0.6 | <b>32.4</b> | 0.3  | 1.2 | <b>61.1</b> | 0.2   | 0.6 |                   |
|                             |   | 2.3  | 1.2 |             | 4.2   | 3.9 |             | -1.9 | 0.8 |             | 2.1  | 2.3 |             | 1.4   | 1.6 |                   |
| 9KRXTW                      | <b>32.7</b>   | 0.4  | 2.3 | <b>77.2</b> | 0.6   | 1.8 | <b>14.9</b> | -0.1 | 1.0 | <b>41.1</b> | 1.7  | 2.1 | <b>72.1</b> | 1.4   | 1.6 |                   |
|                             |   | 3.7  | 4.1 |             | 7.3   | 6.0 |             | -0.8 | 1.5 |             | 10.8 | 4.3 |             | 12.4  | 4.2 |                   |
| Grand Median                |   | 29.0 |     | 69.9        |       |     | 15.7        |      |     | 30.3        |      |     | 59.7        |       |     |                   |
| Median Abs Dev              |   | 2.6  |     | 7.3         |       |     | 4.9         |      |     | 3.0         |      |     | 3.4         |       |     |                   |
| Avg Within Lab SD           |   | 1.8  |     | 3.3         |       |     | 1.4         |      |     | 2.0         |      |     | 2.7         |       |     |                   |
| Labs Included               |   | 9    |     | 9           |       |     | 9           |      |     | 9           |      |     | 9           |       |     |                   |
| Labs Reporting              |   | 9    |     | 9           |       |     | 9           |      |     | 9           |      |     | 9           |       |     |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3-N CTA (SubTestCode 129) | in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups |      |             |      |             |      |             |      |             |      | Data units: mg/kg |
|-----------------------------|---|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------------|
|                             | SRSSRS1606  |      | SRSSRS1607  |      | SRSSRS1608  |      | SRSSRS1609  |      | SRSSRS1610  |      |                   |
| <b>2V9A2L</b>               | <b>30.5</b>   | 0.8  | <b>73.4</b> | 0.8  | <b>12.3</b> | 0.6  | <b>30.7</b> | 1.3  | <b>55.7</b> | 0.2  |                   |
|                             |   | 0.4  |             | 1.7  |             | 0.3  |             | 1.5  |             | 0.3  |                   |
| <b>PD8M9Q</b>               | <b>26.9</b>   | 1.5  | <b>69.2</b> | 1.6  | <b>18.2</b> | 0.1  | <b>30.5</b> | 1.2  | <b>50.1</b> | 1.2  |                   |
|                             |   | 0.7  |             | 3.3  |             | 0.0  |             | 1.4  |             | 1.3  |                   |
| <b>Y26GAB</b>               | <b>33.6</b>   | 0.5  | <b>82.2</b> | 0.0  | <b>12.6</b> | 1.6  | <b>36.5</b> | 0.2  | <b>63.3</b> | 1.2  |                   |
|                             |   | 0.2  |             | 0.0  |             | 0.7  |             | 0.3  |             | 1.4  |                   |
| <b>Grand Median</b>         |   | 30.5 |             | 73.4 |             | 12.6 |             | 30.7 |             | 55.7 |                   |
| <b>Median Abs Dev</b>       |   |      |             |      |             |      |             |      |             |      |                   |
| <b>Avg Within Lab SD</b>    |   | 0.5  |             | 2.1  |             | 0.4  |             | 1.2  |             | 1.1  |                   |
| <b>Labs Included</b>        |   | 3    |             | 3    |             | 3    |             | 3    |             | 3    |                   |
| <b>Labs Reporting</b>       |   | 3    |             | 3    |             | 3    |             | 3    |             | 3    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3-N Ion Chr. (SubTestCode 130) | in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups |     |             |     |            |     |             |     |             |     | Data units: mg/kg |
|----------------------------------|---|-----|-------------|-----|------------|-----|-------------|-----|-------------|-----|-------------------|
| SRSSRS1606                       | SRSSRS1607  |     | SRSSRS1608  |     | SRSSRS1609 |     | SRSSRS1610  |     |             |     |                   |
| <b>Z4BZ87</b>                    | <b>29.0</b>   | 1.0 | <b>76.7</b> | 1.0 | <b>7.2</b> | 1.0 | <b>32.5</b> | 1.0 | <b>58.0</b> | 1.0 |                   |
|                                  |   | 2.4 |             | 2.0 |            | 2.0 |             | 0.7 |             | 1.2 |                   |
| <b>Grand Median</b>              | 29.0  |     | 76.7        |     | 7.21       |     | 32.5        |     | 58.0        |     |                   |
| <b>Median Abs Dev</b>            |   |     |             |     |            |     |             |     |             |     |                   |
| <b>Avg Within Lab SD</b>         | 2.4   |     | 2.0         |     | 2.04       |     | 0.7         |     | 1.2         |     |                   |
| <b>Labs Included</b>             | 1   |     | 1           |     | 1          |     | 1           |     | 1           |     |                   |
| <b>Labs Reporting</b>            | 1   |     | 1           |     | 1          |     | 1           |     | 1           |     |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NH4 - N (KCl Extr.) (SubTestCode 131) | in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups |       |      |             |       |      |             |       |      |             |       |      |              |       |      | Data units: mg/kg |
|---------------------------------------|---|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|--------------|-------|------|-------------------|
|                                       | SRSSRS1606  |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610   |       |      |                   |
| <b>P2ZHHY</b>                         | <b>5.30</b>   | 0.14  | 0.00 | <b>3.40</b> | 0.27  | 0.01 | <b>6.13</b> | 0.80  | 0.13 | <b>5.92</b> | 0.22  | 0.04 | <b>7.74</b>  | 0.08  | 0.00 |                   |
|                                       |   | 0.37  | 0.00 |             | 0.43  | 0.01 |             | 1.41  | 0.09 |             | 0.43  | 0.04 |              | 0.20  | 0.00 |                   |
| <b>2V9A2L</b>                         | <b>2.90</b>   | -0.78 | 0.00 | <b>2.47</b> | -0.32 | 0.09 | <b>4.27</b> | -0.25 | 0.09 | <b>5.07</b> | -0.21 | 0.06 | <b>6.73</b>  | -0.33 | 0.05 |                   |
|                                       |   | -2.03 | 0.00 |             | -0.51 | 0.06 |             | -0.45 | 0.06 |             | -0.42 | 0.06 |              | -0.81 | 0.06 |                   |
| <b>UJH8JT</b>                         | <b>7.54</b>   | 1.00  | 0.52 | <b>6.13</b> | 1.99  | 0.34 | <b>7.16</b> | 1.39  | 0.40 | <b>9.24</b> | 1.90  | 0.23 | <b>11.95</b> | 1.81  | 0.15 |                   |
|                                       |   | 2.61  | 0.46 |             | 3.16  | 0.23 |             | 2.45  | 0.27 |             | 3.76  | 0.21 |              | 4.40  | 0.18 |                   |
| <b>ETFYA8</b>                         | <b>8.26</b>   | 1.28  | 0.54 | <b>6.04</b> | 1.93  | 0.61 | <b>5.49</b> | 0.45  | 0.48 | <b>8.16</b> | 1.36  | 0.43 | <b>10.90</b> | 1.38  | 0.22 |                   |
|                                       |   | 3.33  | 0.47 |             | 3.07  | 0.41 |             | 0.78  | 0.32 |             | 2.68  | 0.39 |              | 3.35  | 0.26 |                   |
| <b>WN8QDL</b>                         | <b>2.55</b>   | -0.92 | 0.08 | <b>0.54</b> | -1.53 | 0.06 | <b>5.56</b> | 0.48  | 0.21 | <b>2.50</b> | -1.51 | 0.54 | <b>4.09</b>  | -1.42 | 0.06 |                   |
|                                       |   | -2.38 | 0.07 |             | -2.43 | 0.04 |             | 0.85  | 0.14 |             | -2.98 | 0.50 |              | -3.46 | 0.07 |                   |
| <b>QHLKDT</b>                         | <b>4.05</b>   | -0.34 | 0.50 | <b>2.14</b> | -0.53 | 0.94 | <b>3.07</b> | -0.94 | 0.57 | <b>4.16</b> | -0.67 | 0.63 | <b>6.35</b>  | -0.49 | 0.44 |                   |
|                                       |   | -0.88 | 0.44 |             | -0.83 | 0.63 |             | -1.64 | 0.39 |             | -1.32 | 0.58 |              | -1.20 | 0.52 |                   |
| <b>NM37AU</b>                         | <b>2.88</b>   | -0.79 | 0.66 | <b>1.76</b> | -0.77 | 0.10 | <b>3.82</b> | -0.51 | 1.54 | <b>3.81</b> | -0.85 | 0.50 | <b>6.80</b>  | -0.31 | 0.52 |                   |
|                                       |   | -2.05 | 0.59 |             | -1.22 | 0.07 |             | -0.89 | 1.04 |             | -1.68 | 0.46 |              | -0.74 | 0.62 |                   |
| <b>PDR4NU</b>                         | <b>5.03</b>   | 0.04  | 0.07 | <b>3.20</b> | 0.14  | 0.30 | <b>5.20</b> | 0.28  | 0.44 | <b>5.00</b> | -0.24 | 0.22 | <b>9.40</b>  | 0.76  | 0.00 |                   |
|                                       |   | 0.10  | 0.06 |             | 0.23  | 0.20 |             | 0.49  | 0.30 |             | -0.48 | 0.20 |              | 1.85  | 0.00 |                   |
| <b>LU92FX</b>                         | <b>6.00</b>   | 0.41  | 1.13 | <b>4.67</b> | 1.07  | 2.27 | <b>5.00</b> | 0.16  | 1.48 | <b>6.67</b> | 0.60  | 1.25 | <b>11.33</b> | 1.56  | 1.30 |                   |
|                                       |   | 1.07  | 1.00 |             | 1.69  | 1.53 |             | 0.29  | 1.00 |             | 1.19  | 1.15 |              | 3.79  | 1.53 |                   |
| <b>PD8M9Q</b>                         | <b>4.07</b>   | -0.33 | 0.31 | <b>2.23</b> | -0.47 | 0.36 | <b>7.36</b> | 1.51  | 0.24 | <b>4.38</b> | -0.56 | 0.21 | <b>5.79</b>  | -0.72 | 0.23 |                   |
|                                       |   | -0.86 | 0.27 |             | -0.75 | 0.24 |             | 2.65  | 0.16 |             | -1.10 | 0.19 |              | -1.75 | 0.28 |                   |
| <b>HML4ZY</b>                         | <b>4.23</b>   | -0.27 | 0.17 | <b>2.27</b> | -0.45 | 0.17 | <b>3.37</b> | -0.77 | 0.09 | <b>5.93</b> | 0.23  | 0.06 | <b>7.90</b>  | 0.15  | 0.15 |                   |
|                                       |   | -0.70 | 0.15 |             | -0.71 | 0.12 |             | -1.35 | 0.06 |             | 0.45  | 0.06 |              | 0.35  | 0.17 |                   |
| <b>9P39J6</b>                         | <b>3.83</b>   | -0.42 | 0.02 | <b>2.76</b> | -0.14 | 0.04 | <b>4.47</b> | -0.14 | 0.02 | <b>5.72</b> | 0.12  | 0.03 | <b>8.47</b>  | 0.38  | 0.01 |                   |
|                                       |   | -1.10 | 0.02 |             | -0.22 | 0.03 |             | -0.25 | 0.02 |             | 0.24  | 0.03 |              | 0.92  | 0.02 |                   |
| <b>KJBZ3T</b>                         | <b>8.77</b>   | 1.48  | 0.46 | <b>7.37</b> | 2.77  | 1.05 | <b>7.40</b> | 1.53  | 0.65 | <b>8.53</b> | 1.55  | 0.27 | <b>12.33</b> | 1.97  | 0.95 |                   |
|                                       |   | 3.84  | 0.40 |             | 4.39  | 0.71 |             | 2.69  | 0.44 |             | 3.05  | 0.25 |              | 4.79  | 1.12 |                   |
| <b>3HG3JC</b>                         | <b>2.75</b>   | -0.84 |      | <b>3.05</b> | 0.05  |      | <b>4.73</b> | 0.01  |      | <b>3.43</b> | -1.04 |      | <b>6.31</b>  | -0.51 |      |                   |
|                                       |   | -2.18 | 0.00 |             | 0.08  | 0.00 |             | 0.02  | 0.00 |             | -2.05 | 0.00 |              | -1.24 | 0.00 |                   |
| <b>E8KYJY</b>                         | <b>7.60</b>   | 1.03  | 0.20 | <b>5.13</b> | 1.36  | 0.23 | <b>5.80</b> | 0.62  | 0.44 | <b>8.13</b> | 1.34  | 0.23 | <b>9.97</b>  | 1.00  | 0.32 |                   |
|                                       |   | 2.67  | 0.17 |             | 2.16  | 0.15 |             | 1.09  | 0.30 |             | 2.65  | 0.21 |              | 2.42  | 0.38 |                   |
| <b>XD4VUG</b>                         | <b>4.22</b>   | -0.27 | 0.21 | <b>2.47</b> | -0.32 | 0.17 | <b>3.03</b> | -0.96 | 0.11 | <b>4.71</b> | -0.39 | 0.19 | <b>5.95</b>  | -0.66 | 0.08 |                   |
|                                       |   | -0.71 | 0.18 |             | -0.50 | 0.12 |             | -1.68 | 0.07 |             | -0.77 | 0.18 |              | -1.60 | 0.09 |                   |
| <b>WWZ2MH</b>                         | <b>5.01</b>   | 0.03  | 0.01 | <b>3.37</b> | 0.25  | 0.00 | <b>5.19</b> | 0.27  | 0.00 | <b>5.53</b> | 0.02  | 0.00 | <b>8.18</b>  | 0.26  | 0.00 |                   |
|                                       |   | 0.08  | 0.01 |             | 0.40  | 0.00 |             | 0.48  | 0.00 |             | 0.05  | 0.00 |              | 0.64  | 0.01 |                   |
| <b>YXPMTD</b>                         | <b>4.85</b>   | -0.03 | 0.00 | <b>2.66</b> | -0.20 | 0.03 | <b>3.66</b> | -0.60 | 0.06 | <b>4.84</b> | -0.33 | 0.02 | <b>7.35</b>  | -0.08 | 0.04 |                   |
|                                       |   | -0.08 | 0.00 |             | -0.32 | 0.02 |             | -1.05 | 0.04 |             | -0.64 | 0.02 |              | -0.20 | 0.05 |                   |
| <b>PZ7RCJ</b>                         | <b>4.30</b>   | -0.24 | 0.12 | <b>2.18</b> | -0.50 | 0.08 | <b>3.59</b> | -0.64 | 0.06 | <b>5.62</b> | 0.07  | 0.01 | <b>7.90</b>  | 0.14  | 0.27 |                   |
|                                       |   | -0.63 | 0.10 |             | -0.79 | 0.05 |             | -1.12 | 0.04 |             | 0.14  | 0.01 |              | 0.35  | 0.32 |                   |
| <b>RF99BG</b>                         | <b>5.80</b>   | 0.33  | 0.40 | <b>3.57</b> | 0.38  | 0.35 | <b>4.69</b> | -0.01 | 1.12 | <b>6.46</b> | 0.50  | 0.90 | <b>8.60</b>  | 0.43  | 0.56 |                   |
|                                       |   | 0.87  | 0.36 |             | 0.60  | 0.24 |             | -0.02 | 0.75 |             | 0.98  | 0.83 |              | 1.05  | 0.66 |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>BX698W</b>            | <b>5.19</b>        | 0.10    | 0.08    | <b>3.37</b>        | 0.25    | 0.19    | <b>4.26</b>        | -0.26   | 0.15    | <b>5.73</b>        | 0.13    | 0.11    | <b>7.30</b>        | -0.10   | 0.14    |
|                          |                    | 0.26    | 0.07    |                    | 0.40    | 0.13    |                    | -0.45   | 0.10    |                    | 0.25    | 0.10    |                    | -0.25   | 0.17    |
| <b>4TXAV7</b>            | <b>5.80</b>        | 0.33    |         | <b>2.90</b>        | -0.05   |         | <b>6.70</b>        | 1.13    |         | <b>5.20</b>        | -0.14   |         | <b>7.30</b>        | -0.10   |         |
|                          |                    | 0.87    | 0.00    |                    | -0.08   | 0.00    |                    | 1.99    | 0.00    |                    | -0.28   | 0.00    |                    | -0.25   | 0.00    |
| <b>EJR4AR</b>            | <b>4.33</b>        | -0.23   | 0.23    | <b>2.33</b>        | -0.40   | 0.17    | <b>2.73</b>        | -1.13   | 0.45    | <b>5.43</b>        | -0.02   | 0.23    | <b>7.23</b>        | -0.13   | 0.18    |
|                          |                    | -0.60   | 0.21    |                    | -0.64   | 0.12    |                    | -1.98   | 0.31    |                    | -0.05   | 0.21    |                    | -0.31   | 0.21    |
| <b>MZTJBK</b>            | <b>3.80</b>        | -0.43   |         | <b>2.80</b>        | -0.11   |         | <b>2.60</b>        | -1.20   |         | <b>3.60</b>        | -0.95   |         | <b>5.70</b>        | -0.76   |         |
|                          |                    | -1.13   | 0.00    |                    | -0.18   | 0.00    |                    | -2.11   | 0.00    |                    | -1.88   | 0.00    |                    | -1.85   | 0.00    |
| <b>GPT3XM</b>            | <b>16.54</b>       | 4.47    | 1.35    | <b>3.32</b>        | 0.22    | 0.34    | <b>2.21</b>        | -1.42   | 0.32    | <b>1.03</b>        | -2.26   | 0.22    | <b>4.58</b>        | -1.22   | 0.24    |
|                          |                    | 11.61   | 1.20    |                    | 0.34    | 0.23    |                    | -2.50   | 0.22    |                    | -4.45   | 0.20    |                    | -2.97   | 0.29    |
| <b>N6HFCF</b>            | <b>7.50</b>        | 0.99    | 4.58    | <b>4.70</b>        | 1.09    | 4.21    | <b>4.87</b>        | 0.09    | 4.26    | <b>6.10</b>        | 0.31    | 4.70    | <b>9.43</b>        | 0.78    | 4.71    |
|                          |                    | 2.57    | 4.06    |                    | 1.73    | 2.84    |                    | 0.16    | 2.87    |                    | 0.62    | 4.33    |                    | 1.89    | 5.54    |
| <b>Grand Median</b>      |                    | 4.93    |         |                    | 2.98    |         |                    | 4.71    |         |                    | 5.48    |         |                    | 7.55    |         |
| <b>Median Abs Dev</b>    |                    | 0.97    |         |                    | 0.62    |         |                    | 1.07    |         |                    | 0.87    |         |                    | 1.22    |         |
| <b>Avg Within Lab SD</b> |                    | 0.89    |         |                    | 0.67    |         |                    | 0.67    |         |                    | 0.92    |         |                    | 1.18    |         |
| <b>Labs Included</b>     |                    | 26      |         |                    | 26      |         |                    | 26      |         |                    | 26      |         |                    | 26      |         |
| <b>Labs Reporting</b>    |                    | 26      |         |                    | 26      |         |                    | 26      |         |                    | 26      |         |                    | 26      |         |



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|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Bray P1 (1:10) (SubTestCode 133) | in the Phosphorus and Sulfur Property Groups |      |     |            |       |     |            |       |     |            |      |     |            |       |      | Data units: mg/kg |
|--|--|------|-----|------------|-------|-----|------------|-------|-----|------------|------|-----|------------|-------|------|-------------------|
|  | SRSSRS1606                                   |      |     | SRSSRS1607 |       |     | SRSSRS1608 |       |     | SRSSRS1609 |      |     | SRSSRS1610 |       |      |                   |
| 2V9A2L                                 | 32.8   | 1.4  | 0.3 | 59.5       | 0.5   | 0.3 | 35.7       | 0.3   | 0.3 | 12.3       | 0.1  | 0.4 | 104.3      | -0.6  | 0.2  |                   |
|  |  | 7.0  | 0.3 |            | 4.6   | 0.5 |            | 7.3   | 0.6 |            | 0.3  | 0.3 |            | -10.3 | 0.6  |                   |
| BYXYDC                                 | 27.0   | 0.2  | 0.9 | 53.0       | -0.2  | 1.5 | 117.7      | 3.6   | 1.3 | 14.0       | 1.0  | 1.5 | 124.0      | 0.6   | 1.4  |                   |
|  |  | 1.2  | 1.0 |            | -1.9  | 2.6 |            | 89.3  | 2.5 |            | 1.9  | 1.0 |            | 9.4   | 4.4  |                   |
| UJH8JT                                 | 27.6   | 0.4  | 0.7 | 60.7       | 0.6   | 0.3 | 28.4       | 0.0   | 0.2 | 12.0       | 0.0  | 1.0 | 118.6      | 0.2   | 0.1  |                   |
|  |  | 1.8  | 0.8 |            | 5.8   | 0.5 |            | 0.0   | 0.4 |            | 0.0  | 0.6 |            | 4.0   | 0.2  |                   |
| ETFYA8                                 | 17.8   | -1.6 | 0.4 | 54.5       | 0.0   | 0.4 | 20.7       | -0.3  | 0.5 | 10.1       | -1.0 | 0.5 | 114.6      | 0.0   | 0.6  |                   |
|  |  | -8.0 | 0.4 |            | -0.4  | 0.8 |            | -7.6  | 1.0 |            | -2.0 | 0.3 |            | 0.0   | 1.8  |                   |
| QHLKDT                                 | 25.7   | 0.0  | 1.2 | 42.6       | -1.2  | 2.2 | 25.3       | -0.1  | 0.9 | 13.0       | 0.4  | 1.1 | 130.6      | 1.0   | 3.5  |                   |
|  |  | -0.1 | 1.4 |            | -12.3 | 3.8 |            | -3.0  | 1.7 |            | 0.9  | 0.7 |            | 16.0  | 11.1 |                   |
| NM37AU                                 | 27.5   | 0.3  | 1.1 | 60.2       | 0.5   | 2.0 | 22.0       | -0.3  | 1.4 | 13.8       | 0.9  | 1.3 | 126.7      | 0.7   | 1.6  |                   |
|  |  | 1.7  | 1.3 |            | 5.3   | 3.5 |            | -6.4  | 2.7 |            | 1.8  | 0.8 |            | 12.1  | 5.0  |                   |
| WP3AEN                                 | 17.4   | -1.7 | 0.4 | 57.0       | 0.2   | 1.1 | 23.3       | -0.2  | 0.6 | 4.1        | -3.9 | 0.2 | 111.6      | -0.2  | 0.4  |                   |
|  |  | -8.4 | 0.4 |            | 2.1   | 2.0 |            | -5.1  | 1.1 |            | -8.0 | 0.1 |            | -3.0  | 1.3  |                   |
| 9JB2YB                                 | 24.3   | -0.3 | 0.6 | 44.4       | -1.0  | 0.6 | 15.5       | -0.5  | 0.3 | 11.0       | -0.5 | 0.1 | 118.3      | 0.2   | 0.2  |                   |
|  |  | -1.5 | 0.6 |            | -10.5 | 1.0 |            | -12.9 | 0.5 |            | -1.1 | 0.0 |            | 3.7   | 0.6  |                   |
| PD8M9Q                                 | 30.2   | 0.9  | 1.2 | 47.3       | -0.7  | 1.8 | 26.1       | -0.1  | 2.4 | 11.7       | -0.2 | 1.2 | 110.0      | -0.3  | 1.4  |                   |
|  |  | 4.4  | 1.3 |            | -7.6  | 3.1 |            | -2.3  | 4.5 |            | -0.4 | 0.8 |            | -4.6  | 4.4  |                   |
| 4XUXCD                                 | 20.3   | -1.1 | 0.5 | 52.0       | -0.3  | 1.0 | 34.3       | 0.2   | 0.3 | 12.0       | 0.0  | 0.0 | 88.0       | -1.6  | 0.8  |                   |
|  |  | -5.5 | 0.6 |            | -2.9  | 1.7 |            | 6.0   | 0.6 |            | -0.1 | 0.0 |            | -26.6 | 2.6  |                   |
| HML4ZY                                 | 26.3   | 0.1  | 0.5 | 60.3       | 0.5   | 0.7 | 31.3       | 0.1   | 0.3 | 12.0       | 0.0  | 0.0 | 122.3      | 0.5   | 0.7  |                   |
|  |  | 0.5  | 0.6 |            | 5.4   | 1.2 |            | 3.0   | 0.6 |            | -0.1 | 0.0 |            | 7.7   | 2.3  |                   |
| JDB3EY                                 | 26.7   | 0.2  | 1.0 | 44.3       | -1.0  | 0.8 | 99.3       | 2.8   | 0.6 | 10.1       | -1.0 | 0.5 | 105.7      | -0.5  | 0.8  |                   |
|  |  | 0.9  | 1.2 |            | -10.6 | 1.4 |            | 70.9  | 1.1 |            | -2.0 | 0.3 |            | -8.9  | 2.4  |                   |
| N7UE8P                                 | 28.7   | 0.6  | 0.7 | 62.0       | 0.7   | 0.0 | 29.5       | 0.0   | 0.2 | 11.4       | -0.3 | 0.5 | 100.8      | -0.8  | 0.5  |                   |
|  |  | 2.9  | 0.8 |            | 7.1   | 0.1 |            | 1.1   | 0.4 |            | -0.7 | 0.4 |            | -13.8 | 1.7  |                   |
| 9P39J6                                 | 37.0   | 2.3  | 0.4 | 67.2       | 1.2   | 0.4 | 23.0       | -0.2  | 0.2 | 15.0       | 1.4  | 0.5 | 154.6      | 2.4   | 0.1  |                   |
|  |  | 11.2 | 0.4 |            | 12.3  | 0.6 |            | -5.4  | 0.3 |            | 2.9  | 0.3 |            | 40.0  | 0.3  |                   |
| VMZPEH                                 | 25.8   | 0.0  | 1.2 | 54.9       | 0.0   | 0.6 | 24.3       | -0.2  | 0.3 | 11.4       | -0.3 | 0.7 | 116.7      | 0.1   | 0.5  |                   |
|  |  | 0.0  | 1.4 |            | 0.0   | 1.0 |            | -4.1  | 0.7 |            | -0.6 | 0.5 |            | 2.1   | 1.5  |                   |
| E8KYJY                                 | 25.7   | 0.0  | 1.3 | 66.0       | 1.1   | 0.6 | 35.0       | 0.3   | 0.5 | 10.7       | -0.7 | 0.9 | 121.0      | 0.4   | 1.1  |                   |
|  |  | -0.1 | 1.5 |            | 11.1  | 1.0 |            | 6.6   | 1.0 |            | -1.4 | 0.6 |            | 6.4   | 3.6  |                   |
| 9GTK67                                 | 24.0   | -0.4 | 0.0 | 65.0       | 1.0   | 0.6 | 35.3       | 0.3   | 0.8 | 13.7       | 0.8  | 0.9 | 120.7      | 0.4   | 0.7  |                   |
|  |  | -1.8 | 0.0 |            | 10.1  | 1.0 |            | 7.0   | 1.5 |            | 1.6  | 0.6 |            | 6.1   | 2.1  |                   |
| Q2DTBN                                 | 26.7   | 0.2  | 0.2 | 58.7       | 0.4   | 0.1 | 37.5       | 0.4   | 0.1 | 13.7       | 0.8  | 0.3 | 137.5      | 1.4   | 0.7  |                   |
|  |  | 0.9  | 0.3 |            | 3.8   | 0.3 |            | 9.1   | 0.3 |            | 1.6  | 0.2 |            | 22.9  | 2.2  |                   |
| GC6ZFU                                 | 24.7   | -0.2 | 0.5 | 46.7       | -0.8  | 0.9 | 111.7      | 3.3   | 1.1 | 14.0       | 1.0  | 2.7 | 127.3      | 0.8   | 0.7  |                   |
|  |  | -1.1 | 0.6 |            | -8.2  | 1.5 |            | 83.3  | 2.1 |            | 1.9  | 1.7 |            | 12.7  | 2.1  |                   |
| 3B3GB8                                 | 30.2   | 0.9  | 0.3 | 61.7       | 0.7   | 0.8 | 36.5       | 0.3   | 1.4 | 12.5       | 0.2  | 0.8 | 102.0      | -0.8  | 0.0  |                   |
|  |  | 4.4  | 0.3 |            | 6.8   | 1.4 |            | 8.1   | 2.6 |            | 0.4  | 0.5 |            | -12.6 | 0.0  |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|-------------|---------|---------|-------------|---------|---------|--------------|---------|---------|-------------|---------|---------|--------------|---------|---------|
|                          | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference   |         | W/L STD | Difference  |         | W/L STD | Difference   |         | W/L STD |
| <b>ZT92XC</b>            | <b>28.2</b> | 0.5     | 1.0     | <b>60.0</b> | 0.5     | 0.3     | <b>21.1</b>  | -0.3    | 1.2     | <b>12.2</b> | 0.1     | 0.9     | <b>91.1</b>  | -1.4    | 0.6     |
|                          |             | 2.4     | 1.1     |             | 5.1     | 0.5     |              | -7.3    | 2.3     |             | 0.2     | 0.6     |              | -23.5   | 2.0     |
| <b>V3RMFD</b>            | <b>26.7</b> | 0.2     | 1.0     | <b>64.7</b> | 1.0     | 0.9     | <b>21.0</b>  | -0.3    | 0.9     | <b>14.0</b> | 1.0     |         | <b>133.7</b> | 1.1     | 0.8     |
|                          |             | 0.9     | 1.2     |             | 9.8     | 1.5     |              | -7.4    | 1.7     |             | 1.9     | 0.0     |              | 19.1    | 2.5     |
| <b>PZ7RCJ</b>            | <b>22.8</b> | -0.6    | 0.2     | <b>63.1</b> | 0.8     | 0.4     | <b>25.6</b>  | -0.1    | 0.5     | <b>11.0</b> | -0.5    | 0.3     | <b>109.3</b> | -0.3    | 0.7     |
|                          |             | -3.0    | 0.2     |             | 8.2     | 0.7     |              | -2.7    | 1.0     |             | -1.1    | 0.2     |              | -5.3    | 2.1     |
| <b>K4H7TN</b>            | <b>23.0</b> | -0.6    |         | <b>54.3</b> | -0.1    | 0.3     | <b>30.0</b>  | 0.1     |         | <b>14.0</b> | 1.0     | 1.5     | <b>107.3</b> | -0.4    | 0.2     |
|                          |             | -2.8    | 0.0     |             | -0.6    | 0.6     |              | 1.6     | 0.0     |             | 1.9     | 1.0     |              | -7.3    | 0.6     |
| <b>ACVHGX</b>            | <b>8.7</b>  | -3.5    | 0.3     | <b>10.7</b> | -4.4    | 0.4     | <b>13.4</b>  | -0.6    | 0.8     | <b>4.6</b>  | -3.7    | 0.4     | <b>21.3</b>  | -5.6    | 0.6     |
|                          |             | -17.1   | 0.3     |             | -44.2   | 0.8     |              | -15.0   | 1.5     |             | -7.4    | 0.3     |              | -93.3   | 2.0     |
| <b>HX3QCL</b>            | <b>25.0</b> | -0.2    | 2.3     | <b>49.7</b> | -0.5    | 0.3     | <b>108.7</b> | 3.2     | 2.9     | <b>13.0</b> | 0.5     | 1.5     | <b>112.3</b> | -0.1    | 0.8     |
|                          |             | -0.8    | 2.6     |             | -5.2    | 0.6     |              | 80.3    | 5.5     |             | 0.9     | 1.0     |              | -2.3    | 2.5     |
| <b>HU3FFL</b>            | <b>38.8</b> | 2.7     | 2.7     | <b>33.8</b> | -2.1    | 0.3     | <b>14.6</b>  | -0.5    | 0.2     | <b>13.4</b> | 0.6     | 0.6     | <b>136.6</b> | 1.3     | 0.8     |
|                          |             | 13.0    | 3.2     |             | -21.1   | 0.4     |              | -13.8   | 0.3     |             | 1.3     | 0.4     |              | 22.1    | 2.6     |
| <b>9KRXTW</b>            | <b>22.9</b> | -0.6    | 0.6     | <b>49.6</b> | -0.5    | 2.2     | <b>32.7</b>  | 0.2     | 0.6     | <b>12.1</b> | 0.0     | 1.6     | <b>113.3</b> | -0.1    | 0.5     |
|                          |             | -2.9    | 0.7     |             | -5.3    | 3.8     |              | 4.3     | 1.2     |             | 0.0     | 1.1     |              | -1.3    | 1.5     |
| <b>Grand Median</b>      |             | 25.8    |         | 54.9        |         |         | 28.4         |         |         | 12.1        |         |         | 114.6        |         |         |
| <b>Median Abs Dev</b>    |             | 1.8     |         | 5.8         |         |         | 6.6          |         |         | 1.1         |         |         | 8.9          |         |         |
| <b>Avg Within Lab SD</b> |             | 1.2     |         | 1.7         |         |         | 1.9          |         |         | 0.7         |         |         | 3.2          |         |         |
| <b>Labs Included</b>     |             | 27      |         | 27          |         |         | 27           |         |         | 27          |         |         | 27           |         |         |
| <b>Labs Reporting</b>    |             | 27      |         | 27          |         |         | 27           |         |         | 27          |         |         | 27           |         |         |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Bray P (1:7) (SubTestCode 134) | in the Phosphorus and Sulfur Property Groups |      |     |             |       |     |             |      |     |             |      |     | Data units: mg/kg |       |     |
|--------------------------------------|--|------|-----|-------------|-------|-----|-------------|------|-----|-------------|------|-----|-------------------|-------|-----|
|                                      | SRSSRS1606                                   |      |     | SRSSRS1607  |       |     | SRSSRS1608  |      |     | SRSSRS1609  |      |     | SRSSRS1610        |       |     |
| <b>9G9ZXE</b>                        | <b>22.1</b>                                  | 0.0  | 0.3 | <b>51.2</b> | 0.4   | 0.6 | <b>24.0</b> | -0.1 | 0.1 | <b>9.1</b>  | 0.0  | 0.5 | <b>86.6</b>       | 0.0   | 1.2 |
|                                      |  | -0.2 | 0.4 |             | 3.9   | 1.1 |             | -0.3 | 0.4 |             | -0.1 | 0.3 |                   | 0.0   | 2.8 |
| <b>LU92FX</b>                        | <b>22.3</b>                                  | 0.0  | 2.4 | <b>50.7</b> | 0.4   | 1.9 | <b>24.3</b> | 0.0  | 2.0 | <b>8.7</b>  | -0.2 | 2.0 | <b>68.7</b>       | -0.9  | 1.0 |
|                                      |  | 0.0  | 4.0 |             | 3.3   | 3.5 |             | 0.0  | 5.1 |             | -0.5 | 1.2 |                   | -18.0 | 2.3 |
| <b>PD8M9Q</b>                        | <b>30.2</b>                                  | 0.7  | 0.8 | <b>47.3</b> | 0.0   | 1.7 | <b>26.1</b> | 0.7  | 1.7 | <b>11.7</b> | 0.9  | 1.4 | <b>110.0</b>      | 1.1   | 1.8 |
|                                      |  | 7.9  | 1.3 |             | 0.0   | 3.1 |             | 1.7  | 4.5 |             | 2.5  | 0.8 |                   | 23.3  | 4.4 |
| <b>3HG3JC</b>                        | <b>18.0</b>                                  | -0.4 |     | <b>46.0</b> | -0.1  |     | <b>22.0</b> | -1.0 |     | <b>4.0</b>  | -1.8 |     | <b>77.0</b>       | -0.5  |     |
|                                      |  | -4.3 | 0.0 |             | -1.3  | 0.0 |             | -2.3 | 0.0 |             | -5.2 | 0.0 |                   | -9.7  | 0.0 |
| <b>EJR4AR</b>                        | <b>27.4</b>                                  | 0.4  | 0.2 | <b>60.5</b> | 1.5   | 0.1 | <b>27.4</b> | 1.3  | 0.2 | <b>10.0</b> | 0.3  | 0.8 | <b>104.3</b>      | 0.8   | 0.2 |
|                                      |  | 5.1  | 0.4 |             | 13.1  | 0.2 |             | 3.1  | 0.5 |             | 0.8  | 0.4 |                   | 17.7  | 0.6 |
| <b>6UNU32</b>                        | <b>58.9</b>                                  | 3.1  | 0.6 | <b>27.2</b> | -2.3  | 0.3 | <b>22.7</b> | -0.7 | 0.1 | <b>13.4</b> | 1.5  | 0.4 | <b>117.0</b>      | 1.4   | 0.8 |
|                                      |  | 36.5 | 1.1 |             | -20.1 | 0.5 |             | -1.7 | 0.2 |             | 4.2  | 0.2 |                   | 30.4  | 1.9 |
| <b>D79YPQ</b>                        | <b>21.0</b>                                  | -0.1 | 0.4 | <b>47.1</b> | 0.0   | 0.2 | <b>26.7</b> | 1.0  | 0.1 | <b>9.2</b>  | 0.0  | 0.4 | <b>86.7</b>       | 0.0   | 0.8 |
|                                      |  | -1.3 | 0.8 |             | -0.2  | 0.4 |             | 2.3  | 0.3 |             | 0.0  | 0.2 |                   | 0.0   | 1.8 |
| <b>Grand Median</b>                  |  | 22.3 |     | 47.3        |       |     | 24.3        |      |     | 9.19        |      |     | 86.7              |       |     |
| <b>Median Abs Dev</b>                |  | 4.3  |     | 3.3         |       |     | 1.7         |      |     | 0.81        |      |     | 17.7              |       |     |
| <b>Avg Within Lab SD</b>             |  | 1.7  |     | 1.8         |       |     | 2.6         |      |     | 0.58        |      |     | 2.4               |       |     |
| <b>Labs Included</b>                 |  | 7    |     | 7           |       |     | 7           |      |     | 7           |      |     | 7                 |       |     |
| <b>Labs Reporting</b>                |  | 7    |     | 7           |       |     | 7           |      |     | 7           |      |     | 7                 |       |     |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) | in the Phosphorus and Sulfur Property Groups |            |            |             |            |            |             |            |            |             |            |            |             |            |            | Data units: mg/kg |
|---|--|------------|------------|-------------|------------|------------|-------------|------------|------------|-------------|------------|------------|-------------|------------|------------|-------------------|
|   | SRSSRS1606                                   | SRSSRS1607 | SRSSRS1608 | SRSSRS1609  | SRSSRS1610 | SRSSRS1606 | SRSSRS1607  | SRSSRS1608 | SRSSRS1609 | SRSSRS1610  | SRSSRS1606 | SRSSRS1607 | SRSSRS1608  | SRSSRS1609 | SRSSRS1610 |                   |
| <b>2V9A2L</b>                               | <b>11.1</b>                                  | -0.1       | 0.5        | <b>17.9</b> | -0.6       | 0.4        | <b>47.3</b> | 0.0        | 0.4        | <b>8.5</b>  | -0.3       | 1.0        | <b>20.1</b> | -0.8       | 0.2        |                   |
|   |  | -0.4       | 0.4        |             | -2.4       | 0.6        |             | 0.2        | 0.8        |             | -0.8       | 0.9        |             | -5.5       | 0.4        |                   |
| <b>9G9ZXE</b>                               | <b>8.9</b>                                   | -0.8       | 0.8        | <b>14.1</b> | -1.4       | 1.0        | <b>40.0</b> | -0.8       | 1.8        | <b>6.6</b>  | -1.2       | 0.7        | <b>14.9</b> | -1.5       | 1.3        |                   |
|   |  | -2.6       | 0.6        |             | -6.2       | 1.4        |             | -7.2       | 3.9        |             | -2.6       | 0.6        |             | -10.7      | 2.2        |                   |
| <b>7LQLUF</b>                               | <b>11.4</b>                                  | 0.0        | 1.9        | <b>19.1</b> | -0.3       | 0.6        | <b>45.4</b> | -0.2       | 1.0        | <b>10.4</b> | 0.5        | 0.8        | <b>28.9</b> | 0.5        | 1.3        |                   |
|   |  | -0.1       | 1.5        |             | -1.2       | 0.8        |             | -1.7       | 2.2        |             | 1.1        | 0.7        |             | 3.3        | 2.1        |                   |
| <b>ETFYA8</b>                               | <b>24.5</b>                                  | 4.0        | 1.7        | <b>21.6</b> | 0.3        | 0.3        | <b>54.4</b> | 0.8        | 0.8        | <b>9.6</b>  | 0.1        | 1.2        | <b>27.6</b> | 0.3        | 0.8        |                   |
|   |  | 12.9       | 1.3        |             | 1.3        | 0.4        |             | 7.2        | 1.8        |             | 0.3        | 1.0        |             | 2.0        | 1.3        |                   |
| <b>WN8QDL</b>                               | <b>8.5</b>                                   | -0.9       | 0.5        | <b>18.7</b> | -0.4       | 0.4        | <b>42.8</b> | -0.5       | 1.0        | <b>7.7</b>  | -0.7       | 0.3        | <b>25.3</b> | 0.0        | 1.0        |                   |
|   |  | -3.0       | 0.4        |             | -1.6       | 0.5        |             | -4.3       | 2.2        |             | -1.5       | 0.3        |             | -0.3       | 1.7        |                   |
| <b>NM37AU</b>                               | <b>12.4</b>                                  | 0.3        | 0.6        | <b>20.1</b> | 0.0        | 0.7        | <b>43.7</b> | -0.4       | 0.7        | <b>8.8</b>  | -0.2       | 0.6        | <b>25.6</b> | 0.0        | 0.6        |                   |
|   |  | 0.9        | 0.5        |             | -0.2       | 1.1        |             | -3.5       | 1.5        |             | -0.4       | 0.5        |             | -0.1       | 1.1        |                   |
| <b>LU92FX</b>                               | <b>13.3</b>                                  | 0.6        | 0.7        | <b>20.7</b> | 0.1        | 2.8        | <b>49.7</b> | 0.3        | 1.5        | <b>11.7</b> | 1.1        | 2.5        | <b>28.0</b> | 0.3        | 1.6        |                   |
|   |  | 1.8        | 0.6        |             | 0.4        | 4.0        |             | 2.5        | 3.2        |             | 2.4        | 2.1        |             | 2.4        | 2.6        |                   |
| <b>WP3AEN</b>                               | <b>9.0</b>                                   | -0.8       | 0.7        | <b>21.7</b> | 0.3        | 0.4        | <b>32.7</b> | -1.7       | 0.7        | <b>9.2</b>  | 0.0        | 0.4        | <b>27.4</b> | 0.3        | 0.5        |                   |
|   |  | -2.5       | 0.6        |             | 1.4        | 0.6        |             | -14.5      | 1.5        |             | -0.1       | 0.3        |             | 1.8        | 0.9        |                   |
| <b>9JB2YB</b>                               | <b>8.2</b>                                   | -1.0       | 0.2        | <b>25.6</b> | 1.2        | 0.0        | <b>38.8</b> | -1.0       | 0.7        | <b>8.8</b>  | -0.2       | 0.0        | <b>36.0</b> | 1.5        | 0.2        |                   |
|   |  | -3.3       | 0.2        |             | 5.3        | 0.0        |             | -8.4       | 1.5        |             | -0.5       | 0.0        |             | 10.4       | 0.3        |                   |
| <b>PD8M9Q</b>                               | <b>12.6</b>                                  | 0.3        | 1.1        | <b>20.5</b> | 0.0        | 0.9        | <b>42.9</b> | -0.5       | 1.3        | <b>8.2</b>  | -0.5       | 0.5        | <b>23.0</b> | -0.4       | 0.8        |                   |
|   |  | 1.1        | 0.9        |             | 0.2        | 1.2        |             | -4.3       | 2.8        |             | -1.1       | 0.4        |             | -2.6       | 1.4        |                   |
| <b>4XUXCD</b>                               | <b>10.3</b>                                  | -0.4       | 0.7        | <b>18.3</b> | -0.5       | 0.4        | <b>44.3</b> | -0.3       | 0.5        | <b>7.7</b>  | -0.7       | 0.7        | <b>25.7</b> | 0.0        | 0.7        |                   |
|   |  | -1.2       | 0.6        |             | -2.0       | 0.6        |             | -2.8       | 1.2        |             | -1.6       | 0.6        |             | 0.1        | 1.2        |                   |
| <b>Z9LAXF</b>                               | <b>20.7</b>                                  | 2.8        | 0.7        | <b>29.3</b> | 2.1        | 2.1        | <b>52.7</b> | 0.6        | 2.3        | <b>14.3</b> | 2.3        | 0.7        | <b>37.7</b> | 1.7        | 0.3        |                   |
|   |  | 9.1        | 0.6        |             | 9.0        | 3.1        |             | 5.5        | 4.9        |             | 5.1        | 0.6        |             | 12.1       | 0.6        |                   |
| <b>KG6H4X</b>                               | <b>10.6</b>                                  | -0.3       | 0.1        | <b>18.4</b> | -0.4       | 1.3        | <b>39.2</b> | -0.9       | 1.2        | <b>9.0</b>  | -0.1       | 0.4        | <b>19.3</b> | -0.9       | 2.1        |                   |
|   |  | -0.9       | 0.0        |             | -1.9       | 1.8        |             | -8.0       | 2.6        |             | -0.3       | 0.3        |             | -6.3       | 3.6        |                   |
| <b>ZTQT9G</b>                               | <b>13.2</b>                                  | 0.5        | 1.1        | <b>25.4</b> | 1.2        | 0.4        | <b>51.2</b> | 0.5        | 0.7        | <b>11.6</b> | 1.1        | 0.5        | <b>30.0</b> | 0.6        | 0.8        |                   |
|   |  | 1.7        | 0.9        |             | 5.1        | 0.5        |             | 4.1        | 1.4        |             | 2.4        | 0.4        |             | 4.4        | 1.3        |                   |
| <b>HML4ZY</b>                               | <b>9.0</b>                                   | -0.8       | 0.1        | <b>19.8</b> | -0.1       | 0.2        | <b>50.3</b> | 0.4        | 0.1        | <b>8.8</b>  | -0.2       | 0.3        | <b>24.0</b> | -0.2       | 0.2        |                   |
|   |  | -2.5       | 0.1        |             | -0.5       | 0.3        |             | 3.2        | 0.1        |             | -0.4       | 0.3        |             | -1.6       | 0.3        |                   |
| <b>KJBZ3T</b>                               | <b>12.0</b>                                  | 0.1        | 0.0        | <b>20.0</b> | -0.1       | 0.0        | <b>34.3</b> | -1.5       | 0.3        | <b>12.3</b> | 1.4        | 0.7        | <b>25.0</b> | -0.1       | 0.6        |                   |
|   |  | 0.5        | 0.0        |             | -0.3       | 0.0        |             | -12.8      | 0.6        |             | 3.1        | 0.6        |             | -0.6       | 1.0        |                   |
| <b>E8KYJY</b>                               | <b>9.0</b>                                   | -0.8       | 0.0        | <b>16.7</b> | -0.8       | 1.1        | <b>41.0</b> | -0.7       | 0.8        | <b>8.0</b>  | -0.6       | 0.0        | <b>21.7</b> | -0.6       | 0.7        |                   |
|   |  | -2.5       | 0.0        |             | -3.7       | 1.5        |             | -6.2       | 1.7        |             | -1.3       | 0.0        |             | -4.0       | 1.2        |                   |
| <b>2ZLAYD</b>                               | <b>13.7</b>                                  | 0.7        | 3.2        | <b>19.0</b> | -0.3       | 0.0        | <b>47.3</b> | 0.0        | 0.7        | <b>12.7</b> | 1.5        | 1.8        | <b>21.7</b> | -0.6       | 0.7        |                   |
|   |  | 2.1        | 2.5        |             | -1.3       | 0.0        |             | 0.2        | 1.5        |             | 3.4        | 1.5        |             | -4.0       | 1.2        |                   |
| <b>9GTK67</b>                               | <b>9.8</b>                                   | -0.5       | 0.4        | <b>24.3</b> | 0.9        | 0.8        | <b>49.0</b> | 0.2        | 0.5        | <b>10.7</b> | 0.6        | 0.7        | <b>29.9</b> | 0.6        | 0.7        |                   |
|   |  | -1.7       | 0.3        |             | 4.0        | 1.2        |             | 1.8        | 1.0        |             | 1.4        | 0.6        |             | 4.3        | 1.2        |                   |
| <b>V3RMFD</b>                               | <b>11.7</b>                                  | 0.0        | 0.7        | <b>16.7</b> | -0.8       | 0.4        | <b>42.7</b> | -0.5       | 0.7        | <b>10.0</b> | 0.3        | 1.2        | <b>30.7</b> | 0.7        | 0.7        |                   |
|   |  | 0.1        | 0.6        |             | -3.7       | 0.6        |             | -4.5       | 1.5        |             | 0.7        | 1.0        |             | 5.1        | 1.2        |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>RF99BG</b>            | <b>10.0</b>        | -0.5    |         | <b>18.3</b>        | -0.5    | 0.4     | <b>45.0</b>        | -0.3    | 0.5     | <b>8.6</b>         | -0.3    | 0.4     | <b>22.0</b>        | -0.5    |         |
|                          |                    | -1.5    | 0.0     |                    | -2.0    | 0.6     |                    | -2.2    | 1.0     |                    | -0.7    | 0.4     |                    | -3.6    | 0.0     |
| <b>K4H7TN</b>            | <b>9.0</b>         | -0.8    |         | <b>29.0</b>        | 2.0     |         | <b>58.3</b>        | 1.3     | 0.7     | <b>12.0</b>        | 1.2     | 1.2     | <b>44.0</b>        | 2.6     | 0.6     |
|                          |                    | -2.5    | 0.0     |                    | 8.7     | 0.0     |                    | 11.2    | 1.5     |                    | 2.7     | 1.0     |                    | 18.4    | 1.0     |
| <b>Y26GAB</b>            | <b>16.3</b>        | 1.5     | 0.5     | <b>26.0</b>        | 1.3     | 0.3     | <b>75.0</b>        | 3.3     | 0.2     | <b>10.4</b>        | 0.5     | 0.0     | <b>19.6</b>        | -0.9    | 0.1     |
|                          |                    | 4.7     | 0.4     |                    | 5.7     | 0.4     |                    | 27.8    | 0.5     |                    | 1.2     | 0.0     |                    | -6.0    | 0.2     |
| <b>4TXAV7</b>            | <b>12.1</b>        | 0.2     |         | <b>21.9</b>        | 0.4     |         | <b>47.0</b>        | 0.0     |         | <b>9.4</b>         | 0.1     |         | <b>26.7</b>        | 0.2     |         |
|                          |                    | 0.6     | 0.0     |                    | 1.6     | 0.0     |                    | -0.2    | 0.0     |                    | 0.1     | 0.0     |                    | 1.1     | 0.0     |
| <b>EJR4AR</b>            | <b>11.7</b>        | 0.0     | 0.7     | <b>18.3</b>        | -0.5    | 0.4     | <b>49.3</b>        | 0.3     | 0.3     | <b>10.0</b>        | 0.3     |         | <b>21.7</b>        | -0.6    | 0.7     |
|                          |                    | 0.1     | 0.6     |                    | -2.0    | 0.6     |                    | 2.2     | 0.6     |                    | 0.7     | 0.0     |                    | -4.0    | 1.2     |
| <b>6UNU32</b>            | <b>13.6</b>        | 0.6     | 0.6     | <b>25.7</b>        | 1.2     | 1.8     | <b>61.5</b>        | 1.7     | 0.4     | <b>6.5</b>         | -1.2    | 1.7     | <b>33.9</b>        | 1.2     | 1.8     |
|                          |                    | 2.1     | 0.5     |                    | 5.4     | 2.6     |                    | 14.4    | 0.9     |                    | -2.7    | 1.4     |                    | 8.3     | 3.0     |
| <b>GPT3XM</b>            | <b>10.9</b>        | -0.2    | 1.6     | <b>18.8</b>        | -0.3    | 0.3     | <b>47.7</b>        | 0.1     | 0.7     | <b>6.6</b>         | -1.2    | 0.1     | <b>21.8</b>        | -0.5    | 0.4     |
|                          |                    | -0.7    | 1.3     |                    | -1.5    | 0.4     |                    | 0.6     | 1.6     |                    | -2.7    | 0.1     |                    | -3.8    | 0.7     |
| <b>D79YPQ</b>            | <b>12.0</b>        | 0.1     | 0.2     | <b>21.2</b>        | 0.2     | 0.1     | <b>51.5</b>        | 0.5     | 0.3     | <b>7.5</b>         | -0.8    | 0.1     | <b>23.0</b>        | -0.4    | 0.1     |
|                          |                    | 0.4     | 0.2     |                    | 0.8     | 0.1     |                    | 4.3     | 0.7     |                    | -1.7    | 0.1     |                    | -2.6    | 0.2     |
| <b>XJT9V6</b>            | <b>36.6</b>        | 7.7     | 7.9     | <b>45.3</b>        | 5.7     | 4.8     | <b>110.4</b>       | 7.4     | 6.8     | <b>19.8</b>        | 4.7     | 2.0     | <b>46.1</b>        | 2.9     | 2.2     |
|                          |                    | 25.1    | 6.3     |                    | 25.0    | 6.8     |                    | 63.2    | 14.6    |                    | 10.5    | 1.7     |                    | 20.5    | 3.6     |
| <b>HU3FFL</b>            | <b>13.4</b>        | 0.6     | 1.1     | <b>25.4</b>        | 1.2     | 0.2     | <b>52.8</b>        | 0.7     | 1.3     | <b>11.6</b>        | 1.1     | 1.1     | <b>36.2</b>        | 1.5     | 0.4     |
|                          |                    | 1.8     | 0.9     |                    | 5.1     | 0.3     |                    | 5.7     | 2.7     |                    | 2.4     | 0.9     |                    | 10.6    | 0.6     |
| <b>N6HFCF</b>            | <b>11.2</b>        | -0.1    | 1.3     | <b>24.6</b>        | 1.0     | 2.5     | <b>46.0</b>        | -0.1    | 2.3     | <b>9.3</b>         | 0.0     | 2.5     | <b>27.9</b>        | 0.3     | 2.9     |
|                          |                    | -0.4    | 1.0     |                    | 4.3     | 3.6     |                    | -1.2    | 4.9     |                    | 0.1     | 2.1     |                    | 2.3     | 4.9     |
| <b>Grand Median</b>      |                    | 11.5    |         |                    | 20.3    |         |                    | 47.2    |         |                    | 9.25    |         |                    | 25.6    |         |
| <b>Median Abs Dev</b>    |                    | 1.7     |         |                    | 2.0     |         |                    | 4.3     |         |                    | 1.22    |         |                    | 3.9     |         |
| <b>Avg Within Lab SD</b> |                    | 0.8     |         |                    | 1.4     |         |                    | 2.1     |         |                    | 0.83    |         |                    | 1.7     |         |
| <b>Labs Included</b>     |                    | 30      |         |                    | 30      |         |                    | 30      |         |                    | 30      |         |                    | 30      |         |
| <b>Labs Reporting</b>    |                    | 30      |         |                    | 30      |         |                    | 30      |         |                    | 30      |         |                    | 30      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P M. Morgan (SubTestCode 136) | in the Phosphorus and Sulfur Property Groups |      |             |      |               |      |             |      |              |      | Data units: mg/kg |
|-----------------------------------|--|------|-------------|------|---------------|------|-------------|------|--------------|------|-------------------|
|                                   | SRSSRS1606                                   |      | SRSSRS1607  |      | SRSSRS1608    |      | SRSSRS1609  |      | SRSSRS1610   |      |                   |
| <b>2V9A2L</b>                     | <b>40.50</b>                                 | 0.13 | <b>3.17</b> | 0.17 | <b>78.00</b>  |      | <b>0.92</b> | 0.09 | <b>8.50</b>  | 0.38 |                   |
|                                   |  | 0.50 |             | 0.03 |               | 0.00 |             | 0.03 |              | 0.17 |                   |
| <b>9WKG82</b>                     | <b>40.00</b>                                 | 1.68 | <b>1.17</b> | 1.72 | <b>75.50</b>  | 1.21 | <b>1.00</b> |      | <b>4.00</b>  | 1.11 |                   |
|                                   |  | 6.24 |             | 0.29 |               | 4.33 |             | 0.00 |              | 0.50 |                   |
| <b>EJR4AR</b>                     | <b>42.33</b>                                 | 0.41 | <b>5.00</b> |      | <b>100.00</b> | 0.74 | <b>2.33</b> | 1.73 | <b>10.67</b> | 1.28 |                   |
|                                   |  | 1.53 |             | 0.00 |               | 2.65 |             | 0.58 |              | 0.58 |                   |
| <b>Grand Median</b>               |  | 40.5 |             | 3.17 |               | 78.0 |             | 1.00 |              | 8.50 |                   |
| <b>Median Abs Dev</b>             |  |      |             |      |               |      |             |      |              |      |                   |
| <b>Avg Within Lab SD</b>          |  | 3.7  |             | 0.17 |               | 3.6  |             | 0.33 |              | 0.45 |                   |
| <b>Labs Included</b>              |  | 3    |             | 3    |               | 3    |             | 3    |              | 3    |                   |
| <b>Labs Reporting</b>             |  | 3    |             | 3    |               | 3    |             | 3    |              | 3    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Mod. Kelowna (SubTestCode 137) | in the Phosphorus and Sulfur Property Groups |      |             |      |              |      |             |      |             |      | Data units: mg/kg |
|--------------------------------------|--|------|-------------|------|--------------|------|-------------|------|-------------|------|-------------------|
|                                      | SRSSRS1606                                   |      | SRSSRS1607  |      | SRSSRS1608   |      | SRSSRS1609  |      | SRSSRS1610  |      |                   |
| <b>RF99BG</b>                        | <b>24.3</b>                                  | 1.4  | <b>46.0</b> | 1.4  | <b>110.0</b> |      | <b>12.0</b> | 1.4  | <b>86.0</b> | 1.4  |                   |
|                                      |  | 1.2  |             | 1.0  |              | 0.0  |             | 1.0  |             | 1.7  |                   |
| <b>4TXAV7</b>                        | <b>18.0</b>                                  | 0.0  | <b>37.1</b> | 0.0  | <b>86.0</b>  | 0.0  | <b>9.1</b>  | 0.0  | <b>76.0</b> | 0.0  |                   |
| <b>Grand Median</b>                  |  | 21.2 |             | 41.6 |              | 98.0 |             | 10.6 |             | 81.0 |                   |
| <b>Median Abs Dev</b>                |  |      |             |      |              |      |             |      |             |      |                   |
| <b>Avg Within Lab SD</b>             |  | 0.8  |             | 0.7  |              | 0.0  |             | 0.7  |             | 1.2  |                   |
| <b>Labs Included</b>                 |  | 2    |             | 2    |              | 2    |             | 2    |             | 2    |                   |
| <b>Labs Reporting</b>                |  | 2    |             | 2    |              | 2    |             | 2    |             | 2    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Strong Bray (1:10) (SubTestCode 138) | in the Phosphorus and Sulfur Property Groups |       |     |             |       |     |              |       |     |             |       |     | Data units: mg/kg |       |            |
|--|--|-------|-----|-------------|-------|-----|--------------|-------|-----|-------------|-------|-----|-------------------|-------|------------|
|  |  |       |     |             |       |     |              |       |     |             |       |     |                   |       | SRSSRS1606 |
| <b>2V9A2L</b>                              | <b>207.7</b>                                 | 0.7   | 0.2 | <b>87.3</b> | 0.1   | 0.2 | <b>213.0</b> | 0.2   | 0.5 | <b>68.0</b> | -0.1  |     | <b>123.7</b>      | -1.1  | 0.2        |
|  |  | 16.9  | 0.6 |             | 0.9   | 0.6 |              | 4.2   | 1.7 |             | -1.2  | 0.0 |                   | -24.3 | 0.6        |
| <b>ETFYA8</b>                              | <b>197.3</b>                                 | 0.3   | 0.7 | <b>72.0</b> | -2.0  | 0.5 | <b>237.4</b> | 1.3   | 0.2 | <b>75.8</b> | 0.6   | 0.8 | <b>157.0</b>      | 0.4   | 0.0        |
|  |  | 6.5   | 2.3 |             | -14.4 | 1.6 |              | 28.5  | 0.7 |             | 6.6   | 1.4 |                   | 9.0   | 0.1        |
| <b>NM37AU</b>                              | <b>174.4</b>                                 | -0.6  | 2.3 | <b>90.6</b> | 0.6   | 2.6 | <b>209.6</b> | 0.0   | 1.4 | <b>67.0</b> | -0.2  | 2.3 | <b>158.8</b>      | 0.5   | 1.7        |
|  |  | -16.4 | 7.6 |             | 4.2   | 7.6 |              | 0.8   | 4.5 |             | -2.2  | 3.9 |                   | 10.8  | 5.0        |
| <b>9JB2YB</b>                              | <b>200.6</b>                                 | 0.4   | 1.3 | <b>85.5</b> | -0.1  | 0.5 | <b>208.1</b> | 0.0   | 0.3 | <b>81.0</b> | 1.1   |     | <b>156.7</b>      | 0.4   | 0.7        |
|  |  | 9.8   | 4.1 |             | -0.9  | 1.4 |              | -0.8  | 0.9 |             | 11.8  | 0.0 |                   | 8.7   | 2.1        |
| <b>HML4ZY</b>                              | <b>184.3</b>                                 | -0.3  | 0.2 | <b>87.3</b> | 0.1   | 0.4 | <b>216.3</b> | 0.3   | 0.8 | <b>70.3</b> | 0.1   | 0.3 | <b>142.0</b>      | -0.3  | 1.5        |
|  |  | -6.5  | 0.6 |             | 0.9   | 1.2 |              | 7.5   | 2.5 |             | 1.2   | 0.6 |                   | -6.0  | 4.4        |
| <b>3HG3JC</b>                              | <b>205.0</b>                                 | 0.6   |     | <b>73.0</b> | -1.9  |     | <b>171.0</b> | -1.8  |     | <b>49.0</b> | -1.9  |     | <b>95.0</b>       | -2.4  |            |
|  |  | 14.2  | 0.0 |             | -13.4 | 0.0 |              | -37.9 | 0.0 |             | -20.2 | 0.0 |                   | -53.0 | 0.0        |
| <b>E8KYJY</b>                              | <b>161.3</b>                                 | -1.2  | 0.2 | <b>87.7</b> | 0.2   | 0.5 | <b>179.0</b> | -1.4  | 0.8 | <b>56.0</b> | -1.2  | 0.6 | <b>145.0</b>      | -0.1  | 0.9        |
|  |  | -29.5 | 0.6 |             | 1.2   | 1.5 |              | -29.9 | 2.6 |             | -13.2 | 1.0 |                   | -3.0  | 2.6        |
| <b>V3RMFD</b>                              | <b>153.3</b>                                 | -1.5  | 0.8 | <b>84.0</b> | -0.3  | 0.7 | <b>202.3</b> | -0.3  | 2.1 | <b>70.7</b> | 0.1   | 0.9 | <b>151.0</b>      | 0.1   | 1.3        |
|  |  | -37.5 | 2.5 |             | -2.4  | 2.0 |              | -6.5  | 6.8 |             | 1.5   | 1.5 |                   | 3.0   | 4.0        |
| <b>Grand Median</b>                        |  | 190.8 |     | 86.4        |       |     | 208.9        |       |     | 69.2        |       |     | 148.0             |       |            |
| <b>Median Abs Dev</b>                      |  | 15.3  |     | 1.8         |       |     | 7.0          |       |     | 4.4         |       |     | 8.9               |       |            |
| <b>Avg Within Lab SD</b>                   |  | 3.3   |     | 3.0         |       |     | 3.2          |       |     | 1.7         |       |     | 3.0               |       |            |
| <b>Labs Included</b>                       |  | 8     |     | 8           |       |     | 8            |       |     | 8           |       |     | 8                 |       |            |
| <b>Labs Reporting</b>                      |  | 8     |     | 8           |       |     | 8            |       |     | 8           |       |     | 8                 |       |            |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Water Soluble (SubTestCode 139) | in the Phosphorus and Sulfur Property Groups |              |             |              |              |              |             |              |             |              | Data units: mg/kg |
|---------------------------------------|--|--------------|-------------|--------------|--------------|--------------|-------------|--------------|-------------|--------------|-------------------|
| SRSSRS1606                            | SRSSRS1607                                   |              | SRSSRS1608  |              | SRSSRS1609   |              | SRSSRS1610  |              |             |              |                   |
| <b>BX698W</b>                         | <b>8.49</b>                                  | 1.00<br>0.14 | <b>1.60</b> | 1.00<br>0.06 | <b>15.73</b> | 1.00<br>0.57 | <b>1.11</b> | 1.00<br>0.08 | <b>5.34</b> | 1.00<br>0.13 |                   |
| <b>Grand Median</b>                   | 8.49   |              | 1.60        |              | 15.7         |              | 1.11        |              | 5.34        |              |                   |
| <b>Median Abs Dev</b>                 |  |              |             |              |              |              |             |              |             |              |                   |
| <b>Avg Within Lab SD</b>              | 0.14   |              | 0.06        |              | 0.6          |              | 0.08        |              | 0.13        |              |                   |
| <b>Labs Included</b>                  | 1  |              | 1           |              | 1            |              | 1           |              | 1           |              |                   |
| <b>Labs Reporting</b>                 | 1  |              | 1           |              | 1            |              | 1           |              | 1           |              |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SO4 - S (PO4 Extr.) (SubTestCode 140) | in the Phosphorus and Sulfur Property Groups |       |      |              |       |      |                 |           |        |               |        |      |              |       | Data units: mg/kg |  |  |
|---------------------------------------|--|-------|------|--------------|-------|------|-----------------|-----------|--------|---------------|--------|------|--------------|-------|-------------------|--|--|
|                                       | SRSSRS1606                                   |       |      | SRSSRS1607   |       |      | SRSSRS1608      |           |        | SRSSRS1609    |        |      | SRSSRS1610   |       |                   |  |  |
| <b>P2ZHHY</b>                         | <b>6.25</b>                                  | -0.59 | 0.30 | <b>13.00</b> | 0.61  | 0.45 | <b>662.25</b>   | -0.28     | 0.03   | <b>27.00</b>  | 0.12   | 0.16 | <b>10.50</b> | 0.18  | 0.75              |  |  |
|                                       |  | -3.75 | 0.25 |              | 3.14  | 0.50 |                 | -458.97   | 2.75   |               | 2.15   | 0.50 |              | 0.50  | 0.50              |  |  |
| <b>9G9ZXE</b>                         | <b>6.00</b>                                  | -0.63 | 1.71 | <b>9.00</b>  | -0.17 | 1.22 | <b>614.00</b>   | -0.31     | 0.45   | <b>17.10</b>  | -0.42  | 0.70 | <b>8.23</b>  | -0.63 | 0.82              |  |  |
|                                       |  | -4.00 | 1.42 |              | -0.86 | 1.35 |                 | -507.22   | 40.15  |               | -7.75  | 2.12 |              | -1.77 | 0.55              |  |  |
| <b>ETFYA8</b>                         | <b>8.12</b>                                  | -0.30 | 0.37 | <b>11.87</b> | 0.39  | 0.44 | <b>495.50</b>   | -0.38     | 0.10   | <b>29.71</b>  | 0.26   | 0.40 | <b>10.19</b> | 0.07  | 0.96              |  |  |
|                                       |  | -1.88 | 0.30 |              | 2.01  | 0.48 |                 | -625.72   | 8.75   |               | 4.86   | 1.22 |              | 0.19  | 0.64              |  |  |
| <b>WN8QDL</b>                         | <b>9.49</b>                                  | -0.08 | 0.52 | <b>9.86</b>  | 0.00  | 0.05 | <b>3,847.62</b> | 1.66      | 0.48   | <b>161.95</b> | 7.47   | 2.15 | <b>9.50</b>  | -0.18 | 0.32              |  |  |
|                                       |  | -0.51 | 0.43 |              | 0.00  | 0.05 |                 | 2,726.40  | 43.32  |               | 137.10 | 6.53 |              | -0.50 | 0.21              |  |  |
| <b>QHLKDT</b>                         | <b>14.32</b>                                 | 0.69  | 2.20 | <b>5.67</b>  | -0.82 | 0.87 | <b>1,350.44</b> | 0.14      | 0.82   | <b>13.89</b>  | -0.60  | 1.23 | <b>8.15</b>  | -0.66 | 0.60              |  |  |
|                                       |  | 4.32  | 1.83 |              | -4.19 | 0.96 |                 | 229.22    | 73.39  |               | -10.96 | 3.74 |              | -1.85 | 0.40              |  |  |
| <b>NM37AU</b>                         | <b>13.33</b>                                 | 0.53  | 1.39 | <b>11.67</b> | 0.35  | 2.09 | <b>6,783.33</b> | 3.45      | 3.59   | <b>28.00</b>  | 0.17   | 0.66 | <b>13.00</b> | 1.07  | 2.59              |  |  |
|                                       |  | 3.33  | 1.15 |              | 1.81  | 2.31 |                 | 5,662.11  | 322.54 |               | 3.15   | 2.00 |              | 3.00  | 1.73              |  |  |
| <b>9JB2YB</b>                         | <b>7.67</b>                                  | -0.37 | 0.07 | <b>7.87</b>  | -0.39 | 0.06 | <b>6,022.33</b> | 2.99      | 1.24   | <b>25.02</b>  | 0.01   | 0.14 | <b>8.28</b>  | -0.62 | 0.12              |  |  |
|                                       |  | -2.33 | 0.06 |              | -1.99 | 0.07 |                 | 4,901.11  | 111.43 |               | 0.17   | 0.41 |              | -1.72 | 0.08              |  |  |
| <b>PD8M9Q</b>                         | <b>18.63</b>                                 | 1.37  | 0.14 | <b>13.13</b> | 0.64  | 0.79 | <b>1,563.33</b> | 0.27      | 0.06   | <b>34.83</b>  | 0.54   | 3.10 | <b>12.67</b> | 0.96  | 0.48              |  |  |
|                                       |  | 8.63  | 0.12 |              | 3.27  | 0.87 |                 | 442.11    | 5.77   |               | 9.98   | 9.41 |              | 2.67  | 0.32              |  |  |
| <b>4XUXCD</b>                         | <b>10.00</b>                                 | 0.00  | 0.00 | <b>9.67</b>  | -0.04 | 0.52 | <b>1,758.33</b> | 0.39      | 0.16   | <b>13.33</b>  | -0.63  | 0.19 | <b>11.00</b> | 0.36  |                   |  |  |
|                                       |  | 0.00  | 0.00 |              | -0.19 | 0.58 |                 | 637.11    | 14.43  |               | -11.52 | 0.58 |              | 1.00  | 0.00              |  |  |
| <b>HML4ZY</b>                         | <b>6.33</b>                                  | -0.58 | 0.70 | <b>13.00</b> | 0.61  | 0.90 | <b>660.00</b>   | -0.28     | 0.17   | <b>27.67</b>  | 0.15   | 0.83 | <b>10.00</b> | 0.00  | 0.00              |  |  |
|                                       |  | -3.67 | 0.58 |              | 3.14  | 1.00 |                 | -461.22   | 15.00  |               | 2.82   | 2.52 |              | 0.00  | 0.00              |  |  |
| <b>VMZPEH</b>                         | <b>21.37</b>                                 | 1.80  | 0.98 | <b>14.17</b> | 0.84  | 0.29 | <b>382.93</b>   | -0.45     | 0.02   | <b>20.20</b>  | -0.25  | 0.77 | <b>10.83</b> | 0.30  | 1.27              |  |  |
|                                       |  | 11.37 | 0.81 |              | 4.31  | 0.32 |                 | -738.29   | 2.20   |               | -4.65  | 2.35 |              | 0.83  | 0.85              |  |  |
| <b>9GTK67</b>                         | <b>6.74</b>                                  | -0.52 | 0.45 | <b>8.31</b>  | -0.30 | 0.67 | <b>797.08</b>   | -0.20     | 0.76   | <b>24.85</b>  | 0.00   | 0.45 | <b>9.89</b>  | -0.04 | 1.24              |  |  |
|                                       |  | -3.26 | 0.38 |              | -1.55 | 0.74 |                 | -324.14   | 68.34  |               | 0.00   | 1.35 |              | -0.11 | 0.83              |  |  |
| <b>MFPVJN</b>                         | <b>12.33</b>                                 | 0.37  | 1.85 | <b>12.33</b> | 0.48  | 3.17 | <b>2,323.00</b> | 0.73      | 1.33   | <b>24.67</b>  | -0.01  | 0.50 | <b>9.67</b>  | -0.12 | 0.86              |  |  |
|                                       |  | 2.33  | 1.53 |              | 2.47  | 3.51 |                 | 1,201.78  | 119.88 |               | -0.18  | 1.53 |              | -0.33 | 0.58              |  |  |
| <b>6J7BH6</b>                         | <b>8.65</b>                                  | -0.21 | 1.42 | <b>14.96</b> | 1.00  | 1.09 | <b>1,075.78</b> | -0.03     | 1.27   | <b>30.90</b>  | 0.33   | 0.62 | <b>10.91</b> | 0.33  | 1.51              |  |  |
|                                       |  | -1.35 | 1.18 |              | 5.10  | 1.21 |                 | -45.44    | 114.56 |               | 6.05   | 1.87 |              | 0.91  | 1.01              |  |  |
| <b>V3RMFD</b>                         | <b>11.23</b>                                 | 0.19  | 0.47 | <b>4.94</b>  | -0.96 | 0.10 | <b>1,617.67</b> | 0.30      | 0.16   | <b>22.36</b>  | -0.14  | 1.17 | <b>11.12</b> | 0.40  | 0.31              |  |  |
|                                       |  | 1.23  | 0.39 |              | -4.92 | 0.11 |                 | 496.44    | 14.29  |               | -2.49  | 3.55 |              | 1.12  | 0.21              |  |  |
| <b>RF99BG</b>                         | <b>12.00</b>                                 | 0.32  | 1.21 | <b>5.50</b>  | -0.85 | 0.09 | <b>1,166.67</b> | 0.03      | 0.64   | <b>11.00</b>  | -0.76  | 0.33 | <b>7.53</b>  | -0.88 | 0.23              |  |  |
|                                       |  | 2.00  | 1.00 |              | -4.36 | 0.10 |                 | 45.44     | 57.74  |               | -13.85 | 1.00 |              | -2.47 | 0.15              |  |  |
| <b>K4H7TN</b>                         | <b>5.00</b>                                  | -0.79 | 0.00 | <b>7.00</b>  | -0.56 |      |                 |           |        | <b>31.67</b>  | 0.37   | 0.19 | <b>7.00</b>  | -1.07 |                   |  |  |
|                                       |  | -5.00 | 0.00 |              | -2.86 | 0.00 |                 |           |        |               | 6.82   | 0.58 |              | -3.00 | 0.00              |  |  |
| <b>4TXAV7</b>                         | <b>13.20</b>                                 | 0.51  |      | <b>6.50</b>  | -0.66 |      | <b>1,380.00</b> | 0.16      |        | <b>16.80</b>  | -0.44  |      | <b>7.70</b>  | -0.82 |                   |  |  |
|                                       |  | 3.20  | 0.00 |              | -3.36 | 0.00 |                 | 258.78    | 0.00   |               | -8.05  | 0.00 |              | -2.30 | 0.00              |  |  |
| <b>MZTJBK</b>                         | <b>21.80</b>                                 | 1.87  |      | <b>16.10</b> | 1.22  |      | <b>554.90</b>   | -0.35     |        | <b>25.20</b>  | 0.02   |      | <b>14.00</b> | 1.43  |                   |  |  |
|                                       |  | 11.80 | 0.00 |              | 6.24  | 0.00 |                 | -566.32   | 0.00   |               | 0.35   | 0.00 |              | 4.00  | 0.00              |  |  |
| <b>HU3FFL</b>                         | <b>3.13</b>                                  | -1.09 | 0.72 | <b>0.67</b>  | -1.80 | 0.35 | <b>90.61</b>    | -0.63     | 0.04   | <b>5.32</b>   | -1.06  | 0.39 | <b>1.77</b>  | -2.95 | 0.75              |  |  |
|                                       |  | -6.87 | 0.59 |              | -9.19 | 0.39 |                 | -1,030.61 | 3.33   |               | -19.53 | 1.17 |              | -8.23 | 0.50              |  |  |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>9KRXTW</b>            | <b>18.50</b>       | 1.35    | 1.21    | <b>17.30</b>       | 1.46    | 0.59    | <b>360.00</b>      | -0.46   | 0.07    | <b>17.47</b>       | -0.40   | 0.56    | <b>13.03</b>       | 1.09    | 2.12    |
|                          |                    | 8.50    | 1.00    |                    | 7.44    | 0.66    |                    | -761.22 | 6.00    |                    | -7.38   | 1.70    |                    | 3.03    | 1.42    |
| <b>Grand Median</b>      |                    | 10.00   |         |                    | 9.86    |         |                    | 1,121.2 |         |                    | 24.9    |         |                    | 10.00   |         |
| <b>Median Abs Dev</b>    |                    | 3.33    |         |                    | 3.14    |         |                    | 536.8   |         |                    | 6.0     |         |                    | 1.72    |         |
| <b>Avg Within Lab SD</b> |                    | 0.83    |         |                    | 1.11    |         |                    | 89.9    |         |                    | 3.0     |         |                    | 0.67    |         |
| <b>Labs Included</b>     |                    | 21      |         |                    | 21      |         |                    | 20      |         |                    | 21      |         |                    | 21      |         |
| <b>Labs Reporting</b>    |                    | 21      |         |                    | 21      |         |                    | 20      |         |                    | 21      |         |                    | 21      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K Ammonium Acetate (SubTestCode 141) |       |        | in the Bases (1:10) Property Groups |       |       |            |       |        |            |       |       |            |       |       | Data units: mg/kg |  |  |
|--------------------------------------|-------|--------|-------------------------------------|-------|-------|------------|-------|--------|------------|-------|-------|------------|-------|-------|-------------------|--|--|
| SRSSRS1606                           |       |        | SRSSRS1607                          |       |       | SRSSRS1608 |       |        | SRSSRS1609 |       |       | SRSSRS1610 |       |       |                   |  |  |
| 9G9ZXE                               | 847.3 | 0.7    | 0.4                                 | 129.7 | 0.3   | 0.3        | 606.0 | 0.5    | 0.8        | 103.7 | 0.0   | 0.4        | 91.0  | -0.2  | 0.7               |  |  |
|                                      |       | 83.1   | 11.0                                |       | 6.0   | 1.5        |       | 48.8   | 17.3       |       | 0.3   | 2.5        |       | -3.7  | 3.5               |  |  |
| BYXYDC                               | 648.9 | -1.0   | 0.3                                 | 107.8 | -0.9  | 1.5        | 457.2 | -1.0   | 0.1        | 96.0  | -0.6  | 0.6        | 94.3  | 0.0   | 0.9               |  |  |
|                                      |       | -115.3 | 7.1                                 |       | -15.9 | 7.3        |       | -100.0 | 2.7        |       | -7.3  | 3.4        |       | -0.4  | 4.5               |  |  |
| 7LQLUF                               | 774.9 | 0.1    | 0.3                                 | 114.4 | -0.5  | 2.2        | 544.2 | -0.1   | 0.3        | 103.9 | 0.0   | 5.2        | 82.7  | -0.7  | 4.3               |  |  |
|                                      |       | 10.7   | 8.2                                 |       | -9.2  | 10.5       |       | -13.0  | 7.9        |       | 0.6   | 30.3       |       | -12.0 | 20.4              |  |  |
| UJH8JT                               | 763.4 | 0.0    | 0.5                                 | 158.4 | 2.0   | 0.3        | 645.4 | 0.9    | 0.1        | 127.7 | 2.0   | 0.2        | 124.3 | 1.7   | 0.4               |  |  |
|                                      |       | -0.8   | 13.2                                |       | 34.7  | 1.3        |       | 88.2   | 2.9        |       | 24.3  | 1.1        |       | 29.6  | 1.7               |  |  |
| ETFYA8                               | 800.3 | 0.3    | 0.1                                 | 128.9 | 0.3   | 0.4        | 572.5 | 0.2    | 0.3        | 112.9 | 0.8   | 0.2        | 109.7 | 0.8   | 0.4               |  |  |
|                                      |       | 36.1   | 3.7                                 |       | 5.2   | 2.0        |       | 15.3   | 7.1        |       | 9.5   | 1.1        |       | 15.0  | 1.7               |  |  |
| WN8QDL                               | 721.6 | -0.4   | 0.4                                 | 148.0 | 1.4   | 0.2        | 384.8 | -1.7   | 0.3        | 100.9 | -0.2  | 0.1        | 83.8  | -0.6  | 0.2               |  |  |
|                                      |       | -42.6  | 9.4                                 |       | 24.4  | 0.8        |       | -172.4 | 7.4        |       | -2.5  | 0.7        |       | -10.9 | 1.1               |  |  |
| QHLKDT                               | 876.4 | 0.9    | 0.9                                 | 137.4 | 0.8   | 0.5        | 631.0 | 0.7    | 0.2        | 103.5 | 0.0   | 1.0        | 98.6  | 0.2   | 0.4               |  |  |
|                                      |       | 112.2  | 23.3                                |       | 13.8  | 2.6        |       | 73.8   | 5.2        |       | 0.2   | 6.0        |       | 3.9   | 2.1               |  |  |
| NM37AU                               | 642.0 | -1.0   | 1.4                                 | 168.3 | 2.6   | 2.6        | 563.7 | 0.1    | 0.5        | 115.7 | 1.0   | 0.4        | 117.0 | 1.3   | 1.0               |  |  |
|                                      |       | -122.2 | 34.4                                |       | 44.7  | 12.3       |       | 6.5    | 10.8       |       | 12.3  | 2.5        |       | 22.3  | 4.6               |  |  |
| LU92FX                               | 674.3 | -0.8   | 0.8                                 | 117.0 | -0.4  | 1.8        | 485.3 | -0.7   | 0.8        | 107.3 | 0.3   | 0.8        | 108.3 | 0.8   | 1.6               |  |  |
|                                      |       | -89.9  | 21.0                                |       | -6.7  | 8.7        |       | -71.9  | 18.9       |       | 4.0   | 4.5        |       | 13.6  | 7.5               |  |  |
| WP3AEN                               | 748.3 | -0.1   | 1.0                                 | 132.0 | 0.5   | 0.6        | 510.3 | -0.5   | 0.2        | 115.0 | 1.0   | 1.2        | 126.3 | 1.8   | 0.7               |  |  |
|                                      |       | -15.9  | 25.7                                |       | 8.3   | 3.0        |       | -46.9  | 4.5        |       | 11.7  | 7.2        |       | 31.6  | 3.2               |  |  |
| PD8M9Q                               | 788.8 | 0.2    | 0.6                                 | 135.6 | 0.7   | 2.5        | 548.7 | -0.1   | 0.4        | 100.8 | -0.2  | 0.6        | 92.5  | -0.1  | 1.2               |  |  |
|                                      |       | 24.6   | 14.7                                |       | 11.9  | 11.9       |       | -8.5   | 8.6        |       | -2.5  | 3.4        |       | -2.2  | 5.6               |  |  |
| 4XUXCD                               | 766.7 | 0.0    | 0.6                                 | 130.7 | 0.4   | 0.2        | 568.3 | 0.1    | 0.5        | 114.7 | 0.9   | 0.1        | 113.3 | 1.1   | 0.6               |  |  |
|                                      |       | 2.5    | 15.3                                |       | 7.0   | 1.2        |       | 11.1   | 10.4       |       | 11.3  | 0.6        |       | 18.6  | 2.9               |  |  |
| YM93AG                               | 784.7 | 0.2    | 0.2                                 | 133.6 | 0.6   | 0.4        | 557.2 | 0.0    | 0.4        | 103.0 | 0.0   | 0.3        | 95.4  | 0.0   | 0.5               |  |  |
|                                      |       | 20.5   | 5.1                                 |       | 9.9   | 1.9        |       | 0.0    | 8.1        |       | -0.3  | 1.5        |       | 0.7   | 2.4               |  |  |
| Z9LAXF                               | 896.0 | 1.1    | 0.4                                 | 105.7 | -1.0  | 0.2        | 928.0 | 3.6    | 4.2        | 91.0  | -1.0  | 0.3        | 81.3  | -0.8  | 0.3               |  |  |
|                                      |       | 131.8  | 9.6                                 |       | -18.0 | 1.2        |       | 370.8  | 95.7       |       | -12.3 | 2.0        |       | -13.4 | 1.5               |  |  |
| KG6H4X                               | 929.0 | 1.4    | 3.2                                 | 129.0 | 0.3   | 0.8        | 669.0 | 1.1    | 2.4        | 126.7 | 1.9   | 2.1        | 115.0 | 1.2   | 2.7               |  |  |
|                                      |       | 164.8  | 81.0                                |       | 5.3   | 4.0        |       | 111.8  | 55.0       |       | 23.3  | 12.5       |       | 20.3  | 13.0              |  |  |
| ZTQT9G                               | 918.7 | 1.3    | 0.3                                 | 133.7 | 0.6   | 1.1        | 699.7 | 1.4    | 0.5        | 103.3 | 0.0   | 0.1        | 91.7  | -0.2  | 0.4               |  |  |
|                                      |       | 154.5  | 7.6                                 |       | 10.0  | 5.1        |       | 142.5  | 11.5       |       | 0.0   | 0.6        |       | -3.0  | 2.1               |  |  |
| HML4ZY                               | 657.7 | -0.9   | 1.3                                 | 123.3 | 0.0   | 0.1        | 526.7 | -0.3   | 1.2        | 106.0 | 0.2   | 1.2        | 83.0  | -0.7  | 1.1               |  |  |
|                                      |       | -106.5 | 32.6                                |       | -0.3  | 0.6        |       | -30.5  | 27.6       |       | 2.7   | 7.0        |       | -11.7 | 5.3               |  |  |
| JDB3EY                               | 759.7 | 0.0    | 1.6                                 | 133.3 | 0.6   | 0.5        | 591.0 | 0.3    | 0.7        | 107.6 | 0.4   | 0.2        | 118.7 | 1.4   | 0.2               |  |  |
|                                      |       | -4.5   | 41.0                                |       | 9.7   | 2.3        |       | 33.8   | 16.6       |       | 4.3   | 1.0        |       | 24.0  | 1.0               |  |  |
| N7UE8P                               | 616.8 | -1.2   | 0.4                                 | 109.8 | -0.8  | 0.1        | 510.6 | -0.5   | 0.3        | 106.4 | 0.3   | 0.2        | 94.7  | 0.0   | 0.3               |  |  |
|                                      |       | -147.4 | 9.1                                 |       | -13.9 | 0.4        |       | -46.6  | 6.4        |       | 3.0   | 1.0        |       | 0.0   | 1.7               |  |  |
| 3HG3JC                               | 599.0 | -1.4   |                                     | 93.0  | -1.8  |            | 338.0 | -2.2   |            | 74.0  | -2.4  |            | 66.0  | -1.6  |                   |  |  |
|                                      |       | -165.2 | 0.0                                 |       | -30.7 | 0.0        |       | -219.2 | 0.0        |       | -29.3 | 0.0        |       | -28.7 | 0.0               |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| ALP Program - Participant Web Summary Report - Cycle 30 |                |            |         |              |            |         |              |            |         |              |            |         |              |            |         |
|---|----------------|------------|---------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|
|   | 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 |
|   |                | Difference | W/L     | STD          | Difference | W/L     | STD          | Difference | W/L     | STD          | Difference | W/L     | STD          | Difference | W/L     |
| <b>VMZPEH</b>   | <b>706.6</b>   | -0.5       | 1.0     | <b>123.7</b> | 0.0        | 0.7     | <b>556.6</b> | 0.0        | 0.1     | <b>114.5</b> | 0.9        | 1.1     | <b>118.1</b> | 1.3        | 0.4     |
|   |                | -57.6      | 24.3    |              | 0.0        | 3.3     |              | -0.6       | 3.1     |              | 11.2       | 6.5     |              | 23.4       | 2.0     |
| <b>E8KYJY</b>   | <b>723.0</b>   | -0.3       | 0.2     | <b>125.0</b> | 0.1        | 0.6     | <b>525.0</b> | -0.3       | 0.3     | <b>107.0</b> | 0.3        | 0.6     | <b>100.8</b> | 0.3        | 0.4     |
|   |                | -41.2      | 6.0     |              | 1.3        | 2.6     |              | -32.2      | 7.5     |              | 3.7        | 3.6     |              | 6.1        | 2.0     |
| <b>2ZLAYD</b>   | <b>773.3</b>   | 0.1        | 0.2     | <b>118.3</b> | -0.3       | 2.2     | <b>570.0</b> | 0.1        |         | <b>86.0</b>  | -1.4       | 0.2     | <b>75.7</b>  | -1.1       | 0.5     |
|   |                | 9.1        | 5.8     |              | -5.3       | 10.4    |              | 12.8       | 0.0     |              | -17.3      | 1.0     |              | -19.0      | 2.3     |
| <b>9GTK67</b>   | <b>750.7</b>   | -0.1       | 0.3     | <b>126.0</b> | 0.1        | 0.6     | <b>516.0</b> | -0.4       | 0.2     | <b>108.3</b> | 0.4        | 0.4     | <b>106.7</b> | 0.7        | 1.0     |
|   |                | -13.5      | 8.3     |              | 2.3        | 2.6     |              | -41.2      | 4.0     |              | 5.0        | 2.5     |              | 12.0       | 4.5     |
| <b>Q2DTBN</b>   | <b>666.7</b>   | -0.8       | 0.4     | <b>114.3</b> | -0.5       | 0.2     | <b>464.3</b> | -0.9       | 0.1     | <b>96.1</b>  | -0.6       | 0.2     | <b>98.5</b>  | 0.2        | 0.1     |
|   |                | -97.5      | 9.7     |              | -9.3       | 1.2     |              | -92.9      | 2.1     |              | -7.2       | 1.4     |              | 3.8        | 0.5     |
| <b>GC6ZFU</b>   | <b>637.9</b>   | -1.1       | 0.2     | <b>105.9</b> | -1.0       | 1.2     | <b>450.4</b> | -1.1       | 0.3     | <b>97.6</b>  | -0.5       | 0.3     | <b>87.7</b>  | -0.4       | 0.7     |
|   |                | -126.3     | 4.4     |              | -17.7      | 5.8     |              | -106.8     | 7.6     |              | -5.8       | 1.9     |              | -7.0       | 3.3     |
| <b>2RDHVB</b>   | <b>765.0</b>   | 0.0        | 0.6     | <b>126.0</b> | 0.1        | 0.2     | <b>469.0</b> | -0.9       | 0.2     | <b>81.3</b>  | -1.8       | 0.4     | <b>78.0</b>  | -0.9       | 0.8     |
|   |                | 0.8        | 14.4    |              | 2.3        | 1.0     |              | -88.2      | 5.6     |              | -22.0      | 2.5     |              | -16.7      | 4.0     |
| <b>6J7BH6</b>   | <b>710.0</b>   | -0.5       | 0.2     | <b>121.5</b> | -0.1       | 0.3     | <b>546.0</b> | -0.1       | 0.2     | <b>98.2</b>  | -0.4       | 0.0     | <b>94.5</b>  | 0.0        | 0.1     |
|   |                | -54.2      | 5.0     |              | -2.2       | 1.3     |              | -11.2      | 3.6     |              | -5.2       | 0.2     |              | -0.2       | 0.5     |
| <b>ZT92XC</b>   | <b>1,064.5</b> | 2.5        | 1.1     | <b>130.5</b> | 0.4        | 0.4     | <b>658.4</b> | 1.0        | 0.9     | <b>109.9</b> | 0.5        | 0.5     | <b>108.5</b> | 0.8        | 0.1     |
|   |                | 300.3      | 26.7    |              | 6.9        | 1.9     |              | 101.2      | 21.5    |              | 6.5        | 3.1     |              | 13.8       | 0.5     |
| <b>V3RMFD</b>   | <b>727.3</b>   | -0.3       | 0.7     | <b>116.9</b> | -0.4       | 1.3     | <b>570.4</b> | 0.1        | 0.2     | <b>102.0</b> | -0.1       | 0.3     | <b>112.2</b> | 1.0        | 1.0     |
|   |                | -36.9      | 18.0    |              | -6.8       | 6.3     |              | 13.2       | 4.2     |              | -1.3       | 1.7     |              | 17.5       | 4.9     |
| <b>RF99BG</b>   | <b>786.7</b>   | 0.2        | 0.5     | <b>130.0</b> | 0.4        |         | <b>526.7</b> | -0.3       | 0.3     | <b>93.3</b>  | -0.8       | 0.1     | <b>86.7</b>  | -0.5       | 0.1     |
|   |                | 22.5       | 11.5    |              | 6.3        | 0.0     |              | -30.5      | 5.8     |              | -10.0      | 0.6     |              | -8.0       | 0.6     |
| <b>K4H7TN</b>   | <b>590.7</b>   | -1.5       | 0.4     | <b>123.3</b> | 0.0        | 0.5     | <b>484.3</b> | -0.7       | 0.6     | <b>114.0</b> | 0.9        | 0.5     | <b>95.0</b>  | 0.0        | 1.1     |
|   |                | -173.5     | 9.0     |              | -0.3       | 2.5     |              | -72.9      | 13.5    |              | 10.7       | 3.0     |              | 0.3        | 5.0     |
| <b>Y26GAB</b>   | <b>562.9</b>   | -1.7       | 0.5     | <b>116.7</b> | -0.4       | 0.3     | <b>423.1</b> | -1.3       | 0.3     | <b>79.2</b>  | -2.0       | 0.3     | <b>75.7</b>  | -1.1       | 0.3     |
|   |                | -201.3     | 12.4    |              | -6.9       | 1.5     |              | -134.1     | 6.6     |              | -24.1      | 1.7     |              | -19.0      | 1.6     |
| <b>4TXAV7</b>   | <b>962.0</b>   | 1.7        |         |              |            |         | <b>688.0</b> | 1.3        |         |              |            |         |              |            |         |
|   |                | 197.8      | 0.0     |              |            |         |              | 130.8      | 0.0     |              |            |         |              |            |         |
| <b>EJR4AR</b>   | <b>780.0</b>   | 0.1        | 0.8     | <b>115.3</b> | -0.5       | 0.5     | <b>569.3</b> | 0.1        | 0.3     | <b>103.0</b> | 0.0        | 0.3     | <b>91.0</b>  | -0.2       | 0.2     |
|   |                | 15.8       | 21.0    |              | -8.3       | 2.5     |              | 12.1       | 8.0     |              | -0.3       | 2.0     |              | -3.7       | 1.0     |
| <b>ACVHGX</b>   | <b>916.7</b>   | 1.3        | 0.7     | <b>140.5</b> | 1.0        | 2.0     | <b>603.7</b> | 0.5        | 0.8     | <b>104.0</b> | 0.1        | 0.4     | <b>99.2</b>  | 0.3        | 0.8     |
|   |                | 152.5      | 16.6    |              | 16.9       | 9.4     |              | 46.5       | 19.4    |              | 0.7        | 2.3     |              | 4.5        | 3.6     |
| <b>6UNU32</b>   | <b>767.7</b>   | 0.0        | 1.1     | <b>123.4</b> | 0.0        | 0.3     | <b>524.6</b> | -0.3       | 0.7     | <b>100.3</b> | -0.2       | 0.2     | <b>87.0</b>  | -0.4       | 0.6     |
|   |                | 3.5        | 26.9    |              | -0.3       | 1.7     |              | -32.6      | 15.1    |              | -3.0       | 1.4     |              | -7.7       | 2.9     |
| <b>GPT3XM</b>   | <b>1,006.3</b> | 2.0        | 0.7     | <b>147.4</b> | 1.4        | 0.8     | <b>695.7</b> | 1.4        | 0.7     | <b>112.1</b> | 0.7        | 0.4     | <b>108.5</b> | 0.8        | 0.5     |
|   |                | 242.1      | 18.2    |              | 23.7       | 3.7     |              | 138.5      | 16.5    |              | 8.7        | 2.5     |              | 13.8       | 2.2     |
| <b>D79YPQ</b>   | <b>744.8</b>   | -0.2       | 1.7     | <b>164.5</b> | 2.3        | 0.3     | <b>610.3</b> | 0.5        | 1.3     | <b>92.1</b>  | -0.9       | 0.5     | <b>84.8</b>  | -0.6       | 0.7     |
|   |                | -19.4      | 42.0    |              | 40.9       | 1.5     |              | 53.1       | 29.5    |              | -11.2      | 2.8     |              | -9.9       | 3.2     |
| <b>XJT9V6</b>   | <b>822.7</b>   | 0.5        | 0.1     | <b>119.1</b> | -0.3       | 0.3     | <b>575.0</b> | 0.2        | 0.1     | <b>102.4</b> | -0.1       | 0.6     | <b>92.0</b>  | -0.2       | 0.2     |
|   |                | 58.5       | 3.0     |              | -4.6       | 1.4     |              | 17.8       | 3.0     |              | -0.9       | 3.4     |              | -2.7       | 1.0     |
| <b>HX3QCL</b>   | <b>646.4</b>   | -1.0       | 0.2     | <b>112.0</b> | -0.7       | 0.8     | <b>495.0</b> | -0.6       | 0.3     | <b>103.6</b> | 0.0        | 1.0     | <b>86.9</b>  | -0.4       | 0.3     |
|   |                | -117.8     | 4.3     |              | -11.6      | 3.6     |              | -62.2      | 5.8     |              | 0.3        | 5.8     |              | -7.8       | 1.3     |
| <b>HU3FFL</b>   | <b>766.3</b>   | 0.0        | 2.1     | <b>114.0</b> | -0.6       | 0.5     |              |            |         | <b>99.6</b>  | -0.3       | 0.5     | <b>109.6</b> | 0.8        | 0.7     |
|   |                | 2.1        | 53.3    |              | -9.7       | 2.4     |              |            |         |              | -3.7       | 3.2     |              | 14.9       | 3.1     |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>N6HFCF</b>            | <b>793.0</b>       | 0.2     | 3.1     | <b>100.3</b>       | -1.3    | 0.3     | <b>639.0</b>       | 0.8     | 2.8     | <b>77.2</b>        | -2.2    | 0.6     | <b>65.5</b>        | -1.7    | 0.3     |
|                          |                    | 28.8    | 77.5    |                    | -23.4   | 1.6     |                    | 81.8    | 63.9    |                    | -26.1   | 3.6     |                    | -29.2   | 1.5     |
| <b>9KRXTW</b>            | <b>742.3</b>       | -0.2    | 0.3     | <b>109.7</b>       | -0.8    | 0.7     | <b>579.0</b>       | 0.2     | 1.5     | <b>99.3</b>        | -0.3    | 0.1     | <b>99.3</b>        | 0.3     | 0.3     |
|                          |                    | -21.9   | 6.7     |                    | -14.0   | 3.5     |                    | 21.8    | 34.0    |                    | -4.0    | 0.6     |                    | 4.6     | 1.5     |
| <b>Grand Median</b>      |                    | 764.2   |         |                    | 123.7   |         |                    | 557.2   |         |                    | 103.3   |         |                    | 94.7    |         |
| <b>Median Abs Dev</b>    |                    | 55.9    |         |                    | 9.2     |         |                    | 46.9    |         |                    | 5.2     |         |                    | 11.7    |         |
| <b>Avg Within Lab SD</b> |                    | 25.4    |         |                    | 4.8     |         |                    | 23.0    |         |                    | 5.9     |         |                    | 4.7     |         |
| <b>Labs Included</b>     |                    | 44      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |
| <b>Labs Reporting</b>    |                    | 44      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ca Ammonium Acetate (SubTestCode 142) |                |          | in the Bases (1:10) Property Groups |                |        |            |                 |           |            |                |        |            |              |       | Data units: mg/kg |  |  |
|---------------------------------------|----------------|----------|-------------------------------------|----------------|--------|------------|-----------------|-----------|------------|----------------|--------|------------|--------------|-------|-------------------|--|--|
| SRSSRS1606                            |                |          | SRSSRS1607                          |                |        | SRSSRS1608 |                 |           | SRSSRS1609 |                |        | SRSSRS1610 |              |       |                   |  |  |
| <b>9G9ZXE</b>                         | <b>3,601.0</b> | -0.7     | 0.3                                 | <b>868.0</b>   | -0.2   | 0.1        | <b>17,660.7</b> | 0.3       | 0.8        | <b>1,101.3</b> | -0.6   | 0.3        | <b>591.3</b> | -0.7  | 0.4               |  |  |
|                                       |                | -643.7   | 76.5                                |                | -29.5  | 2.6        |                 | 1,594.0   | 1,192.3    |                | -105.6 | 30.6       |              | -79.1 | 15.6              |  |  |
| <b>BYXYDC</b>                         | <b>3,297.9</b> | -1.0     | 0.3                                 | <b>752.8</b>   | -1.0   | 0.8        | <b>11,287.1</b> | -0.9      | 0.1        | <b>1,106.5</b> | -0.6   | 0.6        | <b>656.8</b> | -0.1  | 0.2               |  |  |
|                                       |                | -946.7   | 81.7                                |                | -144.7 | 22.7       |                 | -4,779.6  | 191.9      |                | -100.4 | 65.7       |              | -13.6 | 7.6               |  |  |
| <b>7LQLUF</b>                         | <b>5,377.0</b> | 1.2      | 5.5                                 | <b>844.3</b>   | -0.4   | 2.1        | <b>17,302.7</b> | 0.2       | 0.2        | <b>770.6</b>   | -2.6   | 5.8        | <b>786.7</b> | 1.1   | 4.5               |  |  |
|                                       |                | 1,132.3  | 1,617.9                             |                | -53.2  | 56.9       |                 | 1,236.0   | 343.7      |                | -436.3 | 656.2      |              | 116.3 | 172.7             |  |  |
| <b>UJH8JT</b>                         | <b>2,098.0</b> | -2.4     | 0.0                                 | <b>1,208.0</b> | 2.2    | 0.2        | <b>1,372.7</b>  | -2.6      | 0.0        | <b>1,470.0</b> | 1.6    | 0.2        | <b>825.0</b> | 1.4   | 0.3               |  |  |
|                                       |                | -2,146.7 | 4.6                                 |                | 310.5  | 5.0        |                 | -14,694.0 | 9.7        |                | 263.1  | 21.2       |              | 154.6 | 12.1              |  |  |
| <b>ETFYA8</b>                         | <b>4,750.0</b> | 0.6      | 0.3                                 | <b>970.6</b>   | 0.5    | 0.2        | <b>17,902.0</b> | 0.3       | 0.2        | <b>1,336.0</b> | 0.8    | 0.2        | <b>826.4</b> | 1.4   | 0.6               |  |  |
|                                       |                | 505.3    | 97.5                                |                | 73.1   | 5.7        |                 | 1,835.3   | 279.1      |                | 129.1  | 20.5       |              | 156.0 | 22.2              |  |  |
| <b>WN8QDL</b>                         | <b>3,834.0</b> | -0.5     | 0.2                                 | <b>1,107.1</b> | 1.5    | 0.7        | <b>7,644.3</b>  | -1.5      | 0.1        | <b>1,429.5</b> | 1.3    | 0.1        | <b>706.8</b> | 0.3   | 0.9               |  |  |
|                                       |                | -410.7   | 50.1                                |                | 209.6  | 17.8       |                 | -8,422.4  | 167.4      |                | 222.5  | 6.8        |              | 36.4  | 34.3              |  |  |
| <b>QHLKDT</b>                         | <b>4,313.9</b> | 0.1      | 0.7                                 | <b>977.7</b>   | 0.6    | 1.7        | <b>13,539.0</b> | -0.5      | 0.6        | <b>1,181.2</b> | -0.2   | 0.3        | <b>643.9</b> | -0.2  | 0.9               |  |  |
|                                       |                | 69.2     | 210.7                               |                | 80.2   | 46.0       |                 | -2,527.6  | 994.4      |                | -25.7  | 28.9       |              | -26.5 | 32.8              |  |  |
| <b>NM37AU</b>                         | <b>4,317.3</b> | 0.1      | 0.1                                 | <b>958.3</b>   | 0.4    | 1.7        | <b>16,066.7</b> | 0.0       | 0.1        | <b>1,247.0</b> | 0.2    | 0.1        | <b>777.7</b> | 1.0   | 0.3               |  |  |
|                                       |                | 72.7     | 17.1                                |                | 60.8   | 45.8       |                 | 0.0       | 223.0      |                | 40.1   | 14.4       |              | 107.3 | 10.1              |  |  |
| <b>LU92FX</b>                         | <b>3,318.7</b> | -1.0     | 0.3                                 | <b>816.7</b>   | -0.6   | 1.2        | <b>10,963.3</b> | -0.9      | 0.2        | <b>1,322.7</b> | 0.7    | 0.9        | <b>699.7</b> | 0.3   | 0.9               |  |  |
|                                       |                | -926.0   | 93.4                                |                | -80.8  | 32.7       |                 | -5,103.3  | 347.0      |                | 115.7  | 96.5       |              | 29.3  | 33.6              |  |  |
| <b>WP3AEN</b>                         | <b>4,300.3</b> | 0.1      | 0.4                                 | <b>911.7</b>   | 0.1    | 0.5        | <b>17,143.3</b> | 0.2       | 0.2        | <b>1,215.3</b> | 0.1    | 0.1        | <b>635.7</b> | -0.3  | 0.2               |  |  |
|                                       |                | 55.7     | 120.4                               |                | 14.2   | 12.6       |                 | 1,076.7   | 341.2      |                | 8.4    | 9.5        |              | -34.7 | 9.5               |  |  |
| <b>9JB2YB</b>                         | <b>4,064.7</b> | -0.2     | 0.1                                 | <b>1,063.6</b> | 1.2    | 0.6        | <b>7,530.3</b>  | -1.5      | 0.0        | <b>1,276.3</b> | 0.4    | 0.1        | <b>781.7</b> | 1.0   | 0.3               |  |  |
|                                       |                | -180.0   | 20.3                                |                | 166.1  | 15.6       |                 | -8,536.3  | 14.6       |                | 69.4   | 7.6        |              | 111.3 | 11.8              |  |  |
| <b>PD8M9Q</b>                         | <b>4,631.2</b> | 0.4      | 0.3                                 | <b>987.8</b>   | 0.6    | 0.7        | <b>12,972.6</b> | -0.6      | 0.3        | <b>1,155.8</b> | -0.3   | 0.2        | <b>666.1</b> | 0.0   | 1.0               |  |  |
|                                       |                | 386.6    | 83.6                                |                | 90.3   | 19.9       |                 | -3,094.1  | 446.7      |                | -51.2  | 21.7       |              | -4.3  | 37.1              |  |  |
| <b>4XUXCD</b>                         | <b>4,516.7</b> | 0.3      | 0.1                                 | <b>1,028.3</b> | 0.9    | 0.8        | <b>12,306.7</b> | -0.7      | 5.9        | <b>1,340.0</b> | 0.8    | 0.1        | <b>771.7</b> | 0.9   | 0.7               |  |  |
|                                       |                | 272.0    | 28.9                                |                | 130.8  | 20.2       |                 | -3,760.0  | 9,090.5    |                | 133.1  | 10.0       |              | 101.3 | 25.7              |  |  |
| <b>YM93AG</b>                         | <b>3,986.0</b> | -0.3     | 0.2                                 | <b>947.1</b>   | 0.3    | 0.6        | <b>12,163.3</b> | -0.7      | 0.1        | <b>1,204.3</b> | 0.0    | 0.4        | <b>624.0</b> | -0.4  | 0.1               |  |  |
|                                       |                | -258.7   | 69.9                                |                | 49.6   | 17.3       |                 | -3,903.3  | 110.6      |                | -2.6   | 40.4       |              | -46.4 | 3.2               |  |  |
| <b>Z9LAXF</b>                         | <b>5,860.0</b> | 1.8      | 0.2                                 | <b>1,060.0</b> | 1.1    |            | <b>28,266.7</b> | 2.2       | 1.7        | <b>1,286.7</b> | 0.5    | 0.4        | <b>695.0</b> | 0.2   | 0.2               |  |  |
|                                       |                | 1,615.3  | 72.1                                |                | 162.5  | 0.0        |                 | 12,200.0  | 2,602.6    |                | 79.7   | 40.4       |              | 24.6  | 8.7               |  |  |
| <b>KG6H4X</b>                         | <b>4,895.0</b> | 0.7      | 2.6                                 | <b>1,075.0</b> | 1.2    | 2.4        | <b>19,400.0</b> | 0.6       | 1.1        | <b>1,495.0</b> | 1.7    | 1.5        | <b>785.0</b> | 1.1   | 3.3               |  |  |
|                                       |                | 650.3    | 755.0                               |                | 177.5  | 65.0       |                 | 3,333.3   | 1,700.0    |                | 288.1  | 165.0      |              | 114.6 | 124.0             |  |  |
| <b>ZTQT9G</b>                         | <b>3,993.7</b> | -0.3     | 0.8                                 | <b>853.0</b>   | -0.3   | 0.4        | <b>19,086.7</b> | 0.5       | 1.0        | <b>1,048.0</b> | -0.9   | 0.1        | <b>583.0</b> | -0.8  | 0.1               |  |  |
|                                       |                | -251.0   | 234.5                               |                | -44.5  | 11.5       |                 | 3,020.0   | 1,592.9    |                | -158.9 | 10.6       |              | -87.4 | 2.0               |  |  |
| <b>HML4ZY</b>                         | <b>3,020.0</b> | -1.4     | 0.4                                 | <b>856.7</b>   | -0.3   | 0.6        | <b>16,450.0</b> | 0.1       | 0.4        | <b>1,243.3</b> | 0.2    | 0.8        | <b>680.0</b> | 0.1   | 0.7               |  |  |
|                                       |                | -1,224.7 | 127.7                               |                | -40.8  | 15.3       |                 | 383.3     | 606.7      |                | 36.4   | 92.9       |              | 9.6   | 26.5              |  |  |
| <b>JDB3EY</b>                         | <b>3,576.0</b> | -0.7     | 0.5                                 | <b>768.3</b>   | -0.9   | 0.5        | <b>10,459.0</b> | -1.0      | 0.3        | <b>972.3</b>   | -1.4   | 0.2        | <b>703.0</b> | 0.3   | 0.5               |  |  |
|                                       |                | -668.7   | 143.2                               |                | -129.2 | 14.6       |                 | -5,607.7  | 428.1      |                | -234.6 | 24.7       |              | 32.6  | 18.4              |  |  |
| <b>N7UE8P</b>                         | <b>4,217.7</b> | 0.0      | 0.0                                 | <b>912.1</b>   | 0.1    | 0.2        | <b>15,778.7</b> | -0.1      | 0.1        | <b>1,323.7</b> | 0.7    | 0.2        | <b>756.0</b> | 0.8   | 0.1               |  |  |
|                                       |                | -27.0    | 14.0                                |                | 14.6   | 4.5        |                 | -288.0    | 219.7      |                | 116.7  | 20.3       |              | 85.6  | 4.6               |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|               | 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 |     |              |        |       |  |  |              |              |        |      |  |  |  |
|---------------|----------------|------------|---------|-------------|---------|------------|----------------|---------|---------|-------------|---------|---------|-----------------|------------|---------|-----|--------------|--------|-------|--|--|--------------|--------------|--------|------|--|--|--|
|               |                | Difference | W/L     | STD         |         | Difference | W/L            | STD     |         | Difference  | W/L     | STD     |                 | Difference | W/L     | STD |              |        |       |  |  |              |              |        |      |  |  |  |
| <b>3HG3JC</b> | <b>3,614.0</b> | -0.7       |         |             |         |            | <b>714.0</b>   | -1.3    |         |             |         |         | <b>10,684.0</b> | -1.0       |         |     | <b>908.0</b> | -1.8   |       |  |  | <b>452.0</b> | -2.0         |        |      |  |  |  |
|               |                | -630.7     | 0.0     |             |         | 0.0        |                | -183.5  | 0.0     |             |         |         |                 | -5,382.7   | 0.0     |     |              | -298.9 | 0.0   |  |  |              |              | -218.4 | 0.0  |  |  |  |
| <b>VMZPEH</b> | <b>4,423.8</b> | 0.2        | 0.5     |             |         |            | <b>819.9</b>   | -0.5    | 1.2     |             |         |         | <b>17,694.2</b> | 0.3        | 0.3     |     |              | 0.8    | 0.3   |  |  |              | <b>785.9</b> | 1.1    | 0.8  |  |  |  |
|               |                | 179.2      | 144.8   |             |         | 31.5       |                | -77.6   | 31.5    |             |         |         |                 | 1,627.5    | 443.3   |     |              | 129.4  | 32.2  |  |  |              |              | 115.5  | 29.4 |  |  |  |
| <b>E8KYJY</b> | <b>4,196.3</b> | -0.1       | 0.2     |             |         |            | <b>946.7</b>   | 0.3     | 0.7     |             |         |         | <b>16,263.3</b> | 0.0        | 0.2     |     |              | 0.2    | 0.1   |  |  |              | <b>661.7</b> | -0.1   | 0.5  |  |  |  |
|               |                | -48.3      | 45.5    |             |         | 18.8       |                | 49.2    | 18.8    |             |         |         |                 | 196.7      | 280.4   |     |              | 38.7   | 16.3  |  |  |              |              | -8.7   | 18.9 |  |  |  |
| <b>2ZLAYD</b> | <b>3,600.0</b> | -0.7       |         |             |         |            | <b>856.7</b>   | -0.3    | 0.4     |             |         |         | <b>16,000.0</b> | 0.0        |         |     |              | -1.2   |       |  |  |              | <b>621.7</b> | -0.5   | 0.2  |  |  |  |
|               |                | -644.7     | 0.0     |             |         | 11.5       |                | -40.8   | 11.5    |             |         |         |                 | -66.7      | 0.0     |     |              | -206.9 | 0.0   |  |  |              |              | -48.7  | 7.6  |  |  |  |
| <b>9GTK67</b> | <b>3,975.0</b> | -0.3       | 0.2     |             |         |            | <b>920.6</b>   | 0.2     | 0.2     |             |         |         | <b>14,981.7</b> | -0.2       | 0.2     |     |              | -0.6   | 0.3   |  |  |              | <b>685.5</b> | 0.1    | 1.0  |  |  |  |
|               |                | -269.7     | 69.9    |             |         | 4.4        |                | 23.1    | 4.4     |             |         |         |                 | -1,084.9   | 283.0   |     |              | -103.0 | 32.7  |  |  |              |              | 15.1   | 36.1 |  |  |  |
| <b>Q2DTBN</b> | <b>3,763.7</b> | -0.5       | 0.1     |             |         |            | <b>799.7</b>   | -0.7    | 0.2     |             |         |         | <b>13,888.3</b> | -0.4       | 0.0     |     |              | -0.3   | 0.0   |  |  |              | <b>713.3</b> | 0.4    | 0.1  |  |  |  |
|               |                | -481.0     | 36.3    |             |         | 6.7        |                | -97.8   | 6.7     |             |         |         |                 | -2,178.3   | 68.3    |     |              | -54.9  | 5.2   |  |  |              |              | 42.9   | 3.8  |  |  |  |
| <b>GC6ZFU</b> | <b>3,562.1</b> | -0.8       | 0.9     |             |         |            | <b>832.6</b>   | -0.5    | 0.3     |             |         |         | <b>11,592.2</b> | -0.8       | 0.4     |     |              | 0.0    | 0.4   |  |  |              | <b>618.7</b> | -0.5   | 0.3  |  |  |  |
|               |                | -682.6     | 263.5   |             |         | 7.1        |                | -64.9   | 7.1     |             |         |         |                 | -4,474.5   | 674.7   |     |              | 2.3    | 42.9  |  |  |              |              | -51.7  | 10.3 |  |  |  |
| <b>2RDHVB</b> | <b>4,461.0</b> | 0.2        | 0.8     |             |         |            | <b>963.0</b>   | 0.5     | 2.3     |             |         |         | <b>15,141.0</b> | -0.2       | 0.8     |     |              | -0.1   | 0.8   |  |  |              | <b>578.7</b> | -0.8   | 0.6  |  |  |  |
|               |                | 216.3      | 240.3   |             |         | 61.6       |                | 65.5    | 61.6    |             |         |         |                 | -925.7     | 1,203.7 |     |              | -24.9  | 94.9  |  |  |              |              | -91.7  | 24.1 |  |  |  |
| <b>ZT92XC</b> | <b>4,854.1</b> | 0.7        | 0.3     |             |         |            | <b>914.8</b>   | 0.1     | 0.9     |             |         |         | <b>20,177.5</b> | 0.7        | 0.6     |     |              | 0.0    | 1.3   |  |  |              | <b>658.9</b> | -0.1   | 1.2  |  |  |  |
|               |                | 609.4      | 93.1    |             |         | 23.4       |                | 17.3    | 23.4    |             |         |         |                 | 4,110.8    | 887.0   |     |              | -3.8   | 148.8 |  |  |              |              | -11.5  | 44.7 |  |  |  |
| <b>V3RMFD</b> | <b>4,269.7</b> | 0.0        | 0.3     |             |         |            | <b>758.4</b>   | -1.0    | 1.3     |             |         |         | <b>17,172.3</b> | 0.2        | 0.3     |     |              | 0.0    | 0.1   |  |  |              | <b>742.3</b> | 0.7    | 0.9  |  |  |  |
|               |                | 25.0       | 91.7    |             |         | 35.3       |                | -139.1  | 35.3    |             |         |         |                 | 1,105.7    | 436.5   |     |              | -2.3   | 10.3  |  |  |              |              | 71.9   | 33.6 |  |  |  |
| <b>RF99BG</b> | <b>4,866.7</b> | 0.7        | 0.4     |             |         |            | <b>883.3</b>   | -0.1    | 0.8     |             |         |         | <b>18,000.0</b> | 0.3        |         |     |              | -0.6   |       |  |  |              | <b>583.3</b> | -0.8   | 0.2  |  |  |  |
|               |                | 622.0      | 115.5   |             |         | 20.8       |                | -14.2   | 20.8    |             |         |         |                 | 1,933.3    | 0.0     |     |              | -106.9 | 0.0   |  |  |              |              | -87.1  | 5.8  |  |  |  |
| <b>K4H7TN</b> | <b>4,219.7</b> | 0.0        | 0.6     |             |         |            | <b>787.7</b>   | -0.8    | 0.9     |             |         |         | <b>11,876.0</b> | -0.7       | 0.1     |     |              | 1.7    | 0.1   |  |  |              | <b>634.0</b> | -0.3   | 0.5  |  |  |  |
|               |                | -25.0      | 184.5   |             |         | 24.5       |                | -109.8  | 24.5    |             |         |         |                 | -4,190.7   | 186.0   |     |              | 284.4  | 6.5   |  |  |              |              | -36.4  | 19.0 |  |  |  |
| <b>Y26GAB</b> | <b>3,428.2</b> | -0.9       | 0.2     |             |         |            | <b>815.4</b>   | -0.6    | 0.1     |             |         |         | <b>8,707.0</b>  | -1.3       | 0.3     |     |              | -1.3   | 0.4   |  |  |              | <b>540.2</b> | -1.2   | 0.1  |  |  |  |
|               |                | -816.4     | 61.4    |             |         | 1.9        |                | -82.1   | 1.9     |             |         |         |                 | -7,359.6   | 405.8   |     |              | -224.0 | 46.2  |  |  |              |              | -130.2 | 2.7  |  |  |  |
| <b>4TXAV7</b> | <b>5,351.0</b> | 1.2        |         |             |         |            | <b>1,014.0</b> | 0.8     |         |             |         |         | <b>18,677.0</b> | 0.5        |         |     |              | 0.0    |       |  |  |              | <b>657.0</b> | -0.1   |      |  |  |  |
|               |                | 1,106.3    | 0.0     |             |         | 0.0        |                | 116.5   | 0.0     |             |         |         |                 | 2,610.3    | 0.0     |     |              | 3.1    | 0.0   |  |  |              |              | -13.4  | 0.0  |  |  |  |
| <b>EJR4AR</b> | <b>4,080.0</b> | -0.2       | 0.4     |             |         |            | <b>773.3</b>   | -0.9    | 2.6     |             |         |         | <b>17,860.0</b> | 0.3        | 0.1     |     |              | -0.7   | 0.1   |  |  |              | <b>566.7</b> | -1.0   | 0.3  |  |  |  |
|               |                | -164.7     | 131.1   |             |         | 70.2       |                | -124.2  | 70.2    |             |         |         |                 | 1,793.3    | 190.8   |     |              | -120.3 | 11.5  |  |  |              |              | -103.7 | 11.5 |  |  |  |
| <b>ACVHGX</b> | <b>5,520.7</b> | 1.4        | 0.6     |             |         |            | <b>988.4</b>   | 0.6     | 0.7     |             |         |         | <b>18,702.6</b> | 0.5        | 0.1     |     |              | 0.3    | 0.4   |  |  |              | <b>674.7</b> | 0.0    | 0.5  |  |  |  |
|               |                | 1,276.0    | 174.2   |             |         | 19.3       |                | 90.9    | 19.3    |             |         |         |                 | 2,635.9    | 196.9   |     |              | 51.0   | 41.3  |  |  |              |              | 4.3    | 19.3 |  |  |  |
| <b>6UNU32</b> | <b>4,734.4</b> | 0.5        | 0.3     |             |         |            | <b>851.7</b>   | -0.3    | 0.3     |             |         |         | <b>18,867.3</b> | 0.5        | 0.2     |     |              | -0.3   | 0.5   |  |  |              | <b>575.5</b> | -0.9   | 0.4  |  |  |  |
|               |                | 489.7      | 102.6   |             |         | 8.4        |                | -45.8   | 8.4     |             |         |         |                 | 2,800.7    | 362.4   |     |              | -45.2  | 59.8  |  |  |              |              | -94.9  | 17.0 |  |  |  |
| <b>GPT3XM</b> | <b>5,097.1</b> | 0.9        | 0.1     |             |         |            | <b>1,005.3</b> | 0.8     | 0.7     |             |         |         | <b>5,647.6</b>  | -1.9       | 0.0     |     |              | 1.2    | 1.2   |  |  |              | <b>684.4</b> | 0.1    | 0.3  |  |  |  |
|               |                | 852.4      | 22.1    |             |         | 19.6       |                | 107.8   | 19.6    |             |         |         |                 | -10,419.1  | 0.9     |     |              | 196.7  | 138.7 |  |  |              |              | 14.0   | 11.8 |  |  |  |
| <b>D79YPQ</b> | <b>6,385.5</b> | 2.4        | 0.8     |             |         |            | <b>1,088.7</b> | 1.3     | 1.2     |             |         |         | <b>21,789.3</b> | 1.0        | 0.5     |     |              | -0.2   | 0.2   |  |  |              | <b>533.0</b> | -1.3   | 0.8  |  |  |  |
|               |                | 2,140.8    | 226.5   |             |         | 32.4       |                | 191.2   | 32.4    |             |         |         |                 | 5,722.7    | 851.5   |     |              | -25.2  | 24.3  |  |  |              |              | -137.4 | 28.9 |  |  |  |
| <b>XJT9V6</b> | <b>5,052.3</b> | 0.9        | 0.1     |             |         |            | <b>1,023.7</b> | 0.9     | 0.1     |             |         |         | <b>18,163.3</b> | 0.4        | 0.1     |     |              | 0.4    | 0.1   |  |  |              | <b>708.5</b> | 0.4    | 0.0  |  |  |  |
|               |                | 807.7      | 27.0    |             |         | 3.1        |                | 126.2   | 3.1     |             |         |         |                 | 2,096.7    | 162.9   |     |              | 67.1   | 8.0   |  |  |              |              | 38.1   | 1.8  |  |  |  |
| <b>HX3QCL</b> | <b>3,348.5</b> | -1.0       | 0.2     |             |         |            | <b>773.8</b>   | -0.9    | 0.8     |             |         |         | <b>11,576.2</b> | -0.8       | 0.0     |     |              | -0.3   | 0.2   |  |  |              | <b>610.2</b> | -0.6   | 0.4  |  |  |  |
|               |                | -896.2     | 53.3    |             |         | 21.8       |                | -123.7  | 21.8    |             |         |         |                 | -4,490.5   | 68.5    |     |              | -47.2  | 27.3  |  |  |              |              | -60.2  | 13.5 |  |  |  |
| <b>HU3FFL</b> | <b>4,699.3</b> | 0.5        | 0.5     |             |         |            | <b>870.7</b>   | -0.2    | 0.7     |             |         |         |                 |            |         |     |              | 0.4    | 0.2   |  |  |              | <b>848.3</b> | 1.6    | 0.6  |  |  |  |
|               |                | 454.7      | 153.2   |             |         | 19.4       |                | -26.8   | 19.4    |             |         |         |                 |            |         |     |              | 67.4   | 18.3  |  |  |              |              | 178.0  | 22.0 |  |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>N6HFCF</b>            | <b>3,259.3</b>     | -1.1    | 0.6     | <b>743.0</b>       | -1.1    | 0.1     | <b>25,213.3</b>    | 1.6     | 0.4     | <b>977.0</b>       | -1.4    | 0.5     | <b>509.0</b>       | -1.5    | 0.4     |
|                          | -985.3             | 179.7   |         | -154.5             | 3.6     |         | 9,146.7            | 565.8   |         | -229.9             | 55.5    |         | -161.4             | 14.9    |         |
| <b>9KRXTW</b>            | <b>4,291.7</b>     | 0.1     | 0.2     | <b>816.7</b>       | -0.6    | 0.6     | <b>17,082.7</b>    | 0.2     | 0.1     | <b>1,235.3</b>     | 0.2     | 0.1     | <b>769.3</b>       | 0.9     | 0.9     |
|                          | 47.0               | 61.5    |         | -80.8              | 15.5    |         | 1,016.0            | 137.5   |         | 28.4               | 7.5     |         | 98.9               | 33.5    |         |
| <b>Grand Median</b>      | 4,244.7            |         |         | 897.5              |         |         | 16,066.7           |         |         | 1,206.9            |         |         | 670.4              |         |         |
| <b>Median Abs Dev</b>    | 557.4              |         |         | 81.5               |         |         | 2,800.7            |         |         | 90.1               |         |         | 66.1               |         |         |
| <b>Avg Within Lab SD</b> | 293.4              |         |         | 26.9               |         |         | 1,550.3            |         |         | 112.3              |         |         | 38.0               |         |         |
| <b>Labs Included</b>     | 44                 |         |         | 44                 |         |         | 43                 |         |         | 44                 |         |         | 44                 |         |         |
| <b>Labs Reporting</b>    | 44                 |         |         | 44                 |         |         | 43                 |         |         | 44                 |         |         | 44                 |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mg Ammonium Acetate (SubTestCode 143) |              |       | in the Bases (1:10) Property Groups |              |       |            |                |        |            |              |       |            |              |       | Data units: mg/kg |  |
|---------------------------------------|--------------|-------|-------------------------------------|--------------|-------|------------|----------------|--------|------------|--------------|-------|------------|--------------|-------|-------------------|--|
| SRSSRS1606                            |              |       | SRSSRS1607                          |              |       | SRSSRS1608 |                |        | SRSSRS1609 |              |       | SRSSRS1610 |              |       |                   |  |
| <b>9G9ZXE</b>                         | <b>303.7</b> | 0.2   | 0.3                                 | <b>126.3</b> | -0.2  | 0.6        | <b>1,329.0</b> | 0.1    | 1.1        | <b>237.3</b> | -0.3  | 0.7        | <b>77.3</b>  | -0.5  | 0.9               |  |
|                                       |              | 9.0   | 5.5                                 |              | -3.9  | 2.3        |                | 23.3   | 68.9       |              | -8.0  | 6.0        |              | -9.1  | 3.8               |  |
| <b>BYXYDC</b>                         | <b>248.2</b> | -1.3  | 0.2                                 | <b>113.1</b> | -1.0  | 1.5        | <b>1,080.4</b> | -0.8   | 0.3        | <b>251.3</b> | 0.2   | 0.9        | <b>98.6</b>  | 0.7   | 0.7               |  |
|                                       |              | -46.5 | 4.5                                 |              | -17.1 | 6.1        |                | -225.2 | 20.0       |              | 6.0   | 8.1        |              | 12.1  | 2.7               |  |
| <b>7LQLUF</b>                         | <b>231.3</b> | -1.7  | 5.7                                 | <b>124.8</b> | -0.3  | 1.4        | <b>1,326.7</b> | 0.1    | 0.1        | <b>260.9</b> | 0.5   | 1.1        | <b>86.5</b>  | 0.0   | 3.7               |  |
|                                       |              | -63.4 | 120.0                               |              | -5.4  | 5.7        |                | 21.0   | 8.7        |              | 15.6  | 9.6        |              | 0.0   | 14.7              |  |
| <b>UJH8JT</b>                         | <b>317.5</b> | 0.6   | 0.5                                 | <b>182.6</b> | 3.2   | 0.3        | <b>416.3</b>   | -3.2   | 0.0        | <b>318.0</b> | 2.4   | 0.6        | <b>114.6</b> | 1.6   | 0.2               |  |
|                                       |              | 22.8  | 9.6                                 |              | 52.4  | 1.4        |                | -889.4 | 0.9        |              | 72.7  | 5.5        |              | 28.1  | 0.7               |  |
| <b>ETFYA8</b>                         | <b>286.7</b> | -0.2  | 0.3                                 | <b>140.3</b> | 0.6   | 0.2        | <b>1,319.7</b> | 0.1    | 0.2        | <b>268.3</b> | 0.8   | 0.5        | <b>104.6</b> | 1.1   | 0.3               |  |
|                                       |              | -7.9  | 5.3                                 |              | 10.1  | 0.8        |                | 14.0   | 12.4       |              | 23.0  | 4.3        |              | 18.1  | 1.2               |  |
| <b>WN8QDL</b>                         | <b>269.1</b> | -0.7  | 0.1                                 | <b>128.9</b> | -0.1  | 0.2        | <b>824.0</b>   | -1.7   | 0.3        | <b>243.0</b> | -0.1  | 0.1        | <b>83.6</b>  | -0.2  | 0.3               |  |
|                                       |              | -25.6 | 3.1                                 |              | -1.3  | 0.7        |                | -481.6 | 17.2       |              | -2.3  | 1.2        |              | -2.9  | 1.3               |  |
| <b>QHLKDT</b>                         | <b>305.6</b> | 0.3   | 0.4                                 | <b>140.3</b> | 0.6   | 1.1        | <b>1,454.1</b> | 0.5    | 1.0        | <b>232.0</b> | -0.4  | 0.4        | <b>78.9</b>  | -0.4  | 0.5               |  |
|                                       |              | 10.9  | 9.1                                 |              | 10.1  | 4.5        |                | 148.4  | 65.3       |              | -13.4 | 3.6        |              | -7.5  | 2.1               |  |
| <b>NM37AU</b>                         | <b>267.7</b> | -0.7  | 0.2                                 | <b>137.3</b> | 0.4   | 0.8        | <b>1,253.0</b> | -0.2   | 0.5        | <b>256.3</b> | 0.4   | 0.7        | <b>110.0</b> | 1.4   | 0.9               |  |
|                                       |              | -27.0 | 4.5                                 |              | 7.1   | 3.2        |                | -52.7  | 31.8       |              | 11.0  | 5.7        |              | 23.5  | 3.5               |  |
| <b>LU92FX</b>                         | <b>264.3</b> | -0.8  | 0.2                                 | <b>127.7</b> | -0.2  | 1.0        | <b>1,129.7</b> | -0.6   | 0.7        | <b>272.0</b> | 0.9   | 0.4        | <b>102.0</b> | 0.9   | 1.0               |  |
|                                       |              | -30.3 | 3.2                                 |              | -2.5  | 4.0        |                | -176.0 | 45.7       |              | 26.7  | 3.6        |              | 15.5  | 4.0               |  |
| <b>WP3AEN</b>                         | <b>297.0</b> | 0.1   | 0.2                                 | <b>129.3</b> | -0.1  | 1.2        | <b>1,399.7</b> | 0.3    | 0.4        | <b>244.0</b> | 0.0   | 0.8        | <b>91.7</b>  | 0.3   | 0.8               |  |
|                                       |              | 2.3   | 5.0                                 |              | -0.9  | 5.1        |                | 94.0   | 23.4       |              | -1.3  | 7.0        |              | 5.2   | 3.1               |  |
| <b>9JB2YB</b>                         | <b>307.8</b> | 0.4   | 0.2                                 | <b>156.2</b> | 1.6   | 0.2        | <b>1,293.3</b> | 0.0    | 0.1        | <b>245.3</b> | 0.0   | 0.2        | <b>115.0</b> | 1.7   | 0.2               |  |
|                                       |              | 13.2  | 3.7                                 |              | 26.0  | 0.8        |                | -12.3  | 6.8        |              | 0.0   | 2.1        |              | 28.5  | 1.0               |  |
| <b>PD8M9Q</b>                         | <b>299.9</b> | 0.1   | 0.2                                 | <b>141.0</b> | 0.7   | 0.6        | <b>1,072.2</b> | -0.8   | 0.3        | <b>236.9</b> | -0.3  | 0.2        | <b>86.4</b>  | 0.0   | 0.5               |  |
|                                       |              | 5.3   | 4.9                                 |              | 10.8  | 2.3        |                | -233.5 | 17.8       |              | -8.4  | 1.6        |              | 0.0   | 2.0               |  |
| <b>4XUXCD</b>                         | <b>311.3</b> | 0.5   | 0.1                                 | <b>165.7</b> | 2.2   | 0.3        | <b>1,363.3</b> | 0.2    | 0.2        | <b>288.3</b> | 1.4   | 0.7        | <b>117.0</b> | 1.8   | 0.7               |  |
|                                       |              | 16.7  | 1.5                                 |              | 35.5  | 1.2        |                | 57.7   | 10.4       |              | 43.0  | 5.8        |              | 30.5  | 2.6               |  |
| <b>YM93AG</b>                         | <b>304.6</b> | 0.3   | 0.0                                 | <b>145.7</b> | 0.9   | 0.8        | <b>1,305.7</b> | 0.0    | 0.4        | <b>259.7</b> | 0.5   | 0.3        | <b>84.9</b>  | -0.1  | 0.8               |  |
|                                       |              | 9.9   | 0.3                                 |              | 15.5  | 3.2        |                | 0.0    | 24.2       |              | 14.4  | 2.6        |              | -1.5  | 3.1               |  |
| <b>Z9LAXF</b>                         | <b>338.0</b> | 1.2   | 0.1                                 | <b>136.3</b> | 0.4   | 0.3        | <b>1,993.3</b> | 2.5    | 2.6        | <b>238.0</b> | -0.2  | 0.9        | <b>75.0</b>  | -0.7  | 0.4               |  |
|                                       |              | 43.3  | 3.0                                 |              | 6.1   | 1.2        |                | 687.7  | 168.0      |              | -7.3  | 8.2        |              | -11.5 | 1.7               |  |
| <b>KG6H4X</b>                         | <b>356.7</b> | 1.7   | 2.0                                 | <b>154.0</b> | 1.5   | 1.9        | <b>1,470.0</b> | 0.6    | 1.8        | <b>311.7</b> | 2.2   | 3.9        | <b>100.0</b> | 0.8   | 3.5               |  |
|                                       |              | 62.0  | 41.5                                |              | 23.8  | 8.0        |                | 164.3  | 120.0      |              | 66.3  | 33.5       |              | 13.5  | 14.0              |  |
| <b>ZTQT9G</b>                         | <b>274.7</b> | -0.5  | 0.2                                 | <b>111.7</b> | -1.1  | 0.7        | <b>1,235.0</b> | -0.3   | 0.3        | <b>207.0</b> | -1.3  | 0.8        | <b>71.0</b>  | -0.9  |                   |  |
|                                       |              | -20.0 | 3.2                                 |              | -18.5 | 2.9        |                | -70.7  | 22.6       |              | -38.3 | 6.9        |              | -15.5 | 0.0               |  |
| <b>HML4ZY</b>                         | <b>251.0</b> | -1.2  | 0.5                                 | <b>130.3</b> | 0.0   | 1.8        | <b>1,289.3</b> | -0.1   | 0.6        | <b>253.7</b> | 0.3   | 1.4        | <b>87.3</b>  | 0.1   | 0.8               |  |
|                                       |              | -43.7 | 11.1                                |              | 0.1   | 7.6        |                | -16.3  | 38.6       |              | 8.3   | 12.0       |              | 0.9   | 3.2               |  |
| <b>JDB3EY</b>                         | <b>292.2</b> | -0.1  | 1.1                                 | <b>128.4</b> | -0.1  | 1.3        | <b>1,429.6</b> | 0.4    | 1.0        | <b>230.7</b> | -0.5  | 0.8        | <b>99.1</b>  | 0.7   | 0.5               |  |
|                                       |              | -2.5  | 22.7                                |              | -1.8  | 5.2        |                | 123.9  | 62.5       |              | -14.6 | 6.8        |              | 12.6  | 2.1               |  |
| <b>N7UE8P</b>                         | <b>287.4</b> | -0.2  | 0.2                                 | <b>130.2</b> | 0.0   | 0.7        | <b>1,250.2</b> | -0.2   | 0.4        | <b>270.5</b> | 0.8   | 0.5        | <b>97.1</b>  | 0.6   | 0.2               |  |
|                                       |              | -7.3  | 3.9                                 |              | 0.0   | 2.8        |                | -55.5  | 26.3       |              | 25.1  | 4.0        |              | 10.6  | 1.0               |  |







## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>N6HFCF</b>            | <b>294.7</b>       | 0.0     | 1.0     | <b>102.5</b>       | -1.7    | 0.9     | <b>1,568.7</b>     | 0.9     | 0.8     | <b>192.3</b>       | -1.7    | 0.2     | <b>61.5</b>        | -1.5    | 0.4     |
|                          |                    | 0.0     | 20.6    |                    | -27.7   | 3.8     |                    | 263.0   | 51.5    |                    | -53.0   | 1.5     |                    | -25.0   | 1.4     |
| <b>9KRXTW</b>            | <b>301.7</b>       | 0.2     | 0.3     | <b>113.7</b>       | -1.0    | 0.6     | <b>1,472.7</b>     | 0.6     | 1.0     | <b>242.7</b>       | -0.1    | 0.2     | <b>85.7</b>        | 0.0     | 0.4     |
|                          |                    | 7.0     | 6.5     |                    | -16.5   | 2.5     |                    | 167.0   | 64.5    |                    | -2.7    | 1.5     |                    | -0.8    | 1.5     |
| <b>Grand Median</b>      |                    | 294.7   |         |                    | 130.2   |         |                    | 1,305.7 |         |                    | 245.3   |         |                    | 86.5    |         |
| <b>Median Abs Dev</b>    |                    | 20.0    |         |                    | 7.8     |         |                    | 124.3   |         |                    | 15.6    |         |                    | 11.5    |         |
| <b>Avg Within Lab SD</b> |                    | 20.9    |         |                    | 4.1     |         |                    | 65.2    |         |                    | 8.7     |         |                    | 4.0     |         |
| <b>Labs Included</b>     |                    | 43      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |
| <b>Labs Reporting</b>    |                    | 43      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |                    | 43      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Na Ammonium Acetate (SubTestCode 144) | in the Bases (1:10) Property Groups |       |     |             |      |     |              |        |       |             |       |     |             |      |     |                   |
|---------------------------------------|-------------------------------------|-------|-----|-------------|------|-----|--------------|--------|-------|-------------|-------|-----|-------------|------|-----|-------------------|
|                                       | SRSSRS1606                          |       |     | SRSSRS1607  |      |     | SRSSRS1608   |        |       | SRSSRS1609  |       |     | SRSSRS1610  |      |     | Data units: mg/kg |
| <b>9G9ZXE</b>                         | <b>52.3</b>                         | 0.2   | 0.5 | <b>11.7</b> | 0.0  | 0.7 | <b>834.7</b> | 0.8    | 0.6   | <b>36.7</b> | -0.2  | 0.2 | <b>13.0</b> | 0.0  | 1.0 |                   |
|                                       |                                     | 2.9   | 1.5 |             | -0.1 | 1.2 |              | 118.7  | 19.5  |             | -2.0  | 0.6 |             | 0.0  | 2.6 |                   |
| <b>BYXYDC</b>                         | <b>40.0</b>                         | -0.7  | 0.7 | <b>8.7</b>  | -0.5 | 0.2 | <b>568.2</b> | -0.9   | 0.3   | <b>35.9</b> | -0.2  | 0.5 | <b>14.6</b> | 0.2  | 0.9 |                   |
|                                       |                                     | -9.5  | 1.9 |             | -3.1 | 0.4 |              | -147.8 | 10.5  |             | -2.7  | 1.4 |             | 1.6  | 2.3 |                   |
| <b>7LQLUF</b>                         | <b>86.7</b>                         | 2.9   | 2.1 | <b>47.8</b> | 5.6  | 3.8 | <b>751.9</b> | 0.2    | 0.6   | <b>89.5</b> | 4.3   | 3.4 | <b>51.9</b> | 5.0  | 3.5 |                   |
|                                       |                                     | 37.2  | 5.8 |             | 36.0 | 6.6 |              | 35.9   | 19.1  |             | 50.9  | 9.8 |             | 38.9 | 9.1 |                   |
| <b>UJH8JT</b>                         | <b>86.6</b>                         | 2.9   | 1.0 | <b>25.8</b> | 2.2  | 0.5 | <b>556.1</b> | -1.0   | 0.0   | <b>53.7</b> | 1.3   | 0.6 | <b>26.7</b> | 1.8  | 0.8 |                   |
|                                       |                                     | 37.2  | 2.8 |             | 14.0 | 0.9 |              | -159.9 | 0.3   |             | 15.0  | 1.7 |             | 13.7 | 2.0 |                   |
| <b>ETFYA8</b>                         | <b>49.6</b>                         | 0.0   | 0.3 | <b>14.6</b> | 0.4  | 0.3 | <b>747.4</b> | 0.2    | 0.6   | <b>40.2</b> | 0.1   | 0.3 | <b>16.4</b> | 0.4  | 0.2 |                   |
|                                       |                                     | 0.1   | 0.7 |             | 2.8  | 0.5 |              | 31.4   | 21.4  |             | 1.6   | 0.9 |             | 3.4  | 0.6 |                   |
| <b>WN8QDL</b>                         | <b>58.5</b>                         | 0.7   | 0.3 | <b>13.9</b> | 0.3  | 0.1 | <b>666.8</b> | -0.3   | 0.5   | <b>63.8</b> | 2.1   | 0.2 | <b>12.5</b> | -0.1 | 0.1 |                   |
|                                       |                                     | 9.1   | 0.9 |             | 2.1  | 0.2 |              | -49.2  | 15.4  |             | 25.2  | 0.7 |             | -0.5 | 0.3 |                   |
| <b>QHLKDT</b>                         | <b>49.4</b>                         | 0.0   | 0.6 | <b>8.0</b>  | -0.6 | 0.2 | <b>799.5</b> | 0.5    | 0.7   | <b>32.4</b> | -0.5  | 0.6 | <b>8.2</b>  | -0.6 | 0.4 |                   |
|                                       |                                     | 0.0   | 1.6 |             | -3.7 | 0.4 |              | 83.5   | 22.7  |             | -6.2  | 1.8 |             | -4.8 | 0.9 |                   |
| <b>NM37AU</b>                         | <b>43.3</b>                         | -0.5  | 1.1 | <b>12.3</b> | 0.1  | 1.2 | <b>687.0</b> | -0.2   | 0.2   | <b>34.7</b> | -0.3  | 0.2 | <b>12.0</b> | -0.1 | 0.8 |                   |
|                                       |                                     | -6.1  | 3.1 |             | 0.5  | 2.1 |              | -29.0  | 6.6   |             | -4.0  | 0.6 |             | -1.0 | 2.0 |                   |
| <b>LU92FX</b>                         | <b>45.7</b>                         | -0.3  | 1.3 | <b>11.0</b> | -0.1 | 0.6 | <b>716.0</b> | 0.0    | 0.9   | <b>47.7</b> | 0.8   | 0.5 | <b>15.7</b> | 0.3  | 2.1 |                   |
|                                       |                                     | -3.8  | 3.5 |             | -0.8 | 1.0 |              | 0.0    | 29.6  |             | 9.0   | 1.5 |             | 2.7  | 5.5 |                   |
| <b>WP3AEN</b>                         | <b>17.3</b>                         | -2.5  | 0.2 | <b>7.7</b>  | -0.6 | 0.3 | <b>155.0</b> | -3.6   | 0.4   | <b>15.7</b> | -2.0  | 0.2 | <b>11.7</b> | -0.2 | 0.2 |                   |
|                                       |                                     | -32.1 | 0.6 |             | -4.1 | 0.6 |              | -561.0 | 12.5  |             | -23.0 | 0.6 |             | -1.3 | 0.6 |                   |
| <b>9JB2YB</b>                         | <b>33.0</b>                         | -1.3  | 1.0 | <b>16.2</b> | 0.7  | 0.9 | <b>366.2</b> | -2.2   | 0.1   | <b>28.1</b> | -0.9  | 0.2 | <b>18.0</b> | 0.7  | 0.5 |                   |
|                                       |                                     | -16.4 | 2.7 |             | 4.4  | 1.5 |              | -349.8 | 4.3   |             | -10.6 | 0.7 |             | 5.0  | 1.4 |                   |
| <b>PD8M9Q</b>                         | <b>59.2</b>                         | 0.8   | 0.8 | <b>19.2</b> | 1.2  | 1.3 | <b>638.4</b> | -0.5   | 0.5   | <b>42.6</b> | 0.3   | 1.0 | <b>16.3</b> | 0.4  | 0.6 |                   |
|                                       |                                     | 9.7   | 2.3 |             | 7.4  | 2.3 |              | -77.6  | 15.0  |             | 4.0   | 2.9 |             | 3.3  | 1.7 |                   |
| <b>4XUXCD</b>                         | <b>53.0</b>                         | 0.3   | 0.9 | <b>19.7</b> | 1.2  | 0.3 | <b>761.7</b> | 0.3    | 0.3   | <b>45.7</b> | 0.6   | 0.2 | <b>20.0</b> | 0.9  |     |                   |
|                                       |                                     | 3.6   | 2.6 |             | 7.9  | 0.6 |              | 45.7   | 10.4  |             | 7.0   | 0.6 |             | 7.0  | 0.0 |                   |
| <b>Z9LAXF</b>                         | <b>55.3</b>                         | 0.5   | 1.0 | <b>16.3</b> | 0.7  | 1.8 | <b>975.0</b> | 1.7    | 2.5   | <b>41.0</b> | 0.2   | 2.5 | <b>16.0</b> | 0.4  | 1.1 |                   |
|                                       |                                     | 5.9   | 2.9 |             | 4.5  | 3.1 |              | 259.0  | 82.6  |             | 2.3   | 7.2 |             | 3.0  | 3.0 |                   |
| <b>KG6H4X</b>                         | <b>48.6</b>                         | -0.1  | 3.0 | <b>9.7</b>  | -0.3 | 1.4 | <b>930.0</b> | 1.4    | 3.3   | <b>44.0</b> | 0.5   | 1.0 | <b>12.3</b> | -0.1 | 1.0 |                   |
|                                       |                                     | -0.9  | 8.4 |             | -2.1 | 2.5 |              | 214.0  | 110.0 |             | 5.4   | 3.0 |             | -0.7 | 2.5 |                   |
| <b>ZTQT9G</b>                         | <b>48.3</b>                         | -0.1  | 1.0 | <b>10.3</b> | -0.2 | 0.9 | <b>783.3</b> | 0.4    | 2.3   | <b>33.3</b> | -0.5  | 1.4 | <b>11.7</b> | -0.2 | 0.8 |                   |
|                                       |                                     | -1.1  | 2.9 |             | -1.5 | 1.5 |              | 67.3   | 75.4  |             | -5.3  | 4.0 |             | -1.3 | 2.1 |                   |
| <b>HML4ZY</b>                         | <b>49.7</b>                         | 0.0   | 1.1 | <b>23.3</b> | 1.8  | 0.9 | <b>757.3</b> | 0.3    | 0.8   | <b>48.3</b> | 0.8   | 0.5 | <b>20.7</b> | 1.0  | 0.4 |                   |
|                                       |                                     | 0.2   | 3.1 |             | 11.5 | 1.5 |              | 41.3   | 26.6  |             | 9.7   | 1.5 |             | 7.7  | 1.2 |                   |
| <b>3HG3JC</b>                         | <b>33.0</b>                         | -1.3  |     | <b>8.0</b>  | -0.6 |     | <b>384.0</b> | -2.1   |       | <b>23.0</b> | -1.3  |     | <b>7.0</b>  | -0.8 |     |                   |
|                                       |                                     | -16.4 | 0.0 |             | -3.8 | 0.0 |              | -332.0 | 0.0   |             | -15.7 | 0.0 |             | -6.0 | 0.0 |                   |
| <b>E8KYJY</b>                         | <b>45.6</b>                         | -0.3  | 0.2 | <b>14.3</b> | 0.4  | 0.4 | <b>706.7</b> | -0.1   | 0.1   | <b>38.9</b> | 0.0   | 0.2 | <b>14.3</b> | 0.2  | 0.5 |                   |
|                                       |                                     | -3.8  | 0.6 |             | 2.5  | 0.7 |              | -9.3   | 3.8   |             | 0.2   | 0.6 |             | 1.3  | 1.3 |                   |
| <b>2ZLAYD</b>                         | <b>52.3</b>                         | 0.2   | 0.2 | <b>15.3</b> | 0.6  | 0.9 | <b>743.3</b> | 0.2    | 0.2   | <b>39.3</b> | 0.1   | 1.0 | <b>13.0</b> | 0.0  | 0.7 |                   |
|                                       |                                     | 2.9   | 0.6 |             | 3.5  | 1.5 |              | 27.3   | 5.8   |             | 0.7   | 2.9 |             | 0.0  | 1.7 |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|
|                          |              | Difference | W/L STD |              | Difference | W/L STD |              | Difference | W/L STD |              | Difference | W/L STD |              | Difference | W/L STD |
| <b>9GTK67</b>            | <b>43.7</b>  | -0.4       | 0.1     | <b>12.7</b>  | 0.1        | 0.4     | <b>656.3</b> | -0.4       | 0.2     | <b>34.3</b>  | -0.4       | 0.4     | <b>13.9</b>  | 0.1        | 0.4     |
|                          |              | -5.7       | 0.4     |              | 0.9        | 0.6     |              | -59.7      | 6.1     |              | -4.4       | 1.3     |              | 0.9        | 1.0     |
| <b>GC6ZFU</b>            | <b>41.8</b>  | -0.6       | 0.2     | <b>11.4</b>  | -0.1       | 0.4     | <b>589.7</b> | -0.8       | 1.1     | <b>39.7</b>  | 0.1        | 0.8     | <b>14.3</b>  | 0.2        | 0.5     |
|                          |              | -7.6       | 0.7     |              | -0.4       | 0.6     |              | -126.3     | 36.7    |              | 1.0        | 2.3     |              | 1.3        | 1.2     |
| <b>2RDHVB</b>            | <b>236.3</b> | 14.5       | 4.0     | <b>195.0</b> | 28.6       | 1.5     | <b>759.3</b> | 0.3        | 0.6     | <b>216.7</b> | 15.1       | 1.9     | <b>194.7</b> | 23.5       | 2.1     |
|                          |              | 186.9      | 11.1    |              | 183.2      | 2.6     |              | 43.3       | 21.5    |              | 178.0      | 5.5     |              | 181.7      | 5.5     |
| <b>V3RMFD</b>            | <b>44.3</b>  | -0.4       | 0.7     | <b>9.8</b>   | -0.3       | 0.6     | <b>774.8</b> | 0.4        | 0.5     | <b>39.0</b>  | 0.0        | 0.9     | <b>11.3</b>  | -0.2       | 0.6     |
|                          |              | -5.1       | 2.1     |              | -2.0       | 1.0     |              | 58.8       | 16.5    |              | 0.3        | 2.6     |              | -1.7       | 1.6     |
| <b>RF99BG</b>            | <b>49.7</b>  | 0.0        | 0.9     | <b>15.7</b>  | 0.6        | 0.7     | <b>703.3</b> | -0.1       | 0.2     | <b>35.3</b>  | -0.3       | 0.5     | <b>13.7</b>  | 0.1        | 0.2     |
|                          |              | 0.2        | 2.5     |              | 3.9        | 1.2     |              | -12.7      | 5.8     |              | -3.3       | 1.5     |              | 0.7        | 0.6     |
| <b>Y26GAB</b>            | <b>46.8</b>  | -0.2       | 1.2     | <b>10.2</b>  | -0.2       | 0.4     | <b>564.1</b> | -1.0       | 0.1     | <b>36.2</b>  | -0.2       | 1.7     | <b>10.0</b>  | -0.4       | 0.0     |
|                          |              | -2.6       | 3.5     |              | -1.5       | 0.7     |              | -151.9     | 4.8     |              | -2.5       | 4.9     |              | -3.0       | 0.0     |
| <b>EJR4AR</b>            | <b>50.0</b>  | 0.0        | 0.6     | <b>8.4</b>   | -0.5       | 0.8     | <b>737.7</b> | 0.1        | 0.3     | <b>33.7</b>  | -0.4       | 0.5     | <b>6.9</b>   | -0.8       | 0.0     |
|                          |              | 0.6        | 1.7     |              | -3.4       | 1.3     |              | 21.7       | 11.0    |              | -4.9       | 1.3     |              | -6.1       | 0.0     |
| <b>ACVHGX</b>            | <b>47.3</b>  | -0.2       | 0.3     | <b>10.6</b>  | -0.2       | 0.4     | <b>688.1</b> | -0.2       | 0.1     | <b>32.2</b>  | -0.6       | 0.5     | <b>11.0</b>  | -0.3       | 0.6     |
|                          |              | -2.1       | 0.9     |              | -1.2       | 0.7     |              | -27.9      | 3.6     |              | -6.5       | 1.5     |              | -2.0       | 1.5     |
| <b>6UNU32</b>            | <b>50.0</b>  | 0.0        | 0.4     | <b>13.9</b>  | 0.3        | 0.2     | <b>836.9</b> | 0.8        | 0.5     | <b>38.7</b>  | 0.0        | 0.7     | <b>12.5</b>  | -0.1       | 0.7     |
|                          |              | 0.5        | 1.0     |              | 2.1        | 0.4     |              | 120.9      | 15.5    |              | 0.0        | 2.0     |              | -0.5       | 1.8     |
| <b>GPT3XM</b>            | <b>9.4</b>   | -3.1       | 0.3     | <b>11.8</b>  | 0.0        | 1.3     | <b>734.5</b> | 0.1        | 0.5     | <b>59.8</b>  | 1.8        | 1.8     | <b>50.3</b>  | 4.8        | 3.0     |
|                          |              | -40.1      | 0.8     |              | 0.0        | 2.2     |              | 18.5       | 15.2    |              | 21.2       | 5.4     |              | 37.3       | 8.0     |
| <b>D79YPQ</b>            | <b>52.9</b>  | 0.3        | 0.6     | <b>8.1</b>   | -0.6       | 0.2     | <b>693.9</b> | -0.1       | 1.1     | <b>30.0</b>  | -0.7       | 0.5     | <b>8.4</b>   | -0.6       | 0.1     |
|                          |              | 3.4        | 1.6     |              | -3.7       | 0.4     |              | -22.1      | 35.4    |              | -8.6       | 1.5     |              | -4.6       | 0.4     |
| <b>XJT9V6</b>            | <b>47.6</b>  | -0.1       | 0.4     | <b>8.7</b>   | -0.5       | 1.4     | <b>752.3</b> | 0.2        | 0.3     | <b>33.8</b>  | -0.4       | 0.3     | <b>9.7</b>   | -0.4       | 0.4     |
|                          |              | -1.8       | 1.1     |              | -3.1       | 2.4     |              | 36.3       | 10.3    |              | -4.8       | 0.9     |              | -3.3       | 1.1     |
| <b>HX3QCL</b>            | <b>38.3</b>  | -0.9       | 0.1     | <b>10.2</b>  | -0.3       | 0.4     | <b>695.1</b> | -0.1       | 0.3     | <b>39.0</b>  | 0.0        | 0.7     | <b>11.9</b>  | -0.1       | 0.3     |
|                          |              | -11.1      | 0.4     |              | -1.6       | 0.7     |              | -20.9      | 10.1    |              | 0.4        | 2.1     |              | -1.1       | 0.7     |
| <b>HU3FFL</b>            | <b>61.4</b>  | 0.9        | 0.7     | <b>17.7</b>  | 0.9        | 0.8     | <b>919.9</b> | 1.3        | 0.5     | <b>45.5</b>  | 0.6        | 0.3     | <b>19.9</b>  | 0.9        | 0.5     |
|                          |              | 11.9       | 2.0     |              | 6.0        | 1.4     |              | 203.9      | 15.8    |              | 6.9        | 0.8     |              | 6.9        | 1.3     |
| <b>N6HFCF</b>            | <b>50.4</b>  | 0.1        | 1.8     | <b>9.0</b>   | -0.4       | 0.8     | <b>848.3</b> | 0.8        | 2.2     | <b>26.9</b>  | -1.0       | 0.5     | <b>6.7</b>   | -0.8       | 0.2     |
|                          |              | 0.9        | 5.1     |              | -2.8       | 1.3     |              | 132.3      | 72.4    |              | -11.8      | 1.6     |              | -6.3       | 0.5     |
| <b>9KRXTW</b>            | <b>61.0</b>  | 0.9        | 1.6     | <b>14.0</b>  | 0.3        | 0.6     | <b>688.3</b> | -0.2       | 0.6     | <b>37.3</b>  | -0.1       | 0.7     | <b>9.3</b>   | -0.5       | 0.2     |
|                          |              | 11.6       | 4.4     |              | 2.2        | 1.0     |              | -27.7      | 20.5    |              | -1.3       | 2.1     |              | -3.7       | 0.6     |
| <b>Grand Median</b>      |              | 49.4       |         |              | 11.8       |         |              | 716.0      |         |              | 38.7       |         |              | 13.0       |         |
| <b>Median Abs Dev</b>    |              | 3.8        |         |              | 2.8        |         |              | 49.2       |         |              | 4.9        |         |              | 3.0        |         |
| <b>Avg Within Lab SD</b> |              | 2.8        |         |              | 1.7        |         |              | 33.2       |         |              | 2.9        |         |              | 2.6        |         |
| <b>Labs Included</b>     |              | 35         |         |              | 35         |         |              | 35         |         |              | 35         |         |              | 35         |         |
| <b>Labs Reporting</b>    |              | 35         |         |              | 35         |         |              | 35         |         |              | 35         |         |              | 35         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| <b>Bray Extractable K (SubTestCode 145)</b> | <b>in the Bases (1:10) Property Groups</b> |     |              |       |              |     |             |     | <b>Data units: mg/kg</b> |      |  |  |       |
|---|--|-----|--------------|-------|--------------|-----|-------------|-----|--------------------------|------|--|--|-------|
| SRSSRS1606                                  | SRSSRS1607                                 |     | SRSSRS1608   |       | SRSSRS1609   |     | SRSSRS1610  |     |                          |      |  |  |       |
| <b>VMZPEH</b>                               | <b>378.6</b>                               | 1.0 | <b>124.2</b> | 1.0   | <b>334.1</b> | 1.0 | <b>92.9</b> | 1.0 | <b>102.2</b>             | 1.0  |  |  |       |
|   | 0.5  | 0.8 | 5.1          | 1.7   | 1.6          |     |             |     |                          |      |  |  |       |
| <b>Grand Median</b>                         | 378.6                                      |     |              | 124.2 |              |     | 334.1       |     |                          | 92.9 |  |  | 102.2 |
| <b>Median Abs Dev</b>                       |  |     |              |       |              |     |             |     |                          |      |  |  |       |
| <b>Avg Within Lab SD</b>                    | 0.5  |     |              | 0.8   |              |     | 5.1         |     |                          | 1.7  |  |  | 1.6   |
| <b>Labs Included</b>                        | 1  |     |              | 1     |              |     | 1           |     |                          | 1    |  |  | 1     |
| <b>Labs Reporting</b>                       | 1  |     |              | 1     |              |     | 1           |     |                          | 1    |  |  | 1     |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K- Bicarb. (SubTestCode 146) | in the Bases (1:10) Property Groups |            |              |            |              |      |              |      |              |     | Data units: mg/kg |  |  |  |  |
|------------------------------|-------------------------------------|------------|--------------|------------|--------------|------|--------------|------|--------------|-----|-------------------|--|--|--|--|
|                              | SRSSRS1606                          | SRSSRS1607 | SRSSRS1608   | SRSSRS1609 | SRSSRS1610   |      |              |      |              |     |                   |  |  |  |  |
| <b>2V9A2L</b>                | <b>589.7</b>                        | 0.5        | <b>131.7</b> | 0.4        | <b>354.7</b> | 0.0  | <b>105.7</b> | 1.6  | <b>99.0</b>  | 1.4 |                   |  |  |  |  |
|                              |                                     | 11.0       |              | 3.5        |              | 0.6  |              | 11.6 |              | 9.6 |                   |  |  |  |  |
| <b>7LQLUF</b>                | <b>597.0</b>                        | 0.0        | <b>135.7</b> | 0.5        | <b>360.7</b> | 0.8  | <b>111.0</b> | 0.2  | <b>113.3</b> | 0.7 |                   |  |  |  |  |
|                              |                                     | 1.0        |              | 5.0        |              | 11.5 |              | 1.7  |              | 5.0 |                   |  |  |  |  |
| <b>PD8M9Q</b>                | <b>513.0</b>                        | 0.6        | <b>103.3</b> | 1.0        | <b>262.4</b> | 0.8  | <b>79.8</b>  | 0.6  | <b>70.1</b>  | 0.3 |                   |  |  |  |  |
|                              |                                     | 15.1       |              | 9.8        |              | 11.4 |              | 4.5  |              | 2.0 |                   |  |  |  |  |
| <b>EJR4AR</b>                | <b>1,099.3</b>                      | 1.8        | <b>243.0</b> | 1.6        | <b>672.3</b> | 1.6  | <b>170.3</b> | 0.9  | <b>178.3</b> | 1.2 |                   |  |  |  |  |
|                              |                                     | 44.6       |              | 15.1       |              | 22.1 |              | 6.7  |              | 8.1 |                   |  |  |  |  |
| <b>Grand Median</b>          | 593.3                               |            | 133.7        |            | 357.7        |      | 108.3        |      | 106.2        |     |                   |  |  |  |  |
| <b>Median Abs Dev</b>        |                                     |            |              |            |              |      |              |      |              |     |                   |  |  |  |  |
| <b>Avg Within Lab SD</b>     | 24.2                                |            | 9.5          |            | 13.7         |      | 7.1          |      | 6.8          |     |                   |  |  |  |  |
| <b>Labs Included</b>         | 4                                   |            | 4            |            | 4            |      | 4            |      | 4            |     |                   |  |  |  |  |
| <b>Labs Reporting</b>        | 4                                   |            | 4            |            | 4            |      | 4            |      | 4            |     |                   |  |  |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K Modified Morgan (SubTestCode 147) | in the Bases (1:10) Property Groups |       |              |       |              |       |             |      |             |      | Data units: mg/kg |
|-------------------------------------|-------------------------------------|-------|--------------|-------|--------------|-------|-------------|------|-------------|------|-------------------|
|                                     | SRSSRS1606                          |       | SRSSRS1607   |       | SRSSRS1608   |       | SRSSRS1609  |      | SRSSRS1610  |      |                   |
| <b>9WKG82</b>                       | <b>768.3</b>                        | 0.3   | <b>126.0</b> | 0.4   | <b>556.0</b> | 0.2   | <b>89.3</b> | 0.7  | <b>80.7</b> | 0.8  |                   |
|                                     |                                     | 11.0  |              | 2.0   |              | 17.3  |             | 3.1  |             | 2.1  |                   |
|                                     |                                     | 1.4   |              | 1.4   |              | 1.4   |             | 1.2  |             | 1.2  |                   |
| <b>EJR4AR</b>                       | <b>505.7</b>                        | 49.3  | <b>123.0</b> | 6.9   | <b>227.7</b> | 109.3 | <b>90.8</b> | 5.0  | <b>91.2</b> | 3.3  |                   |
| <b>Grand Median</b>                 |                                     | 637.0 |              | 124.5 |              | 391.8 |             | 90.1 |             | 85.9 |                   |
| <b>Median Abs Dev</b>               |                                     |       |              |       |              |       |             |      |             |      |                   |
| <b>Avg Within Lab SD</b>            |                                     | 35.7  |              | 5.1   |              | 78.3  |             | 4.2  |             | 2.7  |                   |
| <b>Labs Included</b>                |                                     | 2     |              | 2     |              | 2     |             | 2    |             | 2    |                   |
| <b>Labs Reporting</b>               |                                     | 2     |              | 2     |              | 2     |             | 2    |             | 2    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ca Modified Morgan (SubTestCode 148) | in the Bases (1:10) Property Groups |     |              |     |                 |     |                |     |              |     | Data units: mg/kg |
|--------------------------------------|-------------------------------------|-----|--------------|-----|-----------------|-----|----------------|-----|--------------|-----|-------------------|
| SRSSRS1606                           | SRSSRS1607                          |     | SRSSRS1608   |     | SRSSRS1609      |     | SRSSRS1610     |     |              |     |                   |
| <b>9WKG82</b>                        | <b>6,235.0</b>                      | 1.0 | <b>841.0</b> | 1.0 | <b>31,441.3</b> | 1.0 | <b>1,117.3</b> | 1.0 | <b>571.3</b> | 1.0 |                   |
|                                      | 186.3                               |     | 40.9         |     | 669.9           |     | 102.2          |     | 28.6         |     |                   |
| <b>Grand Median</b>                  | 6,235.0                             |     | 841.0        |     | 31,441.3        |     | 1,117.3        |     | 571.3        |     |                   |
| <b>Median Abs Dev</b>                |                                     |     |              |     |                 |     |                |     |              |     |                   |
| <b>Avg Within Lab SD</b>             | 186.3                               |     | 40.9         |     | 669.9           |     | 102.2          |     | 28.6         |     |                   |
| <b>Labs Included</b>                 | 1                                   |     | 1            |     | 1               |     | 1              |     | 1            |     |                   |
| <b>Labs Reporting</b>                | 1                                   |     | 1            |     | 1               |     | 1              |     | 1            |     |                   |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Aluminum KCL Extr. (SubTestCode 149) | in the Bases (1:10) Property Groups |             |            |             |             |             |             |             |             |      | Data units: mg/kg |
|--------------------------------------|-------------------------------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|------|-------------------|
| SRSSRS1606                           | SRSSRS1607                          |             | SRSSRS1608 |             | SRSSRS1609  |             | SRSSRS1610  |             |             |      |                   |
| <b>2V9A2L</b>                        |                                     | <b>0.27</b> | 1.25       |             |             | <b>2.80</b> | 1.71        | <b>0.67</b> | 0.39        |      |                   |
|                                      |                                     |             | 0.06       |             |             |             | 0.75        |             | 0.06        |      |                   |
| <b>ETFYA8</b>                        | <b>0.46</b>                         | 1.00        |            | <b>0.60</b> | <b>0.21</b> | 1.00        | <b>2.37</b> | 0.28        | <b>1.41</b> | 1.36 |                   |
|                                      |                                     | 0.06        |            |             |             | 0.02        |             | 0.12        |             | 0.20 |                   |
| <b>XD4VUG</b>                        |                                     |             |            |             |             | <b>2.95</b> | 0.09        |             |             |      |                   |
|                                      |                                     |             |            |             |             |             | 0.04        |             |             |      |                   |
| <b>Grand Median</b>                  | 0.46                                |             | 0.43       |             | 0.21        |             | 2.80        |             | 1.04        |      |                   |
| <b>Median Abs Dev</b>                |                                     |             |            |             |             |             |             |             |             |      |                   |
| <b>Avg Within Lab SD</b>             | 0.06                                |             | 0.05       |             | 0.02        |             | 0.44        |             | 0.15        |      |                   |
| <b>Labs Included</b>                 | 1                                   |             | 2          |             | 1           |             | 3           |             | 2           |      |                   |
| <b>Labs Reporting</b>                | 1                                   |             | 2          |             | 1           |             | 3           |             | 2           |      |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-1, P (SubTestCode 150) | in the Mehlich-1 Multi Element (scoop) Property Groups |            |             |            |             |     |             |     |             |     | Data units: mg/kg |     |     |     |
|--------------------------------|--|------------|-------------|------------|-------------|-----|-------------|-----|-------------|-----|-------------------|-----|-----|-----|
|                                | SRSSRS1606   | SRSSRS1607 | SRSSRS1608  | SRSSRS1609 | SRSSRS1610  |     |             |     |             |     | SRSSRS1610        |     |     |     |
| <b>YM93AG</b>                  | <b>124.9</b>   | 0.6        | <b>26.4</b> | 0.2        | <b>31.9</b> | 0.1 | <b>66.1</b> | 0.4 | <b>60.7</b> | 0.2 | 0.8               | 0.2 | 1.0 | 0.2 |
| <b>XD4VUG</b>                  | <b>115.5</b>   | 0.8        | <b>22.6</b> | 1.0        | <b>33.0</b> | 0.2 | <b>48.8</b> | 0.1 | <b>43.4</b> | 0.2 | 1.1               | 0.8 | 0.3 | 0.2 |
| <b>MFPVJN</b>                  | <b>133.1</b>   | 1.5        | <b>24.8</b> | 1.2        | <b>23.4</b> | 2.0 | <b>60.8</b> | 0.8 | <b>53.1</b> | 1.8 | 2.1               | 1.0 | 2.1 | 1.8 |
| <b>T8DRYH</b>                  | <b>113.3</b>   | 0.9        | <b>23.2</b> | 1.3        | <b>21.5</b> | 0.3 | <b>58.8</b> | 1.8 | <b>55.3</b> | 0.8 | 1.3               | 1.0 | 1.8 | 0.8 |
| <b>Grand Median</b>            | 120.2  |            | 24.0        |            | 27.7        |     | 59.8        |     | 54.2        |     |                   |     |     |     |
| <b>Median Abs Dev</b>          |  |            |             |            |             |     |             |     |             |     |                   |     |     |     |
| <b>Avg Within Lab SD</b>       | 1.4  |            | 0.8         |            | 1.5         |     | 2.7         |     | 1.0         |     |                   |     |     |     |
| <b>Labs Included</b>           | 4  |            | 4           |            | 4           |     | 4           |     | 4           |     |                   |     | 4   |     |
| <b>Labs Reporting</b>          | 4  |            | 4           |            | 4           |     | 4           |     | 4           |     |                   |     | 4   |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-1, K (SubTestCode 151) | in the Mehlich-1 Multi Element (scoop) Property Groups |      |              |     |              |     |             |     |             | Data units: mg/kg |
|--------------------------------|--|------|--------------|-----|--------------|-----|-------------|-----|-------------|-------------------|
|                                | SRSSRS1606   |      | SRSSRS1607   |     | SRSSRS1608   |     | SRSSRS1609  |     | SRSSRS1610  |                   |
| <b>YM93AG</b>                  | <b>344.6</b>   | 0.2  | <b>106.5</b> | 0.4 | <b>144.5</b> | 0.1 | <b>73.2</b> | 0.1 | <b>83.3</b> | 0.0               |
|                                |  | 1.2  |              | 0.9 |              | 0.5 |             | 0.1 |             | 0.0               |
| <b>XD4VUG</b>                  | <b>343.0</b>   | 0.5  | <b>95.5</b>  | 0.8 | <b>146.4</b> | 0.7 | <b>67.9</b> | 0.2 | <b>76.5</b> | 0.6               |
|                                |  | 3.6  |              | 1.9 |              | 2.5 |             | 0.5 |             | 1.4               |
| <b>MFPVJN</b>                  | <b>337.5</b>   | 1.8  | <b>87.6</b>  | 1.7 | <b>149.1</b> | 1.6 | <b>64.7</b> | 1.8 | <b>74.8</b> | 1.7               |
|                                |  | 13.5 |              | 4.1 |              | 5.9 |             | 4.3 |             | 4.2               |
| <b>T8DRYH</b>                  | <b>331.5</b>   | 0.7  | <b>95.7</b>  | 0.4 | <b>146.2</b> | 1.0 | <b>67.0</b> | 0.9 | <b>84.3</b> | 0.9               |
|                                |  | 5.7  |              | 1.0 |              | 3.8 |             | 2.2 |             | 2.3               |
| <b>Grand Median</b>            | 340.3  |      | 95.6         |     | 146.3        |     | 67.5        |     | 79.9        |                   |
| <b>Median Abs Dev</b>          |  |      |              |     |              |     |             |     |             |                   |
| <b>Avg Within Lab SD</b>       | 7.6  |      | 2.4          |     | 3.7          |     | 2.4         |     | 2.5         |                   |
| <b>Labs Included</b>           | 4  |      | 4            |     | 4            |     | 4           |     | 4           |                   |
| <b>Labs Reporting</b>          | 4  |      | 4            |     | 4            |     | 4           |     | 4           |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-1, Ca (SubTestCode 152) | in the Mehlich-1 Multi Element (scoop) Property Groups |            |                |            |                |      |                |      |              |      | Data units: mg/kg |  |  |  |  |
|---------------------------------|--|------------|----------------|------------|----------------|------|----------------|------|--------------|------|-------------------|--|--|--|--|
|                                 | SRSSRS1606   | SRSSRS1607 | SRSSRS1608     | SRSSRS1609 | SRSSRS1610     |      |                |      |              |      |                   |  |  |  |  |
| <b>YM93AG</b>                   | <b>4,007.1</b>   | 0.0        | <b>1,006.8</b> | 0.1        | <b>4,410.5</b> | 0.7  | <b>1,187.3</b> | 0.0  | <b>793.3</b> | 0.4  |                   |  |  |  |  |
|                                 |  | 2.6        |                | 2.6        |                | 28.7 |                | 1.5  |              | 9.9  |                   |  |  |  |  |
| <b>XD4VUG</b>                   | <b>3,868.1</b>   | 0.2        | <b>879.0</b>   | 1.0        | <b>4,228.0</b> | 0.3  | <b>971.3</b>   | 0.2  | <b>695.4</b> | 0.5  |                   |  |  |  |  |
|                                 |  | 19.8       |                | 30.6       |                | 14.2 |                | 8.9  |              | 10.8 |                   |  |  |  |  |
| <b>MFPVJN</b>                   | <b>4,029.8</b>   | 1.8        | <b>868.2</b>   | 1.3        | <b>5,212.4</b> | 1.5  | <b>1,121.8</b> | 1.8  | <b>793.2</b> | 1.9  |                   |  |  |  |  |
|                                 |  | 165.7      |                | 39.5       |                | 62.5 |                | 69.0 |              | 42.7 |                   |  |  |  |  |
| <b>T8DRYH</b>                   | <b>3,816.7</b>   | 0.8        | <b>847.8</b>   | 1.2        | <b>4,219.8</b> | 1.0  | <b>1,179.0</b> | 0.9  | <b>777.5</b> | 0.3  |                   |  |  |  |  |
|                                 |  | 71.2       |                | 37.3       |                | 40.5 |                | 33.6 |              | 6.1  |                   |  |  |  |  |
| <b>Grand Median</b>             | 3,937.6  |            | 873.6          |            | 4,319.3        |      | 1,150.4        |      | 785.3        |      |                   |  |  |  |  |
| <b>Median Abs Dev</b>           |  |            |                |            |                |      |                |      |              |      |                   |  |  |  |  |
| <b>Avg Within Lab SD</b>        | 90.7   |            | 31.2           |            | 40.5           |      | 38.6           |      | 22.8         |      |                   |  |  |  |  |
| <b>Labs Included</b>            | 4  |            | 4              |            | 4              |      | 4              |      | 4            |      |                   |  |  |  |  |
| <b>Labs Reporting</b>           | 4  |            | 4              |            | 4              |      | 4              |      | 4            |      |                   |  |  |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-1, Mg (SubTestCode 153) | in the Mehlich-1 Multi Element (scoop) Property Groups |       |              |       |                |       |              |       |              |       | Data units: mg/kg |
|---------------------------------|--|-------|--------------|-------|----------------|-------|--------------|-------|--------------|-------|-------------------|
|                                 | SRSSRS1606   |       | SRSSRS1607   |       | SRSSRS1608     |       | SRSSRS1609   |       | SRSSRS1610   |       |                   |
| <b>YM93AG</b>                   | <b>257.4</b>   | 0.1   | <b>136.2</b> | 0.2   | <b>844.2</b>   | 0.1   | <b>216.7</b> | 0.4   | <b>376.5</b> | 2.0   |                   |
|                                 |  | 0.6   |              | 0.7   |                | 1.8   |              | 2.1   |              | 488.1 |                   |
| <b>XD4VUG</b>                   | <b>301.2</b>   | 0.7   | <b>148.3</b> | 1.2   | <b>1,543.6</b> | 1.6   | <b>234.1</b> | 0.4   | <b>93.2</b>  | 0.0   |                   |
|                                 |  | 2.8   |              | 5.0   |                | 45.5  |              | 2.4   |              | 2.1   |                   |
| <b>MFPVJN</b>                   | <b>254.7</b>   | 1.8   | <b>117.4</b> | 1.4   | <b>952.3</b>   | 1.2   | <b>200.3</b> | 1.9   | <b>91.4</b>  | 0.0   |                   |
|                                 |  | 7.8   |              | 5.8   |                | 33.5  |              | 11.1  |              | 4.6   |                   |
| <b>T8DRYH</b>                   | <b>236.0</b>   | 0.5   | <b>120.5</b> | 0.7   | <b>738.0</b>   | 0.4   | <b>206.0</b> | 0.5   | <b>98.2</b>  | 0.0   |                   |
|                                 |  | 2.2   |              | 3.0   |                | 12.3  |              | 2.8   |              | 4.0   |                   |
| <b>Grand Median</b>             |  | 256.0 |              | 128.3 |                | 898.2 |              | 211.3 |              | 95.7  |                   |
| <b>Median Abs Dev</b>           |  |       |              |       |                |       |              |       |              |       |                   |
| <b>Avg Within Lab SD</b>        |  | 4.3   |              | 4.1   |                | 28.9  |              | 6.0   |              | 244.1 |                   |
| <b>Labs Included</b>            |  | 4     |              | 4     |                | 4     |              | 4     |              | 4     |                   |
| <b>Labs Reporting</b>           |  | 4     |              | 4     |                | 4     |              | 4     |              | 4     |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-1, Mn (SubTestCode 154) | in the Mehlich-1 Multi Element (scoop) Property Groups |            |              |            |             |      |              |      |             |      | Data units: mg/kg |  |  |  |  |
|---------------------------------|--|------------|--------------|------------|-------------|------|--------------|------|-------------|------|-------------------|--|--|--|--|
|                                 | SRSSRS1606   | SRSSRS1607 | SRSSRS1608   | SRSSRS1609 | SRSSRS1610  |      |              |      |             |      | SRSSRS1610        |  |  |  |  |
| <b>YM93AG</b>                   | <b>12.88</b>   | 0.18       | <b>10.89</b> | 0.43       | <b>1.03</b> | 0.17 | <b>44.58</b> | 0.60 | <b>6.70</b> | 0.28 |                   |  |  |  |  |
|                                 |  | 0.09       |              | 0.19       |             | 0.01 |              | 0.82 |             | 0.06 |                   |  |  |  |  |
| <b>XD4VUG</b>                   | <b>12.75</b>   | 0.48       | <b>7.84</b>  | 0.99       | <b>1.45</b> | 0.67 | <b>31.35</b> | 0.22 | <b>3.84</b> | 0.22 |                   |  |  |  |  |
|                                 |  | 0.24       |              | 0.43       |             | 0.04 |              | 0.30 |             | 0.05 |                   |  |  |  |  |
| <b>MFPVJN</b>                   | <b>16.51</b>   | 1.85       | <b>7.52</b>  | 1.03       | <b>1.85</b> | 1.88 | <b>34.15</b> | 1.74 | <b>6.70</b> | 1.97 |                   |  |  |  |  |
|                                 |  | 0.93       |              | 0.45       |             | 0.11 |              | 2.38 |             | 0.43 |                   |  |  |  |  |
| <b>T8DRYH</b>                   | <b>11.17</b>   | 0.57       | <b>6.33</b>  | 1.33       | <b>1.00</b> | 0.00 | <b>35.67</b> | 0.76 | <b>8.00</b> | 0.00 |                   |  |  |  |  |
|                                 |  | 0.29       |              | 0.58       |             |      |              | 1.04 |             |      |                   |  |  |  |  |
| <b>Grand Median</b>             | 12.8   |            | 7.68         |            | 1.24        |      | 34.9         |      | 6.70        |      |                   |  |  |  |  |
| <b>Median Abs Dev</b>           |  |            |              |            |             |      |              |      |             |      |                   |  |  |  |  |
| <b>Avg Within Lab SD</b>        | 0.5  |            | 0.43         |            | 0.06        |      | 1.4          |      | 0.22        |      |                   |  |  |  |  |
| <b>Labs Included</b>            | 4  |            | 4            |            | 4           |      | 4            |      | 4           |      |                   |  |  |  |  |
| <b>Labs Reporting</b>           | 4  |            | 4            |            | 4           |      | 4            |      | 4           |      |                   |  |  |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-1, Zn (SubTestCode 155) | in the Mehlich-1 Multi Element (scoop) Property Groups |      |             |      |             |       |             |      |             |      | Data units: mg/kg |
|---------------------------------|--|------|-------------|------|-------------|-------|-------------|------|-------------|------|-------------------|
|                                 | SRSSRS1606   |      | SRSSRS1607  |      | SRSSRS1608  |       | SRSSRS1609  |      | SRSSRS1610  |      |                   |
| <b>YM93AG</b>                   | <b>2.07</b>  | 0.25 | <b>0.68</b> | 0.48 | <b>0.02</b> | 1.41  | <b>0.99</b> | 0.42 | <b>2.88</b> | 0.25 |                   |
|                                 |  | 0.01 |             | 0.01 |             | 0.00  |             | 0.02 |             | 0.01 |                   |
| <b>XD4VUG</b>                   | <b>2.18</b>  | 0.59 | <b>0.54</b> | 0.61 |             |       | <b>0.76</b> | 0.14 | <b>2.28</b> | 0.25 |                   |
|                                 |  | 0.03 |             | 0.01 |             |       |             | 0.01 |             | 0.01 |                   |
| <b>MFPVJN</b>                   | <b>2.52</b>  | 1.79 | <b>0.58</b> | 1.84 | <b>0.03</b> |       | <b>0.92</b> | 1.37 | <b>2.43</b> | 1.83 |                   |
|                                 |  | 0.08 |             | 0.04 |             | 0.00  |             | 0.05 |             | 0.07 |                   |
| <b>T8DRYH</b>                   | <b>1.62</b>  | 0.62 | <b>0.50</b> |      |             |       | <b>0.80</b> | 1.39 | <b>2.52</b> | 0.73 |                   |
|                                 |  | 0.03 |             | 0.00 |             |       |             | 0.05 |             | 0.03 |                   |
| <b>Grand Median</b>             |  | 2.13 |             | 0.56 |             | 0.022 |             | 0.86 |             | 2.47 |                   |
| <b>Median Abs Dev</b>           |  |      |             |      |             |       |             |      |             |      |                   |
| <b>Avg Within Lab SD</b>        |  | 0.05 |             | 0.02 |             | 0.002 |             | 0.04 |             | 0.04 |                   |
| <b>Labs Included</b>            |  | 4    |             | 4    |             | 2     |             | 4    |             | 4    |                   |
| <b>Labs Reporting</b>           |  | 4    |             | 4    |             | 2     |             | 4    |             | 4    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Scoop Density (SubTestCode 156) |             |       | in the Mehlich-3 Multi-Element Property Groups |             |       |      |             |       |      |             |       |      |             |       | Data units: g/cm3 |  |
|--|-------------|-------|--|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|-------------------|--|
|  | SRSSRS1606  |       |  | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |                   |  |
| <b>BYXYDC</b>                              | <b>0.78</b> | -0.65 | 1.58   | <b>0.75</b> | -0.86 | 0.95 | <b>0.85</b> | -0.71 | 0.87 | <b>0.98</b> | -0.59 | 0.59 | <b>0.97</b> | -0.64 | 0.86              |  |
|  |             | -0.23 | 0.02   |             | -0.37 | 0.03 |             | -0.26 | 0.01 |             | -0.25 | 0.01 |             | -0.34 | 0.01              |  |
| <b>9JB2YB</b>                              | <b>1.79</b> | 2.23  | 0.93   | <b>2.07</b> | 2.22  | 1.85 | <b>1.90</b> | 2.17  | 0.63 | <b>2.28</b> | 2.53  | 1.14 | <b>2.31</b> | 1.88  | 2.29              |  |
|  |             | 0.78  | 0.01   |             | 0.95  | 0.05 |             | 0.79  | 0.01 |             | 1.05  | 0.01 |             | 1.00  | 0.03              |  |
| <b>YM93AG</b>                              | <b>1.95</b> | 2.70  | 1.61   | <b>2.04</b> | 2.16  | 1.52 | <b>1.96</b> | 2.34  | 1.28 | <b>2.38</b> | 2.78  | 1.19 | <b>2.61</b> | 2.44  | 1.04              |  |
|  |             | 0.94  | 0.03   |             | 0.92  | 0.04 |             | 0.85  | 0.02 |             | 1.15  | 0.02 |             | 1.30  | 0.02              |  |
| <b>9P39J6</b>                              | <b>0.96</b> | -0.14 | 0.00   | <b>1.02</b> | -0.23 | 0.00 | <b>0.98</b> | -0.37 | 0.00 | <b>1.20</b> | -0.07 | 0.00 | <b>1.31</b> | 0.00  | 0.00              |  |
|  |             | -0.05 | 0.00   |             | -0.10 | 0.00 |             | -0.13 | 0.00 |             | -0.03 | 0.00 |             | 0.00  | 0.00              |  |
| <b>KJBZ3T</b>                              | <b>1.01</b> | 0.00  | 1.11   | <b>1.07</b> | -0.11 | 0.44 | <b>1.15</b> | 0.09  | 0.97 | <b>1.23</b> | -0.01 | 0.90 | <b>1.30</b> | -0.02 | 1.18              |  |
|  |             | 0.00  | 0.02   |             | -0.05 | 0.01 |             | 0.03  | 0.01 |             | 0.00  | 0.01 |             | -0.01 | 0.02              |  |
| <b>3HG3JC</b>                              | <b>1.16</b> | 0.43  |  | <b>1.29</b> | 0.40  |      | <b>1.32</b> | 0.57  |      | <b>1.38</b> | 0.36  |      | <b>1.57</b> | 0.49  |                   |  |
|  |             | 0.15  | 0.00   |             | 0.17  | 0.00 |             | 0.21  | 0.00 |             | 0.15  | 0.00 |             | 0.26  | 0.00              |  |
| <b>ZNYNFD</b>                              | <b>1.18</b> | 0.49  | 0.00   | <b>1.18</b> | 0.14  | 0.00 | <b>1.18</b> | 0.18  | 0.00 | <b>1.18</b> | -0.12 | 0.00 | <b>1.18</b> | -0.24 | 0.00              |  |
|  |             | 0.17  | 0.00   |             | 0.06  | 0.00 |             | 0.07  | 0.00 |             | -0.05 | 0.00 |             | -0.13 | 0.00              |  |
| <b>E8KYJY</b>                              | <b>1.07</b> | 0.16  | 0.59   | <b>1.18</b> | 0.13  | 0.21 | <b>1.11</b> | 0.00  | 0.93 | <b>1.29</b> | 0.15  | 0.24 | <b>1.35</b> | 0.07  | 0.75              |  |
|  |             | 0.06  | 0.01   |             | 0.06  | 0.01 |             | 0.00  | 0.01 |             | 0.06  | 0.00 |             | 0.04  | 0.01              |  |
| <b>GC6ZFU</b>                              | <b>0.81</b> | -0.57 | 0.37   | <b>0.83</b> | -0.68 | 0.82 | <b>1.00</b> | -0.32 | 0.64 | <b>1.06</b> | -0.41 | 1.19 | <b>1.08</b> | -0.42 | 1.68              |  |
|  |             | -0.20 | 0.01   |             | -0.29 | 0.02 |             | -0.12 | 0.01 |             | -0.17 | 0.02 |             | -0.23 | 0.02              |  |
| <b>YNEK8D</b>                              | <b>1.66</b> | 1.86  | 1.11   | <b>1.93</b> | 1.89  | 2.29 | <b>1.88</b> | 2.10  | 2.56 | <b>2.01</b> | 1.87  | 2.37 | <b>2.50</b> | 2.22  | 0.79              |  |
|  |             | 0.65  | 0.02   |             | 0.81  | 0.06 |             | 0.76  | 0.03 |             | 0.78  | 0.03 |             | 1.19  | 0.01              |  |
| <b>BX698W</b>                              | <b>1.09</b> | 0.22  | 0.81   | <b>1.08</b> | -0.10 | 0.40 | <b>1.12</b> | 0.01  | 1.32 | <b>1.23</b> | 0.00  | 1.04 | <b>1.29</b> | -0.04 | 1.08              |  |
|  |             | 0.08  | 0.01   |             | -0.04 | 0.01 |             | 0.00  | 0.02 |             | 0.00  | 0.01 |             | -0.02 | 0.02              |  |
| <b>4QUEC3</b>                              | <b>1.01</b> | -0.01 | 0.37   | <b>1.15</b> | 0.07  | 0.38 | <b>1.05</b> | -0.17 | 0.00 | <b>1.23</b> | 0.01  | 0.45 | <b>1.32</b> | 0.01  | 0.39              |  |
|  |             | 0.00  | 0.01   |             | 0.03  | 0.01 |             | -0.06 | 0.00 |             | 0.00  | 0.01 |             | 0.01  | 0.01              |  |
| <b>MZTJBK</b>                              | <b>1.01</b> | 0.00  | 1.69   | <b>1.12</b> | 0.00  | 1.00 | <b>1.09</b> | -0.05 | 0.97 | <b>1.26</b> | 0.07  | 1.55 | <b>1.54</b> | 0.43  | 0.68              |  |
|  |             | 0.00  | 0.03   |             | 0.00  | 0.03 |             | -0.02 | 0.01 |             | 0.03  | 0.02 |             | 0.23  | 0.01              |  |
| <b>6UNU32</b>                              | <b>1.00</b> | -0.02 | 0.00   | <b>1.00</b> | -0.28 | 0.00 | <b>1.00</b> | -0.30 | 0.00 | <b>1.00</b> | -0.55 | 0.00 | <b>1.00</b> | -0.58 | 0.00              |  |
|  |             | -0.01 | 0.00   |             | -0.12 | 0.00 |             | -0.11 | 0.00 |             | -0.23 | 0.00 |             | -0.31 | 0.00              |  |
| <b>HX3QCL</b>                              | <b>0.78</b> | -0.65 | 1.58   | <b>0.75</b> | -0.86 | 0.95 | <b>0.85</b> | -0.71 | 0.87 | <b>0.98</b> | -0.59 | 0.59 | <b>0.97</b> | -0.64 | 0.86              |  |
|  |             | -0.23 | 0.02   |             | -0.37 | 0.03 |             | -0.26 | 0.01 |             | -0.25 | 0.01 |             | -0.34 | 0.01              |  |
| <b>Grand Median</b>                        |             | 1.01  |  | 1.12        |       |      | 1.11        |       |      | 1.23        |       |      | 1.31        |       |                   |  |
| <b>Median Abs Dev</b>                      |             | 0.15  |  | 0.12        |       |      | 0.12        |       |      | 0.15        |       |      | 0.23        |       |                   |  |
| <b>Avg Within Lab SD</b>                   |             | 0.02  |  | 0.03        |       |      | 0.01        |       |      | 0.01        |       |      | 0.01        |       |                   |  |
| <b>Labs Included</b>                       |             | 15    |  | 15          |       |      | 15          |       |      | 15          |       |      | 15          |       |                   |  |
| <b>Labs Reporting</b>                      |             | 15    |  | 15          |       |      | 15          |       |      | 15          |       |      | 15          |       |                   |  |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, P Colorimetric (SubTestCode 157) | in the Mehlich-3 Multi-Element Property Groups |      |     |             |      |     |              |       |     |             |      |     |              |       |     | Data units: mg/kg |
|---|--|------|-----|-------------|------|-----|--------------|-------|-----|-------------|------|-----|--------------|-------|-----|-------------------|
|   | SRSSRS1606                                     |      |     | SRSSRS1607  |      |     | SRSSRS1608   |       |     | SRSSRS1609  |      |     | SRSSRS1610   |       |     |                   |
| <b>ETFYA8</b>                               | <b>35.7</b>                                    | 0.5  | 0.5 | <b>59.8</b> | 0.7  | 0.2 | <b>150.5</b> | 0.5   | 0.4 | <b>13.8</b> | -0.4 | 0.4 | <b>130.6</b> | 0.9   | 0.4 |                   |
|   |  | 2.1  | 0.4 |             | 5.0  | 0.3 |              | 7.2   | 1.3 |             | -0.7 | 0.2 |              | 17.0  | 1.1 |                   |
| <b>9JB2YB</b>                               | <b>37.7</b>                                    | 1.0  | 0.6 | <b>49.7</b> | -0.8 | 0.4 | <b>160.3</b> | 1.2   | 0.7 | <b>16.3</b> | 0.9  | 1.1 | <b>148.0</b> | 1.7   | 1.0 |                   |
|   |  | 4.1  | 0.6 |             | -5.2 | 0.6 |              | 17.1  | 2.1 |             | 1.8  | 0.6 |              | 34.3  | 2.6 |                   |
| <b>HML4ZY</b>                               | <b>34.7</b>                                    | 0.2  | 0.6 | <b>61.0</b> | 0.9  |     | <b>140.7</b> | -0.2  | 1.6 | <b>15.3</b> | 0.4  | 1.1 | <b>115.3</b> | 0.1   | 0.6 |                   |
|   |  | 1.1  | 0.6 |             | 6.2  | 0.0 |              | -2.6  | 4.5 |             | 0.8  | 0.6 |              | 1.7   | 1.5 |                   |
| <b>ZNYNFD</b>                               | <b>32.0</b>                                    | -0.4 |     | <b>48.3</b> | -1.0 | 0.4 | <b>143.3</b> | 0.0   | 2.0 | <b>15.0</b> | 0.3  |     | <b>100.0</b> | -0.7  |     |                   |
|   |  | -1.6 | 0.0 |             | -6.5 | 0.6 |              | 0.1   | 5.8 |             | 0.5  | 0.0 |              | -13.7 | 0.0 |                   |
| <b>XV4JLF</b>                               | <b>29.0</b>                                    | -1.1 |     | <b>54.0</b> | -0.1 |     | <b>112.0</b> | -2.3  |     | <b>15.0</b> | 0.3  |     | <b>94.0</b>  | -1.0  |     |                   |
|   |  | -4.6 | 0.0 |             | -0.8 | 0.0 |              | -31.3 | 0.0 |             | 0.5  | 0.0 |              | -19.7 | 0.0 |                   |
| <b>3B3GB8</b>                               | <b>32.8</b>                                    | -0.2 | 0.6 | <b>54.3</b> | -0.1 | 0.9 | <b>145.0</b> | 0.1   |     | <b>12.7</b> | -0.9 | 0.5 | <b>98.3</b>  | -0.8  | 2.4 |                   |
|   |  | -0.8 | 0.6 |             | -0.5 | 1.2 |              | 1.8   | 0.0 |             | -1.8 | 0.3 |              | -15.3 | 6.4 |                   |
| <b>6J7BH6</b>                               | <b>33.2</b>                                    | -0.1 | 0.3 | <b>55.3</b> | 0.1  | 0.2 | <b>143.2</b> | 0.0   | 0.3 | <b>13.5</b> | -0.5 | 0.1 | <b>108.5</b> | -0.3  | 0.5 |                   |
|   |  | -0.4 | 0.3 |             | 0.5  | 0.3 |              | -0.1  | 0.8 |             | -1.0 | 0.1 |              | -5.2  | 1.3 |                   |
| <b>V3RMFD</b>                               | <b>34.0</b>                                    | 0.1  | 2.2 | <b>53.7</b> | -0.2 | 0.9 | <b>141.0</b> | -0.2  | 0.4 | <b>13.0</b> | -0.8 | 1.9 | <b>122.3</b> | 0.4   | 0.8 |                   |
|   |  | 0.4  | 2.0 |             | -1.2 | 1.2 |              | -2.3  | 1.0 |             | -1.5 | 1.0 |              | 8.7   | 2.1 |                   |
| <b>DTNJLQ</b>                               | <b>33.0</b>                                    | -0.1 |     | <b>60.0</b> | 0.8  |     | <b>138.0</b> | -0.4  |     | <b>14.0</b> | -0.3 |     | <b>112.0</b> | -0.1  |     |                   |
|   |  | -0.6 | 0.0 |             | 5.2  | 0.0 |              | -5.3  | 0.0 |             | -0.5 | 0.0 |              | -1.7  | 0.0 |                   |
| <b>9KRXTW</b>                               | <b>46.7</b>                                    | 3.1  | 1.9 | <b>68.9</b> | 2.1  | 2.8 | <b>169.3</b> | 1.9   | 1.6 | <b>18.7</b> | 2.1  | 1.9 | <b>129.7</b> | 0.8   | 1.4 |                   |
|   |  | 13.1 | 1.7 |             | 14.1 | 3.8 |              | 26.1  | 4.5 |             | 4.2  | 1.0 |              | 16.0  | 3.8 |                   |
| <b>Grand Median</b>                         |  | 33.6 |     | 54.8        |      |     | 143.3        |       |     | 14.5        |      |     | 113.7        |       |     |                   |
| <b>Median Abs Dev</b>                       |  | 1.3  |     | 5.1         |      |     | 3.9          |       |     | 0.9         |      |     | 14.5         |       |     |                   |
| <b>Avg Within Lab SD</b>                    |  | 0.9  |     | 1.3         |      |     | 2.9          |       |     | 0.5         |      |     | 2.7          |       |     |                   |
| <b>Labs Included</b>                        |  | 10   |     | 10          |      |     | 10           |       |     | 10          |      |     | 10           |       |     |                   |
| <b>Labs Reporting</b>                       |  | 10   |     | 10          |      |     | 10           |       |     | 10          |      |     | 10           |       |     |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, P ICP-AES (SubTestCode 158) | in the Mehlich-3 Multi-Element Property Groups |       |     |              |       |      |              |       |     |             |      |     |              |       |     | Data units: mg/kg |
|--|--|-------|-----|--------------|-------|------|--------------|-------|-----|-------------|------|-----|--------------|-------|-----|-------------------|
|  | SRSSRS1606                                     |       |     | SRSSRS1607   |       |      | SRSSRS1608   |       |     | SRSSRS1609  |      |     | SRSSRS1610   |       |     |                   |
| <b>P2ZHHY</b>                          | <b>31.3</b>                                    | -1.0  | 0.5 | <b>66.2</b>  | 0.2   | 0.3  | <b>129.3</b> | -0.5  | 0.4 | <b>12.3</b> | -0.7 | 0.3 | <b>150.5</b> | 0.1   |     |                   |
|  |  | -9.2  | 0.8 |              | 2.0   | 0.6  |              | -12.8 | 1.3 |             | -3.0 | 0.3 |              | 3.3   | 0.0 |                   |
| <b>BYXYDC</b>                          | <b>40.1</b>                                    | 0.0   | 0.2 | <b>65.1</b>  | 0.1   | 0.7  | <b>150.2</b> | 0.3   | 0.6 | <b>14.7</b> | -0.1 | 0.9 | <b>155.0</b> | 0.3   | 0.5 |                   |
|  |  | -0.4  | 0.2 |              | 1.0   | 1.4  |              | 8.2   | 2.0 |             | -0.5 | 0.8 |              | 7.8   | 1.7 |                   |
| <b>UJH8JT</b>                          | <b>49.1</b>                                    | 0.9   | 0.4 | <b>77.4</b>  | 1.5   | 0.3  | <b>189.2</b> | 2.0   | 0.3 | <b>18.5</b> | 0.8  | 0.2 | <b>177.0</b> | 1.1   | 0.3 |                   |
|  |  | 8.5   | 0.6 |              | 13.3  | 0.5  |              | 47.2  | 1.2 |             | 3.3  | 0.2 |              | 29.8  | 1.0 |                   |
| <b>WPJ78M</b>                          | <b>199.3</b>                                   | 17.1  | 4.7 | <b>290.7</b> | 25.4  | 8.3  | <b>637.3</b> | 20.7  | 2.3 | <b>72.0</b> | 14.0 | 5.9 | <b>699.3</b> | 20.8  | 1.2 |                   |
|  |  | 158.8 | 7.0 |              | 226.5 | 16.7 |              | 495.3 | 8.1 |             | 56.8 | 5.3 |              | 552.1 | 4.2 |                   |
| <b>NM37AU</b>                          | <b>42.2</b>                                    | 0.2   | 0.9 | <b>68.1</b>  | 0.4   | 1.2  | <b>148.0</b> | 0.3   | 0.4 | <b>17.4</b> | 0.5  | 0.7 | <b>151.6</b> | 0.2   | 0.1 |                   |
|  |  | 1.6   | 1.3 |              | 3.9   | 2.3  |              | 6.0   | 1.4 |             | 2.2  | 0.6 |              | 4.4   | 0.4 |                   |
| <b>PDR4NU</b>                          | <b>50.0</b>                                    | 1.0   |     | <b>71.7</b>  | 0.8   | 1.4  | <b>86.7</b>  | -2.3  | 0.8 | <b>20.0</b> | 1.2  |     | <b>153.3</b> | 0.2   | 0.8 |                   |
|  |  | 9.4   | 0.0 |              | 7.5   | 2.9  |              | -55.3 | 2.9 |             | 4.8  | 0.0 |              | 6.1   | 2.9 |                   |
| <b>WP3AEN</b>                          | <b>31.6</b>                                    | -1.0  | 0.6 | <b>52.5</b>  | -1.3  | 0.7  | <b>113.3</b> | -1.2  | 1.1 | <b>18.7</b> | 0.8  | 1.3 | <b>106.3</b> | -1.5  | 1.2 |                   |
|  |  | -9.0  | 0.9 |              | -11.6 | 1.5  |              | -28.7 | 3.8 |             | 3.5  | 1.2 |              | -40.9 | 4.0 |                   |
| <b>JMZPA2</b>                          | <b>36.5</b>                                    | -0.4  | 1.2 | <b>62.8</b>  | -0.1  | 1.6  | <b>136.1</b> | -0.2  | 0.7 | <b>13.3</b> | -0.5 | 1.3 | <b>139.2</b> | -0.3  | 0.8 |                   |
|  |  | -4.0  | 1.7 |              | -1.3  | 3.3  |              | -5.9  | 2.5 |             | -2.0 | 1.2 |              | -8.0  | 2.7 |                   |
| <b>YM93AG</b>                          | <b>37.2</b>                                    | -0.4  | 0.0 | <b>56.6</b>  | -0.8  | 0.1  | <b>130.8</b> | -0.5  | 0.3 | <b>15.2</b> | 0.0  | 0.4 | <b>147.9</b> | 0.0   | 0.1 |                   |
|  |  | -3.4  | 0.1 |              | -7.5  | 0.3  |              | -11.2 | 1.2 |             | 0.0  | 0.3 |              | 0.7   | 0.3 |                   |
| <b>JDB3EY</b>                          | <b>38.5</b>                                    | -0.2  | 1.0 | <b>63.9</b>  | 0.0   | 0.9  | <b>143.1</b> | 0.0   | 0.3 | <b>14.5</b> | -0.2 | 0.5 | <b>152.2</b> | 0.2   | 0.9 |                   |
|  |  | -2.1  | 1.6 |              | -0.2  | 1.8  |              | 1.1   | 1.2 |             | -0.7 | 0.5 |              | 5.0   | 3.0 |                   |
| <b>9P39J6</b>                          | <b>37.4</b>                                    | -0.3  | 0.3 | <b>57.2</b>  | -0.8  | 0.5  | <b>131.1</b> | -0.5  | 0.7 | <b>15.5</b> | 0.1  | 0.6 | <b>147.2</b> | 0.0   | 0.4 |                   |
|  |  | -3.2  | 0.5 |              | -7.0  | 0.9  |              | -10.9 | 2.5 |             | 0.3  | 0.6 |              | 0.0   | 1.5 |                   |
| <b>KJBZ3T</b>                          | <b>61.3</b>                                    | 2.2   | 3.1 | <b>78.7</b>  | 1.6   | 0.8  | <b>187.0</b> | 1.9   | 1.3 | <b>22.3</b> | 1.8  | 1.3 | <b>161.0</b> | 0.5   | 0.9 |                   |
|  |  | 20.8  | 4.6 |              | 14.5  | 1.5  |              | 45.0  | 4.6 |             | 7.1  | 1.2 |              | 13.8  | 3.0 |                   |
| <b>3HG3JC</b>                          | <b>36.0</b>                                    | -0.5  |     | <b>51.0</b>  | -1.5  |      | <b>122.0</b> | -0.8  |     | <b>11.0</b> | -1.0 |     | <b>64.0</b>  | -3.1  |     |                   |
|  |  | -4.6  | 0.0 |              | -13.1 | 0.0  |              | -20.0 | 0.0 |             | -4.2 | 0.0 |              | -83.2 | 0.0 |                   |
| <b>VMZPEH</b>                          | <b>43.4</b>                                    | 0.3   | 0.4 | <b>63.3</b>  | -0.1  | 0.3  | <b>146.1</b> | 0.2   | 1.1 | <b>16.7</b> | 0.4  | 1.0 | <b>148.3</b> | 0.0   | 2.3 |                   |
|  |  | 2.8   | 0.6 |              | -0.9  | 0.5  |              | 4.1   | 4.0 |             | 1.5  | 0.9 |              | 1.1   | 7.9 |                   |
| <b>E8KYJY</b>                          | <b>40.6</b>                                    | 0.0   | 1.3 | <b>65.7</b>  | 0.2   | 0.5  | <b>135.0</b> | -0.3  | 1.3 | <b>14.3</b> | -0.2 | 0.2 | <b>133.3</b> | -0.5  | 0.7 |                   |
|  |  | 0.0   | 2.0 |              | 1.5   | 1.0  |              | -7.0  | 4.6 |             | -0.9 | 0.2 |              | -13.9 | 2.5 |                   |
| <b>T67A2M</b>                          | <b>45.0</b>                                    | 0.5   | 0.2 | <b>70.1</b>  | 0.7   | 0.6  | <b>147.4</b> | 0.2   | 0.9 | <b>25.7</b> | 2.6  | 0.0 | <b>161.6</b> | 0.5   | 0.3 |                   |
|  |  | 4.4   | 0.3 |              | 6.0   | 1.2  |              | 5.4   | 3.2 |             | 10.5 | 0.0 |              | 14.4  | 1.0 |                   |
| <b>Q2DTBN</b>                          | <b>41.9</b>                                    | 0.1   | 0.9 | <b>47.2</b>  | -1.9  | 0.2  | <b>145.7</b> | 0.2   | 0.3 | <b>14.4</b> | -0.2 | 0.6 | <b>137.0</b> | -0.4  | 0.8 |                   |
|  |  | 1.3   | 1.3 |              | -16.9 | 0.4  |              | 3.7   | 1.2 |             | -0.9 | 0.5 |              | -10.2 | 2.6 |                   |
| <b>WWZ2MH</b>                          | <b>42.4</b>                                    | 0.2   | 0.0 | <b>69.2</b>  | 0.6   | 0.0  | <b>142.0</b> | 0.0   |     | <b>18.0</b> | 0.7  |     | <b>148.0</b> | 0.0   |     |                   |
|  |  | 1.9   | 0.0 |              | 5.1   | 0.0  |              | 0.0   | 0.0 |             | 2.8  | 0.0 |              | 0.8   | 0.0 |                   |
| <b>GC6ZFU</b>                          | <b>39.1</b>                                    | -0.2  | 0.4 | <b>61.1</b>  | -0.3  | 1.2  | <b>141.8</b> | 0.0   | 0.2 | <b>13.5</b> | -0.4 | 1.3 | <b>147.2</b> | 0.0   | 0.4 |                   |
|  |  | -1.4  | 0.5 |              | -3.0  | 2.5  |              | -0.2  | 0.8 |             | -1.7 | 1.2 |              | 0.0   | 1.4 |                   |
| <b>2RDHVB</b>                          | <b>40.7</b>                                    | 0.0   | 0.8 | <b>61.7</b>  | -0.3  | 1.6  | <b>132.7</b> | -0.4  | 0.6 | <b>14.3</b> | -0.2 | 0.6 | <b>124.7</b> | -0.8  | 1.4 |                   |
|  |  | 0.1   | 1.2 |              | -2.5  | 3.2  |              | -9.3  | 2.1 |             | -0.9 | 0.6 |              | -22.5 | 4.9 |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|-------------|------------|---------|-------------|------------|---------|--------------|------------|---------|-------------|------------|---------|--------------|------------|---------|
|                          |             | Difference | W/L STD |             | Difference | W/L STD |              | Difference | W/L STD |             | Difference | W/L STD |              | Difference | W/L STD |
| <b>YNEK8D</b>            | <b>53.3</b> | 1.4        | 0.8     | <b>70.3</b> | 0.7        | 0.7     | <b>160.6</b> | 0.8        | 0.7     | <b>15.9</b> | 0.2        | 1.7     | <b>131.9</b> | -0.6       | 0.7     |
|                          |             | 12.7       | 1.2     |             | 6.1        | 1.5     |              | 18.6       | 2.6     |             | 0.7        | 1.5     |              | -15.3      | 2.3     |
| <b>PZ7RCJ</b>            | <b>35.9</b> | -0.5       | 0.1     | <b>65.3</b> | 0.1        | 0.1     | <b>141.1</b> | 0.0        | 0.8     | <b>15.0</b> | -0.1       | 0.1     | <b>133.9</b> | -0.5       | 0.3     |
|                          |             | -4.7       | 0.2     |             | 1.1        | 0.2     |              | -0.9       | 2.7     |             | -0.2       | 0.1     |              | -13.3      | 1.0     |
| <b>BX698W</b>            | <b>46.2</b> | 0.6        | 1.8     | <b>70.2</b> | 0.7        | 0.4     | <b>163.3</b> | 0.9        | 0.3     | <b>17.0</b> | 0.4        | 0.2     | <b>157.0</b> | 0.4        | 0.9     |
|                          |             | 5.7        | 2.7     |             | 6.1        | 0.8     |              | 21.3       | 1.2     |             | 1.8        | 0.2     |              | 9.8        | 3.0     |
| <b>7KWVN2</b>            | <b>36.2</b> | -0.5       | 0.6     | <b>60.5</b> | -0.4       | 0.9     | <b>124.5</b> | -0.7       | 1.2     | <b>14.6</b> | -0.2       | 0.6     | <b>118.5</b> | -1.1       | 0.7     |
|                          |             | -4.4       | 0.8     |             | -3.6       | 1.8     |              | -17.5      | 4.2     |             | -0.7       | 0.6     |              | -28.7      | 2.3     |
| <b>9WKG82</b>            | <b>87.3</b> | 5.0        | 1.8     | <b>62.3</b> | -0.2       | 1.4     | <b>167.1</b> | 1.1        | 2.0     | <b>32.3</b> | 4.2        | 2.9     | <b>142.2</b> | -0.2       | 1.9     |
|                          |             | 46.7       | 2.7     |             | -1.8       | 2.8     |              | 25.1       | 7.0     |             | 17.1       | 2.6     |              | -5.0       | 6.6     |
| <b>ABZYEY</b>            | <b>31.4</b> | -1.0       | 0.4     | <b>64.7</b> | 0.1        | 0.2     | <b>107.7</b> | -1.4       | 0.4     | <b>13.3</b> | -0.5       | 0.3     | <b>121.3</b> | -1.0       | 0.7     |
|                          |             | -9.1       | 0.6     |             | 0.5        | 0.3     |              | -34.3      | 1.5     |             | -1.9       | 0.3     |              | -25.9      | 2.3     |
| <b>MAXQQK</b>            | <b>46.0</b> | 0.6        | 1.3     | <b>62.0</b> | -0.2       | 1.3     | <b>146.0</b> | 0.2        | 1.4     | <b>14.3</b> | -0.2       | 0.6     | <b>117.3</b> | -1.1       | 0.4     |
|                          |             | 5.4        | 2.0     |             | -2.1       | 2.6     |              | 4.0        | 5.0     |             | -0.9       | 0.6     |              | -29.9      | 1.5     |
| <b>MZTJBK</b>            | <b>39.8</b> | -0.1       | 0.1     | <b>64.1</b> | 0.0        | 1.9     | <b>148.7</b> | 0.3        | 1.6     | <b>14.8</b> | -0.1       | 1.0     | <b>176.7</b> | 1.1        | 1.9     |
|                          |             | -0.7       | 0.1     |             | 0.0        | 3.8     |              | 6.7        | 5.6     |             | -0.5       | 0.9     |              | 29.5       | 6.6     |
| <b>2YQUN2</b>            | <b>46.8</b> | 0.7        | 0.6     | <b>85.9</b> | 2.4        | 1.2     | <b>194.3</b> | 2.2        | 1.1     | <b>17.7</b> | 0.6        | 0.6     | <b>182.1</b> | 1.3        | 0.8     |
|                          |             | 6.2        | 0.9     |             | 21.8       | 2.4     |              | 52.3       | 3.9     |             | 2.5        | 0.6     |              | 34.9       | 2.6     |
| <b>HX3QCL</b>            | <b>43.3</b> | 0.3        | 0.3     | <b>61.3</b> | -0.3       | 0.7     | <b>145.6</b> | 0.2        | 0.5     | <b>16.4</b> | 0.3        | 0.8     | <b>136.2</b> | -0.4       | 1.5     |
|                          |             | 2.7        | 0.4     |             | -2.8       | 1.4     |              | 3.6        | 1.9     |             | 1.2        | 0.7     |              | -11.0      | 5.0     |
| <b>GF8XQM</b>            | <b>34.7</b> | -0.6       | 0.4     | <b>74.0</b> | 1.1        | 0.5     | <b>131.7</b> | -0.4       | 0.4     | <b>18.0</b> | 0.7        | 2.2     | <b>113.7</b> | -1.3       | 0.3     |
|                          |             | -5.9       | 0.6     |             | 9.9        | 1.0     |              | -10.3      | 1.5     |             | 2.8        | 2.0     |              | -33.5      | 1.2     |
| <b>N6HFCF</b>            | <b>38.9</b> | -0.2       | 1.9     | <b>52.4</b> | -1.3       | 2.5     | <b>118.7</b> | -1.0       | 2.9     | <b>11.1</b> | -1.0       | 0.9     | <b>94.7</b>  | -2.0       | 1.9     |
|                          |             | -1.7       | 2.9     |             | -11.8      | 5.1     |              | -23.3      | 10.0    |             | -4.1       | 0.8     |              | -52.5      | 6.4     |
| <b>Grand Median</b>      |             | 40.6       |         |             | 64.1       |         |              | 142.0      |         |             | 15.2       |         |              | 147.2      |         |
| <b>Median Abs Dev</b>    |             | 4.4        |         |             | 3.9        |         |              | 10.3       |         |             | 1.8        |         |              | 13.3       |         |
| <b>Avg Within Lab SD</b> |             | 1.5        |         |             | 2.0        |         |              | 3.5        |         |             | 0.9        |         |              | 3.4        |         |
| <b>Labs Included</b>     |             | 31         |         |             | 31         |         |              | 31         |         |             | 31         |         |              | 31         |         |
| <b>Labs Reporting</b>    |             | 31         |         |             | 31         |         |              | 31         |         |             | 31         |         |              | 31         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, K (SubTestCode 159) |                |         | in the Mehlich-3 Multi-Element Property Groups |              |       |            |                |         |            |              |       |            |              |       | Data units: mg/kg |  |  |
|--------------------------------|----------------|---------|--|--------------|-------|------------|----------------|---------|------------|--------------|-------|------------|--------------|-------|-------------------|--|--|
| SRSSRS1606                     |                |         | SRSSRS1607                                     |              |       | SRSSRS1608 |                |         | SRSSRS1609 |              |       | SRSSRS1610 |              |       |                   |  |  |
| <b>P2ZHHY</b>                  | <b>692.0</b>   | -0.4    | 0.1  | <b>118.0</b> | -0.5  | 0.2        | <b>522.0</b>   | -0.2    | 1.3        | <b>98.8</b>  | -0.4  | 0.8        | <b>109.3</b> | 0.2   | 0.3               |  |  |
|                                |                | -45.8   | 1.0  |              | -10.9 | 1.5        |                | -12.7   | 20.5       |              | -7.9  | 3.3        |              | 4.0   | 1.3               |  |  |
| <b>BYXYDC</b>                  | <b>739.0</b>   | 0.0     | 0.1  | <b>126.4</b> | -0.1  | 0.4        | <b>508.8</b>   | -0.4    | 0.1        | <b>109.9</b> | 0.2   | 2.4        | <b>111.5</b> | 0.4   | 0.3               |  |  |
|                                |                | 1.2     | 0.9  |              | -2.6  | 2.9        |                | -25.9   | 1.9        |              | 3.3   | 10.3       |              | 6.3   | 1.0               |  |  |
| <b>UJH8JT</b>                  | <b>956.6</b>   | 2.0     | 0.6  | <b>161.9</b> | 1.4   | 0.2        | <b>656.6</b>   | 1.7     | 0.2        | <b>124.7</b> | 1.0   | 0.2        | <b>117.6</b> | 0.7   | 0.2               |  |  |
|                                |                | 218.8   | 10.9   |              | 33.0  | 1.5        |                | 121.9   | 2.6        |              | 18.1  | 0.9        |              | 12.4  | 0.8               |  |  |
| <b>WPJ78M</b>                  | <b>2,925.3</b> | 20.5    | 18.8   | <b>600.7</b> | 20.3  | 3.4        | <b>2,395.3</b> | 25.4    | 2.0        | <b>486.7</b> | 21.5  | 3.6        | <b>451.3</b> | 19.5  | 7.1               |  |  |
|                                |                | 2,187.5 | 325.0  |              | 471.7 | 23.4       |                | 1,860.7 | 32.1       |              | 380.1 | 15.3       |              | 346.1 | 29.7              |  |  |
| <b>PDR4NU</b>                  | <b>760.0</b>   | 0.2     |  | <b>138.3</b> | 0.4   | 0.8        | <b>561.7</b>   | 0.4     | 0.6        | <b>111.7</b> | 0.3   | 0.7        | <b>110.0</b> | 0.3   |                   |  |  |
|                                |                | 22.2    | 0.0  |              | 9.4   | 5.8        |                | 27.0    | 10.4       |              | 5.1   | 2.9        |              | 4.7   | 0.0               |  |  |
| <b>WP3AEN</b>                  | <b>621.3</b>   | -1.1    | 0.8  | <b>128.7</b> | 0.0   | 1.0        | <b>384.9</b>   | -2.0    | 0.4        | <b>121.3</b> | 0.8   | 1.4        | <b>102.2</b> | -0.2  | 1.0               |  |  |
|                                |                | -116.5  | 13.5   |              | -0.3  | 6.5        |                | -149.7  | 6.0        |              | 14.7  | 5.9        |              | -3.1  | 4.4               |  |  |
| <b>9JB2YB</b>                  | <b>749.3</b>   | 0.1     | 0.5  | <b>140.0</b> | 0.5   | 0.4        | <b>535.0</b>   | 0.0     | 0.2        | <b>109.3</b> | 0.2   | 0.1        | <b>112.3</b> | 0.4   | 0.6               |  |  |
|                                |                | 11.5    | 8.0  |              | 11.1  | 2.6        |                | 0.3     | 3.0        |              | 2.7   | 0.6        |              | 7.1   | 2.3               |  |  |
| <b>JMZPA2</b>                  | <b>618.3</b>   | -1.1    | 0.5  | <b>119.9</b> | -0.4  | 0.9        | <b>440.6</b>   | -1.3    | 0.1        | <b>85.3</b>  | -1.2  | 1.0        | <b>100.0</b> | -0.3  | 0.6               |  |  |
|                                |                | -119.5  | 7.9  |              | -9.1  | 6.1        |                | -94.1   | 2.2        |              | -21.3 | 4.0        |              | -5.3  | 2.5               |  |  |
| <b>YM93AG</b>                  | <b>701.7</b>   | -0.3    | 0.6  | <b>138.5</b> | 0.4   | 0.2        | <b>515.0</b>   | -0.3    | 0.2        | <b>107.1</b> | 0.0   | 0.4        | <b>118.0</b> | 0.7   | 0.2               |  |  |
|                                |                | -36.2   | 10.4   |              | 9.5   | 1.7        |                | -19.7   | 3.5        |              | 0.5   | 1.6        |              | 12.7  | 0.8               |  |  |
| <b>JDB3EY</b>                  | <b>729.7</b>   | -0.1    | 2.2  | <b>128.1</b> | 0.0   | 0.3        | <b>567.7</b>   | 0.5     | 1.0        | <b>103.4</b> | -0.2  | 0.2        | <b>114.0</b> | 0.5   | 0.2               |  |  |
|                                |                | -8.2    | 38.4   |              | -0.9  | 2.1        |                | 33.0    | 15.3       |              | -3.2  | 1.0        |              | 8.8   | 0.9               |  |  |
| <b>9P39J6</b>                  | <b>694.5</b>   | -0.4    | 0.3  | <b>138.9</b> | 0.4   | 0.4        | <b>517.8</b>   | -0.2    | 0.7        | <b>106.2</b> | 0.0   | 0.2        | <b>117.3</b> | 0.7   | 0.2               |  |  |
|                                |                | -43.3   | 5.2  |              | 10.0  | 3.1        |                | -16.8   | 11.5       |              | -0.5  | 1.0        |              | 12.0  | 1.0               |  |  |
| <b>KJBZ3T</b>                  | <b>829.3</b>   | 0.9     | 0.6  | <b>134.3</b> | 0.2   | 0.3        | <b>614.3</b>   | 1.1     | 0.6        | <b>96.0</b>  | -0.6  | 0.2        | <b>93.3</b>  | -0.7  | 0.4               |  |  |
|                                |                | 91.5    | 11.0   |              | 5.4   | 2.1        |                | 79.7    | 10.1       |              | -10.6 | 1.0        |              | -12.0 | 1.5               |  |  |
| <b>3HG3JC</b>                  | <b>570.0</b>   | -1.6    |  | <b>102.0</b> | -1.2  |            | <b>394.0</b>   | -1.9    |            | <b>73.0</b>  | -1.9  |            | <b>60.0</b>  | -2.6  |                   |  |  |
|                                |                | -167.8  | 0.0  |              | -26.9 | 0.0        |                | -140.7  | 0.0        |              | -33.6 | 0.0        |              | -45.3 | 0.0               |  |  |
| <b>VMZPEH</b>                  | <b>729.6</b>   | -0.1    | 0.0  | <b>129.2</b> | 0.0   | 1.1        | <b>594.7</b>   | 0.8     | 1.3        | <b>103.5</b> | -0.2  | 1.3        | <b>109.7</b> | 0.2   | 1.2               |  |  |
|                                |                | -8.3    | 0.8  |              | 0.2   | 7.6        |                | 60.0    | 20.9       |              | -3.1  | 5.5        |              | 4.4   | 4.8               |  |  |
| <b>ZNYNFD</b>                  | <b>664.7</b>   | -0.7    | 1.3  | <b>114.0</b> | -0.6  | 0.4        | <b>446.3</b>   | -1.2    | 0.3        | <b>99.3</b>  | -0.4  | 0.8        | <b>92.0</b>  | -0.8  | 0.2               |  |  |
|                                |                | -73.2   | 22.1   |              | -14.9 | 3.0        |                | -88.3   | 4.7        |              | -7.3  | 3.5        |              | -13.3 | 1.0               |  |  |
| <b>E8KYJY</b>                  | <b>701.7</b>   | -0.3    | 0.2  | <b>120.7</b> | -0.4  | 0.4        | <b>514.0</b>   | -0.3    | 0.6        | <b>101.4</b> | -0.3  | 0.7        | <b>93.4</b>  | -0.7  | 0.3               |  |  |
|                                |                | -36.2   | 4.0  |              | -8.3  | 2.5        |                | -20.7   | 10.4       |              | -5.3  | 3.0        |              | -11.9 | 1.3               |  |  |
| <b>XV4JLF</b>                  | <b>754.0</b>   | 0.2     |  | <b>132.0</b> | 0.1   |            | <b>512.0</b>   | -0.3    |            | <b>112.0</b> | 0.3   |            | <b>106.0</b> | 0.0   |                   |  |  |
|                                |                | 16.2    | 0.0  |              | 3.1   | 0.0        |                | -22.7   | 0.0        |              | 5.4   | 0.0        |              | 0.7   | 0.0               |  |  |
| <b>T67A2M</b>                  | <b>753.3</b>   | 0.1     | 1.0  | <b>295.5</b> | 7.1   | 0.6        | <b>480.7</b>   | -0.7    | 0.7        | <b>202.3</b> | 5.4   | 1.0        | <b>135.1</b> | 1.7   | 0.5               |  |  |
|                                |                | 15.5    | 17.1   |              | 166.5 | 4.1        |                | -54.0   | 10.4       |              | 95.7  | 4.2        |              | 29.8  | 2.2               |  |  |
| <b>Q2DTBN</b>                  | <b>681.7</b>   | -0.5    | 0.2  | <b>107.0</b> | -0.9  | 0.4        | <b>457.7</b>   | -1.1    | 0.2        | <b>99.3</b>  | -0.4  | 0.1        | <b>106.3</b> | 0.1   | 0.1               |  |  |
|                                |                | -56.2   | 3.8  |              | -21.9 | 2.6        |                | -77.0   | 2.5        |              | -7.3  | 0.6        |              | 1.1   | 0.6               |  |  |
| <b>WWZ2MH</b>                  | <b>1,090.0</b> | 3.3     | 0.1  | <b>113.1</b> | -0.7  | 0.0        | <b>557.0</b>   | 0.3     |            | <b>92.4</b>  | -0.8  | 0.0        | <b>104.0</b> | -0.1  |                   |  |  |
|                                |                | 352.2   | 1.0  |              | -15.9 | 0.1        |                | 22.3    | 0.0        |              | -14.2 | 0.0        |              | -1.3  | 0.0               |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|               | Sample Mean  |         |         | Z Score      |         |         | k Score      |         |         | Sample Mean  |         |         | Z Score      |         |         | k Score     |         |         | Sample Mean |         |         | Z Score     |         |         | k Score     |         |         |             |         |         |
|---------------|--------------|---------|---------|--------------|---------|---------|--------------|---------|---------|--------------|---------|---------|--------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
|               | Difference   |         |         | W/L STD      |         |         | Difference   |         |         | W/L STD      |         |         | Difference   |         |         | W/L STD     |         |         | Difference  |         |         | W/L STD     |         |         | Difference  |         |         | W/L STD     |         |         |
|               | 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 | 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 |
| <b>GC6ZFU</b> | <b>736.7</b> | 0.0     | 0.5     | <b>122.0</b> | -0.3    | 1.1     | <b>470.2</b> | -0.9    | 0.3     | <b>108.1</b> | 0.1     | 0.3     | <b>96.6</b>  | -0.5    | 0.6     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -1.2    | 9.4     |              | -7.0    | 7.3     |              | -64.5   | 5.5     |              | 1.4     | 1.1     |              | -8.7    | 2.3     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 1.0     | 0.9     |              | 0.9     | 0.6     |              | 0.0     | 0.2     |              | -0.2    | 0.6     |              | -0.6    | 0.4     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>2RDHVB</b> | <b>844.0</b> | 106.2   | 15.7    | <b>150.7</b> | 21.7    | 4.2     | <b>534.3</b> | -0.3    | 3.5     | <b>103.7</b> | -3.0    | 2.5     | <b>94.0</b>  | -11.3   | 1.7     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 0.0     | 0.6     |              | 0.5     | 0.3     |              | 0.5     | 0.5     |              | -0.3    | 0.7     |              | -0.3    | 0.3     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>3B3GB8</b> | <b>740.0</b> | 2.2     | 10.0    | <b>140.0</b> | 11.1    | 2.0     | <b>570.0</b> | 35.3    | 0.0     | <b>100.7</b> | -6.0    | 3.1     | <b>99.3</b>  | -6.0    | 1.2     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.3    | 0.3     |              | -0.3    | 0.2     |              | 0.2     | 0.2     |              | -0.5    | 0.0     |              | -0.6    | 0.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>6J7BH6</b> | <b>710.0</b> | -27.8   | 5.0     | <b>121.5</b> | -7.5    | 1.3     | <b>546.0</b> | 11.3    | 3.6     | <b>98.2</b>  | -8.5    | 0.2     |              | -10.8   | 0.5     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.4    | 1.3     |              | -1.0    | 0.3     |              | 0.5     | 0.2     |              | 1.7     | 2.4     |              | -1.6    | 2.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>YNEK8D</b> | <b>696.6</b> | -41.2   | 22.2    | <b>106.3</b> | -22.7   | 1.9     | <b>572.2</b> | 37.6    | 3.6     | <b>135.9</b> | 29.2    | 10.0    |              | -28.8   | 8.7     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.6    | 1.1     |              | 0.0     | 0.3     |              | 0.5     | 0.4     |              | -0.4    | 0.3     |              | 0.5     | 0.4     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>V3RMFD</b> | <b>674.7</b> | -63.2   | 19.0    | <b>128.7</b> | -0.2    | 2.3     | <b>574.1</b> | 39.5    | 7.0     | <b>100.3</b> | -6.3    | 1.2     | <b>113.5</b> | 8.3     | 1.9     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.2    | 0.7     |              | 0.4     | 0.7     |              | -0.3    | 0.3     |              | 0.1     | 0.4     |              | -0.3    | 0.5     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>PZ7RCJ</b> | <b>719.8</b> | -18.0   | 11.5    | <b>138.3</b> | 9.4     | 4.6     | <b>514.2</b> | -20.5   | 4.4     | <b>108.7</b> | 2.1     | 1.6     | <b>100.7</b> | -4.6    | 2.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 1.3     | 1.4     |              | 0.9     | 0.5     |              | 0.9     | 0.2     |              | 0.6     | 0.6     |              | 0.7     | 1.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>BX698W</b> | <b>879.0</b> | 141.2   | 24.3    | <b>149.7</b> | 20.7    | 3.2     | <b>599.7</b> | 65.0    | 3.1     | <b>116.3</b> | 9.7     | 2.5     | <b>118.0</b> | 12.7    | 4.6     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.7    | 1.0     |              | 0.0     | 0.7     |              | -1.0    | 0.7     |              | -0.1    | 1.0     |              | -0.2    | 0.5     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>7KWVN2</b> | <b>661.6</b> | -76.2   | 17.8    | <b>128.7</b> | -0.2    | 4.7     | <b>461.5</b> | -73.2   | 11.4    | <b>104.5</b> | -2.1    | 4.2     | <b>101.7</b> | -3.6    | 2.0     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 0.6     | 0.5     |              | -0.2    | 0.2     |              | 0.8     | 1.1     |              | 0.0     | 2.5     |              | 0.0     | 1.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>9WKG82</b> | <b>800.5</b> | 62.7    | 8.6     | <b>124.1</b> | -4.9    | 1.3     | <b>590.4</b> | 55.8    | 18.4    | <b>107.3</b> | 0.7     | 10.6    | <b>105.6</b> | 0.3     | 4.6     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.8    | 0.4     |              | -0.1    | 0.3     |              | -0.5    | 0.7     |              | -0.4    | 0.4     |              | -0.7    | 0.2     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>ABZYEY</b> | <b>651.7</b> | -86.2   | 7.8     | <b>126.7</b> | -2.3    | 2.1     | <b>498.3</b> | -36.3   | 10.5    | <b>98.8</b>  | -7.8    | 1.9     | <b>92.9</b>  | -12.4   | 1.0     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 1.5     | 2.9     |              | 0.1     | 1.5     |              | 0.9     | 1.2     |              | 0.4     | 1.8     |              | 0.0     | 2.3     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>MAXQQK</b> | <b>894.3</b> | 156.5   | 50.1    | <b>132.0</b> | 3.1     | 10.0    | <b>597.0</b> | 62.3    | 20.0    | <b>113.7</b> | 7.1     | 7.5     | <b>105.0</b> | -0.3    | 9.5     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 0.1     | 1.9     |              | 1.4     | 1.1     |              | 0.2     | 1.3     |              | 2.2     | 1.0     |              | 3.1     | 4.2     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>MZTJBK</b> | <b>745.9</b> | 8.1     | 32.5    | <b>161.6</b> | 32.6    | 7.8     | <b>546.4</b> | 11.7    | 21.2    | <b>145.9</b> | 39.3    | 4.2     | <b>160.3</b> | 55.0    | 17.6    |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 2.0     | 0.4     |              | 1.1     | 0.3     |              | 1.1     | 0.7     |              | 0.3     | 0.9     |              | 0.0     | 0.4     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>6UNU32</b> | <b>952.3</b> | 214.5   | 7.1     | <b>154.2</b> | 25.3    | 1.9     | <b>617.4</b> | 82.7    | 10.9    | <b>112.4</b> | 5.8     | 3.8     | <b>106.2</b> | 0.9     | 1.6     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 0.1     | 0.6     |              | -0.4    | 0.5     |              | -0.1    | 1.6     |              | -1.4    | 0.0     |              | -1.7    | 0.5     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>2YQUN2</b> | <b>745.0</b> | 7.2     | 10.1    | <b>119.0</b> | -9.9    | 3.3     | <b>523.8</b> | -10.8   | 26.4    | <b>81.4</b>  | -25.2   | 0.0     |              | -29.6   | 2.0     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 0.1     | 0.1     |              | -0.3    | 0.4     |              | -0.5    | 0.4     |              | 0.6     | 0.5     |              | -0.4    | 0.5     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>HX3QCL</b> | <b>743.9</b> | 6.0     | 2.4     | <b>122.8</b> | -6.1    | 3.0     | <b>497.7</b> | -36.9   | 6.4     | <b>117.3</b> | 10.6    | 2.1     | <b>98.5</b>  | -6.7    | 2.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 1.7     | 0.5     |              | 0.9     | 0.7     |              | 1.9     | 0.4     |              | 0.2     | 0.5     |              | 1.4     | 0.7     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>GF8XQM</b> | <b>918.0</b> | 180.2   | 9.0     | <b>149.0</b> | 20.1    | 4.6     | <b>671.3</b> | 136.7   | 6.1     | <b>110.7</b> | 4.1     | 2.1     | <b>130.3</b> | 25.1    | 3.1     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | 0.3     | 2.7     |              | 0.6     | 5.0     |              | 0.1     | 2.9     |              | -1.0    | 1.7     |              | -1.3    | 1.4     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>N6HFCF</b> | <b>769.3</b> | 31.5    | 45.9    | <b>142.3</b> | 13.4    | 34.3    | <b>539.7</b> | 5.0     | 46.1    | <b>89.1</b>  | -17.6   | 7.1     | <b>83.1</b>  | -22.2   | 5.7     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
|               |              | -0.6    |         |              | 0.8     | 0.4     |              | 0.4     | 3.6     |              | 0.4     | 1.2     |              | 0.6     | 0.2     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |
| <b>DTNJLQ</b> | <b>670.0</b> | -67.8   | 0.0     | <b>148.0</b> | 19.1    | 2.6     | <b>562.0</b> | 27.3    | 58.4    | <b>113.0</b> | 6.4     | 5.2     | <b>116.0</b> | 10.7    | 1.0     |             |         |         |             |         |         |             |         |         |             |         |         |             |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 737.8   |         |                    | 128.9   |         |                    | 534.7   |         |                    | 106.6   |         |                    | 105.3   |         |
| <b>Median Abs Dev</b>    |                    | 44.6    |         |                    | 9.7     |         |                    | 36.6    |         |                    | 6.7     |         |                    | 8.7     |         |
| <b>Avg Within Lab SD</b> |                    | 17.3    |         |                    | 6.8     |         |                    | 16.0    |         |                    | 4.2     |         |                    | 4.2     |         |
| <b>Labs Included</b>     |                    | 38      |         |                    | 38      |         |                    | 38      |         |                    | 38      |         |                    | 38      |         |
| <b>Labs Reporting</b>    |                    | 38      |         |                    | 38      |         |                    | 38      |         |                    | 38      |         |                    | 38      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Ca (SubTestCode 160) | in the Mehlich-3 Multi-Element Property Groups |          |       |                |         |      |                 |           |         |                |         |       | Data units: mg/kg |         |       |
|---------------------------------|--|----------|-------|----------------|---------|------|-----------------|-----------|---------|----------------|---------|-------|-------------------|---------|-------|
|                                 | SRSSRS1606                                     |          |       | SRSSRS1607     |         |      | SRSSRS1608      |           |         | SRSSRS1609     |         |       | SRSSRS1610        |         |       |
| <b>P2ZHHY</b>                   | <b>4,744.5</b>                                 | -0.3     | 0.5   | <b>930.3</b>   | -0.5    | 0.2  | <b>14,681.8</b> | 0.4       | 0.6     | <b>1,187.3</b> | -0.5    | 0.5   | <b>855.8</b>      | 0.1     | 0.2   |
|                                 |  | -243.8   | 59.5  |                | -84.0   | 6.8  |                 | 1,165.1   | 287.8   |                | -139.4  | 35.8  |                   | 13.4    | 7.8   |
| <b>BYXYDC</b>                   | <b>4,894.1</b>                                 | -0.1     | 0.9   | <b>951.6</b>   | -0.3    | 1.0  | <b>13,976.0</b> | 0.1       | 1.4     | <b>1,310.0</b> | -0.1    | 2.0   | <b>940.2</b>      | 0.8     | 1.9   |
|                                 |  | -94.3    | 109.9 |                | -62.6   | 41.1 |                 | 459.3     | 641.1   |                | -16.7   | 131.8 |                   | 97.8    | 78.6  |
| <b>UJH8JT</b>                   | <b>3,242.3</b>                                 | -2.4     | 0.1   | <b>1,365.7</b> | 1.9     | 0.3  | <b>3,505.3</b>  | -3.2      | 0.1     | <b>1,667.0</b> | 1.3     | 0.3   | <b>972.7</b>      | 1.0     | 0.2   |
|                                 |  | -1,746.1 | 14.1  |                | 351.5   | 11.1 |                 | -10,011.3 | 31.5    |                | 340.3   | 21.7  |                   | 130.3   | 9.9   |
| <b>WPJ78M</b>                   | <b>18,300.7</b>                                | 18.0     | 6.5   | <b>3,843.3</b> | 15.2    | 2.2  | <b>49,776.0</b> | 11.6      | 0.9     | <b>4,531.3</b> | 12.3    | 3.0   | <b>2,990.0</b>    | 17.1    | 3.0   |
|                                 |  | 13,312.3 | 833.4 |                | 2,829.1 | 90.0 |                 | 36,259.3  | 424.1   |                | 3,204.7 | 203.1 |                   | 2,147.7 | 129.2 |
| <b>PDR4NU</b>                   | <b>4,988.3</b>                                 | 0.0      | 0.4   | <b>1,038.0</b> | 0.1     | 0.9  | <b>14,598.3</b> | 0.3       | 0.4     | <b>1,318.3</b> | 0.0     | 0.5   | <b>851.7</b>      | 0.1     | 0.1   |
|                                 |  | 0.0      | 45.4  |                | 23.8    | 37.0 |                 | 1,081.7   | 173.5   |                | -8.3    | 36.2  |                   | 9.3     | 2.9   |
| <b>WP3AEN</b>                   | <b>5,062.0</b>                                 | 0.1      | 0.6   | <b>1,196.7</b> | 1.0     | 1.4  | <b>11,858.3</b> | -0.5      | 0.2     | <b>1,272.7</b> | -0.2    | 0.8   | <b>776.5</b>      | -0.5    | 0.4   |
|                                 |  | 73.7     | 80.3  |                | 182.5   | 55.8 |                 | -1,658.3  | 102.8   |                | -54.0   | 53.5  |                   | -65.9   | 16.8  |
| <b>JMZPA2</b>                   | <b>4,937.3</b>                                 | -0.1     | 1.6   | <b>1,014.2</b> | 0.0     | 0.8  | <b>14,910.3</b> | 0.4       | 0.2     | <b>1,176.9</b> | -0.6    | 1.2   | <b>747.0</b>      | -0.8    | 0.9   |
|                                 |  | -51.0    | 207.9 |                | 0.0     | 34.1 |                 | 1,393.7   | 98.1    |                | -149.7  | 83.3  |                   | -95.3   | 36.9  |
| <b>YM93AG</b>                   | <b>4,587.3</b>                                 | -0.5     | 0.0   | <b>1,166.0</b> | 0.8     | 0.3  | <b>11,306.3</b> | -0.7      | 0.0     | <b>1,386.3</b> | 0.2     | 0.1   | <b>923.3</b>      | 0.6     | 0.3   |
|                                 |  | -401.0   | 3.8   |                | 151.8   | 12.2 |                 | -2,210.3  | 4.7     |                | 59.7    | 5.7   |                   | 81.0    | 12.6  |
| <b>JDB3EY</b>                   | <b>4,424.0</b>                                 | -0.8     | 1.1   | <b>951.7</b>   | -0.3    | 1.2  | <b>12,940.3</b> | -0.2      | 1.1     | <b>1,204.3</b> | -0.5    | 1.1   | <b>870.7</b>      | 0.2     | 1.1   |
|                                 |  | -564.3   | 142.2 |                | -62.5   | 50.8 |                 | -576.3    | 485.5   |                | -122.3  | 72.5  |                   | 28.3    | 48.1  |
| <b>9P39J6</b>                   | <b>4,586.3</b>                                 | -0.5     | 0.4   | <b>1,114.0</b> | 0.5     | 0.4  | <b>11,310.0</b> | -0.7      | 0.0     | <b>1,385.3</b> | 0.2     | 0.1   | <b>927.2</b>      | 0.7     | 0.5   |
|                                 |  | -402.0   | 52.0  |                | 99.8    | 17.8 |                 | -2,206.7  | 5.0     |                | 58.7    | 9.7   |                   | 84.8    | 20.1  |
| <b>KJBZ3T</b>                   | <b>5,593.3</b>                                 | 0.8      | 1.1   | <b>1,106.7</b> | 0.5     | 1.2  | <b>15,666.7</b> | 0.7       | 1.5     | <b>1,326.7</b> | 0.0     | 1.7   | <b>922.3</b>      | 0.6     | 3.8   |
|                                 |  | 605.0    | 144.7 |                | 92.5    | 50.3 |                 | 2,150.0   | 702.4   |                | 0.0     | 115.0 |                   | 80.0    | 159.3 |
| <b>3HG3JC</b>                   | <b>3,409.0</b>                                 | -2.1     |       | <b>813.0</b>   | -1.1    |      | <b>8,636.0</b>  | -1.6      |         | <b>987.0</b>   | -1.3    |       | <b>469.0</b>      | -3.0    |       |
|                                 |  | -1,579.3 | 0.0   |                | -201.2  | 0.0  |                 | -4,880.7  | 0.0     |                | -339.7  | 0.0   |                   | -373.3  | 0.0   |
| <b>VMZPEH</b>                   | <b>5,172.6</b>                                 | 0.2      | 1.3   | <b>950.9</b>   | -0.3    | 1.2  | <b>16,764.9</b> | 1.0       | 2.5     | <b>1,252.5</b> | -0.3    | 1.1   | <b>802.9</b>      | -0.3    | 0.2   |
|                                 |  | 184.3    | 168.3 |                | -63.3   | 50.7 |                 | 3,248.3   | 1,157.3 |                | -74.1   | 71.1  |                   | -39.5   | 8.1   |
| <b>ZNYNFD</b>                   | <b>5,160.3</b>                                 | 0.2      | 0.8   | <b>1,089.0</b> | 0.4     | 0.2  | <b>16,125.0</b> | 0.8       | 1.3     | <b>1,485.0</b> | 0.6     | 1.1   | <b>905.0</b>      | 0.5     | 0.4   |
|                                 |  | 172.0    | 103.4 |                | 74.8    | 9.0  |                 | 2,608.3   | 612.6   |                | 158.3   | 70.3  |                   | 62.7    | 18.0  |
| <b>E8KYJY</b>                   | <b>4,910.3</b>                                 | -0.1     | 0.1   | <b>1,000.7</b> | -0.1    | 0.2  | <b>14,696.0</b> | 0.4       | 0.6     | <b>1,353.7</b> | 0.1     | 0.7   | <b>780.7</b>      | -0.5    | 0.3   |
|                                 |  | -78.0    | 15.4  |                | -13.5   | 7.5  |                 | 1,179.3   | 280.3   |                | 27.0    | 43.7  |                   | -61.7   | 14.4  |
| <b>XV4JLF</b>                   | <b>4,257.0</b>                                 | -1.0     |       | <b>1,039.5</b> | 0.1     |      | <b>14,206.5</b> | 0.2       |         | <b>1,732.5</b> | 1.6     |       | <b>990.0</b>      | 1.2     |       |
|                                 |  | -731.3   | 0.0   |                | 25.3    | 0.0  |                 | 689.8     | 0.0     |                | 405.8   | 0.0   |                   | 147.7   | 0.0   |
| <b>T67A2M</b>                   | <b>5,171.6</b>                                 | 0.2      | 1.1   | <b>1,816.7</b> | 4.3     | 0.4  | <b>12,326.2</b> | -0.4      | 0.6     | <b>3,069.6</b> | 6.7     | 1.4   | <b>1,074.8</b>    | 1.9     | 0.2   |
|                                 |  | 183.2    | 144.6 |                | 802.5   | 17.7 |                 | -1,190.5  | 258.5   |                | 1,743.0 | 95.7  |                   | 232.5   | 8.6   |
| <b>Q2DTBN</b>                   | <b>4,567.3</b>                                 | -0.6     | 0.1   | <b>801.7</b>   | -1.1    | 0.1  | <b>13,138.3</b> | -0.1      | 0.1     | <b>830.0</b>   | -1.9    | 0.1   | <b>812.0</b>      | -0.2    | 0.1   |
|                                 |  | -421.0   | 8.1   |                | -212.5  | 5.5  |                 | -378.3    | 60.8    |                | -496.7  | 6.9   |                   | -30.3   | 3.6   |
| <b>WWZ2MH</b>                   | <b>4,277.7</b>                                 | -1.0     | 0.0   | <b>919.0</b>   | -0.5    |      | <b>12,788.0</b> | -0.2      |         | <b>1,155.0</b> | -0.7    |       | <b>747.0</b>      | -0.8    |       |
|                                 |  | -710.7   | 2.5   |                | -95.2   | 0.0  |                 | -728.7    | 0.0     |                | -171.7  | 0.0   |                   | -95.3   | 0.0   |
| <b>GC6ZFU</b>                   | <b>5,140.1</b>                                 | 0.2      | 0.6   | <b>927.7</b>   | -0.5    | 2.2  | <b>11,563.4</b> | -0.6      | 0.4     | <b>1,398.2</b> | 0.3     | 0.6   | <b>864.3</b>      | 0.2     | 1.4   |
|                                 |  | 151.8    | 76.5  |                | -86.5   | 90.9 |                 | -1,953.3  | 202.7   |                | 71.5    | 39.2  |                   | 21.9    | 57.5  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|----------------|------------|---------|----------------|------------|---------|-----------------|------------|---------|----------------|------------|---------|--------------|------------|---------|
|                          |                | Difference | W/L STD |                | Difference | W/L STD |                 | Difference | W/L STD |                | Difference | W/L STD |              | Difference | W/L STD |
| <b>2RDHVB</b>            | <b>5,137.7</b> | 0.2        | 0.6     | <b>1,118.7</b> | 0.6        | 1.2     | <b>7,936.3</b>  | -1.8       | 0.2     | <b>1,428.0</b> | 0.4        | 1.2     | <b>747.7</b> | -0.8       | 0.7     |
|                          |                | 149.3      | 72.2    |                | 104.5      | 47.1    |                 | -5,580.3   | 77.8    |                | 101.3      | 76.9    |              | -94.7      | 29.1    |
| <b>3B3GB8</b>            | <b>4,945.7</b> | -0.1       | 0.3     | <b>1,120.3</b> | 0.6        | 0.7     | <b>13,830.0</b> | 0.1        | 0.1     | <b>1,481.0</b> | 0.6        | 2.3     | <b>812.3</b> | -0.2       | 0.8     |
|                          |                | -42.7      | 38.1    |                | 106.1      | 30.0    |                 | 313.3      | 57.2    |                | 154.3      | 151.4   |              | -30.0      | 33.9    |
| <b>6J7BH6</b>            | <b>5,419.7</b> | 0.6        | 0.0     | <b>864.3</b>   | -0.8       | 0.1     | <b>18,067.0</b> | 1.5        | 0.0     | <b>1,262.3</b> | -0.2       | 0.0     | <b>772.3</b> | -0.6       | 0.1     |
|                          |                | 431.3      | 3.5     |                | -149.9     | 4.0     |                 | 4,550.3    | 7.5     |                | -64.3      | 2.5     |              | -70.0      | 2.5     |
| <b>YNEK8D</b>            | <b>4,840.2</b> | -0.2       | 1.0     | <b>1,211.9</b> | 1.1        | 0.7     | <b>4,852.2</b>  | -2.8       | 0.2     | <b>1,382.3</b> | 0.2        | 0.8     | <b>844.2</b> | 0.0        | 0.1     |
|                          |                | -148.1     | 123.7   |                | 197.7      | 29.0    |                 | -8,664.5   | 93.2    |                | 55.6       | 54.8    |              | 1.8        | 4.8     |
| <b>V3RMFD</b>            | <b>4,121.0</b> | -1.2       | 0.9     | <b>801.6</b>   | -1.1       | 0.3     | <b>14,469.7</b> | 0.3        | 0.3     | <b>1,175.7</b> | -0.6       | 0.1     | <b>785.7</b> | -0.5       | 0.5     |
|                          |                | -867.3     | 116.6   |                | -212.6     | 12.0    |                 | 953.0      | 119.4   |                | -151.0     | 7.5     |              | -56.7      | 19.2    |
| <b>BX698W</b>            | <b>5,403.0</b> | 0.6        | 0.5     | <b>1,039.3</b> | 0.1        | 0.2     | <b>13,516.7</b> | 0.0        | 0.1     | <b>1,351.3</b> | 0.1        | 0.3     | <b>842.3</b> | 0.0        | 0.4     |
|                          |                | 414.7      | 68.1    |                | 25.1       | 10.0    |                 | 0.0        | 36.7    |                | 24.7       | 22.1    |              | 0.0        | 18.8    |
| <b>7KWVN2</b>            | <b>5,073.7</b> | 0.1        | 1.1     | <b>1,075.0</b> | 0.3        | 1.5     | <b>12,725.0</b> | -0.3       | 1.0     | <b>1,427.3</b> | 0.4        | 0.4     | <b>858.0</b> | 0.1        | 0.4     |
|                          |                | 85.3       | 142.6   |                | 60.8       | 61.0    |                 | -791.7     | 455.2   |                | 100.7      | 29.9    |              | 15.7       | 17.1    |
| <b>9WKG82</b>            | <b>6,017.0</b> | 1.4        | 1.3     | <b>902.9</b>   | -0.6       | 0.3     | <b>17,880.0</b> | 1.4        | 0.8     | <b>1,339.0</b> | 0.0        | 2.2     | <b>826.3</b> | -0.1       | 1.0     |
|                          |                | 1,028.7    | 163.1   |                | -111.3     | 11.5    |                 | 4,363.3    | 350.4   |                | 12.3       | 145.7   |              | -16.1      | 42.4    |
| <b>MAXQQK</b>            | <b>5,707.3</b> | 1.0        | 0.6     | <b>1,117.3</b> | 0.6        | 0.1     | <b>12,394.7</b> | -0.4       | 0.9     | <b>1,332.7</b> | 0.0        | 1.0     | <b>774.7</b> | -0.5       | 0.5     |
|                          |                | 719.0      | 81.5    |                | 103.1      | 3.2     |                 | -1,122.0   | 428.1   |                | 6.0        | 69.9    |              | -67.7      | 22.7    |
| <b>MZTJBK</b>            | <b>5,107.2</b> | 0.2        | 2.3     | <b>915.7</b>   | -0.5       | 2.9     | <b>16,658.1</b> | 1.0        | 3.7     | <b>1,369.8</b> | 0.2        | 0.9     | <b>870.9</b> | 0.2        | 2.5     |
|                          |                | 118.8      | 299.8   |                | -98.5      | 117.7   |                 | 3,141.4    | 1,660.5 |                | 43.2       | 57.5    |              | 28.5       | 104.1   |
| <b>6UNU32</b>            | <b>3,215.3</b> | -2.4       | 0.5     | <b>992.0</b>   | -0.1       | 0.6     | <b>14,483.7</b> | 0.3        | 0.6     | <b>1,221.5</b> | -0.4       | 0.1     | <b>724.7</b> | -0.9       | 0.0     |
|                          |                | -1,773.0   | 66.5    |                | -22.2      | 24.9    |                 | 967.1      | 292.2   |                | -105.2     | 5.5     |              | -117.6     | 1.7     |
| <b>2YQUN2</b>            | <b>4,694.6</b> | -0.4       | 0.3     | <b>935.3</b>   | -0.4       | 0.1     | <b>12,860.0</b> | -0.2       | 0.7     | <b>1,106.5</b> | -0.8       | 0.3     | <b>613.5</b> | -1.8       | 0.2     |
|                          |                | -293.8     | 35.8    |                | -78.9      | 3.8     |                 | -656.7     | 298.8   |                | -220.1     | 20.8    |              | -228.9     | 9.5     |
| <b>HX3QCL</b>            | <b>5,068.8</b> | 0.1        | 0.7     | <b>1,011.2</b> | 0.0        | 0.7     | <b>14,730.4</b> | 0.4        | 0.9     | <b>1,519.2</b> | 0.7        | 0.6     | <b>890.5</b> | 0.4        | 0.9     |
|                          |                | 80.5       | 87.3    |                | -3.0       | 28.0    |                 | 1,213.8    | 409.9   |                | 192.5      | 37.9    |              | 48.2       | 37.2    |
| <b>GF8XQM</b>            | <b>6,426.3</b> | 1.9        | 0.1     | <b>1,360.0</b> | 1.9        | 0.1     | <b>12,902.7</b> | -0.2       | 0.1     | <b>1,314.7</b> | 0.0        | 0.5     | <b>938.0</b> | 0.8        | 0.1     |
|                          |                | 1,438.0    | 14.0    |                | 345.8      | 5.0     |                 | -614.0     | 27.1    |                | -12.0      | 34.6    |              | 95.7       | 4.4     |
| <b>N6HFCF</b>            | <b>5,554.7</b> | 0.8        | 3.5     | <b>947.0</b>   | -0.4       | 2.0     | <b>14,093.3</b> | 0.2        | 1.4     | <b>1,087.7</b> | -0.9       | 1.1     | <b>601.3</b> | -1.9       | 0.8     |
|                          |                | 566.3      | 445.0   |                | -67.2      | 82.6    |                 | 576.7      | 629.8   |                | -239.0     | 75.3    |              | -241.0     | 34.4    |
| <b>DTNJLQ</b>            | <b>5,940.0</b> | 1.3        | 0.7     | <b>1,023.3</b> | 0.0        | 1.4     | <b>13,000.0</b> | -0.2       |         | <b>1,090.0</b> | -0.9       | 1.7     | <b>745.0</b> | -0.8       | 1.5     |
|                          |                | 951.7      | 84.9    |                | 9.1        | 58.6    |                 | -516.7     | 0.0     |                | -236.7     | 113.1   |              | -97.3      | 62.6    |
| <b>Grand Median</b>      |                | 4,988.3    |         |                | 1,014.2    |         |                 | 13,516.7   |         |                | 1,326.7    |         |              | 842.3      |         |
| <b>Median Abs Dev</b>    |                | 401.0      |         |                | 92.5       |         |                 | 1,179.3    |         |                | 101.3      |         |              | 67.7       |         |
| <b>Avg Within Lab SD</b> |                | 128.7      |         |                | 40.7       |         |                 | 454.3      |         |                | 66.7       |         |              | 42.4       |         |
| <b>Labs Included</b>     |                | 35         |         |                | 35         |         |                 | 35         |         |                | 35         |         |              | 35         |         |
| <b>Labs Reporting</b>    |                | 35         |         |                | 35         |         |                 | 35         |         |                | 35         |         |              | 35         |         |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Mg (SubTestCode 161) |                |         | in the Mehlich-3 Multi-Element Property Groups |              |       |            |                |         |            |                |       |            |              |       | Data units: mg/kg |  |
|---------------------------------|----------------|---------|--|--------------|-------|------------|----------------|---------|------------|----------------|-------|------------|--------------|-------|-------------------|--|
| SRSSRS1606                      |                |         | SRSSRS1607                                     |              |       | SRSSRS1608 |                |         | SRSSRS1609 |                |       | SRSSRS1610 |              |       |                   |  |
| <b>P2ZHHY</b>                   | <b>327.0</b>   | -0.5    | 0.2  | <b>145.8</b> | -0.5  | 0.3        | <b>1,426.3</b> | -0.5    | 0.2        | <b>262.5</b>   | -0.4  | 0.4        | <b>106.8</b> | 0.3   | 0.2               |  |
|                                 |                | -28.1   | 2.0  |              | -10.2 | 2.3        |                | -151.8  | 15.3       |                | -13.4 | 5.0        |              | 4.6   | 0.8               |  |
| <b>BYXYDC</b>                   | <b>327.7</b>   | -0.5    | 1.4  | <b>139.1</b> | -0.8  | 0.2        | <b>1,454.6</b> | -0.4    | 0.2        | <b>266.8</b>   | -0.3  | 2.1        | <b>102.1</b> | 0.0   | 2.0               |  |
|                                 |                | -27.4   | 15.8   |              | -16.9 | 1.7        |                | -123.5  | 10.7       |                | -9.1  | 29.0       |              | 0.0   | 9.8               |  |
| <b>UJH8JT</b>                   | <b>433.0</b>   | 1.4     | 0.1  | <b>191.0</b> | 1.6   | 0.4        | <b>1,933.5</b> | 1.1     | 0.0        | <b>331.6</b>   | 1.7   | 0.1        | <b>111.3</b> | 0.5   | 0.2               |  |
|                                 |                | 77.9    | 1.1  |              | 35.0  | 3.0        |                | 355.5   | 2.4        |                | 55.6  | 1.2        |              | 9.2   | 1.2               |  |
| <b>WPJ78M</b>                   | <b>1,577.3</b> | 22.7    | 5.4  | <b>656.7</b> | 22.5  | 0.6        | <b>6,456.7</b> | 15.1    | 1.3        | <b>1,230.0</b> | 29.3  | 1.0        | <b>438.0</b> | 19.4  | 1.9               |  |
|                                 |                | 1,222.3 | 60.9   |              | 500.7 | 4.6        |                | 4,878.6 | 81.1       |                | 954.1 | 14.0       |              | 335.9 | 9.2               |  |
| <b>PDR4NU</b>                   | <b>365.0</b>   | 0.2     |  | <b>163.3</b> | 0.3   | 0.7        | <b>1,620.0</b> | 0.1     | 0.5        | <b>290.0</b>   | 0.4   | 0.6        | <b>110.0</b> | 0.5   |                   |  |
|                                 |                | 9.9     | 0.0  |              | 7.4   | 5.8        |                | 41.9    | 34.6       |                | 14.1  | 8.7        |              | 7.9   | 0.0               |  |
| <b>WP3AEN</b>                   | <b>313.7</b>   | -0.8    | 0.3  | <b>165.3</b> | 0.4   | 1.0        | <b>1,291.0</b> | -0.9    | 0.3        | <b>282.7</b>   | 0.2   | 0.7        | <b>97.2</b>  | -0.3  | 1.0               |  |
|                                 |                | -41.4   | 3.2  |              | 9.4   | 8.5        |                | -287.1  | 18.1       |                | 6.7   | 9.7        |              | -5.0  | 5.1               |  |
| <b>JMZPA2</b>                   | <b>321.5</b>   | -0.6    | 0.5  | <b>145.9</b> | -0.5  | 0.3        | <b>1,152.4</b> | -1.3    | 0.4        | <b>237.0</b>   | -1.2  | 1.0        | <b>101.2</b> | -0.1  | 1.1               |  |
|                                 |                | -33.5   | 5.5  |              | -10.1 | 2.5        |                | -425.7  | 23.8       |                | -38.9 | 13.5       |              | -1.0  | 5.3               |  |
| <b>YM93AG</b>                   | <b>318.8</b>   | -0.7    | 0.1  | <b>164.8</b> | 0.4   | 0.1        | <b>1,476.0</b> | -0.3    | 0.0        | <b>273.7</b>   | -0.1  | 0.2        | <b>120.2</b> | 1.0   | 0.1               |  |
|                                 |                | -36.3   | 1.7  |              | 8.8   | 1.0        |                | -102.1  | 2.0        |                | -2.2  | 3.3        |              | 18.1  | 0.4               |  |
| <b>JDB3EY</b>                   | <b>322.5</b>   | -0.6    | 2.2  | <b>141.8</b> | -0.6  | 0.6        | <b>1,578.1</b> | 0.0     | 1.0        | <b>254.7</b>   | -0.7  | 0.5        | <b>109.4</b> | 0.4   | 0.4               |  |
|                                 |                | -32.5   | 24.1   |              | -14.2 | 5.3        |                | 0.0     | 64.5       |                | -21.2 | 6.8        |              | 7.3   | 2.1               |  |
| <b>9P39J6</b>                   | <b>316.9</b>   | -0.7    | 0.1  | <b>164.9</b> | 0.4   | 0.2        | <b>1,465.7</b> | -0.3    | 0.6        | <b>275.9</b>   | 0.0   | 0.5        | <b>120.3</b> | 1.1   | 0.2               |  |
|                                 |                | -38.2   | 1.6  |              | 9.0   | 2.0        |                | -112.4  | 36.6       |                | 0.0   | 6.8        |              | 18.2  | 1.1               |  |
| <b>KJBZ3T</b>                   | <b>394.7</b>   | 0.7     | 0.6  | <b>166.3</b> | 0.5   | 0.9        | <b>1,746.7</b> | 0.5     | 0.2        | <b>264.7</b>   | -0.3  | 0.2        | <b>97.7</b>  | -0.3  | 0.8               |  |
|                                 |                | 39.6    | 7.2  |              | 10.4  | 7.2        |                | 168.6   | 15.3       |                | -11.3 | 3.1        |              | -4.5  | 4.0               |  |
| <b>3HG3JC</b>                   | <b>236.0</b>   | -2.2    |  | <b>109.0</b> | -2.1  |            | <b>1,029.0</b> | -1.7    |            | <b>184.0</b>   | -2.8  |            | <b>61.0</b>  | -2.4  |                   |  |
|                                 |                | -119.1  | 0.0  |              | -47.0 | 0.0        |                | -549.1  | 0.0        |                | -91.9 | 0.0        |              | -41.1 | 0.0               |  |
| <b>VMZPEH</b>                   | <b>344.9</b>   | -0.2    | 1.8  | <b>159.4</b> | 0.2   | 1.3        | <b>1,730.1</b> | 0.5     | 1.2        | <b>279.6</b>   | 0.1   | 1.1        | <b>115.6</b> | 0.8   | 1.0               |  |
|                                 |                | -10.2   | 20.2   |              | 3.4   | 11.3       |                | 152.1   | 74.5       |                | 3.7   | 14.5       |              | 13.5  | 5.1               |  |
| <b>ZNYNFD</b>                   | <b>369.3</b>   | 0.3     | 0.7  | <b>162.3</b> | 0.3   | 1.0        | <b>1,578.3</b> | 0.0     | 1.2        | <b>295.7</b>   | 0.6   | 0.2        | <b>105.3</b> | 0.2   | 0.5               |  |
|                                 |                | 14.3    | 7.5  |              | 6.4   | 8.1        |                | 0.3     | 74.3       |                | 19.7  | 2.3        |              | 3.2   | 2.3               |  |
| <b>E8KYJY</b>                   | <b>322.7</b>   | -0.6    | 0.2  | <b>160.0</b> | 0.2   | 0.2        | <b>1,495.3</b> | -0.3    | 0.4        | <b>288.0</b>   | 0.4   | 0.3        | <b>110.0</b> | 0.5   | 0.4               |  |
|                                 |                | -32.4   | 2.1  |              | 4.0   | 1.7        |                | -82.7   | 23.5       |                | 12.1  | 3.5        |              | 7.9   | 2.0               |  |
| <b>XV4JLF</b>                   | <b>366.0</b>   | 0.2     |  | <b>144.0</b> | -0.5  |            | <b>688.0</b>   | -2.8    |            | <b>361.0</b>   | 2.6   |            | <b>114.0</b> | 0.7   |                   |  |
|                                 |                | 10.9    | 0.0  |              | -12.0 | 0.0        |                | -890.1  | 0.0        |                | 85.1  | 0.0        |              | 11.9  | 0.0               |  |
| <b>T67A2M</b>                   | <b>382.5</b>   | 0.5     | 0.6  | <b>184.8</b> | 1.3   | 0.1        | <b>796.8</b>   | -2.4    | 0.2        | <b>333.9</b>   | 1.8   | 0.2        | <b>127.1</b> | 1.4   | 0.3               |  |
|                                 |                | 27.4    | 7.0  |              | 28.8  | 0.6        |                | -781.3  | 11.5       |                | 57.9  | 2.4        |              | 25.0  | 1.7               |  |
| <b>Q2DTBN</b>                   | <b>289.7</b>   | -1.2    | 0.3  | <b>123.3</b> | -1.5  | 0.2        | <b>1,181.3</b> | -1.2    | 0.0        | <b>251.0</b>   | -0.8  | 0.2        | <b>104.7</b> | 0.1   | 0.2               |  |
|                                 |                | -65.4   | 3.8  |              | -32.6 | 2.1        |                | -396.7  | 2.5        |                | -24.9 | 2.6        |              | 2.5   | 1.2               |  |
| <b>WWZ2MH</b>                   | <b>288.4</b>   | -1.2    | 0.0  | <b>135.6</b> | -0.9  | 0.0        | <b>1,497.0</b> | -0.3    |            | <b>240.0</b>   | -1.1  |            | <b>99.4</b>  | -0.2  | 0.1               |  |
|                                 |                | -66.7   | 0.4  |              | -20.4 | 0.0        |                | -81.1   | 0.0        |                | -35.9 | 0.0        |              | -2.7  | 0.5               |  |
| <b>GC6ZFU</b>                   | <b>340.9</b>   | -0.3    | 0.9  | <b>125.8</b> | -1.4  | 1.4        | <b>1,236.6</b> | -1.1    | 1.4        | <b>277.1</b>   | 0.0   | 0.4        | <b>92.5</b>  | -0.6  | 0.4               |  |
|                                 |                | -14.1   | 10.2   |              | -30.2 | 11.6       |                | -341.4  | 86.4       |                | 1.2   | 4.8        |              | -9.6  | 1.8               |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------|------------|---------|--------------|------------|---------|----------------|------------|---------|--------------|------------|---------|--------------|------------|---------|
|                          |              | Difference | W/L STD |              | Difference | W/L STD |                | Difference | W/L STD |              | Difference | W/L STD |              | Difference | W/L STD |
| <b>2RDHVB</b>            | <b>388.3</b> | 0.6        | 1.6     | <b>160.7</b> | 0.2        | 0.2     | <b>1,261.0</b> | -1.0       | 0.8     | <b>277.7</b> | 0.1        | 0.2     | <b>88.0</b>  | -0.8       | 0.7     |
|                          |              | 33.3       | 18.3    |              | 4.7        | 1.5     |                | -317.1     | 49.1    |              | 1.7        | 3.2     |              | -14.1      | 3.5     |
| <b>3B3GB8</b>            | <b>339.7</b> | -0.3       | 0.6     | <b>154.3</b> | -0.1       | 0.8     | <b>1,543.7</b> | -0.1       | 0.5     | <b>280.3</b> | 0.1        | 2.0     | <b>104.7</b> | 0.1        | 1.0     |
|                          |              | -15.4      | 6.4     |              | -1.6       | 6.4     |                | -34.4      | 31.5    |              | 4.4        | 26.7    |              | 2.5        | 4.7     |
| <b>6J7BH6</b>            | <b>343.7</b> | -0.2       | 0.1     | <b>138.5</b> | -0.8       | 0.2     | <b>1,817.7</b> | 0.7        | 0.0     | <b>270.9</b> | -0.2       | 0.1     | <b>100.7</b> | -0.1       | 0.1     |
|                          |              | -11.4      | 1.5     |              | -17.5      | 1.5     |                | 239.7      | 2.1     |              | -5.0       | 1.2     |              | -1.4       | 0.6     |
| <b>YNEK8D</b>            | <b>403.2</b> | 0.9        | 0.4     | <b>165.5</b> | 0.4        | 0.3     | <b>1,635.3</b> | 0.2        | 0.2     | <b>262.1</b> | -0.4       | 0.7     | <b>97.7</b>  | -0.3       | 0.2     |
|                          |              | 48.1       | 5.0     |              | 9.6        | 2.3     |                | 57.2       | 12.8    |              | -13.8      | 10.1    |              | -4.5       | 0.9     |
| <b>V3RMFD</b>            | <b>331.7</b> | -0.4       | 0.2     | <b>132.6</b> | -1.0       | 0.4     | <b>1,587.7</b> | 0.0        | 0.4     | <b>257.3</b> | -0.6       | 0.4     | <b>114.3</b> | 0.7        | 0.9     |
|                          |              | -23.4      | 2.5     |              | -23.3      | 3.0     |                | 9.6        | 25.5    |              | -18.6      | 5.9     |              | 12.1       | 4.6     |
| <b>BX698W</b>            | <b>386.1</b> | 0.6        | 0.5     | <b>156.0</b> | 0.0        | 0.2     | <b>1,745.6</b> | 0.5        | 0.3     | <b>289.9</b> | 0.4        | 0.4     | <b>103.3</b> | 0.1        | 0.5     |
|                          |              | 31.0       | 5.4     |              | 0.0        | 1.5     |                | 167.5      | 20.4    |              | 13.9       | 5.5     |              | 1.2        | 2.2     |
| <b>7KWVN2</b>            | <b>321.4</b> | -0.6       | 2.5     | <b>147.4</b> | -0.4       | 3.1     | <b>1,371.4</b> | -0.6       | 2.0     | <b>257.8</b> | -0.6       | 1.7     | <b>101.2</b> | -0.1       | 2.8     |
|                          |              | -33.7      | 28.3    |              | -8.5       | 26.1    |                | -206.7     | 127.2   |              | -18.1      | 23.3    |              | -0.9       | 13.9    |
| <b>9WKG82</b>            | <b>377.3</b> | 0.4        | 0.9     | <b>134.5</b> | -1.0       | 0.3     | <b>1,921.3</b> | 1.1        | 1.0     | <b>272.4</b> | -0.1       | 2.0     | <b>100.6</b> | -0.1       | 1.8     |
|                          |              | 22.2       | 9.7     |              | -21.5      | 2.2     |                | 343.3      | 66.2    |              | -3.5       | 27.9    |              | -1.5       | 8.9     |
| <b>MAXQQK</b>            | <b>415.7</b> | 1.1        | 1.2     | <b>169.0</b> | 0.6        | 1.1     | <b>1,718.7</b> | 0.4        | 1.3     | <b>279.7</b> | 0.1        | 1.3     | <b>96.3</b>  | -0.3       | 1.5     |
|                          |              | 60.6       | 13.1    |              | 13.0       | 9.2     |                | 140.6      | 84.7    |              | 3.7        | 17.0    |              | -5.8       | 7.6     |
| <b>MZTJBK</b>            | <b>366.7</b> | 0.2        | 1.9     | <b>172.5</b> | 0.7        | 3.4     | <b>1,754.0</b> | 0.5        | 3.9     | <b>310.8</b> | 1.1        | 2.9     | <b>133.8</b> | 1.8        | 2.5     |
|                          |              | 11.6       | 21.0    |              | 16.5       | 28.2    |                | 175.9      | 246.5   |              | 34.9       | 40.0    |              | 31.6       | 12.5    |
| <b>6UNU32</b>            | <b>402.2</b> | 0.9        | 0.6     | <b>167.6</b> | 0.5        | 0.3     | <b>1,721.7</b> | 0.4        | 0.5     | <b>275.7</b> | 0.0        | 0.2     | <b>96.0</b>  | -0.4       | 0.1     |
|                          |              | 47.1       | 6.2     |              | 11.6       | 2.8     |                | 143.6      | 33.9    |              | -0.2       | 3.2     |              | -6.2       | 0.3     |
| <b>2YQUN2</b>            | <b>355.1</b> | 0.0        | 0.2     | <b>145.0</b> | -0.5       | 0.4     | <b>1,612.9</b> | 0.1        | 0.7     | <b>241.3</b> | -1.1       | 0.1     | <b>78.6</b>  | -1.4       | 0.1     |
|                          |              | 0.0        | 2.2     |              | -11.0      | 3.1     |                | 34.8       | 46.0    |              | -34.6      | 2.0     |              | -23.5      | 0.6     |
| <b>HX3QCL</b>            | <b>357.4</b> | 0.0        | 0.7     | <b>140.1</b> | -0.7       | 0.4     | <b>1,639.8</b> | 0.2        | 0.4     | <b>307.4</b> | 1.0        | 0.6     | <b>100.2</b> | -0.1       | 0.3     |
|                          |              | 2.3        | 7.4     |              | -15.9      | 3.3     |                | 61.8       | 27.4    |              | 31.5       | 7.8     |              | -2.0       | 1.6     |
| <b>GF8XQM</b>            | <b>420.0</b> | 1.2        | 0.2     | <b>190.0</b> | 1.5        | 0.4     | <b>1,749.7</b> | 0.5        | 0.3     | <b>296.0</b> | 0.6        | 0.3     | <b>175.7</b> | 4.3        | 0.9     |
|                          |              | 64.9       | 2.0     |              | 34.0       | 3.0     |                | 171.6      | 20.5    |              | 20.1       | 4.4     |              | 73.5       | 4.5     |
| <b>N6HFCF</b>            | <b>383.7</b> | 0.5        | 2.4     | <b>147.0</b> | -0.4       | 1.8     | <b>1,732.0</b> | 0.5        | 2.1     | <b>239.3</b> | -1.1       | 1.9     | <b>80.1</b>  | -1.3       | 1.3     |
|                          |              | 28.6       | 26.6    |              | -9.0       | 15.1    |                | 153.9      | 134.9   |              | -36.6      | 25.5    |              | -22.1      | 6.6     |
| <b>DTNJLQ</b>            | <b>470.0</b> | 2.1        | 0.6     | <b>167.5</b> | 0.5        | 0.4     | <b>1,250.0</b> | -1.0       |         | <b>298.3</b> | 0.7        | 0.6     | <b>90.0</b>  | -0.7       | 1.0     |
|                          |              | 114.9      | 7.1     |              | 11.5       | 3.5     |                | -328.1     | 0.0     |              | 22.4       | 7.6     |              | -12.1      | 5.0     |
| <b>Grand Median</b>      |              | 355.1      |         |              | 156.0      |         |                | 1,578.1    |         |              | 275.9      |         |              | 102.1      |         |
| <b>Median Abs Dev</b>    |              | 32.4       |         |              | 11.5       |         |                | 153.9      |         |              | 14.1       |         |              | 7.3        |         |
| <b>Avg Within Lab SD</b> |              | 11.2       |         |              | 8.4        |         |                | 64.0       |         |              | 13.6       |         |              | 4.9        |         |
| <b>Labs Included</b>     |              | 35         |         |              | 35         |         |                | 35         |         |              | 35         |         |              | 35         |         |
| <b>Labs Reporting</b>    |              | 35         |         |              | 35         |         |                | 35         |         |              | 35         |         |              | 35         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Na (SubTestCode 162) |             |       | in the Mehlich-3 Multi-Element Property Groups |             |      |     |              |        |       |              |       |      |             |      | Data units: mg/kg |  |
|---------------------------------|-------------|-------|--|-------------|------|-----|--------------|--------|-------|--------------|-------|------|-------------|------|-------------------|--|
|                                 | SRSSRS1606  |       |  | SRSSRS1607  |      |     | SRSSRS1608   |        |       | SRSSRS1609   |       |      | SRSSRS1610  |      |                   |  |
| <b>BYXYDC</b>                   | <b>40.7</b> | -0.2  | 1.4  | <b>9.8</b>  | -0.3 | 1.1 | <b>350.9</b> | -1.1   | 0.1   | <b>34.0</b>  | -0.1  | 0.2  | <b>15.4</b> | 0.1  | 0.5               |  |
|                                 |             | -3.2  | 4.2  |             | -3.3 | 2.3 |              | -303.4 | 5.0   |              | -2.6  | 0.7  |             | 0.9  | 2.6               |  |
| <b>UJH8JT</b>                   | <b>54.6</b> | 0.7   | 0.3  | <b>15.5</b> | 0.2  | 0.2 | <b>802.9</b> | 0.6    | 0.0   | <b>49.7</b>  | 0.6   | 1.4  | <b>16.9</b> | 0.2  | 0.2               |  |
|                                 |             | 10.8  | 0.9  |             | 2.5  | 0.4 |              | 148.7  | 1.8   |              | 13.0  | 4.9  |             | 2.4  | 0.9               |  |
| <b>WPJ78M</b>                   | <b>45.0</b> | 0.1   |  | <b>21.7</b> | 0.8  | 0.3 | <b>174.3</b> | -1.8   | 0.1   | <b>93.7</b>  | 2.6   | 1.1  | <b>23.3</b> | 0.9  | 0.1               |  |
|                                 |             | 1.1   | 0.0  |             | 8.6  | 0.6 |              | -479.9 | 3.5   |              | 57.0  | 4.2  |             | 8.8  | 0.6               |  |
| <b>WP3AEN</b>                   | <b>9.6</b>  | -2.3  | 0.1  | <b>11.2</b> | -0.2 | 0.4 | <b>94.4</b>  | -2.1   | 0.0   | <b>9.3</b>   | -1.2  | 0.2  | <b>11.3</b> | -0.3 | 0.1               |  |
|                                 |             | -34.3 | 0.5  |             | -1.9 | 0.8 |              | -559.9 | 2.8   |              | -27.4 | 0.9  |             | -3.2 | 0.7               |  |
| <b>JMZPA2</b>                   | <b>41.0</b> | -0.2  | 0.4  | <b>14.4</b> | 0.1  | 0.9 | <b>593.9</b> | -0.2   | 0.5   | <b>32.8</b>  | -0.2  | 0.4  | <b>15.1</b> | 0.1  | 0.2               |  |
|                                 |             | -2.9  | 1.4  |             | 1.4  | 1.9 |              | -60.3  | 34.5  |              | -3.8  | 1.5  |             | 0.6  | 1.3               |  |
| <b>JDB3EY</b>                   | <b>39.5</b> | -0.3  | 0.3  | <b>15.6</b> | 0.2  | 0.6 | <b>644.0</b> | 0.0    | 0.3   | <b>34.9</b>  | -0.1  | 0.4  | <b>18.8</b> | 0.4  | 0.2               |  |
|                                 |             | -4.4  | 0.9  |             | 2.5  | 1.2 |              | -10.3  | 19.2  |              | -1.7  | 1.6  |             | 4.3  | 1.3               |  |
| <b>KJBZ3T</b>                   | <b>50.7</b> | 0.5   | 0.2  | <b>14.0</b> | 0.1  | 0.5 | <b>829.0</b> | 0.7    | 0.2   | <b>37.3</b>  | 0.0   | 0.2  | <b>14.3</b> | 0.0  | 0.3               |  |
|                                 |             | 6.8   | 0.6  |             | 0.9  | 1.0 |              | 174.7  | 11.4  |              | 0.7   | 0.6  |             | -0.2 | 1.5               |  |
| <b>3HG3JC</b>                   | <b>26.0</b> | -1.2  |  | <b>6.0</b>  | -0.6 |     | <b>325.0</b> | -1.2   |       | <b>24.0</b>  | -0.6  |      | <b>5.0</b>  | -1.0 |                   |  |
|                                 |             | -17.9 | 0.0  |             | -7.1 | 0.0 |              | -329.3 | 0.0   |              | -12.6 | 0.0  |             | -9.5 | 0.0               |  |
| <b>VMZPEH</b>                   | <b>59.9</b> | 1.1   | 1.6  | <b>30.4</b> | 1.5  | 1.5 | <b>832.2</b> | 0.7    | 0.3   | <b>57.1</b>  | 0.9   | 1.5  | <b>32.7</b> | 1.8  | 1.3               |  |
|                                 |             | 16.0  | 5.0  |             | 17.3 | 3.3 |              | 178.0  | 18.5  |              | 20.5  | 5.3  |             | 18.2 | 7.0               |  |
| <b>E8KYJY</b>                   | <b>41.5</b> | -0.2  | 0.1  | <b>8.2</b>  | -0.4 | 0.6 | <b>706.0</b> | 0.2    | 0.2   | <b>36.4</b>  | 0.0   | 0.1  | <b>9.6</b>  | -0.5 | 0.3               |  |
|                                 |             | -2.4  | 0.4  |             | -4.9 | 1.4 |              | 51.7   | 15.4  |              | -0.3  | 0.2  |             | -4.9 | 1.5               |  |
| <b>XV4JLF</b>                   | <b>39.1</b> | -0.3  | 0.0  | <b>10.8</b> | -0.2 |     | <b>606.5</b> | -0.2   | 0.0   | <b>36.9</b>  | 0.0   | 0.0  | <b>12.5</b> | -0.2 | 0.0               |  |
|                                 |             | -4.8  | 0.0  |             | -2.3 | 0.0 |              | -47.7  | 0.0   |              | 0.3   | 0.0  |             | -2.0 | 0.0               |  |
| <b>T67A2M</b>                   | <b>62.6</b> | 1.3   | 0.0  | <b>35.0</b> | 1.9  | 0.4 | <b>567.7</b> | -0.3   | 0.0   | <b>147.2</b> | 5.0   | 0.5  | <b>26.8</b> | 1.2  | 0.1               |  |
|                                 |             | 18.7  | 0.1  |             | 21.9 | 0.9 |              | -86.6  | 0.2   |              | 110.6 | 1.7  |             | 12.3 | 0.5               |  |
| <b>WWZ2MH</b>                   | <b>40.6</b> | -0.2  | 0.0  | <b>10.9</b> | -0.2 | 0.0 | <b>491.0</b> | -0.6   |       | <b>36.1</b>  | 0.0   | 0.0  | <b>12.3</b> | -0.2 | 0.0               |  |
|                                 |             | -3.3  | 0.0  |             | -2.2 | 0.0 |              | -163.3 | 0.0   |              | -0.5  | 0.0  |             | -2.2 | 0.0               |  |
| <b>GC6ZFU</b>                   | <b>44.2</b> | 0.0   | 1.0  | <b>10.3</b> | -0.2 | 1.0 | <b>529.0</b> | -0.5   | 0.2   | <b>43.4</b>  | 0.3   | 0.4  | <b>11.8</b> | -0.3 | 0.3               |  |
|                                 |             | 0.3   | 3.2  |             | -2.8 | 2.1 |              | -125.2 | 15.4  |              | 6.7   | 1.6  |             | -2.7 | 1.8               |  |
| <b>2RDHVB</b>                   | <b>47.0</b> | 0.2   | 0.9  | <b>13.7</b> | 0.1  | 0.3 | <b>624.3</b> | -0.1   | 0.0   | <b>42.3</b>  | 0.3   | 1.4  | <b>11.0</b> | -0.4 | 0.2               |  |
|                                 |             | 3.1   | 2.6  |             | 0.6  | 0.6 |              | -29.9  | 2.1   |              | 5.7   | 5.0  |             | -3.5 | 1.0               |  |
| <b>YNEK8D</b>                   | <b>79.8</b> | 2.4   | 1.5  | <b>32.9</b> | 1.8  | 0.4 | <b>664.5</b> | 0.0    | 0.1   | <b>49.4</b>  | 0.6   | 1.6  | <b>28.0</b> | 1.4  | 0.1               |  |
|                                 |             | 36.0  | 4.4  |             | 19.9 | 0.8 |              | 10.3   | 4.2   |              | 12.8  | 5.7  |             | 13.5 | 0.8               |  |
| <b>V3RMFD</b>                   | <b>42.0</b> | -0.1  | 0.3  | <b>9.0</b>  | -0.4 | 0.5 | <b>767.0</b> | 0.4    | 0.2   | <b>35.7</b>  | 0.0   | 0.6  | <b>11.7</b> | -0.3 | 0.2               |  |
|                                 |             | -1.9  | 1.0  |             | -4.1 | 1.0 |              | 112.7  | 14.8  |              | -1.0  | 2.1  |             | -2.8 | 1.2               |  |
| <b>BX698W</b>                   | <b>43.6</b> | 0.0   | 0.4  | <b>7.8</b>  | -0.5 | 0.0 | <b>829.8</b> | 0.7    | 0.1   | <b>34.9</b>  | -0.1  | 0.2  | <b>8.2</b>  | -0.6 | 0.1               |  |
|                                 |             | -0.3  | 1.2  |             | -5.3 | 0.1 |              | 175.5  | 9.4   |              | -1.7  | 0.8  |             | -6.3 | 0.4               |  |
| <b>7KWVN2</b>                   | <b>47.0</b> | 0.2   | 3.1  | <b>28.6</b> | 1.4  | 3.4 | <b>251.3</b> | -1.5   | 0.0   | <b>25.1</b>  | -0.5  | 0.4  | <b>18.1</b> | 0.4  | 0.4               |  |
|                                 |             | 3.2   | 9.5  |             | 15.5 | 7.4 |              | -403.0 | 3.1   |              | -11.6 | 1.5  |             | 3.6  | 2.1               |  |
| <b>9WKG82</b>                   | <b>38.3</b> | -0.4  | 0.6  | <b>7.6</b>  | -0.5 | 0.8 | <b>898.5</b> | 0.9    | 4.7   | <b>32.9</b>  | -0.2  | 3.1  | <b>21.8</b> | 0.7  | 4.5               |  |
|                                 |             | -5.6  | 1.9  |             | -5.4 | 1.8 |              | 244.2  | 327.1 |              | -3.7  | 11.3 |             | 7.3  | 24.8              |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>MAXQK</b>             | <b>54.3</b>        | 0.7     | 0.8     | <b>17.0</b>        | 0.3     |         | <b>850.7</b>       | 0.7     | 0.6     | <b>43.3</b>        | 0.3     | 0.6     | <b>14.7</b>        | 0.0     | 0.2     |
|                          |                    | 10.5    | 2.5     |                    | 3.9     | 0.0     |                    | 196.4   | 43.5    |                    | 6.7     | 2.1     |                    | 0.2     | 1.2     |
| <b>6UNU32</b>            | <b>92.8</b>        | 3.3     | 0.4     | <b>58.0</b>        | 4.0     | 0.5     | <b>881.6</b>       | 0.9     | 0.2     | <b>79.4</b>        | 1.9     | 0.2     | <b>60.0</b>        | 4.6     | 0.2     |
|                          |                    | 48.9    | 1.1     |                    | 44.9    | 1.0     |                    | 227.4   | 14.9    |                    | 42.8    | 0.8     |                    | 45.5    | 0.9     |
| <b>HX3QCL</b>            | <b>44.9</b>        | 0.1     | 1.0     | <b>12.5</b>        | -0.1    | 1.0     | <b>748.1</b>       | 0.4     | 0.3     | <b>45.0</b>        | 0.4     | 0.5     | <b>13.5</b>        | -0.1    | 0.1     |
|                          |                    | 1.0     | 2.9     |                    | -0.6    | 2.1     |                    | 93.9    | 17.7    |                    | 8.4     | 1.9     |                    | -1.0    | 0.8     |
| <b>N6HFCF</b>            | <b>42.1</b>        | -0.1    | 1.8     | <b>9.7</b>         | -0.3    | 2.0     | <b>770.0</b>       | 0.4     | 1.1     | <b>29.0</b>        | -0.3    | 1.5     | <b>9.6</b>         | -0.5    | 1.0     |
|                          |                    | -1.8    | 5.4     |                    | -3.4    | 4.3     |                    | 115.7   | 73.7    |                    | -7.6    | 5.5     |                    | -4.9    | 5.4     |
| <b>Grand Median</b>      |                    | 43.9    |         |                    | 13.1    |         |                    | 654.3   |         |                    | 36.6    |         |                    | 14.5    |         |
| <b>Median Abs Dev</b>    |                    | 3.9     |         |                    | 3.7     |         |                    | 156.0   |         |                    | 6.7     |         |                    | 3.6     |         |
| <b>Avg Within Lab SD</b> |                    | 3.1     |         |                    | 2.2     |         |                    | 70.0    |         |                    | 3.6     |         |                    | 5.5     |         |
| <b>Labs Included</b>     |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |
| <b>Labs Reporting</b>    |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, S (SubTestCode 163) |             |      | in the Mehlich-3 Multi-Element Property Groups |             |      |            |                |          |            |              |       |            |             |       | Data units: mg/kg |  |  |
|--------------------------------|-------------|------|--|-------------|------|------------|----------------|----------|------------|--------------|-------|------------|-------------|-------|-------------------|--|--|
| SRSSRS1606                     |             |      | SRSSRS1607                                     |             |      | SRSSRS1608 |                |          | SRSSRS1609 |              |       | SRSSRS1610 |             |       |                   |  |  |
| <b>BYXYDC</b>                  | <b>14.8</b> | -0.3 | 0.7  | <b>16.4</b> | -0.6 | 0.8        | <b>6,559.5</b> | 0.5      | 0.1        | <b>25.4</b>  | -0.2  | 0.1        | <b>17.0</b> | -0.5  | 0.6               |  |  |
|                                |             | -3.3 | 1.8  |             | -2.7 | 2.4        |                | 1,081.5  | 26.7       |              | -6.0  | 0.9        |             | -2.6  | 0.8               |  |  |
| <b>UJH8JT</b>                  | <b>55.8</b> | 3.6  | 0.1  | <b>25.5</b> | 1.3  | 0.1        | <b>5,256.0</b> | -0.1     | 0.2        | <b>34.7</b>  | 0.1   | 0.0        | <b>21.2</b> | 0.3   | 0.4               |  |  |
|                                |             | 37.6 | 0.2  |             | 6.4  | 0.3        |                | -222.1   | 62.6       |              | 3.3   | 0.5        |             | 1.6   | 0.5               |  |  |
| <b>WPJ78M</b>                  | <b>45.0</b> | 2.6  | 0.4  | <b>23.3</b> | 0.9  | 0.2        | <b>4,314.0</b> | -0.6     | 0.6        | <b>41.7</b>  | 0.3   | 0.3        | <b>23.0</b> | 0.7   | 0.8               |  |  |
|                                |             | 26.9 | 1.0  |             | 4.2  | 0.6        |                | -1,164.1 | 237.0      |              | 10.3  | 4.2        |             | 3.4   | 1.0               |  |  |
| <b>PDR4NU</b>                  | <b>20.0</b> | 0.2  |  | <b>20.0</b> | 0.2  |            | <b>6,728.3</b> | 0.6      | 0.1        | <b>30.0</b>  | 0.0   |            | <b>20.0</b> | 0.1   |                   |  |  |
|                                |             | 1.9  | 0.0  |             | 0.9  | 0.0        |                | 1,250.3  | 46.5       |              | -1.3  | 0.0        |             | 0.4   | 0.0               |  |  |
| <b>WP3AEN</b>                  | <b>8.6</b>  | -0.9 | 0.5  | <b>20.9</b> | 0.4  | 0.5        | <b>1,856.3</b> | -1.7     | 0.3        | <b>9.7</b>   | -0.7  | 0.0        | <b>20.2</b> | 0.1   | 1.4               |  |  |
|                                |             | -9.5 | 1.3  |             | 1.8  | 1.6        |                | -3,621.7 | 106.5      |              | -21.7 | 0.6        |             | 0.7   | 1.8               |  |  |
| <b>JMZPA2</b>                  | <b>25.8</b> | 0.7  | 0.7  | <b>15.2</b> | -0.8 | 0.7        | <b>3,945.2</b> | -0.7     | 0.1        | <b>23.0</b>  | -0.3  | 0.1        | <b>12.7</b> | -1.4  | 1.2               |  |  |
|                                |             | 7.7  | 1.6  |             | -3.9 | 2.0        |                | -1,532.8 | 26.7       |              | -8.4  | 1.5        |             | -6.9  | 1.6               |  |  |
| <b>YM93AG</b>                  | <b>16.4</b> | -0.2 | 0.1  | <b>19.5</b> | 0.1  | 0.0        | <b>5,418.0</b> | 0.0      | 0.1        | <b>67.9</b>  | 1.2   | 0.0        | <b>25.7</b> | 1.2   | 0.1               |  |  |
|                                |             | -1.8 | 0.2  |             | 0.4  | 0.1        |                | -60.1    | 32.9       |              | 36.5  | 0.5        |             | 6.2   | 0.1               |  |  |
| <b>JDB3EY</b>                  | <b>25.2</b> | 0.7  | 0.5  | <b>13.1</b> | -1.3 | 0.5        | <b>3,044.3</b> | -1.2     | 0.4        | <b>17.2</b>  | -0.5  | 0.0        | <b>12.1</b> | -1.5  | 0.2               |  |  |
|                                |             | 7.1  | 1.3  |             | -6.0 | 1.5        |                | -2,433.7 | 142.8      |              | -14.1 | 0.4        |             | -7.5  | 0.2               |  |  |
| <b>9P39J6</b>                  | <b>16.4</b> | -0.2 | 0.1  | <b>19.6</b> | 0.1  | 0.1        | <b>5,388.3</b> | 0.0      | 0.1        | <b>68.4</b>  | 1.2   | 0.1        | <b>25.4</b> | 1.2   | 0.3               |  |  |
|                                |             | -1.7 | 0.2  |             | 0.5  | 0.2        |                | -89.7    | 50.3       |              | 37.0  | 1.2        |             | 5.9   | 0.4               |  |  |
| <b>KJBZ3T</b>                  | <b>23.3</b> | 0.5  | 1.0  | <b>28.0</b> | 1.9  | 1.1        | <b>7,190.0</b> | 0.8      | 0.4        | <b>174.0</b> | 4.8   | 4.1        | <b>25.0</b> | 1.1   | 0.8               |  |  |
|                                |             | 5.2  | 2.5  |             | 8.9  | 3.5        |                | 1,711.9  | 138.6      |              | 142.7 | 63.5       |             | 5.4   | 1.0               |  |  |
| <b>3HG3JC</b>                  | <b>14.9</b> | -0.3 |  | <b>11.7</b> | -1.6 |            | <b>2,688.0</b> | -1.3     |            | <b>50.7</b>  | 0.7   |            | <b>8.5</b>  | -2.2  |                   |  |  |
|                                |             | -3.3 | 0.0  |             | -7.5 | 0.0        |                | -2,790.1 | 0.0        |              | 19.4  | 0.0        |             | -11.0 | 0.0               |  |  |
| <b>VMZPEH</b>                  | <b>16.9</b> | -0.1 | 0.5  | <b>19.2</b> | 0.0  | 0.3        | <b>7,799.6</b> | 1.1      | 2.8        | <b>34.7</b>  | 0.1   | 0.3        | <b>19.6</b> | 0.0   | 1.2               |  |  |
|                                |             | -1.2 | 1.2  |             | 0.1  | 1.0        |                | 2,321.6  | 1,039.9    |              | 3.4   | 4.9        |             | 0.0   | 1.6               |  |  |
| <b>E8KYJY</b>                  | <b>16.6</b> | -0.2 | 0.1  | <b>18.5</b> | -0.1 | 0.5        | <b>7,027.7</b> | 0.7      | 0.5        | <b>25.8</b>  | -0.2  | 0.1        | <b>16.2</b> | -0.7  | 0.3               |  |  |
|                                |             | -1.6 | 0.2  |             | -0.6 | 1.6        |                | 1,549.6  | 194.5      |              | -5.6  | 1.4        |             | -3.4  | 0.3               |  |  |
| <b>XV4JLF</b>                  | <b>15.7</b> | -0.2 | 0.0  | <b>17.1</b> | -0.4 | 0.0        | <b>5,261.5</b> | -0.1     |            | <b>25.2</b>  | -0.2  | 0.0        | <b>16.4</b> | -0.6  | 0.0               |  |  |
|                                |             | -2.4 | 0.0  |             | -2.0 | 0.0        |                | -216.6   | 0.0        |              | -6.1  | 0.0        |             | -3.2  | 0.0               |  |  |
| <b>T67A2M</b>                  | <b>30.8</b> | 1.2  | 0.5  | <b>16.9</b> | -0.5 | 0.2        | <b>2,940.8</b> | -1.2     | 0.3        | <b>129.6</b> | 3.3   | 0.6        | <b>15.9</b> | -0.7  | 0.4               |  |  |
|                                |             | 12.6 | 1.1  |             | -2.2 | 0.5        |                | -2,537.3 | 95.1       |              | 98.3  | 9.2        |             | -3.7  | 0.5               |  |  |
| <b>Q2DTBN</b>                  | <b>17.3</b> | -0.1 | 0.5  | <b>14.9</b> | -0.9 | 0.1        | <b>6,317.3</b> | 0.4      | 0.0        | <b>30.7</b>  | 0.0   | 0.0        | <b>19.7</b> | 0.0   | 0.1               |  |  |
|                                |             | -0.8 | 1.2  |             | -4.2 | 0.2        |                | 839.3    | 6.4        |              | -0.6  | 0.3        |             | 0.2   | 0.2               |  |  |
| <b>WWZ2MH</b>                  | <b>16.8</b> | -0.1 | 0.0  | <b>21.2</b> | 0.4  | 0.0        | <b>3,434.0</b> | -1.0     |            | <b>28.9</b>  | -0.1  | 0.0        | <b>21.2</b> | 0.3   | 0.0               |  |  |
|                                |             | -1.4 | 0.0  |             | 2.1  | 0.0        |                | -2,044.1 | 0.0        |              | -2.4  | 0.0        |             | 1.7   | 0.0               |  |  |
| <b>GC6ZFU</b>                  | <b>14.1</b> | -0.4 | 1.0  | <b>17.8</b> | -0.3 | 0.2        | <b>5,478.1</b> | 0.0      | 0.3        | <b>33.4</b>  | 0.1   | 0.1        | <b>20.3</b> | 0.2   | 2.1               |  |  |
|                                |             | -4.0 | 2.4  |             | -1.3 | 0.5        |                | 0.0      | 110.5      |              | 2.1   | 2.3        |             | 0.8   | 2.8               |  |  |
| <b>2RDHVB</b>                  | <b>53.7</b> | 3.4  | 4.6  | <b>25.3</b> | 1.3  | 1.0        | <b>5,391.7</b> | 0.0      | 0.5        | <b>85.3</b>  | 1.8   | 1.7        | <b>25.0</b> | 1.1   | 0.8               |  |  |
|                                |             | 35.5 | 11.1   |             | 6.2  | 3.1        |                | -86.4    | 195.1      |              | 54.0  | 26.2       |             | 5.4   | 1.0               |  |  |
| <b>YNEK8D</b>                  | <b>17.8</b> | 0.0  | 0.2  | <b>18.2</b> | -0.2 | 0.1        | <b>6,406.9</b> | 0.4      | 0.3        | <b>53.3</b>  | 0.7   | 2.9        | <b>16.7</b> | -0.6  | 1.3               |  |  |
|                                |             | -0.3 | 0.4  |             | -1.0 | 0.4        |                | 928.8    | 120.1      |              | 21.9  | 44.3       |             | -2.9  | 1.7               |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|-------------|------------|---------|--------------|------------|---------|----------------|------------|---------|-------------|------------|---------|-------------|------------|---------|
|                          |             | Difference | W/L STD |              | Difference | W/L STD |                | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |
| <b>BX698W</b>            | <b>10.8</b> | -0.7       | 0.4     | <b>17.7</b>  | -0.3       | 0.1     | <b>7,034.5</b> | 0.7        | 0.0     | <b>25.0</b> | -0.2       | 0.0     | <b>16.1</b> | -0.7       | 0.3     |
|                          |             | -7.3       | 1.1     |              | -1.4       | 0.4     |                | 1,556.4    | 17.4    |             | -6.3       | 0.3     |             | -3.4       | 0.4     |
| <b>7KWVN2</b>            | <b>18.1</b> | 0.0        | 0.6     | <b>17.8</b>  | -0.3       | 0.1     | <b>4,217.7</b> | -0.6       | 1.3     | <b>25.1</b> | -0.2       | 0.2     | <b>14.2</b> | -1.1       | 1.3     |
|                          |             | 0.0        | 1.5     |              | -1.3       | 0.4     |                | -1,260.4   | 482.4   |             | -6.2       | 2.4     |             | -5.3       | 1.7     |
| <b>9WKG82</b>            | <b>19.2</b> | 0.1        | 0.1     | <b>13.0</b>  | -1.3       | 0.3     | <b>8,857.0</b> | 1.6        | 3.9     | <b>35.1</b> | 0.1        | 0.7     | <b>19.7</b> | 0.0        | 2.0     |
|                          |             | 1.1        | 0.3     |              | -6.1       | 0.8     |                | 3,378.9    | 1,475.6 |             | 3.7        | 11.5    |             | 0.1        | 2.6     |
| <b>MAXQQK</b>            | <b>23.0</b> | 0.5        | 0.8     | <b>22.1</b>  | 0.6        | 0.5     | <b>5,414.3</b> | 0.0        | 0.2     | <b>83.7</b> | 1.8        | 0.2     | <b>18.7</b> | -0.2       | 1.5     |
|                          |             | 4.9        | 2.0     |              | 3.0        | 1.6     |                | -63.7      | 79.4    |             | 52.3       | 3.5     |             | -0.8       | 1.9     |
| <b>MZTJBK</b>            | <b>19.4</b> | 0.1        | 0.4     | <b>21.1</b>  | 0.4        | 0.3     | <b>7,246.0</b> | 0.8        | 1.1     | <b>37.8</b> | 0.2        | 0.2     | <b>23.5</b> | 0.8        | 1.1     |
|                          |             | 1.2        | 0.9     |              | 2.0        | 0.9     |                | 1,767.9    | 409.8   |             | 6.5        | 2.9     |             | 3.9        | 1.5     |
| <b>6UNU32</b>            | <b>26.4</b> | 0.8        | 0.9     | <b>19.1</b>  | 0.0        | 0.1     | <b>6,356.5</b> | 0.4        | 0.4     | <b>22.9</b> | -0.3       | 0.0     | <b>13.4</b> | -1.2       | 0.3     |
|                          |             | 8.3        | 2.2     |              | 0.0        | 0.5     |                | 878.4      | 134.4   |             | -8.4       | 0.3     |             | -6.2       | 0.4     |
| <b>2YQUN2</b>            | <b>21.0</b> | 0.3        | 0.4     | <b>23.4</b>  | 0.9        | 0.3     | <b>8,191.9</b> | 1.3        | 0.5     | <b>31.4</b> | 0.0        | 0.1     | <b>21.9</b> | 0.5        | 1.2     |
|                          |             | 2.9        | 1.0     |              | 4.2        | 0.8     |                | 2,713.8    | 198.3   |             | 0.1        | 1.1     |             | 2.3        | 1.6     |
| <b>HX3QCL</b>            | <b>11.7</b> | -0.6       | 0.5     | <b>18.6</b>  | -0.1       | 0.3     | <b>7,299.9</b> | 0.9        | 0.2     | <b>31.3</b> | 0.0        | 0.3     | <b>18.0</b> | -0.3       | 0.8     |
|                          |             | -6.4       | 1.2     |              | -0.5       | 1.0     |                | 1,821.8    | 67.4    |             | 0.0        | 4.7     |             | -1.5       | 1.1     |
| <b>GF8XQM</b>            | <b>20.0</b> | 0.2        | 0.4     | <b>132.7</b> | 23.7       | 0.8     | <b>5,727.3</b> | 0.1        | 0.2     | <b>27.3</b> | -0.1       | 0.0     | <b>21.0</b> | 0.3        | 0.8     |
|                          |             | 1.9        | 1.0     |              | 113.6      | 2.5     |                | 249.3      | 58.7    |             | -4.0       | 0.6     |             | 1.4        | 1.0     |
| <b>N6HFCF</b>            | <b>23.4</b> | 0.5        | 0.8     | <b>31.4</b>  | 2.6        | 4.9     | <b>6,831.0</b> | 0.6        | 0.9     | <b>29.7</b> | -0.1       | 0.2     | <b>18.8</b> | -0.1       | 2.0     |
|                          |             | 5.3        | 1.9     |              | 12.3       | 14.9    |                | 1,352.9    | 345.5   |             | -1.7       | 3.3     |             | -0.7       | 2.7     |
| <b>Grand Median</b>      |             | 18.1       |         |              | 19.1       |         |                | 5,478.1    |         |             | 31.3       |         |             | 19.6       |         |
| <b>Median Abs Dev</b>    |             | 3.3        |         |              | 2.1        |         |                | 1,260.4    |         |             | 6.2        |         |             | 2.9        |         |
| <b>Avg Within Lab SD</b> |             | 2.4        |         |              | 3.1        |         |                | 375.0      |         |             | 15.6       |         |             | 1.3        |         |
| <b>Labs Included</b>     |             | 29         |         |              | 29         |         |                | 29         |         |             | 29         |         |             | 29         |         |
| <b>Labs Reporting</b>    |             | 29         |         |              | 29         |         |                | 29         |         |             | 29         |         |             | 29         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Al (SubTestCode 164) |              |        | in the Mehlich-3 Multi-Element Property Groups |                |        |       |              |        |      |              |        |      |              |        | Data units: mg/kg |  |  |
|---------------------------------|--------------|--------|--|----------------|--------|-------|--------------|--------|------|--------------|--------|------|--------------|--------|-------------------|--|--|
|                                 | SRSSRS1606   |        |  | SRSSRS1607     |        |       | SRSSRS1608   |        |      | SRSSRS1609   |        |      | SRSSRS1610   |        |                   |  |  |
| <b>BYXYDC</b>                   | <b>396.3</b> | -0.6   | 0.9  | <b>1,023.6</b> | -0.4   | 0.3   | <b>195.6</b> | 0.3    | 0.6  | <b>698.1</b> | -1.0   | 2.1  | <b>778.2</b> | -0.1   | 1.7               |  |  |
|                                 |              | -58.7  | 19.3   |                | -49.8  | 20.1  |              | 14.9   | 7.8  |              | -99.7  | 77.9 |              | -14.8  | 66.4              |  |  |
| <b>UJH8JT</b>                   | <b>512.2</b> | 0.6    | 0.2  | <b>1,203.5</b> | 1.1    | 0.1   | <b>193.3</b> | 0.3    | 0.1  | <b>850.4</b> | 0.5    | 0.5  | <b>836.2</b> | 0.4    | 0.4               |  |  |
|                                 |              | 57.2   | 4.2  |                | 130.1  | 4.0   |              | 12.6   | 1.3  |              | 52.5   | 17.4 |              | 43.2   | 15.5              |  |  |
| <b>WP3AEN</b>                   | <b>423.7</b> | -0.3   | 0.5  | <b>1,073.3</b> | 0.0    | 0.6   | <b>184.1</b> | 0.1    | 0.6  | <b>832.3</b> | 0.3    | 0.8  | <b>752.9</b> | -0.4   | 0.6               |  |  |
|                                 |              | -31.3  | 10.3   |                | 0.0    | 45.6  |              | 3.4    | 8.6  |              | 34.4   | 31.6 |              | -40.1  | 21.3              |  |  |
| <b>KJBZ3T</b>                   | <b>450.0</b> | 0.0    | 1.9  | <b>1,043.3</b> | -0.2   | 0.1   | <b>180.7</b> | 0.0    | 1.9  | <b>753.7</b> | -0.4   | 1.1  | <b>807.7</b> | 0.1    | 1.3               |  |  |
|                                 |              | -5.0   | 39.0   |                | -30.0  | 5.8   |              | 0.0    | 25.0 |              | -44.2  | 40.7 |              | 14.7   | 50.9              |  |  |
| <b>E8KYJY</b>                   | <b>397.0</b> | -0.6   | 0.4  | <b>937.0</b>   | -1.1   | 0.1   | <b>143.3</b> | -0.9   | 0.0  | <b>650.0</b> | -1.5   | 0.2  | <b>651.0</b> | -1.3   | 0.3               |  |  |
|                                 |              | -58.0  | 7.8  |                | -136.3 | 8.2   |              | -37.3  | 0.6  |              | -147.9 | 8.5  |              | -142.0 | 10.8              |  |  |
| <b>WWZ2MH</b>                   | <b>414.3</b> | -0.4   | 0.0  | <b>987.0</b>   | -0.7   |       | <b>137.3</b> | -1.0   | 0.0  | <b>724.0</b> | -0.7   |      | <b>793.0</b> | 0.0    |                   |  |  |
|                                 |              | -40.7  | 0.6  |                | -86.3  | 0.0   |              | -43.4  | 0.5  |              | -73.9  | 0.0  |              | 0.0    | 0.0               |  |  |
| <b>GC6ZFU</b>                   | <b>450.6</b> | 0.0    | 0.7  | <b>896.5</b>   | -1.5   | 1.0   | <b>157.0</b> | -0.5   | 0.8  | <b>744.4</b> | -0.5   | 0.3  | <b>722.3</b> | -0.7   | 0.7               |  |  |
|                                 |              | -4.4   | 15.1   |                | -176.9 | 73.4  |              | -23.7  | 10.4 |              | -53.5  | 10.4 |              | -70.7  | 27.6              |  |  |
| <b>2RDHVB</b>                   | <b>513.3</b> | 0.6    | 0.9  | <b>1,161.0</b> | 0.7    | 0.6   | <b>189.7</b> | 0.2    | 1.0  | <b>843.0</b> | 0.4    | 1.3  | <b>797.0</b> | 0.0    | 1.2               |  |  |
|                                 |              | 58.3   | 18.9   |                | 87.7   | 43.6  |              | 9.0    | 13.1 |              | 45.1   | 48.7 |              | 4.0    | 47.8              |  |  |
| <b>BX698W</b>                   | <b>520.2</b> | 0.6    | 0.4  | <b>1,093.2</b> | 0.2    | 0.2   | <b>202.0</b> | 0.5    | 0.4  | <b>799.0</b> | 0.0    | 0.4  | <b>794.1</b> | 0.0    | 0.4               |  |  |
|                                 |              | 65.2   | 9.1  |                | 19.9   | 11.3  |              | 21.3   | 5.2  |              | 1.2    | 14.1 |              | 1.1    | 13.7              |  |  |
| <b>9WKG82</b>                   | <b>609.1</b> | 1.5    | 1.6  | <b>1,155.0</b> | 0.7    | 0.5   | <b>194.3</b> | 0.3    | 1.9  | <b>967.8</b> | 1.7    | 1.8  | <b>958.7</b> | 1.6    | 1.0               |  |  |
|                                 |              | 154.1  | 33.1   |                | 81.7   | 31.8  |              | 13.6   | 25.1 |              | 169.9  | 69.3 |              | 165.7  | 39.6              |  |  |
| <b>MAXQQK</b>                   | <b>490.0</b> | 0.3    | 1.7  | <b>995.7</b>   | -0.6   | 0.3   | <b>171.7</b> | -0.2   | 1.1  | <b>601.7</b> | -1.9   | 0.6  | <b>600.0</b> | -1.8   | 0.2               |  |  |
|                                 |              | 35.0   | 35.0   |                | -77.7  | 22.2  |              | -9.0   | 14.7 |              | -196.2 | 22.4 |              | -193.0 | 6.0               |  |  |
| <b>MZTJBK</b>                   | <b>455.0</b> | 0.0    | 1.1  | <b>1,084.8</b> | 0.1    | 3.5   | <b>146.6</b> | -0.8   | 0.9  | <b>805.8</b> | 0.1    | 1.2  | <b>986.6</b> | 1.8    | 2.4               |  |  |
|                                 |              | 0.0    | 22.1   |                | 11.5   | 244.2 |              | -34.1  | 11.8 |              | 7.9    | 44.3 |              | 193.6  | 93.6              |  |  |
| <b>6UNU32</b>                   | <b>115.8</b> | -3.3   | 0.1  | <b>1,211.4</b> | 1.1    | 0.3   | <b>5.9</b>   | -4.0   | 0.0  | <b>828.3</b> | 0.3    | 0.2  | <b>834.1</b> | 0.4    | 0.1               |  |  |
|                                 |              | -339.2 | 1.6  |                | 138.0  | 24.3  |              | -174.8 | 0.2  |              | 30.5   | 7.1  |              | 41.1   | 3.7               |  |  |
| <b>HX3QCL</b>                   | <b>455.7</b> | 0.0    | 0.4  | <b>952.0</b>   | -1.0   | 0.1   | <b>156.9</b> | -0.6   | 0.5  | <b>797.9</b> | 0.0    | 0.3  | <b>760.5</b> | -0.3   | 0.2               |  |  |
|                                 |              | 0.7    | 8.2  |                | -121.4 | 9.0   |              | -23.8  | 7.2  |              | 0.0    | 11.4 |              | -32.5  | 8.7               |  |  |
| <b>N6HFCF</b>                   | <b>589.7</b> | 1.3    | 1.5  | <b>1,145.0</b> | 0.6    | 0.7   | <b>197.0</b> | 0.4    | 1.8  | <b>728.3</b> | -0.7   | 1.2  | <b>668.3</b> | -1.2   | 0.8               |  |  |
|                                 |              | 134.7  | 31.6   |                | 71.7   | 52.6  |              | 16.3   | 24.9 |              | -69.6  | 46.6 |              | -124.7 | 30.1              |  |  |
| <b>Grand Median</b>             |              | 455.0  |  | 1,073.3        |        |       | 180.7        |        |      | 797.9        |        |      | 793.0        |        |                   |  |  |
| <b>Median Abs Dev</b>           |              | 57.2   |  | 81.7           |        |       | 16.3         |        |      | 52.5         |        |      | 41.1         |        |                   |  |  |
| <b>Avg Within Lab SD</b>        |              | 21.0   |  | 70.5           |        |       | 13.5         |        |      | 37.8         |        |      | 38.6         |        |                   |  |  |
| <b>Labs Included</b>            |              | 15     |  | 15             |        |       | 15           |        |      | 15           |        |      | 15           |        |                   |  |  |
| <b>Labs Reporting</b>           |              | 15     |  | 15             |        |       | 15           |        |      | 15           |        |      | 15           |        |                   |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Zn (SubTestCode 165) |       |       | in the Mehlich-3 Multi-Element Property Groups |      |       |            |      |       |            |      |       | Data units: mg/kg |      |       |      |
|---------------------------------|-------|-------|--|------|-------|------------|------|-------|------------|------|-------|-------------------|------|-------|------|
| SRSSRS1606                      |       |       | SRSSRS1607                                     |      |       | SRSSRS1608 |      |       | SRSSRS1609 |      |       | SRSSRS1610        |      |       |      |
| BYXYDC                          | 5.18  | -0.20 | 0.27   | 1.22 | 0.20  | 0.13       | 5.64 | 0.81  | 2.86       | 1.23 | 0.18  | 0.39              | 4.25 | 0.53  | 0.79 |
|                                 |       | -0.19 | 0.06   |      | 0.08  | 0.02       |      | 0.64  | 0.68       |      | 0.08  | 0.03              |      | 0.45  | 0.17 |
| UJH8JT                          | 5.94  | 0.61  | 0.18   | 1.04 | -0.23 | 0.09       | 4.74 | -0.33 | 0.44       | 1.02 | -0.29 | 0.30              | 4.08 | 0.33  | 0.40 |
|                                 |       | 0.57  | 0.04   |      | -0.09 | 0.02       |      | -0.26 | 0.10       |      | -0.13 | 0.02              |      | 0.28  | 0.08 |
| WPJ78M                          | 44.00 | 41.01 |  | 1.40 | 0.65  | 0.62       | 5.40 | 0.51  | 0.42       | 1.43 | 0.65  | 0.74              | 4.67 | 1.03  | 0.55 |
|                                 |       | 38.63 | 0.00   |      | 0.26  | 0.10       |      | 0.40  | 0.10       |      | 0.28  | 0.06              |      | 0.87  | 0.12 |
| PDR4NU                          | 5.83  | 0.49  | 1.31   | 1.00 | -0.34 |            | 5.00 | 0.00  |            | 2.00 | 1.95  |                   | 4.00 | 0.24  |      |
|                                 |       | 0.46  | 0.29   |      | -0.14 | 0.00       |      | 0.00  | 0.00       |      | 0.85  | 0.00              |      | 0.20  | 0.00 |
| WP3AEN                          | 5.50  | 0.13  | 1.81   | 1.19 | 0.14  | 0.34       | 5.33 | 0.42  | 1.36       | 1.30 | 0.34  | 1.28              | 4.77 | 1.15  | 1.54 |
|                                 |       | 0.13  | 0.40   |      | 0.06  | 0.06       |      | 0.33  | 0.32       |      | 0.15  | 0.10              |      | 0.97  | 0.32 |
| JMZPA2                          | 4.83  | -0.58 | 1.42   | 1.84 | 1.73  | 2.03       | 5.75 | 0.95  | 0.79       | 1.69 | 1.24  | 0.07              | 2.97 | -0.98 | 0.29 |
|                                 |       | -0.55 | 0.31   |      | 0.71  | 0.33       |      | 0.75  | 0.19       |      | 0.54  | 0.01              |      | -0.83 | 0.06 |
| YM93AG                          | 5.12  | -0.27 | 0.46   | 1.10 | -0.09 | 0.12       | 4.94 | -0.08 | 0.28       | 1.17 | 0.05  | 0.32              | 4.08 | 0.33  | 0.10 |
|                                 |       | -0.25 | 0.10   |      | -0.04 | 0.02       |      | -0.06 | 0.07       |      | 0.02  | 0.03              |      | 0.28  | 0.02 |
| JDB3EY                          | 4.82  | -0.59 | 1.62   | 1.14 | 0.00  | 0.36       | 5.00 | 0.00  | 0.32       | 1.11 | -0.08 | 0.39              | 3.68 | -0.14 | 0.53 |
|                                 |       | -0.56 | 0.36   |      | 0.00  | 0.06       |      | 0.00  | 0.08       |      | -0.04 | 0.03              |      | -0.12 | 0.11 |
| 9P39J6                          | 4.97  | -0.42 | 0.05   | 1.11 | -0.07 | 0.21       | 4.92 | -0.10 | 0.26       | 1.15 | 0.00  | 0.46              | 4.07 | 0.33  | 0.26 |
|                                 |       | -0.40 | 0.01   |      | -0.03 | 0.03       |      | -0.08 | 0.06       |      | 0.00  | 0.04              |      | 0.27  | 0.06 |
| KJBZ3T                          | 6.00  | 0.67  |  | 1.33 | 0.48  | 3.57       | 5.00 | 0.00  |            | 1.00 | -0.34 |                   | 4.00 | 0.24  |      |
|                                 |       | 0.63  | 0.00   |      | 0.20  | 0.58       |      | 0.00  | 0.00       |      | -0.15 | 0.00              |      | 0.20  | 0.00 |
| 3HG3JC                          | 3.97  | -1.49 |  | 0.74 | -0.97 |            | 5.14 | 0.18  |            | 0.66 | -1.12 |                   | 1.75 | -2.43 |      |
|                                 |       | -1.40 | 0.00   |      | -0.40 | 0.00       |      | 0.14  | 0.00       |      | -0.49 | 0.00              |      | -2.05 | 0.00 |
| VMZPEH                          | 5.37  | 0.00  | 1.99   | 1.30 | 0.39  | 1.87       | 5.27 | 0.34  | 2.71       | 1.22 | 0.17  | 2.19              | 4.16 | 0.42  | 2.87 |
|                                 |       | 0.00  | 0.44   |      | 0.16  | 0.30       |      | 0.27  | 0.64       |      | 0.07  | 0.17              |      | 0.36  | 0.60 |
| E8KYJY                          | 4.90  | -0.51 | 0.23   | 1.15 | 0.03  | 0.22       | 4.44 | -0.71 | 0.64       | 1.13 | -0.05 | 0.22              | 3.57 | -0.27 | 0.17 |
|                                 |       | -0.48 | 0.05   |      | 0.01  | 0.04       |      | -0.56 | 0.15       |      | -0.02 | 0.02              |      | -0.23 | 0.03 |
| XV4JLF                          | 4.71  | -0.70 | 0.00   | 0.97 | -0.41 | 0.00       | 4.56 | -0.56 | 0.00       | 0.96 | -0.44 | 0.00              | 3.53 | -0.32 | 0.00 |
|                                 |       | -0.66 | 0.00   |      | -0.17 | 0.00       |      | -0.44 | 0.00       |      | -0.19 | 0.00              |      | -0.27 | 0.00 |
| T67A2M                          | 6.66  | 1.37  | 0.68   | 2.17 | 2.53  | 0.28       | 5.42 | 0.54  | 0.23       | 1.77 | 1.42  | 0.51              | 4.44 | 0.76  | 0.05 |
|                                 |       | 1.29  | 0.15   |      | 1.03  | 0.05       |      | 0.42  | 0.06       |      | 0.62  | 0.04              |      | 0.64  | 0.01 |
| Q2DTBN                          | 4.93  | -0.47 | 0.26   | 0.90 | -0.57 | 0.07       | 4.83 | -0.21 | 0.24       | 1.07 | -0.19 | 0.74              | 3.81 | 0.02  | 0.07 |
|                                 |       | -0.44 | 0.06   |      | -0.23 | 0.01       |      | -0.17 | 0.06       |      | -0.08 | 0.06              |      | 0.01  | 0.02 |
| WWZ2MH                          | 4.87  | -0.53 | 0.00   | 1.35 | 0.52  | 0.00       | 5.38 | 0.49  | 0.00       | 1.23 | 0.17  | 0.00              | 4.12 | 0.39  | 0.00 |
|                                 |       | -0.50 | 0.00   |      | 0.21  | 0.00       |      | 0.38  | 0.00       |      | 0.08  | 0.00              |      | 0.33  | 0.00 |
| GC6ZFU                          | 5.62  | 0.26  | 0.83   | 1.26 | 0.30  | 0.81       | 4.89 | -0.14 | 0.99       | 1.61 | 1.05  | 3.43              | 3.76 | -0.05 | 1.66 |
|                                 |       | 0.25  | 0.18   |      | 0.12  | 0.13       |      | -0.11 | 0.23       |      | 0.46  | 0.27              |      | -0.04 | 0.35 |
| 2RDHVB                          | 5.65  | 0.29  | 1.41   | 0.77 | -0.89 | 0.31       | 4.69 | -0.40 | 0.52       | 0.81 | -0.77 | 1.12              | 3.19 | -0.72 | 0.99 |
|                                 |       | 0.28  | 0.31   |      | -0.36 | 0.05       |      | -0.31 | 0.12       |      | -0.34 | 0.09              |      | -0.61 | 0.21 |
| YNEK8D                          | 5.54  | 0.18  | 0.41   | 0.72 | -1.03 | 0.66       | 5.56 | 0.71  | 1.12       | 0.72 | -0.97 | 1.14              | 3.02 | -0.92 | 0.99 |
|                                 |       | 0.17  | 0.09   |      | -0.42 | 0.11       |      | 0.56  | 0.26       |      | -0.43 | 0.09              |      | -0.78 | 0.21 |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>BX698W</b>            | <b>5.87</b>        | 0.53    | 0.32    | <b>1.08</b>        | -0.15   | 0.04    | <b>5.09</b>        | 0.12    | 0.28    | <b>1.15</b>        | 0.01    | 0.26    | <b>4.13</b>        | 0.40    | 0.30    |
|                          |                    | 0.50    | 0.07    |                    | -0.06   | 0.01    |                    | 0.09    | 0.07    |                    | 0.00    | 0.02    |                    | 0.33    | 0.06    |
| <b>7KWVN2</b>            | <b>3.63</b>        | -1.85   | 2.66    | <b>1.30</b>        | 0.40    | 0.66    | <b>3.63</b>        | -1.74   | 1.24    | <b>1.34</b>        | 0.43    | 0.75    | <b>2.80</b>        | -1.18   | 1.06    |
|                          |                    | -1.75   | 0.59    |                    | 0.16    | 0.11    |                    | -1.37   | 0.29    |                    | 0.19    | 0.06    |                    | -1.00   | 0.22    |
| <b>9WKG82</b>            | <b>5.77</b>        | 0.42    | 0.26    | <b>1.00</b>        | -0.34   |         | <b>5.07</b>        | 0.08    | 0.98    | <b>1.13</b>        | -0.04   | 1.47    | <b>3.93</b>        | 0.16    | 1.54    |
|                          |                    | 0.39    | 0.06    |                    | -0.14   | 0.00    |                    | 0.07    | 0.23    |                    | -0.02   | 0.12    |                    | 0.13    | 0.32    |
| <b>MAXQQK</b>            | <b>6.12</b>        | 0.79    | 0.94    | <b>1.14</b>        | 0.01    | 0.61    | <b>5.18</b>        | 0.23    | 0.77    | <b>0.99</b>        | -0.37   | 0.80    | <b>3.18</b>        | -0.73   | 1.10    |
|                          |                    | 0.75    | 0.21    |                    | 0.00    | 0.10    |                    | 0.18    | 0.18    |                    | -0.16   | 0.06    |                    | -0.62   | 0.23    |
| <b>MZTJBK</b>            | <b>5.48</b>        | 0.11    | 0.48    | <b>1.64</b>        | 1.23    | 1.15    | <b>4.50</b>        | -0.64   | 0.83    | <b>1.64</b>        | 1.12    | 1.47    | <b>4.61</b>        | 0.96    | 1.16    |
|                          |                    | 0.10    | 0.11    |                    | 0.50    | 0.19    |                    | -0.50   | 0.20    |                    | 0.49    | 0.12    |                    | 0.81    | 0.24    |
| <b>6UNU32</b>            | <b>5.02</b>        | -0.37   | 0.33    | <b>1.76</b>        | 1.53    | 0.11    | <b>4.11</b>        | -1.12   | 0.03    | <b>1.91</b>        | 1.74    | 0.27    | <b>3.80</b>        | 0.00    | 0.08    |
|                          |                    | -0.35   | 0.07    |                    | 0.62    | 0.02    |                    | -0.89   | 0.01    |                    | 0.76    | 0.02    |                    | 0.00    | 0.02    |
| <b>2YQUN2</b>            | <b>5.61</b>        | 0.26    | 0.51    | <b>0.59</b>        | -1.35   | 0.18    | <b>5.33</b>        | 0.42    | 0.08    | <b>0.57</b>        | -1.33   | 0.35    | <b>3.13</b>        | -0.79   | 0.62    |
|                          |                    | 0.24    | 0.11    |                    | -0.55   | 0.03    |                    | 0.33    | 0.02    |                    | -0.58   | 0.03    |                    | -0.66   | 0.13    |
| <b>HX3QCL</b>            | <b>5.65</b>        | 0.30    | 0.53    | <b>1.33</b>        | 0.48    | 0.32    | <b>6.15</b>        | 1.46    | 0.33    | <b>1.56</b>        | 0.95    | 0.48    | <b>3.71</b>        | -0.11   | 0.63    |
|                          |                    | 0.28    | 0.12    |                    | 0.20    | 0.05    |                    | 1.15    | 0.08    |                    | 0.41    | 0.04    |                    | -0.09   | 0.13    |
| <b>GF8XQM</b>            | <b>1.23</b>        | -4.39   | 0.26    | <b>0.27</b>        | -2.12   | 0.16    | <b>1.13</b>        | -4.90   | 0.24    | <b>0.35</b>        | -1.84   | 0.27    | <b>0.93</b>        | -3.40   | 0.28    |
|                          |                    | -4.14   | 0.06    |                    | -0.86   | 0.03    |                    | -3.87   | 0.06    |                    | -0.80   | 0.02    |                    | -2.87   | 0.06    |
| <b>N6HFCF</b>            | <b>4.64</b>        | -0.77   | 1.62    | <b>0.72</b>        | -1.03   | 2.16    | <b>3.51</b>        | -1.89   | 1.86    | <b>0.75</b>        | -0.91   | 0.79    | <b>2.72</b>        | -1.27   | 2.32    |
|                          |                    | -0.73   | 0.36    |                    | -0.42   | 0.35    |                    | -1.49   | 0.44    |                    | -0.40   | 0.06    |                    | -1.08   | 0.48    |
| <b>Grand Median</b>      |                    | 5.37    |         |                    | 1.14    |         |                    | 5.00    |         |                    | 1.15    |         |                    | 3.80    |         |
| <b>Median Abs Dev</b>    |                    | 0.46    |         |                    | 0.17    |         |                    | 0.33    |         |                    | 0.19    |         |                    | 0.33    |         |
| <b>Avg Within Lab SD</b> |                    | 0.22    |         |                    | 0.16    |         |                    | 0.24    |         |                    | 0.08    |         |                    | 0.21    |         |
| <b>Labs Included</b>     |                    | 29      |         |                    | 29      |         |                    | 29      |         |                    | 29      |         |                    | 29      |         |
| <b>Labs Reporting</b>    |                    | 30      |         |                    | 30      |         |                    | 30      |         |                    | 30      |         |                    | 30      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Mn (SubTestCode 166) |              |       | in the Mehlich-3 Multi-Element Property Groups |             |       |            |              |       |            |             |       |            |             |       | Data units: mg/kg |  |  |
|---------------------------------|--------------|-------|--|-------------|-------|------------|--------------|-------|------------|-------------|-------|------------|-------------|-------|-------------------|--|--|
| SRSSRS1606                      |              |       | SRSSRS1607                                     |             |       | SRSSRS1608 |              |       | SRSSRS1609 |             |       | SRSSRS1610 |             |       |                   |  |  |
| <b>BYXYDC</b>                   | <b>138.1</b> | 0.1   | 1.3  | <b>19.7</b> | 0.2   | 0.3        | <b>147.2</b> | 0.1   | 0.1        | <b>79.7</b> | 0.3   | 2.0        | <b>26.3</b> | 0.6   | 1.3               |  |  |
|                                 |              | 3.9   | 7.3  |             | 0.9   | 0.3        |              | 2.7   | 1.0        |             | 5.4   | 8.6        |             | 4.2   | 2.4               |  |  |
| <b>UJH8JT</b>                   | <b>162.7</b> | 0.9   | 0.4  | <b>19.9</b> | 0.3   | 0.3        | <b>153.7</b> | 0.2   | 0.2        | <b>84.8</b> | 0.6   | 0.1        | <b>22.1</b> | 0.0   | 0.1               |  |  |
|                                 |              | 28.5  | 2.0  |             | 1.2   | 0.4        |              | 9.2   | 1.7        |             | 10.5  | 0.4        |             | 0.0   | 0.2               |  |  |
| <b>WPJ78M</b>                   | <b>45.0</b>  | -2.8  | 0.0  | <b>21.7</b> | 0.6   | 0.5        | <b>174.3</b> | 0.8   | 0.5        | <b>93.7</b> | 1.2   | 1.0        | <b>23.3</b> | 0.2   | 0.3               |  |  |
|                                 |              | -89.2 |  |             | 2.9   | 0.6        |              | 29.9  | 3.5        |             | 19.3  | 4.2        |             | 1.2   | 0.6               |  |  |
| <b>PDR4NU</b>                   | <b>150.0</b> | 0.5   |  | <b>20.0</b> | 0.3   |            | <b>163.3</b> | 0.5   | 0.4        | <b>90.0</b> | 0.9   |            | <b>30.0</b> | 1.2   |                   |  |  |
|                                 |              | 15.8  | 0.0  |             | 1.2   | 0.0        |              | 18.9  | 2.9        |             | 15.7  | 0.0        |             | 7.9   | 0.0               |  |  |
| <b>WP3AEN</b>                   | <b>140.7</b> | 0.2   | 3.0  | <b>21.9</b> | 0.7   | 0.9        | <b>146.2</b> | 0.0   | 0.6        | <b>93.4</b> | 1.1   | 0.5        | <b>22.9</b> | 0.1   | 1.1               |  |  |
|                                 |              | 6.5   | 17.1   |             | 3.2   | 1.1        |              | 1.8   | 4.3        |             | 19.1  | 2.3        |             | 0.7   | 2.0               |  |  |
| <b>JMZPA2</b>                   | <b>125.3</b> | -0.3  | 0.7  | <b>19.1</b> | 0.1   | 0.3        | <b>132.7</b> | -0.3  | 0.4        | <b>62.2</b> | -0.7  | 0.8        | <b>18.9</b> | -0.5  | 0.6               |  |  |
|                                 |              | -8.9  | 4.2  |             | 0.3   | 0.3        |              | -11.8 | 2.9        |             | -12.2 | 3.6        |             | -3.3  | 1.0               |  |  |
| <b>YM93AG</b>                   | <b>126.5</b> | -0.2  | 0.1  | <b>15.8</b> | -0.7  | 0.1        | <b>123.5</b> | -0.5  | 0.3        | <b>71.7</b> | -0.2  | 0.2        | <b>21.7</b> | -0.1  | 0.1               |  |  |
|                                 |              | -7.7  | 0.7  |             | -3.0  | 0.1        |              | -20.9 | 2.1        |             | -2.7  | 0.8        |             | -0.4  | 0.1               |  |  |
| <b>JDB3EY</b>                   | <b>132.9</b> | 0.0   | 1.4  | <b>16.4</b> | -0.5  | 0.7        | <b>154.2</b> | 0.3   | 0.2        | <b>71.9</b> | -0.1  | 0.3        | <b>21.3</b> | -0.1  | 0.4               |  |  |
|                                 |              | -1.3  | 7.8  |             | -2.4  | 0.8        |              | 9.8   | 1.7        |             | -2.5  | 1.2        |             | -0.8  | 0.7               |  |  |
| <b>9P39J6</b>                   | <b>127.6</b> | -0.2  | 0.1  | <b>15.8</b> | -0.7  | 0.2        | <b>124.5</b> | -0.5  | 0.2        | <b>71.5</b> | -0.2  | 0.3        | <b>21.6</b> | -0.1  | 0.2               |  |  |
|                                 |              | -6.6  | 0.8  |             | -3.0  | 0.2        |              | -20.0 | 1.3        |             | -2.9  | 1.3        |             | -0.6  | 0.3               |  |  |
| <b>KJBZ3T</b>                   | <b>158.0</b> | 0.7   | 0.6  | <b>20.7</b> | 0.4   | 0.5        | <b>160.0</b> | 0.4   | 0.5        | <b>79.7</b> | 0.3   | 0.9        | <b>24.0</b> | 0.3   | 0.5               |  |  |
|                                 |              | 23.8  | 3.5  |             | 1.9   | 0.6        |              | 15.6  | 3.6        |             | 5.3   | 4.0        |             | 1.9   | 1.0               |  |  |
| <b>3HG3JC</b>                   | <b>101.9</b> | -1.0  |  | <b>17.2</b> | -0.4  |            | <b>77.4</b>  | -1.7  |            | <b>59.0</b> | -0.9  |            | <b>11.6</b> | -1.6  |                   |  |  |
|                                 |              | -32.3 | 0.0  |             | -1.6  | 0.0        |              | -67.0 | 0.0        |             | -15.4 | 0.0        |             | -10.6 | 0.0               |  |  |
| <b>VMZPEH</b>                   | <b>152.6</b> | 0.6   | 2.1  | <b>19.4</b> | 0.1   | 1.6        | <b>170.0</b> | 0.7   | 3.6        | <b>88.2</b> | 0.8   | 3.3        | <b>25.8</b> | 0.6   | 2.6               |  |  |
|                                 |              | 18.4  | 11.8   |             | 0.7   | 1.9        |              | 25.6  | 27.4       |             | 13.9  | 14.6       |             | 3.7   | 4.9               |  |  |
| <b>E8KYJY</b>                   | <b>123.0</b> | -0.3  |  | <b>17.8</b> | -0.2  | 0.3        | <b>126.0</b> | -0.5  | 0.5        | <b>69.8</b> | -0.3  | 0.3        | <b>17.1</b> | -0.8  | 0.3               |  |  |
|                                 |              | -11.2 | 0.0  |             | -1.0  | 0.3        |              | -18.4 | 3.6        |             | -4.5  | 1.2        |             | -5.0  | 0.6               |  |  |
| <b>XV4JLF</b>                   | <b>132.0</b> | -0.1  |  | <b>18.0</b> | -0.2  |            | <b>130.3</b> | -0.4  | 0.0        | <b>72.5</b> | -0.1  | 0.0        | <b>20.7</b> | -0.2  | 0.0               |  |  |
|                                 |              | -2.2  | 0.0  |             | -0.8  | 0.0        |              | -14.1 | 0.0        |             | -1.9  | 0.0        |             | -1.5  | 0.0               |  |  |
| <b>T67A2M</b>                   | <b>153.9</b> | 0.6   | 0.5  | <b>30.0</b> | 2.5   | 0.7        | <b>147.8</b> | 0.1   | 0.3        | <b>89.6</b> | 0.9   | 0.3        | <b>31.0</b> | 1.3   | 0.3               |  |  |
|                                 |              | 19.7  | 2.8  |             | 11.2  | 0.8        |              | 3.4   | 2.0        |             | 15.3  | 1.5        |             | 8.9   | 0.5               |  |  |
| <b>Q2DTBN</b>                   | <b>82.7</b>  | -1.6  | 0.3  | <b>8.5</b>  | -2.3  | 0.0        | <b>82.9</b>  | -1.6  | 0.0        | <b>51.7</b> | -1.4  | 0.0        | <b>12.7</b> | -1.4  | 0.3               |  |  |
|                                 |              | -51.5 | 1.5  |             | -10.3 | 0.1        |              | -61.6 | 0.1        |             | -22.6 | 0.1        |             | -9.5  | 0.6               |  |  |
| <b>WWZ2MH</b>                   | <b>118.3</b> | -0.5  | 0.1  | <b>20.2</b> | 0.3   | 0.0        | <b>146.0</b> | 0.0   |            | <b>74.3</b> | 0.0   | 0.0        | <b>23.9</b> | 0.3   | 0.0               |  |  |
|                                 |              | -15.9 | 0.6  |             | 1.5   | 0.0        |              | 1.6   | 0.0        |             | 0.0   | 0.0        |             | 1.8   | 0.0               |  |  |
| <b>GC6ZFU</b>                   | <b>134.2</b> | 0.0   | 0.5  | <b>14.7</b> | -0.9  | 1.1        | <b>107.9</b> | -0.9  | 0.9        | <b>73.9</b> | 0.0   | 0.2        | <b>18.3</b> | -0.6  | 0.7               |  |  |
|                                 |              | 0.0   | 2.9  |             | -4.1  | 1.3        |              | -36.5 | 6.6        |             | -0.4  | 0.7        |             | -3.8  | 1.3               |  |  |
| <b>2RDHVB</b>                   | <b>160.3</b> | 0.8   | 0.4  | <b>20.0</b> | 0.3   | 2.3        | <b>144.7</b> | 0.0   | 0.4        | <b>93.0</b> | 1.1   | 1.2        | <b>22.7</b> | 0.1   | 2.7               |  |  |
|                                 |              | 26.1  | 2.1  |             | 1.2   | 2.6        |              | 0.2   | 3.1        |             | 18.7  | 5.2        |             | 0.5   | 5.0               |  |  |
| <b>BX698W</b>                   | <b>170.5</b> | 1.1   | 0.4  | <b>21.4</b> | 0.6   | 0.1        | <b>172.1</b> | 0.7   | 0.3        | <b>87.9</b> | 0.8   | 0.4        | <b>26.0</b> | 0.6   | 0.3               |  |  |
|                                 |              | 36.3  | 2.5  |             | 2.6   | 0.1        |              | 27.7  | 2.4        |             | 13.5  | 1.8        |             | 3.9   | 0.5               |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>7KWVN2</b>            | <b>114.7</b>       | -0.6    | 0.7     | <b>18.8</b>        | 0.0     | 0.9     | <b>117.0</b>       | -0.7    | 0.5     | <b>60.1</b>        | -0.9    | 0.2     | <b>16.9</b>        | -0.8    | 0.5     |
|                          |                    | -19.5   | 4.0     |                    | 0.0     | 1.0     |                    | -27.4   | 3.5     |                    | -14.2   | 0.8     |                    | -5.2    | 1.0     |
| <b>9WKG82</b>            | <b>141.2</b>       | 0.2     | 1.4     | <b>17.1</b>        | -0.4    | 2.5     | <b>136.2</b>       | -0.2    | 2.6     | <b>78.6</b>        | 0.3     | 2.1     | <b>23.0</b>        | 0.1     | 2.5     |
|                          |                    | 7.0     | 7.9     |                    | -1.7    | 3.0     |                    | -8.2    | 19.5    |                    | 4.3     | 9.0     |                    | 0.8     | 4.6     |
| <b>MAXQQK</b>            | <b>129.7</b>       | -0.1    | 1.2     | <b>13.7</b>        | -1.1    | 0.5     | <b>97.3</b>        | -1.2    | 0.6     | <b>61.7</b>        | -0.8    | 0.5     | <b>16.7</b>        | -0.8    | 0.6     |
|                          |                    | -4.5    | 6.8     |                    | -5.1    | 0.6     |                    | -47.1   | 4.2     |                    | -12.7   | 2.1     |                    | -5.5    | 1.2     |
| <b>MZTJBK</b>            | <b>163.3</b>       | 0.9     | 1.6     | <b>20.5</b>        | 0.4     | 2.9     | <b>167.9</b>       | 0.6     | 1.9     | <b>81.1</b>        | 0.4     | 1.9     | <b>32.5</b>        | 1.6     | 1.4     |
|                          |                    | 29.1    | 9.0     |                    | 1.7     | 3.4     |                    | 23.5    | 14.3    |                    | 6.7     | 8.4     |                    | 10.3    | 2.6     |
| <b>6UNU32</b>            | <b>85.3</b>        | -1.5    | 0.2     | <b>9.5</b>         | -2.0    | 0.2     | <b>23.2</b>        | -3.1    | 0.0     | <b>66.2</b>        | -0.5    | 0.1     | <b>8.9</b>         | -2.0    | 0.0     |
|                          |                    | -48.9   | 1.1     |                    | -9.2    | 0.3     |                    | -121.2  | 0.2     |                    | -8.1    | 0.5     |                    | -13.2   | 0.0     |
| <b>2YQUN2</b>            | <b>156.3</b>       | 0.7     | 0.4     | <b>20.8</b>        | 0.4     | 0.7     | <b>171.2</b>       | 0.7     | 0.7     | <b>83.8</b>        | 0.6     | 0.2     | <b>24.1</b>        | 0.3     | 0.7     |
|                          |                    | 22.1    | 2.5     |                    | 2.0     | 0.8     |                    | 26.7    | 5.5     |                    | 9.5     | 0.8     |                    | 1.9     | 1.4     |
| <b>HX3QCL</b>            | <b>137.4</b>       | 0.1     | 1.0     | <b>18.6</b>        | 0.0     | 0.5     | <b>144.4</b>       | 0.0     | 0.6     | <b>85.0</b>        | 0.6     | 0.3     | <b>22.3</b>        | 0.0     | 0.2     |
|                          |                    | 3.2     | 5.5     |                    | -0.2    | 0.6     |                    | 0.0     | 4.3     |                    | 10.6    | 1.4     |                    | 0.2     | 0.5     |
| <b>GF8XQM</b>            | <b>50.3</b>        | -2.6    | 0.1     | <b>7.7</b>         | -2.5    | 0.5     | <b>56.3</b>        | -2.3    | 0.2     | <b>25.3</b>        | -2.9    | 0.1     | <b>6.7</b>         | -2.3    | 0.3     |
|                          |                    | -83.9   | 0.6     |                    | -11.1   | 0.6     |                    | -88.1   | 1.2     |                    | -49.0   | 0.6     |                    | -15.5   | 0.6     |
| <b>N6HFCF</b>            | <b>138.0</b>       | 0.1     | 1.4     | <b>16.3</b>        | -0.5    | 0.6     | <b>119.0</b>       | -0.7    | 1.2     | <b>65.3</b>        | -0.5    | 0.9     | <b>15.8</b>        | -1.0    | 0.6     |
|                          |                    | 3.8     | 7.8     |                    | -2.4    | 0.8     |                    | -25.4   | 9.0     |                    | -9.0    | 4.1     |                    | -6.4    | 1.2     |
| <b>Grand Median</b>      |                    | 134.2   |         | 18.8               |         |         | 144.4              |         |         | 74.3               |         |         | 22.1               |         |         |
| <b>Median Abs Dev</b>    |                    | 15.9    |         | 1.9                |         |         | 20.0               |         |         | 10.5               |         |         | 3.7                |         |         |
| <b>Avg Within Lab SD</b> |                    | 5.6     |         | 1.2                |         |         | 7.5                |         |         | 4.4                |         |         | 1.8                |         |         |
| <b>Labs Included</b>     |                    | 29      |         | 29                 |         |         | 29                 |         |         | 29                 |         |         | 29                 |         |         |
| <b>Labs Reporting</b>    |                    | 29      |         | 29                 |         |         | 29                 |         |         | 29                 |         |         | 29                 |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Fe (SubTestCode 167) | in the Mehlich-3 Multi-Element Property Groups |      |     |              |       |      |             |       |     |              |       |      |              |       |      | Data units: mg/kg |  |
|---------------------------------|--|------|-----|--------------|-------|------|-------------|-------|-----|--------------|-------|------|--------------|-------|------|-------------------|--|
|                                 | SRSSRS1606                                     |      |     | SRSSRS1607   |       |      | SRSSRS1608  |       |     | SRSSRS1609   |       |      | SRSSRS1610   |       |      |                   |  |
| <b>BYXYDC</b>                   | <b>29.2</b>                                    | 0.3  | 0.7 | <b>305.8</b> | 0.2   | 0.3  | <b>65.1</b> | 0.7   | 0.9 | <b>118.1</b> | 0.6   | 0.8  | <b>177.0</b> | 0.9   | 1.6  |                   |  |
|                                 |  | 2.1  | 1.5 |              | 16.4  | 4.7  |             | 10.8  | 3.1 |              | 15.1  | 5.9  |              | 28.2  | 15.1 |                   |  |
| <b>UJH8JT</b>                   | <b>23.8</b>                                    | -0.5 | 0.1 | <b>273.2</b> | -0.2  | 0.1  | <b>47.6</b> | -0.5  | 0.1 | <b>103.0</b> | 0.0   | 0.3  | <b>146.4</b> | -0.1  | 0.1  |                   |  |
|                                 |  | -3.4 | 0.2 |              | -16.2 | 1.0  |             | -6.7  | 0.2 |              | 0.0   | 2.4  |              | -2.4  | 0.6  |                   |  |
| <b>WPJ78M</b>                   | <b>46.0</b>                                    | 2.6  |     | <b>298.0</b> | 0.1   | 0.2  | <b>65.3</b> | 0.8   | 0.2 | <b>109.7</b> | 0.3   | 0.4  | <b>153.3</b> | 0.1   | 0.2  |                   |  |
|                                 |  | 18.8 | 0.0 |              | 8.6   | 2.6  |             | 11.1  | 0.6 |              | 6.6   | 2.9  |              | 4.5   | 2.3  |                   |  |
| <b>WP3AEN</b>                   | <b>27.3</b>                                    | 0.0  | 0.7 | <b>322.0</b> | 0.5   | 1.3  | <b>63.4</b> | 0.6   | 0.9 | <b>123.7</b> | 0.8   | 1.3  | <b>153.3</b> | 0.1   | 0.8  |                   |  |
|                                 |  | 0.1  | 1.6 |              | 32.6  | 18.5 |             | 9.1   | 3.2 |              | 20.7  | 10.2 |              | 4.4   | 7.2  |                   |  |
| <b>JMZPA2</b>                   | <b>24.9</b>                                    | -0.3 | 0.7 | <b>263.9</b> | -0.4  | 0.1  | <b>63.6</b> | 0.6   | 0.4 | <b>94.2</b>  | -0.3  | 0.3  | <b>129.2</b> | -0.7  | 0.1  |                   |  |
|                                 |  | -2.3 | 1.5 |              | -25.5 | 1.4  |             | 9.3   | 1.4 |              | -8.8  | 2.2  |              | -19.7 | 0.9  |                   |  |
| <b>YM93AG</b>                   | <b>18.7</b>                                    | -1.2 | 0.1 | <b>230.2</b> | -0.9  | 0.1  | <b>40.1</b> | -1.0  | 0.1 | <b>84.4</b>  | -0.7  | 0.0  | <b>141.4</b> | -0.2  | 0.1  |                   |  |
|                                 |  | -8.5 | 0.2 |              | -59.2 | 1.6  |             | -14.2 | 0.2 |              | -18.7 | 0.1  |              | -7.5  | 0.7  |                   |  |
| <b>JDB3EY</b>                   | <b>24.8</b>                                    | -0.3 | 0.7 | <b>278.1</b> | -0.2  | 1.0  | <b>53.6</b> | 0.0   | 0.1 | <b>93.1</b>  | -0.4  | 0.3  | <b>146.7</b> | -0.1  | 0.1  |                   |  |
|                                 |  | -2.4 | 1.6 |              | -11.3 | 15.1 |             | -0.7  | 0.4 |              | -9.9  | 2.3  |              | -2.2  | 1.0  |                   |  |
| <b>9P39J6</b>                   | <b>18.7</b>                                    | -1.2 | 0.1 | <b>230.4</b> | -0.8  | 0.1  | <b>40.5</b> | -1.0  | 0.3 | <b>84.6</b>  | -0.7  | 0.0  | <b>141.2</b> | -0.3  | 0.1  |                   |  |
|                                 |  | -8.5 | 0.2 |              | -59.0 | 0.8  |             | -13.8 | 0.9 |              | -18.4 | 0.3  |              | -7.6  | 1.2  |                   |  |
| <b>KJBZ3T</b>                   | <b>27.3</b>                                    | 0.0  | 1.1 | <b>330.3</b> | 0.6   | 1.1  | <b>56.0</b> | 0.1   | 0.8 | <b>111.0</b> | 0.3   | 0.9  | <b>158.3</b> | 0.3   | 0.4  |                   |  |
|                                 |  | 0.2  | 2.3 |              | 40.9  | 15.3 |             | 1.7   | 2.6 |              | 8.0   | 7.0  |              | 9.5   | 4.0  |                   |  |
| <b>3HG3JC</b>                   | <b>23.8</b>                                    | -0.5 |     | <b>250.1</b> | -0.6  |      | <b>43.1</b> | -0.8  |     | <b>66.2</b>  | -1.4  |      | <b>72.1</b>  | -2.5  |      |                   |  |
|                                 |  | -3.4 | 0.0 |              | -39.3 | 0.0  |             | -11.2 | 0.0 |              | -36.8 | 0.0  |              | -76.7 | 0.0  |                   |  |
| <b>VMZPEH</b>                   | <b>28.0</b>                                    | 0.1  | 0.8 | <b>352.2</b> | 0.9   | 1.0  | <b>54.1</b> | 0.0   | 2.7 | <b>123.0</b> | 0.8   | 3.8  | <b>178.5</b> | 1.0   | 3.6  |                   |  |
|                                 |  | 0.9  | 1.8 |              | 62.7  | 14.1 |             | -0.1  | 9.2 |              | 20.0  | 28.8 |              | 29.6  | 33.2 |                   |  |
| <b>E8KYJY</b>                   | <b>20.1</b>                                    | -1.0 | 0.9 | <b>263.7</b> | -0.4  | 0.2  | <b>42.6</b> | -0.8  | 0.9 | <b>83.8</b>  | -0.7  | 0.1  | <b>121.7</b> | -0.9  | 0.4  |                   |  |
|                                 |  | -7.0 | 2.0 |              | -25.7 | 2.9  |             | -11.6 | 3.2 |              | -19.2 | 0.7  |              | -27.2 | 3.5  |                   |  |
| <b>XV4JLF</b>                   | <b>23.9</b>                                    | -0.4 | 0.0 | <b>285.7</b> | -0.1  | 0.0  | <b>56.3</b> | 0.1   |     | <b>94.8</b>  | -0.3  | 0.0  | <b>134.5</b> | -0.5  | 0.0  |                   |  |
|                                 |  | -3.2 | 0.0 |              | -3.7  | 0.0  |             | 2.0   | 0.0 |              | -8.3  | 0.0  |              | -14.4 | 0.0  |                   |  |
| <b>T67A2M</b>                   | <b>42.8</b>                                    | 2.1  | 0.7 | <b>338.1</b> | 0.7   | 0.8  | <b>86.8</b> | 2.2   | 0.5 | <b>125.5</b> | 0.9   | 0.5  | <b>168.2</b> | 0.6   | 0.5  |                   |  |
|                                 |  | 15.7 | 1.5 |              | 48.7  | 11.6 |             | 32.5  | 1.7 |              | 22.5  | 3.8  |              | 19.3  | 5.0  |                   |  |
| <b>Q2DTBN</b>                   | <b>30.7</b>                                    | 0.5  | 0.1 | <b>240.0</b> | -0.7  | 0.1  | <b>62.3</b> | 0.6   | 0.2 | <b>123.7</b> | 0.8   | 0.2  | <b>177.7</b> | 1.0   | 0.2  |                   |  |
|                                 |  | 3.5  | 0.3 |              | -49.4 | 2.0  |             | 8.1   | 0.6 |              | 20.6  | 1.5  |              | 28.8  | 2.1  |                   |  |
| <b>WWZ2MH</b>                   | <b>29.1</b>                                    | 0.3  | 0.0 | <b>356.0</b> | 1.0   |      | <b>57.3</b> | 0.2   | 0.0 | <b>103.0</b> | 0.0   |      | <b>151.0</b> | 0.1   |      |                   |  |
|                                 |  | 1.9  | 0.1 |              | 66.6  | 0.0  |             | 3.1   | 0.0 |              | 0.0   | 0.0  |              | 2.2   | 0.0  |                   |  |
| <b>GC6ZFU</b>                   | <b>27.8</b>                                    | 0.1  | 0.4 | <b>287.0</b> | 0.0   | 0.5  | <b>51.3</b> | -0.2  | 0.8 | <b>115.0</b> | 0.5   | 0.2  | <b>142.0</b> | -0.2  | 0.7  |                   |  |
|                                 |  | 0.6  | 1.0 |              | -2.4  | 7.8  |             | -3.0  | 2.6 |              | 12.0  | 1.5  |              | -6.8  | 6.3  |                   |  |
| <b>2RDHVB</b>                   | <b>35.0</b>                                    | 1.1  | 4.1 | <b>400.7</b> | 1.6   | 1.3  | <b>58.3</b> | 0.3   | 2.2 | <b>139.0</b> | 1.4   | 2.1  | <b>155.3</b> | 0.2   | 1.4  |                   |  |
|                                 |  | 7.8  | 8.9 |              | 111.3 | 18.2 |             | 4.1   | 7.5 |              | 36.0  | 16.1 |              | 6.5   | 12.9 |                   |  |
| <b>BX698W</b>                   | <b>30.0</b>                                    | 0.4  | 0.2 | <b>328.3</b> | 0.6   | 0.4  | <b>59.1</b> | 0.3   | 0.3 | <b>116.1</b> | 0.5   | 0.2  | <b>161.9</b> | 0.4   | 0.2  |                   |  |
|                                 |  | 2.9  | 0.5 |              | 38.9  | 5.6  |             | 4.9   | 1.1 |              | 13.1  | 1.4  |              | 13.0  | 1.9  |                   |  |
| <b>7KWVN2</b>                   | <b>29.2</b>                                    | 0.3  | 1.5 | <b>366.0</b> | 1.1   | 1.7  | <b>58.5</b> | 0.3   | 1.9 | <b>94.4</b>  | -0.3  | 1.1  | <b>133.3</b> | -0.5  | 1.3  |                   |  |
|                                 |  | 2.0  | 3.3 |              | 76.6  | 24.0 |             | 4.3   | 6.4 |              | -8.6  | 8.5  |              | -15.6 | 12.5 |                   |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|-------------|------------|---------|--------------|------------|---------|-------------|------------|---------|--------------|------------|---------|--------------|------------|---------|
|                          |             | Difference | W/L STD |              | Difference | W/L STD |             | Difference | W/L STD |              | Difference | W/L STD |              | Difference | W/L STD |
| <b>9WKG82</b>            | <b>34.5</b> | 1.0        | 1.2     | <b>354.9</b> | 0.9        | 3.2     | <b>56.0</b> | 0.1        | 1.6     | <b>128.4</b> | 1.0        | 1.2     | <b>154.3</b> | 0.2        | 1.8     |
|                          |             | 7.3        | 2.6     |              | 65.5       | 45.5    |             | 1.8        | 5.3     |              | 25.4       | 8.8     |              | 5.5        | 16.7    |
| <b>MAXQQK</b>            | <b>24.0</b> | -0.4       | 0.5     | <b>225.0</b> | -0.9       | 0.3     | <b>39.7</b> | -1.0       | 1.0     | <b>75.0</b>  | -1.1       | 0.2     | <b>99.0</b>  | -1.6       | 0.6     |
|                          |             | -3.2       | 1.0     |              | -64.4      | 4.6     |             | -14.6      | 3.5     |              | -28.0      | 1.7     |              | -49.9      | 5.6     |
| <b>MZTJBK</b>            | <b>24.4</b> | -0.4       | 0.9     | <b>291.8</b> | 0.0        | 2.4     | <b>50.2</b> | -0.3       | 1.6     | <b>90.8</b>  | -0.5       | 1.2     | <b>161.4</b> | 0.4        | 1.4     |
|                          |             | -2.8       | 1.9     |              | 2.4        | 34.3    |             | -4.1       | 5.4     |              | -12.3      | 8.8     |              | 12.6       | 13.1    |
| <b>6UNU32</b>            | <b>14.6</b> | -1.7       | 0.1     | <b>167.2</b> | -1.8       | 0.2     | <b>9.3</b>  | -3.1       | 0.0     | <b>96.5</b>  | -0.3       | 0.1     | <b>123.7</b> | -0.8       | 0.0     |
|                          |             | -12.6      | 0.3     |              | -122.2     | 3.3     |             | -45.0      | 0.2     |              | -6.5       | 0.9     |              | -25.1      | 0.3     |
| <b>2YQUN2</b>            | <b>24.9</b> | -0.3       | 0.3     | <b>374.4</b> | 1.2        | 0.5     | <b>54.4</b> | 0.0        | 0.5     | <b>122.4</b> | 0.8        | 0.7     | <b>159.6</b> | 0.4        | 0.8     |
|                          |             | -2.3       | 0.7     |              | 84.9       | 6.8     |             | 0.1        | 1.8     |              | 19.4       | 4.9     |              | 10.7       | 7.8     |
| <b>HX3QCL</b>            | <b>27.0</b> | 0.0        | 0.1     | <b>308.4</b> | 0.3        | 0.1     | <b>50.9</b> | -0.2       | 0.2     | <b>112.3</b> | 0.4        | 0.1     | <b>155.5</b> | 0.2        | 0.4     |
|                          |             | -0.1       | 0.2     |              | 19.0       | 1.8     |             | -3.4       | 0.8     |              | 9.3        | 0.8     |              | 6.7        | 3.9     |
| <b>GF8XQM</b>            | <b>12.7</b> | -2.0       | 0.3     | <b>143.0</b> | -2.1       |         | <b>20.7</b> | -2.3       | 0.2     | <b>37.7</b>  | -2.5       | 0.1     | <b>50.7</b>  | -3.2       | 0.1     |
|                          |             | -14.5      | 0.6     |              | -146.4     | 0.0     |             | -33.6      | 0.6     |              | -65.4      | 0.6     |              | -98.2      | 0.6     |
| <b>N6HFCF</b>            | <b>27.3</b> | 0.0        | 0.6     | <b>276.3</b> | -0.2       | 1.2     | <b>45.4</b> | -0.6       | 1.0     | <b>87.5</b>  | -0.6       | 0.6     | <b>112.7</b> | -1.2       | 0.7     |
|                          |             | 0.2        | 1.3     |              | -13.1      | 17.2    |             | -8.9       | 3.5     |              | -15.5      | 4.7     |              | -36.2      | 6.7     |
| <b>Grand Median</b>      |             | 27.2       |         |              | 289.4      |         |             | 54.3       |         |              | 103.0      |         |              | 148.9      |         |
| <b>Median Abs Dev</b>    |             | 3.0        |         |              | 40.1       |         |             | 7.4        |         |              | 15.3       |         |              | 12.8       |         |
| <b>Avg Within Lab SD</b> |             | 2.1        |         |              | 14.4       |         |             | 3.4        |         |              | 7.6        |         |              | 9.3        |         |
| <b>Labs Included</b>     |             | 28         |         |              | 28         |         |             | 28         |         |              | 28         |         |              | 28         |         |
| <b>Labs Reporting</b>    |             | 28         |         |              | 28         |         |             | 28         |         |              | 28         |         |              | 28         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, Cu (SubTestCode 168) |             |       | in the Mehlich-3 Multi-Element Property Groups |             |       |            |             |       |            |             |       |            |             |       | Data units: mg/kg |  |  |
|---------------------------------|-------------|-------|--|-------------|-------|------------|-------------|-------|------------|-------------|-------|------------|-------------|-------|-------------------|--|--|
| SRSSRS1606                      |             |       | SRSSRS1607                                     |             |       | SRSSRS1608 |             |       | SRSSRS1609 |             |       | SRSSRS1610 |             |       |                   |  |  |
| <b>BYXYDC</b>                   | <b>1.59</b> | -0.28 | 0.56   | <b>0.80</b> | -0.18 | 0.36       | <b>2.72</b> | 0.37  | 0.77       | <b>0.95</b> | -0.05 | 0.76       | <b>2.87</b> | 0.49  | 0.59              |  |  |
|                                 |             | -0.07 | 0.05   |             | -0.05 | 0.02       |             | 0.16  | 0.07       |             | -0.01 | 0.06       |             | 0.22  | 0.06              |  |  |
| <b>UJH8JT</b>                   | <b>1.77</b> | 0.41  | 0.58   | <b>1.23</b> | 1.28  | 0.27       | <b>2.74</b> | 0.40  | 0.28       | <b>1.11</b> | 0.78  | 0.42       | <b>2.90</b> | 0.55  | 0.83              |  |  |
|                                 |             | 0.11  | 0.05   |             | 0.38  | 0.02       |             | 0.18  | 0.03       |             | 0.15  | 0.03       |             | 0.25  | 0.08              |  |  |
| <b>WPJ78M</b>                   | <b>2.00</b> | 1.29  |  | <b>0.93</b> | 0.28  | 1.00       | <b>2.87</b> | 0.70  | 0.63       | <b>1.00</b> | 0.19  |            | <b>3.10</b> | 0.99  | 1.06              |  |  |
|                                 |             | 0.33  | 0.00   |             | 0.08  | 0.06       |             | 0.31  | 0.06       |             | 0.04  | 0.00       |             | 0.45  | 0.10              |  |  |
| <b>PDR4NU</b>                   | <b>2.00</b> | 1.29  |  | <b>1.00</b> | 0.51  |            | <b>3.00</b> | 1.01  |            | <b>1.00</b> | 0.19  |            | <b>3.00</b> | 0.77  |                   |  |  |
|                                 |             | 0.33  | 0.00   |             | 0.15  | 0.00       |             | 0.44  | 0.00       |             | 0.04  | 0.00       |             | 0.35  | 0.00              |  |  |
| <b>WP3AEN</b>                   | <b>1.57</b> | -0.39 | 1.42   | <b>0.95</b> | 0.35  | 1.65       | <b>2.57</b> | 0.03  | 1.48       | <b>1.11</b> | 0.75  | 0.56       | <b>2.40</b> | -0.54 | 1.06              |  |  |
|                                 |             | -0.10 | 0.12   |             | 0.10  | 0.10       |             | 0.01  | 0.14       |             | 0.14  | 0.04       |             | -0.25 | 0.10              |  |  |
| <b>JMZPA2</b>                   | <b>1.60</b> | -0.26 | 1.21   | <b>0.89</b> | 0.15  | 0.50       | <b>2.71</b> | 0.34  | 0.19       | <b>0.84</b> | -0.65 | 0.86       | <b>2.37</b> | -0.60 | 0.44              |  |  |
|                                 |             | -0.07 | 0.10   |             | 0.04  | 0.03       |             | 0.15  | 0.02       |             | -0.12 | 0.06       |             | -0.27 | 0.04              |  |  |
| <b>YM93AG</b>                   | <b>1.47</b> | -0.77 | 0.26   | <b>0.85</b> | 0.00  | 0.17       | <b>2.40</b> | -0.37 | 0.17       | <b>0.81</b> | -0.78 | 0.21       | <b>2.72</b> | 0.15  | 0.16              |  |  |
|                                 |             | -0.20 | 0.02   |             | 0.00  | 0.01       |             | -0.16 | 0.02       |             | -0.15 | 0.02       |             | 0.07  | 0.02              |  |  |
| <b>JDB3EY</b>                   | <b>1.62</b> | -0.18 | 1.39   | <b>0.85</b> | 0.01  | 0.82       | <b>2.78</b> | 0.50  | 1.15       | <b>0.91</b> | -0.26 | 0.71       | <b>2.65</b> | 0.00  | 0.93              |  |  |
|                                 |             | -0.05 | 0.11   |             | 0.00  | 0.05       |             | 0.22  | 0.11       |             | -0.05 | 0.05       |             | 0.00  | 0.09              |  |  |
| <b>9P39J6</b>                   | <b>1.48</b> | -0.72 | 0.33   | <b>0.83</b> | -0.07 | 0.13       | <b>2.36</b> | -0.47 | 1.10       | <b>0.83</b> | -0.70 | 0.14       | <b>2.77</b> | 0.27  | 0.28              |  |  |
|                                 |             | -0.19 | 0.03   |             | -0.02 | 0.01       |             | -0.20 | 0.10       |             | -0.13 | 0.01       |             | 0.12  | 0.03              |  |  |
| <b>KJBZ3T</b>                   | <b>2.00</b> | 1.29  |  | <b>1.00</b> | 0.51  |            | <b>3.00</b> | 1.01  |            | <b>1.00</b> | 0.19  |            | <b>3.00</b> | 0.77  |                   |  |  |
|                                 |             | 0.33  | 0.00   |             | 0.15  | 0.00       |             | 0.44  | 0.00       |             | 0.04  | 0.00       |             | 0.35  | 0.00              |  |  |
| <b>3HG3JC</b>                   | <b>1.40</b> | -1.03 |  | <b>0.82</b> | -0.10 |            | <b>1.83</b> | -1.67 |            | <b>0.76</b> | -1.06 |            | <b>1.38</b> | -2.77 |                   |  |  |
|                                 |             | -0.27 | 0.00   |             | -0.03 | 0.00       |             | -0.73 | 0.00       |             | -0.20 | 0.00       |             | -1.27 | 0.00              |  |  |
| <b>VMZPEH</b>                   | <b>1.98</b> | 1.22  | 3.09   | <b>1.03</b> | 0.62  | 1.58       | <b>3.06</b> | 1.15  | 3.65       | <b>1.24</b> | 1.43  | 2.38       | <b>3.19</b> | 1.18  | 2.96              |  |  |
|                                 |             | 0.32  | 0.25   |             | 0.18  | 0.09       |             | 0.50  | 0.33       |             | 0.27  | 0.17       |             | 0.54  | 0.28              |  |  |
| <b>E8KYJY</b>                   | <b>1.58</b> | -0.33 | 0.65   | <b>1.26</b> | 1.40  | 1.18       | <b>2.00</b> | -1.29 | 0.64       | <b>1.05</b> | 0.44  | 1.65       | <b>2.48</b> | -0.36 | 0.75              |  |  |
|                                 |             | -0.09 | 0.05   |             | 0.41  | 0.07       |             | -0.56 | 0.06       |             | 0.08  | 0.12       |             | -0.16 | 0.07              |  |  |
| <b>XV4JLF</b>                   | <b>1.78</b> | 0.44  | 0.00   | <b>1.15</b> | 1.02  | 0.00       | <b>2.45</b> | -0.25 | 0.00       | <b>1.10</b> | 0.72  | 0.00       | <b>2.62</b> | -0.06 | 0.00              |  |  |
|                                 |             | 0.11  | 0.00   |             | 0.30  | 0.00       |             | -0.11 | 0.00       |             | 0.14  | 0.00       |             | -0.03 | 0.00              |  |  |
| <b>T67A2M</b>                   | <b>1.90</b> | 0.90  | 0.00   | <b>1.10</b> | 0.85  | 1.39       | <b>2.49</b> | -0.15 | 0.28       | <b>1.06</b> | 0.51  | 0.69       | <b>2.90</b> | 0.55  | 0.06              |  |  |
|                                 |             | 0.23  | 0.00   |             | 0.25  | 0.08       |             | -0.07 | 0.03       |             | 0.10  | 0.05       |             | 0.25  | 0.01              |  |  |
| <b>Q2DTBN</b>                   | <b>1.67</b> | 0.00  | 1.42   | <b>0.84</b> | -0.05 | 0.40       | <b>2.27</b> | -0.67 | 0.63       | <b>1.02</b> | 0.30  | 0.97       | <b>2.73</b> | 0.19  | 0.61              |  |  |
|                                 |             | 0.00  | 0.12   |             | -0.01 | 0.02       |             | -0.29 | 0.06       |             | 0.06  | 0.07       |             | 0.09  | 0.06              |  |  |
| <b>WWZ2MH</b>                   | <b>1.62</b> | -0.18 | 0.01   | <b>0.86</b> | 0.02  | 0.00       | <b>2.72</b> | 0.36  | 0.00       | <b>0.97</b> | 0.05  | 0.00       | <b>2.71</b> | 0.14  | 0.00              |  |  |
|                                 |             | -0.05 | 0.00   |             | 0.01  | 0.00       |             | 0.16  | 0.00       |             | 0.01  | 0.00       |             | 0.06  | 0.00              |  |  |
| <b>GC6ZFU</b>                   | <b>1.53</b> | -0.54 | 0.40   | <b>0.63</b> | -0.73 | 0.86       | <b>2.47</b> | -0.21 | 0.29       | <b>0.94</b> | -0.10 | 0.21       | <b>2.67</b> | 0.05  | 0.21              |  |  |
|                                 |             | -0.14 | 0.03   |             | -0.22 | 0.05       |             | -0.09 | 0.03       |             | -0.02 | 0.02       |             | 0.02  | 0.02              |  |  |
| <b>2RDHVB</b>                   | <b>1.36</b> | -1.20 | 1.76   | <b>0.19</b> | -2.22 | 2.41       | <b>1.86</b> | -1.61 | 0.44       | <b>0.90</b> | -0.31 | 0.71       | <b>1.94</b> | -1.55 | 1.54              |  |  |
|                                 |             | -0.31 | 0.14   |             | -0.66 | 0.14       |             | -0.70 | 0.04       |             | -0.06 | 0.05       |             | -0.71 | 0.14              |  |  |
| <b>YNEK8D</b>                   | <b>1.62</b> | -0.17 | 0.35   | <b>0.51</b> | -1.15 | 0.32       | <b>2.65</b> | 0.21  | 0.25       | <b>0.47</b> | -2.56 | 0.39       | <b>2.14</b> | -1.11 | 0.36              |  |  |
|                                 |             | -0.04 | 0.03   |             | -0.34 | 0.02       |             | 0.09  | 0.02       |             | -0.49 | 0.03       |             | -0.51 | 0.03              |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>BX698W</b>            | <b>2.11</b>        | 1.71    | 1.16    | <b>1.09</b>        | 0.81    | 0.73    | <b>3.17</b>        | 1.39    | 0.84    | <b>1.21</b>        | 1.30    | 0.51    | <b>3.05</b>        | 0.89    | 1.30    |
|                          |                    | 0.44    | 0.09    |                    | 0.24    | 0.04    |                    | 0.61    | 0.08    |                    | 0.25    | 0.04    |                    | 0.41    | 0.12    |
| <b>7KWVN2</b>            | <b>1.74</b>        | 0.30    | 0.47    | <b>1.18</b>        | 1.11    | 0.96    | <b>2.56</b>        | 0.00    | 0.33    | <b>1.33</b>        | 1.92    | 2.03    | <b>2.37</b>        | -0.61   | 0.22    |
|                          |                    | 0.08    | 0.04    |                    | 0.33    | 0.06    |                    | 0.00    | 0.03    |                    | 0.37    | 0.15    |                    | -0.28   | 0.02    |
| <b>9WKG82</b>            | <b>1.93</b>        | 1.03    | 0.71    | <b>0.50</b>        | -1.19   | 1.74    | <b>2.67</b>        | 0.24    | 0.63    | <b>0.97</b>        | 0.02    | 2.11    | <b>2.83</b>        | 0.41    | 2.22    |
|                          |                    | 0.27    | 0.06    |                    | -0.35   | 0.10    |                    | 0.11    | 0.06    |                    | 0.00    | 0.15    |                    | 0.19    | 0.21    |
| <b>MAXQQK</b>            | <b>1.87</b>        | 0.80    | 0.72    | <b>0.82</b>        | -0.09   | 1.72    | <b>2.37</b>        | -0.44   | 0.81    | <b>0.80</b>        | -0.84   | 0.76    | <b>2.05</b>        | -1.30   | 0.61    |
|                          |                    | 0.21    | 0.06    |                    | -0.03   | 0.10    |                    | -0.19   | 0.07    |                    | -0.16   | 0.06    |                    | -0.59   | 0.06    |
| <b>MZTJBK</b>            | <b>2.01</b>        | 1.33    | 1.75    | <b>1.47</b>        | 2.11    | 1.23    | <b>2.74</b>        | 0.40    | 1.88    | <b>1.34</b>        | 1.95    | 2.32    | <b>3.13</b>        | 1.06    | 1.83    |
|                          |                    | 0.34    | 0.14    |                    | 0.62    | 0.07    |                    | 0.18    | 0.17    |                    | 0.37    | 0.17    |                    | 0.49    | 0.17    |
| <b>6UNU32</b>            | <b>1.50</b>        | -0.63   | 0.21    | <b>0.30</b>        | -1.86   | 0.08    | <b>1.13</b>        | -3.28   | 0.11    | <b>0.90</b>        | -0.34   | 0.08    | <b>2.37</b>        | -0.60   | 0.05    |
|                          |                    | -0.16   | 0.02    |                    | -0.55   | 0.00    |                    | -1.43   | 0.01    |                    | -0.06   | 0.01    |                    | -0.27   | 0.00    |
| <b>2YQUN2</b>            | <b>1.77</b>        | 0.39    | 0.60    | <b>0.77</b>        | -0.28   | 0.14    | <b>2.87</b>        | 0.71    | 0.80    | <b>0.83</b>        | -0.68   | 0.21    | <b>2.39</b>        | -0.57   | 0.10    |
|                          |                    | 0.10    | 0.05    |                    | -0.08   | 0.01    |                    | 0.31    | 0.07    |                    | -0.13   | 0.02    |                    | -0.26   | 0.01    |
| <b>HX3QCL</b>            | <b>1.68</b>        | 0.05    | 0.43    | <b>0.70</b>        | -0.51   | 1.09    | <b>2.50</b>        | -0.15   | 0.79    | <b>0.96</b>        | 0.00    | 0.52    | <b>2.65</b>        | 0.00    | 0.64    |
|                          |                    | 0.01    | 0.03    |                    | -0.15   | 0.06    |                    | -0.06   | 0.07    |                    | 0.00    | 0.04    |                    | 0.00    | 0.06    |
| <b>GF8XQM</b>            | <b>0.63</b>        | -3.99   | 0.71    | <b>0.43</b>        | -1.41   | 1.00    | <b>0.93</b>        | -3.73   | 0.63    | <b>0.33</b>        | -3.30   | 0.80    | <b>0.97</b>        | -3.68   | 0.61    |
|                          |                    | -1.03   | 0.06    |                    | -0.42   | 0.06    |                    | -1.63   | 0.06    |                    | -0.63   | 0.06    |                    | -1.68   | 0.06    |
| <b>N6HFCF</b>            | <b>1.78</b>        | 0.45    | 1.06    | <b>0.82</b>        | -0.11   | 1.13    | <b>2.50</b>        | -0.14   | 1.37    | <b>0.87</b>        | -0.49   | 1.02    | <b>2.18</b>        | -1.02   | 1.23    |
|                          |                    | 0.12    | 0.09    |                    | -0.03   | 0.06    |                    | -0.06   | 0.12    |                    | -0.09   | 0.07    |                    | -0.47   | 0.12    |
| <b>Grand Median</b>      |                    | 1.67    |         | 0.85               |         |         | 2.56               |         |         | 0.96               |         |         | 2.65               |         |         |
| <b>Median Abs Dev</b>    |                    | 0.14    |         | 0.15               |         |         | 0.18               |         |         | 0.10               |         |         | 0.26               |         |         |
| <b>Avg Within Lab SD</b> |                    | 0.08    |         | 0.06               |         |         | 0.09               |         |         | 0.07               |         |         | 0.09               |         |         |
| <b>Labs Included</b>     |                    | 29      |         | 29                 |         |         | 29                 |         |         | 29                 |         |         | 29                 |         |         |
| <b>Labs Reporting</b>    |                    | 29      |         | 29                 |         |         | 29                 |         |         | 29                 |         |         | 29                 |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mehlich-3, B (SubTestCode 169) |             |       | in the Mehlich-3 Multi-Element Property Groups |             |       |            |             |       |            |             |       | Data units: mg/kg |             |       |      |
|--------------------------------|-------------|-------|--|-------------|-------|------------|-------------|-------|------------|-------------|-------|-------------------|-------------|-------|------|
| SRSSRS1606                     |             |       | SRSSRS1607                                     |             |       | SRSSRS1608 |             |       | SRSSRS1609 |             |       | SRSSRS1610        |             |       |      |
| <b>BYXYDC</b>                  | <b>1.27</b> | 0.17  | 1.45   | <b>0.25</b> | -0.25 | 0.17       | <b>3.45</b> | 0.03  | 0.70       | <b>0.17</b> | -0.50 | 0.38              | <b>0.26</b> | -0.38 | 0.23 |
|                                |             | 0.04  | 0.07   |             | -0.07 | 0.01       |             | 0.03  | 0.09       |             | -0.07 | 0.02              |             | -0.08 | 0.01 |
| <b>UJH8JT</b>                  | <b>1.04</b> | -0.87 | 0.16   | <b>0.44</b> | 0.38  | 0.07       | <b>0.15</b> | -3.03 | 0.00       | <b>0.15</b> | -0.70 | 0.01              | <b>0.29</b> | -0.21 | 0.10 |
|                                |             | -0.19 | 0.01   |             | 0.11  | 0.00       |             | -3.28 | 0.00       |             | -0.10 | 0.00              |             | -0.04 | 0.00 |
| <b>WPJ78M</b>                  | <b>1.87</b> | 2.92  | 1.19   | <b>1.30</b> | 3.32  | 3.43       | <b>3.83</b> | 0.38  | 1.25       | <b>0.93</b> | 5.05  | 2.91              | <b>0.97</b> | 3.24  | 1.33 |
|                                |             | 0.64  | 0.06   |             | 0.98  | 0.20       |             | 0.41  | 0.15       |             | 0.69  | 0.12              |             | 0.63  | 0.06 |
| <b>WP3AEN</b>                  | <b>0.98</b> | -1.16 | 0.63   | <b>0.48</b> | 0.52  | 0.55       | <b>2.27</b> | -1.06 | 1.27       | <b>0.36</b> | 0.89  | 0.81              | <b>0.43</b> | 0.50  | 1.41 |
|                                |             | -0.25 | 0.03   |             | 0.15  | 0.03       |             | -1.15 | 0.16       |             | 0.12  | 0.03              |             | 0.10  | 0.06 |
| <b>JMZPA2</b>                  | <b>1.22</b> | -0.06 | 0.97   | <b>0.28</b> | -0.16 | 0.20       | <b>3.19</b> | -0.22 | 2.12       | <b>0.22</b> | -0.18 | 0.63              | <b>0.31</b> | -0.15 | 0.58 |
|                                |             | -0.01 | 0.05   |             | -0.05 | 0.01       |             | -0.24 | 0.26       |             | -0.03 | 0.03              |             | -0.03 | 0.03 |
| <b>YM93AG</b>                  | <b>1.21</b> | -0.08 | 0.66   | <b>0.32</b> | -0.02 | 0.26       | <b>3.54</b> | 0.11  | 0.31       | <b>0.24</b> | -0.01 | 0.25              | <b>0.46</b> | 0.62  | 0.35 |
|                                |             | -0.02 | 0.03   |             | -0.01 | 0.02       |             | 0.12  | 0.04       |             | 0.00  | 0.01              |             | 0.12  | 0.02 |
| <b>JDB3EY</b>                  | <b>0.91</b> | -1.47 | 0.41   | <b>0.50</b> | 0.61  | 0.20       | <b>2.59</b> | -0.77 | 0.65       | <b>0.24</b> | 0.01  | 0.38              | <b>0.39</b> | 0.27  | 0.27 |
|                                |             | -0.32 | 0.02   |             | 0.18  | 0.01       |             | -0.83 | 0.08       |             | 0.00  | 0.02              |             | 0.05  | 0.01 |
| <b>9P39J6</b>                  | <b>1.24</b> | 0.03  | 1.55   | <b>0.32</b> | 0.00  | 0.26       | <b>3.58</b> | 0.15  | 0.87       | <b>0.25</b> | 0.06  | 0.25              | <b>0.45</b> | 0.61  | 0.58 |
|                                |             | 0.01  | 0.08   |             | 0.00  | 0.02       |             | 0.16  | 0.11       |             | 0.01  | 0.01              |             | 0.12  | 0.03 |
| <b>KJBZ3T</b>                  | <b>1.23</b> | 0.02  | 1.19   |             |       |            | <b>3.67</b> | 0.23  | 1.25       | <b>0.10</b> | -1.03 |                   | <b>0.10</b> | -1.21 | 0.00 |
|                                |             | 0.00  | 0.06   |             |       |            |             | 0.25  | 0.15       |             | -0.14 | 0.00              |             | -0.24 | 0.00 |
| <b>3HG3JC</b>                  | <b>1.25</b> | 0.09  |  | <b>0.41</b> | 0.29  |            | <b>2.70</b> | -0.67 |            | <b>0.35</b> | 0.79  |                   | <b>0.36</b> | 0.13  |      |
|                                |             | 0.02  | 0.00   |             | 0.09  | 0.00       |             | -0.72 | 0.00       |             | 0.11  | 0.00              |             | 0.03  | 0.00 |
| <b>VMZPEH</b>                  | <b>1.26</b> | 0.12  | 0.86   | <b>0.30</b> | -0.07 | 0.55       | <b>3.94</b> | 0.48  | 0.22       | <b>0.26</b> | 0.13  | 1.26              | <b>0.41</b> | 0.37  | 0.81 |
|                                |             | 0.03  | 0.04   |             | -0.02 | 0.03       |             | 0.52  | 0.03       |             | 0.02  | 0.05              |             | 0.07  | 0.04 |
| <b>E8KYJY</b>                  | <b>1.23</b> | 0.00  | 1.69   | <b>0.31</b> | -0.03 | 1.76       | <b>3.39</b> | -0.03 | 0.65       | <b>0.16</b> | -0.60 | 1.31              | <b>0.22</b> | -0.61 | 3.15 |
|                                |             | 0.00  | 0.08   |             | -0.01 | 0.10       |             | -0.03 | 0.08       |             | -0.08 | 0.05              |             | -0.12 | 0.14 |
| <b>XV4JLF</b>                  | <b>1.33</b> | 0.46  | 0.00   | <b>0.21</b> | -0.38 | 0.00       | <b>3.50</b> | 0.07  |            | <b>0.16</b> | -0.60 | 0.00              | <b>0.31</b> | -0.13 | 0.00 |
|                                |             | 0.10  | 0.00   |             | -0.11 | 0.00       |             | 0.08  | 0.00       |             | -0.08 | 0.00              |             | -0.03 | 0.00 |
| <b>T67A2M</b>                  | <b>1.16</b> | -0.32 | 1.28   | <b>0.52</b> | 0.68  | 1.29       | <b>2.06</b> | -1.26 | 0.37       | <b>0.37</b> | 0.91  | 1.89              | <b>0.31</b> | -0.15 | 1.50 |
|                                |             | -0.07 | 0.06   |             | 0.20  | 0.08       |             | -1.37 | 0.05       |             | 0.13  | 0.08              |             | -0.03 | 0.07 |
| <b>WWZ2MH</b>                  | <b>1.07</b> | -0.71 | 0.08   | <b>0.72</b> | 1.34  | 0.00       | <b>3.37</b> | -0.05 | 0.00       | <b>0.32</b> | 0.59  | 0.00              | <b>0.52</b> | 0.93  | 0.00 |
|                                |             | -0.16 | 0.00   |             | 0.39  | 0.00       |             | -0.05 | 0.00       |             | 0.08  | 0.00              |             | 0.18  | 0.00 |
| <b>GC6ZFU</b>                  | <b>1.26</b> | 0.15  | 0.66   | <b>0.28</b> | -0.16 | 1.05       | <b>3.65</b> | 0.21  | 0.61       | <b>0.21</b> | -0.23 | 0.50              | <b>0.27</b> | -0.32 | 0.67 |
|                                |             | 0.03  | 0.03   |             | -0.05 | 0.06       |             | 0.23  | 0.08       |             | -0.03 | 0.02              |             | -0.06 | 0.03 |
| <b>2RDHVB</b>                  | <b>0.83</b> | -1.84 | 1.49   | <b>0.30</b> | -0.08 | 0.17       | <b>2.67</b> | -0.69 | 0.74       | <b>0.21</b> | -0.23 | 1.15              | <b>0.13</b> | -1.05 | 0.23 |
|                                |             | -0.40 | 0.07   |             | -0.02 | 0.01       |             | -0.75 | 0.09       |             | -0.03 | 0.05              |             | -0.21 | 0.01 |
| <b>BX698W</b>                  | <b>1.59</b> | 1.65  | 0.65   | <b>0.20</b> | -0.43 | 0.19       | <b>4.28</b> | 0.79  | 0.44       | <b>0.13</b> | -0.83 | 0.19              | <b>0.29</b> | -0.24 | 0.28 |
|                                |             | 0.36  | 0.03   |             | -0.13 | 0.01       |             | 0.85  | 0.05       |             | -0.11 | 0.01              |             | -0.05 | 0.01 |
| <b>7KWVN2</b>                  | <b>1.16</b> | -0.31 | 0.48   | <b>0.38</b> | 0.20  | 1.24       | <b>2.67</b> | -0.70 | 1.63       | <b>0.18</b> | -0.47 | 0.88              | <b>0.30</b> | -0.16 | 1.50 |
|                                |             | -0.07 | 0.02   |             | 0.06  | 0.07       |             | -0.75 | 0.20       |             | -0.07 | 0.04              |             | -0.03 | 0.07 |
| <b>9WKG82</b>                  | <b>1.53</b> | 1.39  | 1.60   | <b>0.21</b> | -0.37 | 0.94       | <b>3.82</b> | 0.37  | 1.81       | <b>0.16</b> | -0.57 | 1.29              | <b>0.30</b> | -0.18 | 1.67 |
|                                |             | 0.30  | 0.08   |             | -0.11 | 0.06       |             | 0.40  | 0.22       |             | -0.08 | 0.05              |             | -0.04 | 0.07 |





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|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>6UNU32</b>            | <b>1.05</b>        | -0.83   | 0.05    | <b>0.57</b>        | 0.84    | 0.27    | <b>1.69</b>        | -1.60   | 0.12    | <b>0.39</b>        | 1.09    | 0.55    | <b>0.49</b>        | 0.80    | 0.15    |
|                          |                    | -0.18   | 0.00    |                    | 0.25    | 0.02    |                    | -1.73   | 0.01    |                    | 0.15    | 0.02    |                    | 0.16    | 0.01    |
| <b>HX3QCL</b>            | <b>1.34</b>        | 0.49    | 1.02    | <b>0.32</b>        | 0.00    | 0.36    | <b>3.75</b>        | 0.30    | 0.24    | <b>0.25</b>        | 0.04    | 0.38    | <b>0.37</b>        | 0.20    | 0.27    |
|                          |                    | 0.11    | 0.05    |                    | 0.00    | 0.02    |                    | 0.33    | 0.03    |                    | 0.01    | 0.02    |                    | 0.04    | 0.01    |
| <b>GF8XQM</b>            | <b>1.00</b>        | -1.06   |         | <b>1.57</b>        | 4.22    | 0.99    | <b>0.87</b>        | -2.37   | 0.47    | <b>0.27</b>        | 0.18    | 1.45    | <b>1.00</b>        | 3.41    |         |
|                          |                    | -0.23   | 0.00    |                    | 1.24    | 0.06    |                    | -2.56   | 0.06    |                    | 0.03    | 0.06    |                    | 0.67    | 0.00    |
| <b>N6HFCF</b>            | <b>1.23</b>        | 0.00    | 1.61    | <b>0.66</b>        | 1.15    | 0.94    | <b>4.09</b>        | 0.62    | 2.25    | <b>0.31</b>        | 0.48    | 0.75    | <b>0.40</b>        | 0.33    | 0.88    |
|                          |                    | 0.00    | 0.08    |                    | 0.34    | 0.06    |                    | 0.67    | 0.28    |                    | 0.07    | 0.03    |                    | 0.06    | 0.04    |
| <b>Grand Median</b>      |                    | 1.23    |         |                    | 0.32    |         |                    | 3.42    |         |                    | 0.24    |         |                    | 0.34    |         |
| <b>Median Abs Dev</b>    |                    | 0.08    |         |                    | 0.11    |         |                    | 0.47    |         |                    | 0.07    |         |                    | 0.07    |         |
| <b>Avg Within Lab SD</b> |                    | 0.05    |         |                    | 0.06    |         |                    | 0.12    |         |                    | 0.04    |         |                    | 0.04    |         |
| <b>Labs Included</b>     |                    | 24      |         |                    | 23      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |
| <b>Labs Reporting</b>    |                    | 24      |         |                    | 23      |         |                    | 24      |         |                    | 24      |         |                    | 24      |         |



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| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Zn - DTPA (SubTestCode 170) | in the Micronutrients Property Groups |       |      |            |       |      |            |       |      |            |       |      |            |       | Data units: mg/kg |  |  |
|-----------------------------|---------------------------------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------------------|--|--|
|                             | SRSSRS1606                            |       |      | SRSSRS1607 |       |      | SRSSRS1608 |       |      | SRSSRS1609 |       |      | SRSSRS1610 |       |                   |  |  |
| P2ZHHY                      | 1.38                                  | -0.73 | 0.01 | 0.23       | -0.48 | 0.01 | 0.77       | -1.62 | 0.19 | 0.29       | -0.62 | 0.05 | 0.78       | -0.61 | 0.79              |  |  |
|                             |                                       | -0.28 | 0.00 |            | -0.07 | 0.00 |            | -0.59 | 0.02 |            | -0.11 | 0.01 |            | -0.22 | 0.09              |  |  |
| 2V9A2L                      | 1.90                                  | 0.62  | 0.11 | 0.21       | -0.57 | 0.04 | 1.59       | 0.63  | 0.18 | 0.31       | -0.53 | 0.00 | 0.84       | -0.45 | 0.09              |  |  |
|                             |                                       | 0.24  | 0.02 |            | -0.09 | 0.01 |            | 0.23  | 0.02 |            | -0.09 | 0.00 |            | -0.16 | 0.01              |  |  |
| 9G9ZXE                      | 1.65                                  | -0.03 | 0.32 | 0.26       | -0.26 | 0.20 | 1.50       | 0.39  | 0.42 | 0.36       | -0.23 | 0.44 | 0.81       | -0.52 | 1.30              |  |  |
|                             |                                       | -0.01 | 0.06 |            | -0.04 | 0.03 |            | 0.14  | 0.05 |            | -0.04 | 0.04 |            | -0.19 | 0.14              |  |  |
| 7LQLUF                      | 1.66                                  | 0.00  | 0.25 | 0.26       | -0.27 | 0.11 | 1.29       | -0.18 | 0.61 | 0.47       | 0.40  | 0.17 | 1.52       | 1.42  | 0.40              |  |  |
|                             |                                       | 0.00  | 0.05 |            | -0.04 | 0.02 |            | -0.07 | 0.07 |            | 0.07  | 0.02 |            | 0.52  | 0.04              |  |  |
| ETFYA8                      | 1.62                                  | -0.10 | 0.47 | 0.33       | 0.22  | 0.14 | 1.36       | 0.00  | 0.36 | 0.47       | 0.42  | 0.31 | 1.43       | 1.18  | 0.43              |  |  |
|                             |                                       | -0.04 | 0.09 |            | 0.03  | 0.02 |            | 0.00  | 0.04 |            | 0.07  | 0.03 |            | 0.43  | 0.05              |  |  |
| WN8QDL                      | 2.30                                  | 1.67  | 0.18 | 0.37       | 0.45  | 0.08 | 1.58       | 0.60  | 0.43 | 0.47       | 0.44  | 0.11 | 1.01       | 0.03  | 0.17              |  |  |
|                             |                                       | 0.64  | 0.03 |            | 0.07  | 0.01 |            | 0.22  | 0.05 |            | 0.07  | 0.01 |            | 0.01  | 0.02              |  |  |
| QHLKDT                      | 2.78                                  | 2.91  | 4.79 | 0.86       | 3.69  | 1.23 | 1.77       | 1.10  | 2.35 | 0.94       | 3.18  | 2.52 | 2.55       | 4.24  | 2.72              |  |  |
|                             |                                       | 1.12  | 0.89 |            | 0.56  | 0.19 |            | 0.41  | 0.27 |            | 0.54  | 0.25 |            | 1.55  | 0.30              |  |  |
| NM37AU                      | 1.77                                  | 0.27  | 0.31 | 0.30       | 0.00  | 0.00 | 1.47       | 0.29  | 0.49 | 0.53       | 0.78  | 0.59 | 1.07       | 0.17  | 0.53              |  |  |
|                             |                                       | 0.10  | 0.06 |            | 0.00  | 0.00 |            | 0.11  | 0.06 |            | 0.13  | 0.06 |            | 0.06  | 0.06              |  |  |
| LU92FX                      | 2.00                                  | 0.89  | 3.00 | 0.78       | 3.14  | 5.24 | 0.97       | -1.05 | 4.85 | 0.75       | 2.05  | 4.92 | 0.94       | -0.16 | 3.98              |  |  |
|                             |                                       | 0.34  | 0.56 |            | 0.48  | 0.81 |            | -0.39 | 0.57 |            | 0.35  | 0.49 |            | -0.06 | 0.44              |  |  |
| 9JB2YB                      | 2.14                                  | 1.24  | 0.37 | 0.50       | 1.33  | 0.29 | 1.91       | 1.49  | 0.30 | 0.72       | 1.88  | 0.27 | 1.42       | 1.13  | 0.19              |  |  |
|                             |                                       | 0.48  | 0.07 |            | 0.20  | 0.05 |            | 0.55  | 0.04 |            | 0.32  | 0.03 |            | 0.41  | 0.02              |  |  |
| PD8M9Q                      | 2.00                                  | 0.88  | 0.54 | 0.37       | 0.44  | 0.38 | 1.60       | 0.65  | 0.86 | 0.40       | 0.00  | 0.00 | 1.03       | 0.08  | 0.53              |  |  |
|                             |                                       | 0.34  | 0.10 |            | 0.07  | 0.06 |            | 0.24  | 0.10 |            | 0.00  | 0.00 |            | 0.03  | 0.06              |  |  |
| 4XUXCD                      | 1.58                                  | -0.21 | 0.16 | 0.31       | 0.09  | 0.04 | 1.33       | -0.07 | 0.49 | 0.50       | 0.57  | 0.06 | 1.13       | 0.36  | 0.53              |  |  |
|                             |                                       | -0.08 | 0.03 |            | 0.01  | 0.01 |            | -0.03 | 0.06 |            | 0.10  | 0.01 |            | 0.13  | 0.06              |  |  |
| Z9LAXF                      | 1.41                                  | -0.67 | 0.11 | 0.06       | -1.59 | 0.04 | 1.22       | -0.37 | 0.32 | 0.08       | -1.89 | 0.06 | 0.74       | -0.72 | 0.36              |  |  |
|                             |                                       | -0.26 | 0.02 |            | -0.24 | 0.01 |            | -0.14 | 0.04 |            | -0.32 | 0.01 |            | -0.26 | 0.04              |  |  |
| ZTQT9G                      | 1.97                                  | 0.81  | 0.59 | 0.42       | 0.81  | 0.15 | 1.73       | 1.00  | 0.40 | 0.54       | 0.84  | 0.15 | 1.22       | 0.59  | 0.48              |  |  |
|                             |                                       | 0.31  | 0.11 |            | 0.12  | 0.02 |            | 0.37  | 0.05 |            | 0.14  | 0.02 |            | 0.22  | 0.05              |  |  |
| HML4ZY                      | 1.50                                  | -0.43 |      | 0.30       | 0.00  | 0.00 | 1.60       | 0.65  | 0.86 | 0.30       | -0.59 | 0.00 | 1.00       | -0.01 | 0.91              |  |  |
|                             |                                       | -0.16 | 0.00 |            | 0.00  | 0.00 |            | 0.24  | 0.10 |            | -0.10 | 0.00 |            | 0.00  | 0.10              |  |  |
| JDB3EY                      | 2.16                                  | 1.30  | 0.90 | 0.51       | 1.37  | 0.17 | 2.24       | 2.39  | 0.31 | 0.50       | 0.57  | 0.15 | 1.65       | 1.76  | 0.43              |  |  |
|                             |                                       | 0.50  | 0.17 |            | 0.21  | 0.03 |            | 0.88  | 0.04 |            | 0.10  | 0.02 |            | 0.64  | 0.05              |  |  |
| 3HG3JC                      | 1.32                                  | -0.90 |      | 0.31       | 0.07  |      | 0.93       | -1.17 |      | 0.22       | -1.05 |      | 0.57       | -1.19 |                   |  |  |
|                             |                                       | -0.34 | 0.00 |            | 0.01  | 0.00 |            | -0.43 | 0.00 |            | -0.18 | 0.00 |            | -0.43 | 0.00              |  |  |
| VMZPEH                      | 0.98                                  | -1.78 | 0.41 | 0.16       | -0.90 | 0.31 | 0.87       | -1.33 | 0.35 | 0.28       | -0.72 | 1.09 | 0.78       | -0.62 | 0.88              |  |  |
|                             |                                       | -0.68 | 0.08 |            | -0.14 | 0.05 |            | -0.49 | 0.04 |            | -0.12 | 0.11 |            | -0.23 | 0.10              |  |  |
| 2ZLAYD                      | 1.90                                  | 0.62  | 0.00 | 0.25       | -0.33 | 0.11 | 1.80       | 1.20  | 0.00 | 0.38       | -0.12 | 0.10 | 0.86       | -0.38 | 0.26              |  |  |
|                             |                                       | 0.24  | 0.00 |            | -0.05 | 0.02 |            | 0.44  | 0.00 |            | -0.02 | 0.01 |            | -0.14 | 0.03              |  |  |
| 9GTK67                      | 1.68                                  | 0.05  | 0.21 | 0.34       | 0.27  | 0.05 | 1.71       | 0.94  | 0.07 | 0.46       | 0.32  | 0.08 | 1.16       | 0.42  | 0.22              |  |  |
|                             |                                       | 0.02  | 0.04 |            | 0.04  | 0.01 |            | 0.35  | 0.01 |            | 0.06  | 0.01 |            | 0.15  | 0.02              |  |  |



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|               | 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 |
|---------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
|               | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD |
| <b>Q2DTBN</b> | <b>1.31</b> | -0.91   | 0.22    | <b>0.26</b> | -0.28   | 0.04    | <b>1.10</b> | -0.72   | 0.20    | <b>0.41</b> | 0.08    | 0.12    | <b>1.39</b> | 1.06    | 0.24    |
|               |             | -0.35   | 0.04    |             | -0.04   | 0.01    |             | -0.26   | 0.02    |             | 0.01    | 0.01    |             | 0.39    | 0.03    |
| <b>2RDHVB</b> | <b>1.92</b> | 0.68    | 0.81    | <b>0.23</b> | -0.44   | 0.47    | <b>1.47</b> | 0.30    | 1.58    | <b>0.35</b> | -0.29   | 0.88    | <b>1.00</b> | 0.00    | 1.70    |
|               |             | 0.26    | 0.15    |             | -0.07   | 0.07    |             | 0.11    | 0.19    |             | -0.05   | 0.09    |             | 0.00    | 0.19    |
| <b>6J7BH6</b> | <b>1.35</b> | -0.82   | 0.20    | <b>0.15</b> | -0.99   | 0.41    | <b>1.19</b> | -0.48   | 0.48    | <b>0.30</b> | -0.57   | 0.37    | <b>1.02</b> | 0.05    | 0.23    |
|               |             | -0.32   | 0.04    |             | -0.15   | 0.06    |             | -0.18   | 0.06    |             | -0.10   | 0.04    |             | 0.02    | 0.02    |
| <b>ZT92XC</b> | <b>1.96</b> | 0.77    | 0.45    | <b>0.30</b> | -0.02   | 0.42    | <b>1.65</b> | 0.80    | 0.36    | <b>0.31</b> | -0.51   | 0.15    | <b>0.93</b> | -0.19   | 0.47    |
|               |             | 0.29    | 0.08    |             | 0.00    | 0.06    |             | 0.29    | 0.04    |             | -0.09   | 0.02    |             | -0.07   | 0.05    |
| <b>YNEK8D</b> | <b>1.42</b> | -0.63   | 2.15    | <b>1.48</b> | 7.72    | 0.39    | <b>0.36</b> | -2.73   | 0.18    | <b>1.54</b> | 6.67    | 1.23    | <b>0.40</b> | -1.65   | 0.19    |
|               |             | -0.24   | 0.40    |             | 1.18    | 0.06    |             | -1.00   | 0.02    |             | 1.14    | 0.12    |             | -0.60   | 0.02    |
| <b>V3RMFD</b> | <b>1.52</b> | -0.36   | 0.33    | <b>0.36</b> | 0.38    | 0.26    | <b>1.45</b> | 0.23    | 0.74    | <b>0.56</b> | 0.93    | 0.22    | <b>1.59</b> | 1.59    | 0.18    |
|               |             | -0.14   | 0.06    |             | 0.06    | 0.04    |             | 0.08    | 0.09    |             | 0.16    | 0.02    |             | 0.58    | 0.02    |
| <b>PZ7RCJ</b> | <b>1.76</b> | 0.26    | 0.03    | <b>0.26</b> | -0.25   | 0.01    | <b>1.33</b> | -0.09   | 0.12    | <b>0.34</b> | -0.35   | 0.04    | <b>0.91</b> | -0.27   | 0.07    |
|               |             | 0.10    | 0.01    |             | -0.04   | 0.00    |             | -0.03   | 0.01    |             | -0.06   | 0.00    |             | -0.10   | 0.01    |
| <b>RF99BG</b> | <b>1.50</b> | -0.43   |         | <b>0.23</b> | -0.48   | 0.04    | <b>1.10</b> | -0.71   | 0.00    | <b>0.32</b> | -0.49   | 0.33    | <b>0.84</b> | -0.44   | 0.45    |
|               |             | -0.16   | 0.00    |             | -0.07   | 0.01    |             | -0.26   | 0.00    |             | -0.08   | 0.03    |             | -0.16   | 0.05    |
| <b>K4H7TN</b> | <b>1.40</b> | -0.69   | 0.00    | <b>0.23</b> | -0.44   | 0.38    | <b>1.30</b> | -0.16   | 0.00    | <b>0.37</b> | -0.20   | 0.59    | <b>0.90</b> | -0.28   | 0.00    |
|               |             | -0.26   | 0.00    |             | -0.07   | 0.06    |             | -0.06   | 0.00    |             | -0.03   | 0.06    |             | -0.10   | 0.00    |
| <b>Y26GAB</b> | <b>1.73</b> | 0.18    | 0.09    | <b>0.32</b> | 0.11    | 0.01    | <b>1.23</b> | -0.35   | 0.07    | <b>0.33</b> | -0.40   | 0.13    | <b>1.16</b> | 0.42    | 0.12    |
|               |             | 0.07    | 0.02    |             | 0.02    | 0.00    |             | -0.13   | 0.01    |             | -0.07   | 0.01    |             | 0.15    | 0.01    |
| <b>4TXAV7</b> | <b>1.79</b> | 0.33    |         | <b>0.41</b> | 0.72    |         | <b>1.46</b> | 0.27    |         | <b>0.51</b> | 0.64    |         | <b>1.01</b> | 0.02    |         |
|               |             | 0.13    | 0.00    |             | 0.11    | 0.00    |             | 0.10    | 0.00    |             | 0.11    | 0.00    |             | 0.01    | 0.00    |
| <b>EJR4AR</b> | <b>1.37</b> | -0.77   | 0.31    | <b>0.13</b> | -1.09   | 0.38    | <b>1.10</b> | -0.71   | 0.00    | <b>0.20</b> | -1.17   | 0.00    | <b>0.63</b> | -1.01   | 0.53    |
|               |             | -0.30   | 0.06    |             | -0.17   | 0.06    |             | -0.26   | 0.00    |             | -0.20   | 0.00    |             | -0.37   | 0.06    |
| <b>ACVHGX</b> | <b>3.97</b> | 6.03    | 0.72    | <b>0.89</b> | 3.88    | 0.72    | <b>2.24</b> | 2.39    | 4.65    | <b>1.10</b> | 4.08    | 0.83    | <b>2.33</b> | 3.63    | 1.27    |
|               |             | 2.31    | 0.13    |             | 0.59    | 0.11    |             | 0.88    | 0.54    |             | 0.70    | 0.08    |             | 1.33    | 0.14    |
| <b>6UNU32</b> | <b>1.64</b> | -0.06   | 0.05    | <b>0.21</b> | -0.56   | 0.06    | <b>1.54</b> | 0.50    | 0.82    | <b>0.44</b> | 0.21    | 0.64    | <b>0.83</b> | -0.48   | 0.52    |
|               |             | -0.02   | 0.01    |             | -0.09   | 0.01    |             | 0.18    | 0.10    |             | 0.04    | 0.06    |             | -0.17   | 0.06    |
| <b>D79YPQ</b> | <b>1.52</b> | -0.36   | 0.03    | <b>0.17</b> | -0.83   | 0.04    | <b>1.05</b> | -0.84   | 0.10    | <b>0.18</b> | -1.29   | 0.10    | <b>0.72</b> | -0.77   | 0.14    |
|               |             | -0.14   | 0.01    |             | -0.13   | 0.01    |             | -0.31   | 0.01    |             | -0.22   | 0.01    |             | -0.28   | 0.02    |
| <b>XJT9V6</b> | <b>1.91</b> | 0.63    | 0.12    | <b>0.53</b> | 1.47    | 2.51    | <b>1.36</b> | 0.00    | 0.06    | <b>0.40</b> | 0.02    | 0.07    | <b>1.12</b> | 0.33    | 0.19    |
|               |             | 0.24    | 0.02    |             | 0.23    | 0.39    |             | 0.00    | 0.01    |             | 0.00    | 0.01    |             | 0.12    | 0.02    |
| <b>HU3FFL</b> | <b>1.50</b> | -0.42   | 0.27    | <b>0.33</b> | 0.17    | 0.48    | <b>1.07</b> | -0.80   | 0.42    | <b>0.46</b> | 0.35    | 1.40    | <b>1.31</b> | 0.83    | 1.15    |
|               |             | -0.16   | 0.05    |             | 0.03    | 0.07    |             | -0.29   | 0.05    |             | 0.06    | 0.14    |             | 0.30    | 0.13    |
| <b>N6HFCF</b> | <b>1.97</b> | 0.81    | 1.17    | <b>0.31</b> | 0.05    | 0.35    | <b>1.47</b> | 0.29    | 0.32    | <b>0.43</b> | 0.17    | 0.76    | <b>1.31</b> | 0.85    | 1.55    |
|               |             | 0.31    | 0.22    |             | 0.01    | 0.05    |             | 0.11    | 0.04    |             | 0.03    | 0.08    |             | 0.31    | 0.17    |
| <b>9KRXTW</b> | <b>1.81</b> | 0.38    | 0.11    | <b>0.24</b> | -0.42   | 0.03    | <b>1.57</b> | 0.58    | 0.10    | <b>0.39</b> | -0.09   | 0.17    | <b>0.88</b> | -0.33   | 0.29    |
|               |             | 0.15    | 0.02    |             | -0.07   | 0.01    |             | 0.21    | 0.01    |             | -0.02   | 0.02    |             | -0.12   | 0.03    |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 1.66    |         |                    | 0.30    |         |                    | 1.36    |         |                    | 0.40    |         |                    | 1.00    |         |
| <b>Median Abs Dev</b>    |                    | 0.24    |         |                    | 0.07    |         |                    | 0.23    |         |                    | 0.09    |         |                    | 0.16    |         |
| <b>Avg Within Lab SD</b> |                    | 0.19    |         |                    | 0.15    |         |                    | 0.12    |         |                    | 0.10    |         |                    | 0.11    |         |
| <b>Labs Included</b>     |                    | 37      |         |                    | 37      |         |                    | 37      |         |                    | 37      |         |                    | 37      |         |
| <b>Labs Reporting</b>    |                    | 37      |         |                    | 37      |         |                    | 37      |         |                    | 37      |         |                    | 37      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mn - DTPA (SubTestCode 171) | in the Micronutrients Property Groups |       |      |             |       |      |             |       |      |              |        |       |              |       |       | Data units: mg/kg |
|-----------------------------|---------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|--------------|--------|-------|--------------|-------|-------|-------------------|
|                             | SRSSRS1606                            |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609   |        |       | SRSSRS1610   |       |       |                   |
| <b>P2ZHHY</b>               | <b>1.99</b>                           | -0.62 | 0.04 | <b>2.40</b> | -0.06 | 0.17 | <b>1.33</b> | -0.81 | 0.13 | <b>19.94</b> | -1.28  | 0.28  | <b>2.45</b>  | 0.21  | 0.07  |                   |
|                             |                                       | -1.19 | 0.05 |             | -0.08 | 0.05 |             | -1.80 | 0.06 |              | -9.52  | 1.05  |              | 0.45  | 0.24  |                   |
| <b>2V9A2L</b>               | <b>2.80</b>                           | -0.20 | 0.09 | <b>2.63</b> | 0.12  | 0.22 | <b>3.77</b> | 0.28  | 0.27 | <b>33.83</b> | 0.59   | 0.11  | <b>0.90</b>  | -0.52 | 0.00  |                   |
|                             |                                       | -0.38 | 0.10 |             | 0.16  | 0.06 |             | 0.63  | 0.12 |              | 4.38   | 0.40  |              | -1.10 | 0.00  |                   |
| <b>9G9ZXE</b>               | <b>1.46</b>                           | -0.89 | 0.14 | <b>5.05</b> | 2.03  | 0.60 | <b>3.15</b> | 0.01  | 0.82 | <b>33.67</b> | 0.56   | 0.95  | <b>1.09</b>  | -0.43 | 0.05  |                   |
|                             |                                       | -1.72 | 0.17 |             | 2.57  | 0.16 |             | 0.01  | 0.35 |              | 4.21   | 3.53  |              | -0.91 | 0.17  |                   |
| <b>7LQLUF</b>               | <b>4.04</b>                           | 0.44  | 0.67 | <b>2.48</b> | 0.00  | 0.25 | <b>3.52</b> | 0.17  | 0.74 | <b>33.60</b> | 0.56   | 0.27  | <b>4.77</b>  | 1.31  | 0.48  |                   |
|                             |                                       | 0.85  | 0.78 |             | 0.00  | 0.07 |             | 0.39  | 0.32 |              | 4.14   | 1.01  |              | 2.77  | 1.61  |                   |
| <b>ETFYA8</b>               | <b>3.73</b>                           | 0.28  | 0.15 | <b>3.46</b> | 0.77  | 0.20 | <b>2.99</b> | -0.06 | 0.12 | <b>30.27</b> | 0.11   | 0.38  | <b>3.82</b>  | 0.86  | 0.02  |                   |
|                             |                                       | 0.55  | 0.17 |             | 0.98  | 0.05 |             | -0.15 | 0.05 |              | 0.81   | 1.40  |              | 1.82  | 0.05  |                   |
| <b>WN8QDL</b>               | <b>3.75</b>                           | 0.29  | 0.01 | <b>1.81</b> | -0.52 | 0.07 | <b>4.49</b> | 0.61  | 0.14 | <b>17.90</b> | -1.55  | 0.04  | <b>2.30</b>  | 0.14  | 0.01  |                   |
|                             |                                       | 0.56  | 0.01 |             | -0.66 | 0.02 |             | 1.35  | 0.06 |              | -11.55 | 0.14  |              | 0.30  | 0.02  |                   |
| <b>QHLKDT</b>               | <b>6.63</b>                           | 1.79  | 0.40 | <b>5.19</b> | 2.14  | 2.10 | <b>6.36</b> | 1.44  | 2.69 | <b>50.37</b> | 2.80   | 0.81  | <b>9.12</b>  | 3.37  | 0.28  |                   |
|                             |                                       | 3.45  | 0.46 |             | 2.71  | 0.56 |             | 3.23  | 1.14 |              | 20.91  | 3.02  |              | 7.12  | 0.94  |                   |
| <b>NM37AU</b>               | <b>3.17</b>                           | -0.01 | 0.13 | <b>2.30</b> | -0.14 | 0.37 | <b>2.73</b> | -0.18 | 0.27 | <b>32.33</b> | 0.39   | 0.31  | <b>3.70</b>  | 0.81  | 0.03  |                   |
|                             |                                       | -0.02 | 0.15 |             | -0.18 | 0.10 |             | -0.40 | 0.12 |              | 2.88   | 1.16  |              | 1.70  | 0.10  |                   |
| <b>LU92FX</b>               | <b>5.46</b>                           | 1.18  | 5.49 | <b>3.55</b> | 0.84  | 4.01 | <b>2.61</b> | -0.24 | 3.03 | <b>24.67</b> | -0.64  | 5.23  | <b>13.33</b> | 5.37  | 5.71  |                   |
|                             |                                       | 2.28  | 6.34 |             | 1.07  | 1.07 |             | -0.53 | 1.29 |              | -4.78  | 19.50 |              | 11.33 | 19.19 |                   |
| <b>9JB2YB</b>               | <b>6.11</b>                           | 1.51  | 0.17 | <b>1.89</b> | -0.46 | 0.40 | <b>7.48</b> | 1.94  | 0.52 | <b>25.46</b> | -0.54  | 0.22  | <b>1.54</b>  | -0.22 | 0.02  |                   |
|                             |                                       | 2.93  | 0.19 |             | -0.59 | 0.11 |             | 4.35  | 0.22 |              | -3.99  | 0.83  |              | -0.46 | 0.08  |                   |
| <b>PD8M9Q</b>               | <b>4.00</b>                           | 0.42  | 0.87 | <b>3.33</b> | 0.68  | 2.16 | <b>4.00</b> | 0.39  | 2.35 | <b>30.33</b> | 0.12   | 0.62  | <b>1.67</b>  | -0.16 | 0.17  |                   |
|                             |                                       | 0.82  | 1.00 |             | 0.86  | 0.58 |             | 0.86  | 1.00 |              | 0.88   | 2.31  |              | -0.33 | 0.58  |                   |
| <b>4XUXCD</b>               | <b>1.93</b>                           | -0.65 | 0.10 | <b>3.60</b> | 0.89  | 0.65 | <b>2.53</b> | -0.27 | 0.14 | <b>31.67</b> | 0.30   | 0.15  | <b>1.27</b>  | -0.35 | 0.02  |                   |
|                             |                                       | -1.25 | 0.12 |             | 1.12  | 0.17 |             | -0.60 | 0.06 |              | 2.21   | 0.58  |              | -0.73 | 0.06  |                   |
| <b>Z9LAXF</b>               | <b>3.18</b>                           | 0.00  | 0.03 | <b>3.58</b> | 0.87  | 0.66 | <b>3.04</b> | -0.04 | 0.28 | <b>26.87</b> | -0.35  | 0.19  | <b>2.61</b>  | 0.29  | 0.02  |                   |
|                             |                                       | 0.00  | 0.03 |             | 1.10  | 0.18 |             | -0.10 | 0.12 |              | -2.59  | 0.71  |              | 0.61  | 0.08  |                   |
| <b>ZTQT9G</b>               | <b>4.07</b>                           | 0.46  | 0.35 | <b>4.20</b> | 1.36  | 1.12 | <b>4.20</b> | 0.48  | 0.47 | <b>37.30</b> | 1.05   | 0.21  | <b>2.17</b>  | 0.08  | 0.06  |                   |
|                             |                                       | 0.88  | 0.40 |             | 1.72  | 0.30 |             | 1.06  | 0.20 |              | 7.85   | 0.80  |              | 0.17  | 0.21  |                   |
| <b>HML4ZY</b>               | <b>2.80</b>                           | -0.20 | 0.09 | <b>3.60</b> | 0.89  | 0.37 | <b>4.80</b> | 0.74  | 0.62 | <b>21.80</b> | -1.03  | 0.14  | <b>1.40</b>  | -0.28 | 0.03  |                   |
|                             |                                       | -0.38 | 0.10 |             | 1.12  | 0.10 |             | 1.66  | 0.26 |              | -7.65  | 0.53  |              | -0.60 | 0.10  |                   |
| <b>3HG3JC</b>               | <b>4.84</b>                           | 0.86  |      | <b>2.78</b> | 0.24  |      | <b>1.47</b> | -0.74 |      | <b>19.43</b> | -1.34  |       | <b>2.38</b>  | 0.18  |       |                   |
|                             |                                       | 1.66  | 0.00 |             | 0.30  | 0.00 |             | -1.67 | 0.00 |              | -10.02 | 0.00  |              | 0.38  | 0.00  |                   |
| <b>2ZLAYD</b>               | <b>9.00</b>                           | 3.01  | 0.23 | <b>2.30</b> | -0.14 | 0.00 | <b>9.83</b> | 2.99  | 0.36 | <b>27.67</b> | -0.24  | 0.15  | <b>3.00</b>  | 0.47  |       |                   |
|                             |                                       | 5.82  | 0.26 |             | -0.18 | 0.00 |             | 6.70  | 0.15 |              | -1.79  | 0.58  |              | 1.00  | 0.00  |                   |
| <b>9GTK67</b>               | <b>5.52</b>                           | 1.21  | 0.36 | <b>3.73</b> | 0.99  | 0.67 | <b>8.65</b> | 2.46  | 0.81 | <b>36.37</b> | 0.93   | 0.43  | <b>2.53</b>  | 0.25  | 0.02  |                   |
|                             |                                       | 2.33  | 0.42 |             | 1.25  | 0.18 |             | 5.51  | 0.34 |              | 6.92   | 1.62  |              | 0.53  | 0.06  |                   |
| <b>2RDHVB</b>               | <b>7.29</b>                           | 2.13  | 0.78 | <b>2.57</b> | 0.08  | 0.99 | <b>7.53</b> | 1.96  | 2.48 | <b>32.78</b> | 0.45   | 1.07  | <b>2.76</b>  | 0.36  | 0.21  |                   |
|                             |                                       | 4.11  | 0.90 |             | 0.10  | 0.27 |             | 4.39  | 1.05 |              | 3.33   | 3.99  |              | 0.76  | 0.70  |                   |
| <b>6J7BH6</b>               | <b>2.06</b>                           | -0.58 | 0.13 | <b>1.67</b> | -0.63 | 0.59 | <b>2.36</b> | -0.35 | 0.60 | <b>26.72</b> | -0.37  | 0.85  | <b>1.69</b>  | -0.15 | 0.03  |                   |
|                             |                                       | -1.12 | 0.15 |             | -0.81 | 0.16 |             | -0.77 | 0.25 |              | -2.73  | 3.17  |              | -0.31 | 0.09  |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------|---------|---------|--------------|---------|---------|-------------|---------|---------|--------------|---------|---------|--------------|---------|---------|
|                          | Difference   |         | W/L STD | Difference   |         | W/L STD | Difference  |         | W/L STD | Difference   |         | W/L STD | Difference   |         | W/L STD |
| <b>ZT92XC</b>            | <b>1.94</b>  | -0.65   | 0.09    | <b>1.42</b>  | -0.83   | 0.52    | <b>2.62</b> | -0.23   | 0.18    | <b>14.41</b> | -2.02   | 0.04    | <b>0.73</b>  | -0.60   | 0.01    |
| <b>YNEK8D</b>            | <b>32.82</b> | -1.25   | 0.10    | <b>4.93</b>  | -1.06   | 0.14    | <b>3.48</b> | -0.51   | 0.08    | <b>4.91</b>  | -15.04  | 0.15    | <b>28.70</b> | -1.27   | 0.02    |
| <b>V3RMFD</b>            | <b>2.43</b>  | 15.34   | 27.69   | <b>1.45</b>  | 1.94    | 0.72    | <b>2.47</b> | 0.15    | 0.13    | <b>30.47</b> | -3.29   | 0.08    | <b>5.60</b>  | 12.66   | 0.36    |
| <b>RF99BG</b>            | <b>1.83</b>  | 29.64   | 31.96   | <b>1.83</b>  | 2.46    | 0.19    | <b>1.87</b> | 0.35    | 0.05    | <b>26.00</b> | -24.54  | 0.31    | <b>1.43</b>  | 26.70   | 1.20    |
| <b>K4H7TN</b>            | <b>4.00</b>  | -0.39   | 0.13    | <b>2.00</b>  | -0.81   | 0.19    | <b>5.00</b> | -0.30   | 0.14    | <b>34.33</b> | 0.14    | 0.28    | <b>2.00</b>  | 1.71    | 0.03    |
| <b>Y26GAB</b>            | <b>3.15</b>  | -0.75   | 0.15    | <b>1.76</b>  | -1.03   | 0.05    | <b>2.91</b> | -0.67   | 0.06    | <b>29.45</b> | 1.01    | 1.06    | <b>1.80</b>  | 3.60    | 0.10    |
| <b>4TXAV7</b>            | <b>2.69</b>  | -0.70   | 0.10    | <b>3.99</b>  | -0.51   | 0.43    | <b>2.57</b> | -0.57   | 0.49    | <b>33.20</b> | -0.46   | 0.27    | <b>1.51</b>  | -0.27   | 0.05    |
| <b>EJR4AR</b>            | <b>1.77</b>  | -1.35   | 0.12    | <b>3.10</b>  | -0.64   | 0.12    | <b>2.23</b> | -1.27   | 0.21    | <b>25.07</b> | -3.45   | 1.00    | <b>1.27</b>  | -0.57   | 0.15    |
| <b>ACVHGX</b>            | <b>4.64</b>  | 0.42    |         | <b>1.74</b>  | -0.38   |         | <b>2.75</b> | 0.83    |         | <b>32.46</b> | 0.65    | 0.31    | <b>1.24</b>  | 0.00    |         |
| <b>6UNU32</b>            | <b>2.79</b>  | 0.82    | 0.00    | <b>2.00</b>  | -0.48   | 0.00    | <b>4.10</b> | 1.86    | 0.00    | <b>28.60</b> | 4.88    | 1.15    | <b>1.09</b>  | 0.00    | 0.00    |
| <b>D79YPQ</b>            | <b>2.09</b>  | -0.01   | 0.02    | <b>2.14</b>  | -0.56   | 0.04    | <b>1.17</b> | -0.10   | 0.02    | <b>20.86</b> | 0.00    | 0.11    | <b>0.60</b>  | -0.10   | 0.00    |
| <b>XJT9V6</b>            | <b>1.81</b>  | -0.03   | 0.03    | <b>41.75</b> | -0.72   | 0.01    | <b>4.01</b> | -0.22   | 0.01    | <b>26.84</b> | 0.00    | 0.39    | <b>40.02</b> | -0.20   | 0.01    |
| <b>HU3FFL</b>            | <b>4.42</b>  | -0.26   |         | <b>1.67</b>  | 1.19    |         | <b>5.46</b> | -0.25   |         | <b>34.40</b> | 0.50    |         | <b>4.64</b>  | -0.23   |         |
| <b>N6HFCF</b>            | <b>3.52</b>  | -0.49   | 0.00    | <b>4.00</b>  | 1.51    | 0.00    | <b>5.12</b> | -0.57   | 0.00    | <b>32.03</b> | 3.75    | 0.00    | <b>2.25</b>  | -0.49   | 0.00    |
| <b>9KRXTW</b>            | <b>3.26</b>  | -0.73   | 0.10    | <b>1.73</b>  | 0.49    | 0.37    | <b>3.14</b> | -0.40   | 0.49    | <b>29.79</b> | -0.59   | 0.15    | <b>1.26</b>  | -0.35   | 0.05    |
|                          |              | -1.42   | 0.12    |              | 0.62    | 0.10    |             | -0.90   | 0.21    |              | 0.40    | 0.59    |              | -0.36   | 0.07    |
|                          |              | 0.75    | 0.59    |              | -0.58   | 0.68    |             | -0.17   | 0.74    |              | 3.01    | 2.21    |              | -0.76   | 0.23    |
|                          |              | 1.46    | 0.68    |              | -0.73   | 0.18    |             | -0.39   | 0.31    |              | -0.11   | 0.04    |              | -0.43   | 0.01    |
|                          |              | -0.20   | 0.10    |              | -0.38   | 0.73    |             | 0.43    | 0.12    |              | -0.85   | 0.15    |              | -0.91   | 0.03    |
|                          |              | -0.39   | 0.11    |              | -0.48   | 0.20    |             | 0.96    | 0.05    |              | -1.15   | 0.03    |              | -0.67   | 0.00    |
|                          |              | -0.56   | 0.04    |              | -0.26   | 0.08    |             | -0.88   | 0.05    |              | -8.59   | 0.10    |              | -1.40   | 0.01    |
|                          |              | -1.09   | 0.04    |              | -0.33   | 0.02    |             | -1.97   | 0.02    |              | -0.35   | 0.06    |              | 18.02   | 1.69    |
|                          |              | -0.71   | 0.07    |              | 30.95   | 0.89    |             | 0.39    | 0.07    |              | -2.61   | 0.21    |              | 38.02   | 5.69    |
|                          |              | -1.38   | 0.08    |              | 39.27   | 0.24    |             | 0.88    | 0.03    |              | 0.66    | 0.57    |              | 1.25    | 0.11    |
|                          |              | 0.64    | 0.10    |              | -0.64   | 0.53    |             | 1.04    | 0.13    |              | 4.94    | 2.12    |              | 2.64    | 0.35    |
|                          |              | 1.24    | 0.12    |              | -0.81   | 0.14    |             | 2.32    | 0.06    |              | 0.35    | 0.25    |              | 0.12    | 0.13    |
|                          |              | 0.17    | 0.16    |              | 1.20    | 1.02    |             | 0.89    | 0.51    |              | 2.58    | 0.95    |              | 0.25    | 0.43    |
|                          |              | 0.34    | 0.19    |              | 1.53    | 0.27    |             | 1.99    | 0.22    |              | 0.05    | 0.08    |              | -0.35   | 0.02    |
|                          |              | 0.04    | 0.06    |              | -0.59   | 0.08    |             | 0.00    | 0.09    |              | 0.34    | 0.31    |              | -0.74   | 0.06    |
|                          |              | 0.08    | 0.08    |              | -0.75   | 0.02    |             | 0.00    | 0.04    |              |         |         |              |         |         |
| <b>Grand Median</b>      |              | 3.18    |         | 2.48         |         |         | 3.14        |         |         | 29.5         |         |         | 2.00         |         |         |
| <b>Median Abs Dev</b>    |              | 1.09    |         | 0.75         |         |         | 0.86        |         |         | 3.7          |         |         | 0.73         |         |         |
| <b>Avg Within Lab SD</b> |              | 1.15    |         | 0.27         |         |         | 0.43        |         |         | 3.7          |         |         | 3.36         |         |         |
| <b>Labs Included</b>     |              | 33      |         | 33           |         |         | 33          |         |         | 33           |         |         | 33           |         |         |
| <b>Labs Reporting</b>    |              | 33      |         | 33           |         |         | 33          |         |         | 33           |         |         | 33           |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Fe - DTPA (SubTestCode 172) |             | in the Micronutrients Property Groups |      |             |       |      |             |      |      |             |       |      |             | Data units: mg/kg |     |
|-----------------------------|-------------|---------------------------------------|------|-------------|-------|------|-------------|------|------|-------------|-------|------|-------------|-------------------|-----|
|                             | SRSSRS1606  |                                       |      | SRSSRS1607  |       |      | SRSSRS1608  |      |      | SRSSRS1609  |       |      | SRSSRS1610  |                   |     |
| <b>P2ZHHY</b>               | <b>1.0</b>  | -0.3                                  | 0.0  | <b>21.2</b> | -0.8  | 0.1  | <b>1.8</b>  | -0.8 | 0.0  | <b>11.1</b> | -1.2  | 0.2  | <b>15.2</b> | -0.7              | 0.5 |
|                             |             | -0.4                                  | 0.0  |             | -11.8 | 0.6  |             | -2.1 | 0.1  |             | -10.6 | 0.5  |             | -9.0              | 2.1 |
| <b>2V9A2L</b>               | <b>1.0</b>  | -0.3                                  |      | <b>25.0</b> | -0.6  | 0.2  | <b>5.0</b>  | 0.4  |      | <b>17.3</b> | -0.5  | 0.2  | <b>13.3</b> | -0.8              | 0.1 |
|                             |             | -0.4                                  | 0.0  |             | -8.0  | 1.0  |             | 1.1  | 0.0  |             | -4.4  | 0.6  |             | -10.8             | 0.6 |
| <b>9G9ZXE</b>               | <b>0.9</b>  | -0.4                                  | 0.0  | <b>27.8</b> | -0.4  | 0.6  | <b>3.8</b>  | 0.0  | 0.1  | <b>16.5</b> | -0.6  | 0.6  | <b>15.3</b> | -0.6              | 0.1 |
|                             |             | -0.5                                  | 0.1  |             | -5.2  | 3.0  |             | -0.1 | 0.3  |             | -5.2  | 1.4  |             | -8.8              | 0.5 |
| <b>7LQLUF</b>               | <b>1.6</b>  | 0.2                                   | 0.0  | <b>34.5</b> | 0.1   | 0.4  | <b>3.4</b>  | -0.2 | 0.0  | <b>27.8</b> | 0.7   | 1.3  | <b>33.6</b> | 0.7               | 0.5 |
|                             |             | 0.2                                   | 0.1  |             | 1.5   | 2.2  |             | -0.5 | 0.1  |             | 6.1   | 3.1  |             | 9.4               | 1.8 |
| <b>ETFYA8</b>               | <b>1.4</b>  | 0.0                                   | 0.0  | <b>35.4</b> | 0.2   | 0.2  | <b>3.2</b>  | -0.3 | 0.0  | <b>25.1</b> | 0.4   | 0.2  | <b>29.4</b> | 0.4               | 0.2 |
|                             |             | 0.1                                   | 0.2  |             | 2.4   | 1.3  |             | -0.7 | 0.1  |             | 3.4   | 0.5  |             | 5.3               | 0.6 |
| <b>WN8QDL</b>               | <b>3.3</b>  | 1.5                                   | 0.0  | <b>40.2</b> | 0.5   | 0.2  | <b>10.5</b> | 2.6  | 0.0  | <b>23.1</b> | 0.2   | 0.1  | <b>25.2</b> | 0.1               | 0.0 |
|                             |             | 1.9                                   | 0.1  |             | 7.2   | 0.8  |             | 6.6  | 0.1  |             | 1.4   | 0.2  |             | 1.0               | 0.2 |
| <b>QHLKDT</b>               | <b>1.9</b>  | 0.4                                   | 0.0  | <b>51.4</b> | 1.3   | 0.7  | <b>5.5</b>  | 0.6  | 0.2  | <b>33.9</b> | 1.4   | 0.9  | <b>52.0</b> | 2.0               | 1.4 |
|                             |             | 0.5                                   | 0.1  |             | 18.4  | 3.6  |             | 1.6  | 0.6  |             | 12.2  | 2.2  |             | 27.8              | 5.8 |
| <b>NM37AU</b>               | <b>1.8</b>  | 0.4                                   | 0.0  | <b>31.2</b> | -0.1  | 0.5  | <b>4.4</b>  | 0.2  | 0.0  | <b>24.1</b> | 0.3   | 0.4  | <b>22.1</b> | -0.1              | 0.5 |
|                             |             | 0.4                                   | 0.1  |             | -1.8  | 2.5  |             | 0.5  | 0.2  |             | 2.4   | 1.0  |             | -2.0              | 2.0 |
| <b>LU92FX</b>               | <b>14.4</b> | 10.4                                  | 5.7  | <b>26.8</b> | -0.4  | 4.0  | <b>14.2</b> | 4.1  | 5.8  | <b>16.6</b> | -0.6  | 4.6  | <b>26.2</b> | 0.2               | 0.7 |
|                             |             | 13.0                                  | 21.8 |             | -6.2  | 21.2 |             | 10.3 | 19.0 |             | -5.1  | 10.9 |             | 2.1               | 2.7 |
| <b>9JB2YB</b>               | <b>0.2</b>  | -1.0                                  | 0.0  | <b>39.5</b> | 0.4   | 0.2  | <b>3.5</b>  | -0.1 | 0.1  | <b>27.9</b> | 0.7   | 0.1  | <b>26.6</b> | 0.2               | 0.4 |
|                             |             | -1.2                                  | 0.1  |             | 6.5   | 0.9  |             | -0.4 | 0.2  |             | 6.2   | 0.3  |             | 2.4               | 1.5 |
| <b>PD8M9Q</b>               | <b>2.0</b>  | 0.5                                   |      | <b>39.0</b> | 0.4   | 1.4  | <b>7.3</b>  | 1.4  | 0.4  | <b>21.3</b> | 0.0   | 1.3  | <b>22.7</b> | -0.1              | 1.0 |
|                             |             | 0.6                                   | 0.0  |             | 6.0   | 7.5  |             | 3.4  | 1.2  |             | -0.4  | 3.1  |             | -1.5              | 4.2 |
| <b>4XUXCD</b>               | <b>1.4</b>  | 0.0                                   | 0.0  | <b>35.0</b> | 0.1   | 0.2  | <b>3.7</b>  | -0.1 | 0.0  | <b>26.7</b> | 0.6   | 1.2  | <b>56.3</b> | 2.4               | 0.6 |
|                             |             | 0.0                                   | 0.1  |             | 2.0   | 1.0  |             | -0.2 | 0.1  |             | 5.0   | 2.9  |             | 32.2              | 2.5 |
| <b>Z9LAXF</b>               | <b>1.2</b>  | -0.1                                  | 0.0  | <b>39.7</b> | 0.5   | 0.2  | <b>3.4</b>  | -0.2 | 0.0  | <b>24.3</b> | 0.3   | 0.2  | <b>22.2</b> | -0.1              | 0.2 |
|                             |             | -0.2                                  | 0.0  |             | 6.7   | 0.9  |             | -0.5 | 0.1  |             | 2.6   | 0.5  |             | -1.9              | 0.9 |
| <b>ZTQT9G</b>               | <b>2.0</b>  | 0.5                                   | 0.1  | <b>51.4</b> | 1.3   | 0.4  | <b>5.3</b>  | 0.6  | 0.1  | <b>37.7</b> | 1.9   | 0.6  | <b>33.0</b> | 0.6               | 0.7 |
|                             |             | 0.6                                   | 0.3  |             | 18.4  | 2.3  |             | 1.4  | 0.2  |             | 16.0  | 1.4  |             | 8.8               | 2.6 |
| <b>HML4ZY</b>               | <b>1.3</b>  | -0.1                                  | 0.0  | <b>36.4</b> | 0.2   | 0.2  | <b>4.9</b>  | 0.4  | 0.0  | <b>18.7</b> | -0.3  | 0.1  | <b>19.2</b> | -0.4              | 0.1 |
|                             |             | -0.1                                  | 0.0  |             | 3.4   | 0.9  |             | 1.0  | 0.2  |             | -3.0  | 0.2  |             | -5.0              | 0.5 |
| <b>3HG3JC</b>               | <b>1.0</b>  | -0.3                                  |      | <b>17.2</b> | -1.1  |      | <b>3.6</b>  | -0.1 |      | <b>6.5</b>  | -1.8  |      | <b>7.9</b>  | -1.2              |     |
|                             |             | -0.4                                  | 0.0  |             | -15.8 | 0.0  |             | -0.3 | 0.0  |             | -15.2 | 0.0  |             | -16.3             | 0.0 |
| <b>2ZLAYD</b>               | <b>1.2</b>  | -0.1                                  | 0.0  | <b>19.7</b> | -0.9  | 0.2  | <b>5.0</b>  | 0.4  | 0.0  | <b>12.3</b> | -1.1  | 0.2  | <b>11.0</b> | -1.0              | 0.3 |
|                             |             | -0.2                                  | 0.2  |             | -13.3 | 1.2  |             | 1.1  | 0.1  |             | -9.4  | 0.6  |             | -13.2             | 1.1 |
| <b>9GTK67</b>               | <b>1.7</b>  | 0.2                                   | 0.0  | <b>46.6</b> | 0.9   | 0.2  | <b>9.6</b>  | 2.2  | 0.0  | <b>32.1</b> | 1.2   | 0.2  | <b>26.4</b> | 0.2               | 0.2 |
|                             |             | 0.3                                   | 0.1  |             | 13.6  | 0.9  |             | 5.7  | 0.1  |             | 10.4  | 0.4  |             | 2.2               | 0.8 |
| <b>2RDHVB</b>               | <b>1.7</b>  | 0.3                                   | 0.1  | <b>36.4</b> | 0.2   | 0.5  | <b>7.5</b>  | 1.4  | 0.2  | <b>29.2</b> | 0.9   | 0.8  | <b>32.7</b> | 0.6               | 1.0 |
|                             |             | 0.3                                   | 0.3  |             | 3.4   | 2.6  |             | 3.6  | 0.6  |             | 7.5   | 1.9  |             | 8.5               | 4.1 |
| <b>6J7BH6</b>               | <b>1.4</b>  | 0.0                                   | 0.0  | <b>29.2</b> | -0.3  | 0.4  | <b>3.4</b>  | -0.2 | 0.0  | <b>22.1</b> | 0.0   | 0.7  | <b>27.4</b> | 0.2               | 1.4 |
|                             |             | 0.0                                   | 0.1  |             | -3.8  | 2.4  |             | -0.5 | 0.1  |             | 0.4   | 1.7  |             | 3.2               | 5.6 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| ZT92XC                   | 1.4                | 0.0     | 0.0     | 42.7               | 0.7     | 1.1     | 5.5                | 0.6     | 0.0     | 26.8               | 0.6     | 0.3     | 19.8               | -0.3    | 0.1     |
| YNEK8D                   | 33.6               | 25.8    | 2.1     | 2.1                | -2.1    | 0.1     | 47.5               | 17.2    | 0.6     | 5.1                | -1.9    | 0.3     | 25.3               | 0.1     | 0.2     |
| V3RMFD                   | 1.6                | 0.2     | 0.0     | 48.7               | 1.1     | 0.7     | 3.6                | -0.1    | 0.1     | 20.0               | -0.2    | 0.2     | 47.6               | 1.7     | 0.5     |
| RF99BG                   | 1.5                | 0.1     | 0.0     | 33.0               | 0.0     | 0.2     | 2.7                | -0.5    | 0.1     | 20.0               | -0.2    | 0.4     | 29.3               | 0.4     | 0.3     |
| K4H7TN                   | 1.3                | 0.0     | 0.2     | 30.7               | -0.2    | 0.2     | 8.7                | 1.9     | 0.2     | 18.0               | -0.4    | 0.4     | 20.7               | -0.3    | 0.1     |
| Y26GAB                   | 1.1                | -0.1    | 0.6     | 29.4               | -2.3    | 1.2     | 3.1                | 4.8     | 0.6     | 20.4               | -3.7    | 1.0     | 24.8               | -3.5    | 0.6     |
| 4TXAV7                   |                    | -0.2    | 0.0     | 45.6               | -0.2    | 0.0     | 3.6                | -0.3    | 0.0     | 31.3               | -0.2    | 0.0     | 23.5               | 0.0     | 0.0     |
| EJR4AR                   | 1.0                | -0.3    |         | 28.7               | 0.9     | 0.0     | 3.6                | -0.1    | 0.2     | 19.3               | 1.1     | 0.0     | 16.0               | -0.7    | 0.0     |
| ACVHGX                   | 2.3                | -0.4    | 0.0     | 28.7               | -4.3    | 1.2     | 3.7                | -0.2    | 0.6     | 19.3               | -2.4    | 1.2     | 16.0               | -8.2    | 1.0     |
| 6UNU32                   | 1.0                | 0.8     | 0.1     | 91.7               | 4.1     | 2.2     | 7.0                | 1.2     | 0.4     | 40.2               | 2.1     | 0.6     | 50.9               | 2.0     | 1.0     |
| D79YPQ                   | 1.1                | 1.0     | 0.2     | 33.0               | 58.7    | 11.9    | 3.0                | 3.1     | 1.5     | 21.2               | 18.5    | 1.3     | 19.7               | 26.7    | 4.1     |
| XJT9V6                   | 3.0                | -0.3    | 0.0     | 33.0               | 0.0     | 0.5     | 3.0                | -0.3    | 0.1     | 21.2               | -0.1    | 0.1     | 17.3               | -0.5    | 0.1     |
| HU3FFL                   | 2.0                | -0.4    | 0.2     | 21.3               | 0.0     | 2.4     | 4.0                | -0.9    | 0.2     | 16.4               | -0.5    | 0.3     | 15.5               | -6.8    | 0.3     |
| N6HFCF                   | 2.5                | -0.2    | 0.0     | 21.3               | -0.8    | 0.1     | 4.0                | 0.0     | 0.0     | 16.4               | -0.6    | 0.1     | 19.7               | -0.3    | 0.0     |
| 9KRXTW                   | 1.1                | -0.3    | 0.0     | 4.1                | -11.7   | 0.5     | 3.2                | 0.1     | 0.0     | 34.8               | -5.3    | 0.2     | 1.5                | -4.5    | 0.1     |
|                          |                    | 1.3     | 0.0     | 4.1                | -2.0    | 0.0     | 3.2                | -0.3    | 0.0     | 34.8               | 1.5     | 0.1     | 1.5                | -1.7    | 0.0     |
|                          |                    | 1.6     | 0.1     | 28.4               | -28.9   | 0.1     | 4.8                | -0.7    | 0.0     | 24.2               | 13.1    | 0.3     | 26.8               | -22.7   | 0.1     |
|                          |                    | 0.5     | 0.1     | 28.4               | -0.3    | 0.5     | 4.8                | 0.3     | 0.0     | 24.2               | 0.3     | 0.7     | 26.8               | 0.2     | 0.2     |
|                          |                    | 0.7     | 0.3     | 47.7               | -4.6    | 2.8     | 5.5                | 0.9     | 0.0     | 26.6               | 2.5     | 1.8     | 47.1               | 2.6     | 0.7     |
|                          |                    | 0.9     | 0.2     | 47.7               | 1.0     | 2.6     | 5.5                | 0.6     | 0.1     | 26.6               | 0.6     | 1.7     | 47.1               | 1.7     | 4.9     |
|                          |                    | 1.2     | 0.8     | 24.2               | 14.7    | 13.7    | 3.6                | 1.6     | 0.3     | 20.6               | 4.9     | 4.1     | 15.2               | 22.9    | 19.8    |
|                          |                    | -0.2    | 0.0     | 24.2               | -0.6    | 0.1     | 3.6                | -0.1    | 0.0     | 20.6               | -0.1    | 0.1     | 15.2               | -0.7    | 0.1     |
|                          |                    | -0.3    | 0.0     | 24.2               | -8.8    | 0.3     | 3.6                | -0.3    | 0.0     | 20.6               | -1.1    | 0.2     | 15.2               | -9.0    | 0.5     |
| <b>Grand Median</b>      |                    | 1.39    |         | 33.0               |         |         | 3.90               |         |         | 21.7               |         |         | 24.2               |         |         |
| <b>Median Abs Dev</b>    |                    | 0.36    |         | 6.6                |         |         | 0.86               |         |         | 4.9                |         |         | 5.2                |         |         |
| <b>Avg Within Lab SD</b> |                    | 3.80    |         | 5.3                |         |         | 3.28               |         |         | 2.4                |         |         | 4.0                |         |         |
| <b>Labs Included</b>     |                    | 33      |         | 34                 |         |         | 34                 |         |         | 34                 |         |         | 34                 |         |         |
| <b>Labs Reporting</b>    |                    | 33      |         | 34                 |         |         | 34                 |         |         | 34                 |         |         | 34                 |         |         |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups |             |       |       |             |       |       |             |       |       |              |       |       |              |       |       |                   |
|---|-------------|-------|-------|-------------|-------|-------|-------------|-------|-------|--------------|-------|-------|--------------|-------|-------|-------------------|
|   | SRSSRS1606  |       |       | SRSSRS1607  |       |       | SRSSRS1608  |       |       | SRSSRS1609   |       |       | SRSSRS1610   |       |       | Data units: mg/kg |
| <b>P2ZHHY</b>   | <b>0.48</b> | -1.00 | 0.38  | <b>0.24</b> | -0.73 | 0.12  | <b>0.51</b> | -2.01 | 0.11  | <b>0.33</b>  | -0.87 | 0.02  | <b>0.71</b>  | -0.43 | 1.22  |                   |
|   |             | -0.17 | 0.03  |             | -0.08 | 0.01  |             | -0.59 | 0.01  |              | -0.16 | 0.00  |              | -0.14 | 0.08  |                   |
| <b>2V9A2L</b>   | <b>0.80</b> | 0.90  | 0.08  | <b>0.29</b> | -0.27 | 0.12  | <b>1.35</b> | 0.85  | 0.00  | <b>0.46</b>  | -0.16 | 0.09  | <b>0.74</b>  | -0.34 | 0.23  |                   |
|   |             | 0.15  | 0.01  |             | -0.03 | 0.01  |             | 0.25  | 0.00  |              | -0.03 | 0.01  |              | -0.11 | 0.02  |                   |
| <b>9G9ZXE</b>   | <b>0.53</b> | -0.73 | 0.30  | <b>0.26</b> | -0.57 | 0.21  | <b>1.00</b> | -0.35 | 0.25  | <b>0.40</b>  | -0.45 | 0.31  | <b>0.63</b>  | -0.68 | 0.23  |                   |
|   |             | -0.12 | 0.02  |             | -0.06 | 0.01  |             | -0.10 | 0.02  |              | -0.08 | 0.02  |              | -0.22 | 0.02  |                   |
| <b>7LQLUF</b>   | <b>0.57</b> | -0.48 | 0.28  | <b>0.33</b> | 0.04  | 0.37  | <b>1.01</b> | -0.32 | 0.42  | <b>0.49</b>  | 0.00  | 0.34  | <b>1.26</b>  | 1.25  | 0.22  |                   |
|   |             | -0.08 | 0.02  |             | 0.00  | 0.02  |             | -0.09 | 0.04  |              | 0.00  | 0.02  |              | 0.41  | 0.01  |                   |
| <b>ETFYA8</b>   | <b>0.60</b> | -0.27 | 0.05  | <b>0.31</b> | -0.10 | 0.32  | <b>0.89</b> | -0.72 | 0.42  | <b>0.47</b>  | -0.08 | 0.35  | <b>1.12</b>  | 0.83  | 0.81  |                   |
|   |             | -0.05 | 0.00  |             | -0.01 | 0.01  |             | -0.21 | 0.04  |              | -0.01 | 0.02  |              | 0.27  | 0.05  |                   |
| <b>WN8QDL</b>   | <b>0.68</b> | 0.18  | 0.11  | <b>0.30</b> | -0.24 | 0.07  | <b>0.77</b> | -1.14 | 0.14  | <b>0.39</b>  | -0.52 | 0.10  | <b>0.80</b>  | -0.17 | 0.24  |                   |
|   |             | 0.03  | 0.01  |             | -0.03 | 0.00  |             | -0.33 | 0.01  |              | -0.09 | 0.01  |              | -0.05 | 0.02  |                   |
| <b>QHLKDT</b>   | <b>4.30</b> | 21.48 | 12.27 | <b>8.84</b> | 76.81 | 16.26 | <b>9.00</b> | 26.93 | 15.57 | <b>14.07</b> | 75.32 | 11.94 | <b>18.79</b> | 54.47 | 40.55 |                   |
|   |             | 3.65  | 0.86  |             | 8.52  | 0.76  |             | 7.90  | 1.32  |              | 13.59 | 0.81  |              | 17.94 | 2.66  |                   |
| <b>NM37AU</b>   | <b>0.70</b> | 0.29  | 1.43  | <b>0.30</b> | -0.21 | 0.00  | <b>1.00</b> | -0.34 | 0.00  | <b>0.50</b>  | 0.08  | 0.00  | <b>0.77</b>  | -0.25 | 0.88  |                   |
|   |             | 0.05  | 0.10  |             | -0.02 | 0.00  |             | -0.10 | 0.00  |              | 0.02  | 0.00  |              | -0.08 | 0.06  |                   |
| <b>LU92FX</b>   | <b>0.61</b> | -0.22 | 0.95  | <b>0.44</b> | 1.05  | 4.91  | <b>0.79</b> | -1.07 | 4.58  | <b>0.69</b>  | 1.12  | 5.17  | <b>0.81</b>  | -0.12 | 3.77  |                   |
|   |             | -0.04 | 0.07  |             | 0.12  | 0.23  |             | -0.31 | 0.39  |              | 0.20  | 0.35  |              | -0.04 | 0.25  |                   |
| <b>9JB2YB</b>   | <b>0.86</b> | 1.24  | 0.14  | <b>0.44</b> | 1.08  | 0.25  | <b>1.42</b> | 1.08  | 0.25  | <b>0.60</b>  | 0.62  | 0.31  | <b>1.46</b>  | 1.84  | 0.38  |                   |
|   |             | 0.21  | 0.01  |             | 0.12  | 0.01  |             | 0.32  | 0.02  |              | 0.11  | 0.02  |              | 0.61  | 0.03  |                   |
| <b>PD8M9Q</b>   | <b>0.77</b> | 0.69  | 0.82  | <b>0.36</b> | 0.36  | 1.33  | <b>1.25</b> | 0.50  | 1.71  | <b>0.49</b>  | 0.01  | 0.49  | <b>0.88</b>  | 0.08  | 0.62  |                   |
|   |             | 0.12  | 0.06  |             | 0.04  | 0.06  |             | 0.15  | 0.14  |              | 0.00  | 0.03  |              | 0.03  | 0.04  |                   |
| <b>4XUXCD</b>   | <b>0.62</b> | -0.20 | 0.22  | <b>0.36</b> | 0.30  | 0.25  | <b>1.20</b> | 0.34  | 0.00  | <b>0.50</b>  | 0.10  | 0.09  | <b>0.97</b>  | 0.35  | 0.44  |                   |
|   |             | -0.03 | 0.02  |             | 0.03  | 0.01  |             | 0.10  | 0.00  |              | 0.02  | 0.01  |              | 0.12  | 0.03  |                   |
| <b>Z9LAXF</b>   | <b>0.61</b> | -0.25 | 0.22  | <b>0.36</b> | 0.36  | 0.33  | <b>1.04</b> | -0.20 | 0.41  | <b>0.43</b>  | -0.29 | 0.23  | <b>0.85</b>  | 0.00  | 0.26  |                   |
|   |             | -0.04 | 0.02  |             | 0.04  | 0.02  |             | -0.06 | 0.03  |              | -0.05 | 0.02  |              | 0.00  | 0.02  |                   |
| <b>ZTQT9G</b>   | <b>0.85</b> | 1.16  | 0.08  | <b>0.44</b> | 1.02  | 0.33  | <b>1.26</b> | 0.55  | 0.61  | <b>0.71</b>  | 1.25  | 0.30  | <b>1.11</b>  | 0.78  | 0.97  |                   |
|   |             | 0.20  | 0.01  |             | 0.11  | 0.02  |             | 0.16  | 0.05  |              | 0.23  | 0.02  |              | 0.26  | 0.06  |                   |
| <b>HML4ZY</b>   | <b>0.60</b> | -0.29 | 0.00  | <b>0.43</b> | 0.99  | 1.23  | <b>1.30</b> | 0.68  | 0.00  | <b>0.40</b>  | -0.47 | 0.00  | <b>0.90</b>  | 0.15  | 0.00  |                   |
|   |             | -0.05 | 0.00  |             | 0.11  | 0.06  |             | 0.20  | 0.00  |              | -0.09 | 0.00  |              | 0.05  | 0.00  |                   |
| <b>3HG3JC</b>   | <b>0.52</b> | -0.76 | 0.00  | <b>0.23</b> | -0.84 | 0.00  | <b>0.64</b> | -1.57 | 0.00  | <b>0.28</b>  | -1.14 | 0.00  | <b>0.45</b>  | -1.21 | 0.00  |                   |
|   |             | -0.13 | 0.00  |             | -0.09 | 0.00  |             | -0.46 | 0.00  |              | -0.21 | 0.00  |              | -0.40 | 0.00  |                   |
| <b>2ZLAYD</b>   | <b>0.67</b> | 0.12  | 0.14  | <b>0.26</b> | -0.60 | 0.12  | <b>1.10</b> | 0.00  | 0.00  | <b>0.37</b>  | -0.62 | 0.09  | <b>0.65</b>  | -0.60 | 0.18  |                   |
|   |             | 0.02  | 0.01  |             | -0.07 | 0.01  |             | 0.00  | 0.00  |              | -0.11 | 0.01  |              | -0.20 | 0.01  |                   |
| <b>9GTK67</b>   | <b>0.66</b> | 0.05  | 0.63  | <b>0.40</b> | 0.73  | 0.25  | <b>1.44</b> | 1.15  | 0.40  | <b>0.60</b>  | 0.66  | 0.29  | <b>0.99</b>  | 0.42  | 0.48  |                   |
|   |             | 0.01  | 0.04  |             | 0.08  | 0.01  |             | 0.34  | 0.03  |              | 0.12  | 0.02  |              | 0.14  | 0.03  |                   |
| <b>2RDHVB</b>   | <b>0.77</b> | 0.73  | 1.53  | <b>0.32</b> | 0.00  | 1.21  | <b>1.20</b> | 0.34  | 1.74  | <b>0.53</b>  | 0.23  | 1.38  | <b>0.87</b>  | 0.07  | 2.37  |                   |
|   |             | 0.12  | 0.11  |             | 0.00  | 0.06  |             | 0.10  | 0.15  |              | 0.04  | 0.09  |              | 0.02  | 0.16  |                   |
| <b>6J7BH6</b>   | <b>0.55</b> | -0.59 | 0.25  | <b>0.27</b> | -0.53 | 0.55  | <b>0.99</b> | -0.39 | 0.53  | <b>0.41</b>  | -0.44 | 0.50  | <b>0.84</b>  | -0.02 | 0.64  |                   |
|   |             | -0.10 | 0.02  |             | -0.06 | 0.03  |             | -0.11 | 0.04  |              | -0.08 | 0.03  |              | -0.01 | 0.04  |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>ZT92XC</b>            | <b>0.58</b>        | -0.41   | 0.25    | <b>0.27</b>        | -0.48   | 0.43    | <b>1.08</b>        | -0.07   | 0.12    | <b>0.35</b>        | -0.77   | 0.09    | <b>0.66</b>        | -0.59   | 0.09    |
|                          |                    | -0.07   | 0.02    |                    | -0.05   | 0.02    |                    | -0.02   | 0.01    |                    | -0.14   | 0.01    |                    | -0.19   | 0.01    |
| <b>YNEK8D</b>            | <b>1.06</b>        | 2.40    | 4.20    | <b>0.53</b>        | 1.87    | 0.39    | <b>0.38</b>        | -2.45   | 0.24    | <b>1.05</b>        | 3.13    | 1.07    | <b>0.43</b>        | -1.28   | 0.21    |
|                          |                    | 0.41    | 0.29    |                    | 0.21    | 0.02    |                    | -0.72   | 0.02    |                    | 0.57    | 0.07    |                    | -0.42   | 0.01    |
| <b>V3RMFD</b>            | <b>0.62</b>        | -0.20   | 0.59    | <b>0.34</b>        | 0.14    | 0.77    | <b>1.23</b>        | 0.46    | 1.80    | <b>0.61</b>        | 0.67    | 0.82    | <b>1.32</b>        | 1.42    | 1.48    |
|                          |                    | -0.03   | 0.04    |                    | 0.02    | 0.04    |                    | 0.13    | 0.15    |                    | 0.12    | 0.06    |                    | 0.47    | 0.10    |
| <b>RF99BG</b>            | <b>0.65</b>        | 0.00    | 0.38    | <b>0.29</b>        | -0.27   | 0.33    | <b>0.99</b>        | -0.37   | 0.12    | <b>0.47</b>        | -0.10   | 0.23    | <b>0.75</b>        | -0.31   | 0.18    |
|                          |                    | 0.00    | 0.03    |                    | -0.03   | 0.02    |                    | -0.11   | 0.01    |                    | -0.02   | 0.02    |                    | -0.10   | 0.01    |
| <b>K4H7TN</b>            | <b>0.93</b>        | 1.67    | 0.82    | <b>0.50</b>        | 1.59    |         | <b>1.23</b>        | 0.45    | 0.68    | <b>0.97</b>        | 2.67    | 0.85    | <b>1.37</b>        | 1.57    | 0.88    |
|                          |                    | 0.28    | 0.06    |                    | 0.18    | 0.00    |                    | 0.13    | 0.06    |                    | 0.48    | 0.06    |                    | 0.52    | 0.06    |
| <b>Y26GAB</b>            | <b>1.13</b>        | 2.82    | 0.21    | <b>0.44</b>        | 1.02    | 0.16    | <b>1.53</b>        | 1.45    | 0.07    | <b>0.74</b>        | 1.41    | 0.21    | <b>1.64</b>        | 2.39    | 0.08    |
|                          |                    | 0.48    | 0.01    |                    | 0.11    | 0.01    |                    | 0.43    | 0.01    |                    | 0.26    | 0.01    |                    | 0.79    | 0.01    |
| <b>4TXAV7</b>            | <b>0.74</b>        | 0.53    |         | <b>0.47</b>        | 1.32    |         | <b>1.15</b>        | 0.17    |         | <b>0.68</b>        | 1.08    |         | <b>0.88</b>        | 0.09    |         |
|                          |                    | 0.09    | 0.00    |                    | 0.15    | 0.00    |                    | 0.05    | 0.00    |                    | 0.20    | 0.00    |                    | 0.03    | 0.00    |
| <b>EJR4AR</b>            | <b>0.60</b>        | -0.29   | 2.47    | <b>0.27</b>        | -0.51   | 1.23    | <b>0.87</b>        | -0.79   | 0.68    | <b>0.40</b>        | -0.47   | 0.00    | <b>0.57</b>        | -0.86   | 0.88    |
|                          |                    | -0.05   | 0.17    |                    | -0.06   | 0.06    |                    | -0.23   | 0.06    |                    | -0.09   | 0.00    |                    | -0.28   | 0.06    |
| <b>ACVHGX</b>            | <b>2.93</b>        | 13.43   | 2.90    | <b>1.91</b>        | 14.31   | 5.38    | <b>3.51</b>        | 8.20    | 1.31    | <b>1.99</b>        | 8.34    | 3.33    | <b>3.46</b>        | 7.92    | 4.49    |
|                          |                    | 2.28    | 0.20    |                    | 1.59    | 0.25    |                    | 2.41    | 0.11    |                    | 1.51    | 0.23    |                    | 2.61    | 0.30    |
| <b>6UNU32</b>            | <b>0.54</b>        | -0.64   | 0.57    | <b>0.26</b>        | -0.55   | 0.33    | <b>1.05</b>        | -0.16   | 0.30    | <b>0.40</b>        | -0.49   | 0.11    | <b>0.67</b>        | -0.55   | 0.48    |
|                          |                    | -0.11   | 0.04    |                    | -0.06   | 0.02    |                    | -0.05   | 0.03    |                    | -0.09   | 0.01    |                    | -0.18   | 0.03    |
| <b>D79YPQ</b>            | <b>0.52</b>        | -0.78   | 0.22    | <b>0.17</b>        | -1.41   | 0.25    | <b>0.88</b>        | -0.76   | 0.27    | <b>0.36</b>        | -0.69   | 0.15    | <b>0.51</b>        | -1.02   | 0.23    |
|                          |                    | -0.13   | 0.02    |                    | -0.16   | 0.01    |                    | -0.22   | 0.02    |                    | -0.13   | 0.01    |                    | -0.34   | 0.02    |
| <b>XJT9V6</b>            | <b>0.82</b>        | 1.03    | 0.05    | <b>0.41</b>        | 0.78    | 0.23    | <b>1.26</b>        | 0.54    | 0.02    | <b>0.54</b>        | 0.30    | 0.03    | <b>0.92</b>        | 0.21    | 0.00    |
|                          |                    | 0.17    | 0.00    |                    | 0.09    | 0.01    |                    | 0.16    | 0.00    |                    | 0.05    | 0.00    |                    | 0.07    | 0.00    |
| <b>HU3FFL</b>            | <b>0.68</b>        | 0.20    | 0.16    | <b>0.29</b>        | -0.33   | 0.33    | <b>1.13</b>        | 0.10    | 0.24    | <b>0.56</b>        | 0.42    | 0.51    | <b>1.10</b>        | 0.76    | 0.95    |
|                          |                    | 0.03    | 0.01    |                    | -0.04   | 0.02    |                    | 0.03    | 0.02    |                    | 0.08    | 0.03    |                    | 0.25    | 0.06    |
| <b>N6HFCF</b>            | <b>0.79</b>        | 0.84    | 0.79    | <b>0.41</b>        | 0.77    | 0.19    | <b>1.34</b>        | 0.83    | 0.27    | <b>0.56</b>        | 0.39    | 0.46    | <b>1.14</b>        | 0.89    | 1.54    |
|                          |                    | 0.14    | 0.06    |                    | 0.09    | 0.01    |                    | 0.24    | 0.02    |                    | 0.07    | 0.03    |                    | 0.29    | 0.10    |
| <b>9KRXTW</b>            | <b>0.60</b>        | -0.32   | 0.23    | <b>0.19</b>        | -1.17   | 0.38    | <b>1.11</b>        | 0.04    | 0.02    | <b>0.39</b>        | -0.55   | 0.04    | <b>0.61</b>        | -0.72   | 0.49    |
|                          |                    | -0.05   | 0.02    |                    | -0.13   | 0.02    |                    | 0.01    | 0.00    |                    | -0.10   | 0.00    |                    | -0.24   | 0.03    |
| <b>Grand Median</b>      |                    | 0.65    |         | 0.32               |         |         | 1.10               |         |         | 0.49               |         |         | 0.85               |         |         |
| <b>Median Abs Dev</b>    |                    | 0.09    |         | 0.06               |         |         | 0.15               |         |         | 0.09               |         |         | 0.19               |         |         |
| <b>Avg Within Lab SD</b> |                    | 0.07    |         | 0.05               |         |         | 0.08               |         |         | 0.07               |         |         | 0.07               |         |         |
| <b>Labs Included</b>     |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33                 |         |         | 33                 |         |         |
| <b>Labs Reporting</b>    |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33                 |         |         | 33                 |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Zn - HCl (SubTestCode 174) | in the Micronutrients Property Groups |      |             |      |              |      |             |      |             |      | Data units: mg/kg |
|----------------------------|---------------------------------------|------|-------------|------|--------------|------|-------------|------|-------------|------|-------------------|
|                            | SRSSRS1606                            |      | SRSSRS1607  |      | SRSSRS1608   |      | SRSSRS1609  |      | SRSSRS1610  |      |                   |
| <b>3HG3JC</b>              | <b>3.42</b>                           |      | <b>0.86</b> |      | <b>0.04</b>  |      | <b>1.16</b> |      | <b>2.61</b> |      |                   |
|                            |                                       | 0.00 |             | 0.00 |              | 0.00 |             | 0.00 |             | 0.00 |                   |
|                            |                                       | 1.00 |             | 1.00 |              | 1.00 |             | 1.00 |             | 1.00 |                   |
| <b>YNEK8D</b>              | <b>10.22</b>                          |      | <b>2.10</b> |      | <b>10.67</b> |      | <b>4.65</b> |      | <b>4.25</b> |      |                   |
|                            |                                       | 0.51 |             | 0.02 |              | 0.07 |             | 0.07 |             | 0.07 |                   |
| <b>Grand Median</b>        |                                       | 6.82 |             | 1.48 |              | 5.35 |             | 2.90 |             | 3.43 |                   |
| <b>Median Abs Dev</b>      |                                       |      |             |      |              |      |             |      |             |      |                   |
| <b>Avg Within Lab SD</b>   |                                       | 0.51 |             | 0.02 |              | 0.07 |             | 0.07 |             | 0.07 |                   |
| <b>Labs Included</b>       |                                       | 2    |             | 2    |              | 2    |             | 2    |             | 2    |                   |
| <b>Labs Reporting</b>      |                                       | 2    |             | 2    |              | 2    |             | 2    |             | 2    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| CI - Ca(NO3)2 Extr. (SubTestCode 176) |             |       |      |             |       |      |               |         |       |              |       |      |             |       |      |
|---------------------------------------|-------------|-------|------|-------------|-------|------|---------------|---------|-------|--------------|-------|------|-------------|-------|------|
| in the Micronutrients Property Groups |             |       |      |             |       |      |               |         |       |              |       |      |             |       |      |
| Data units: mg/kg                     |             |       |      |             |       |      |               |         |       |              |       |      |             |       |      |
|                                       | SRSSRS1606  |       |      | SRSSRS1607  |       |      | SRSSRS1608    |         |       | SRSSRS1609   |       |      | SRSSRS1610  |       |      |
| <b>2V9A2L</b>                         | <b>8.40</b> | 1.25  | 0.22 | <b>4.53</b> | -0.26 | 0.18 | <b>571.00</b> | -1.27   | 0.09  | <b>18.30</b> | 0.09  | 0.31 | <b>4.10</b> | 0.00  | 0.00 |
|                                       |             | 4.10  | 0.10 |             | -0.43 | 0.06 |               | -249.00 | 1.73  |              | 0.37  | 0.20 |             | 0.00  | 0.00 |
| <b>ETFYA8</b>                         | <b>1.75</b> | -0.78 | 0.20 | <b>2.65</b> | -1.39 | 0.84 | <b>992.29</b> | 0.88    | 0.47  | <b>28.63</b> | 2.76  | 1.85 | <b>3.19</b> | -0.56 | 1.65 |
|                                       |             | -2.55 | 0.09 |             | -2.32 | 0.27 |               | 172.29  | 8.67  |              | 10.70 | 1.19 |             | -0.91 | 0.60 |
| <b>WN8QDL</b>                         | <b>4.24</b> | -0.02 | 0.08 | <b>5.15</b> | 0.11  | 0.58 | <b>344.84</b> | -2.42   | 0.63  | <b>17.90</b> | -0.01 | 0.46 | <b>3.80</b> | -0.19 | 0.64 |
|                                       |             | -0.06 | 0.04 |             | 0.18  | 0.19 |               | -475.16 | 11.50 |              | -0.03 | 0.30 |             | -0.30 | 0.24 |
| <b>NM37AU</b>                         | <b>5.44</b> | 0.35  | 2.67 | <b>5.36</b> | 0.24  | 2.35 | <b>915.00</b> | 0.48    | 1.23  | <b>16.93</b> | -0.26 | 1.90 | <b>4.89</b> | 0.49  | 2.22 |
|                                       |             | 1.14  | 1.21 |             | 0.39  | 0.76 |               | 95.00   | 22.52 |              | -1.00 | 1.22 |             | 0.79  | 0.81 |
| <b>4XUXCD</b>                         | <b>3.67</b> | -0.19 | 0.64 | <b>5.17</b> | 0.12  | 0.89 | <b>970.00</b> | 0.76    | 1.44  | <b>20.67</b> | 0.71  | 0.90 | <b>5.33</b> | 0.76  | 0.79 |
|                                       |             | -0.63 | 0.29 |             | 0.20  | 0.29 |               | 150.00  | 26.46 |              | 2.73  | 0.58 |             | 1.23  | 0.29 |
| <b>HML4ZY</b>                         | <b>3.47</b> | -0.25 | 0.56 | <b>4.97</b> | 0.00  | 0.64 | <b>821.10</b> | 0.01    | 1.46  | <b>17.93</b> | 0.00  | 0.18 | <b>3.90</b> | -0.12 | 0.47 |
|                                       |             | -0.83 | 0.25 |             | 0.00  | 0.21 |               | 1.10    | 26.71 |              | 0.00  | 0.12 |             | -0.20 | 0.17 |
| <b>E8KYJY</b>                         | <b>9.90</b> | 1.71  |      | <b>8.90</b> | 2.37  |      | <b>773.00</b> | -0.24   |       | <b>22.20</b> | 1.10  |      | <b>9.10</b> | 3.10  |      |
|                                       |             | 5.60  | 0.00 |             | 3.93  | 0.00 |               | -47.00  | 0.00  |              | 4.27  | 0.00 |             | 5.00  | 0.00 |
| <b>RF99BG</b>                         | <b>9.27</b> | 1.52  | 1.02 | <b>2.60</b> | -1.42 | 1.11 | <b>820.00</b> | 0.00    | 1.63  | <b>13.67</b> | -1.10 | 0.90 | <b>3.43</b> | -0.41 | 0.32 |
|                                       |             | 4.97  | 0.46 |             | -2.37 | 0.36 |               | 0.00    | 30.00 |              | -4.27 | 0.58 |             | -0.67 | 0.12 |
| <b>4TXAV7</b>                         | <b>4.30</b> | 0.00  |      | <b>4.70</b> | -0.16 |      | <b>817.00</b> | -0.02   |       | <b>17.80</b> | -0.03 |      | <b>4.80</b> | 0.43  |      |
|                                       |             | 0.00  | 0.00 |             | -0.27 | 0.00 |               | -3.00   | 0.00  |              | -0.13 | 0.00 |             | 0.70  | 0.00 |
| <b>Grand Median</b>                   |             | 4.30  |      | 4.97        |       |      | 820.0         |         |       | 17.9         |       |      | 4.10        |       |      |
| <b>Median Abs Dev</b>                 |             | 1.14  |      | 0.39        |       |      | 95.0          |         |       | 1.0          |       |      | 0.70        |       |      |
| <b>Avg Within Lab SD</b>              |             | 0.45  |      | 0.33        |       |      | 18.4          |         |       | 0.6          |       |      | 0.37        |       |      |
| <b>Labs Included</b>                  |             | 9     |      | 9           |       |      | 9             |         |       | 9            |       |      | 9           |       |      |
| <b>Labs Reporting</b>                 |             | 9     |      | 9           |       |      | 9             |         |       | 9            |       |      | 9           |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| B - Hot Wat. (SubTestCode 177) | in the Micronutrients Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: mg/kg |
|--------------------------------|---------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------------|
|                                | SRSSRS1606                            |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                   |
| ETFYA8                         | <b>0.74</b>                           | -0.34 | 0.46 | <b>0.16</b> | -0.32 | 0.25 | <b>1.79</b> | 0.20  | 0.73 | <b>0.23</b> | 0.00  | 0.11 | <b>0.26</b> | -0.01 | 0.43 |                   |
| WN8QDL                         | <b>1.03</b>                           | -0.10 | 0.02 | <b>0.17</b> | -0.03 | 0.01 | <b>2.80</b> | 0.15  | 0.08 | <b>0.18</b> | 0.00  | 0.01 | <b>0.16</b> | 0.00  | 0.01 |                   |
| QHLKDT                         | <b>0.22</b>                           | 0.68  | 0.33 |             | -0.29 | 0.06 |             | 1.60  | 0.54 |             | -0.44 | 0.02 |             | -0.43 | 0.15 |                   |
| 9JB2YB                         | <b>0.69</b>                           | 0.19  | 0.02 | <b>0.19</b> | -0.03 | 0.00 | <b>1.31</b> | 1.15  | 0.06 | <b>0.22</b> | -0.05 | 0.00 | <b>0.24</b> | -0.10 | 0.01 |                   |
| Z9LAXF                         | <b>0.42</b>                           | -2.18 | 0.78 | <b>0.11</b> | -0.02 | 0.05 | <b>1.02</b> | -1.45 | 1.07 | <b>0.14</b> | -0.12 | 0.04 | <b>0.16</b> | -0.10 | 0.00 |                   |
| QP24XR                         | <b>0.89</b>                           | -0.62 | 0.04 | <b>0.13</b> | 0.00  | 0.00 | <b>2.41</b> | -0.48 | 0.13 | <b>0.09</b> | -0.01 | 0.01 | <b>0.15</b> | -0.02 | 0.00 |                   |
| VMZPEH                         | <b>0.34</b>                           | -0.51 | 0.14 | <b>0.18</b> | -0.88 | 0.41 | <b>1.40</b> | -0.87 | 1.35 | <b>0.20</b> | -0.82 | 0.07 | <b>0.29</b> | -0.45 | 0.80 |                   |
| 2ZLAYD                         | <b>0.85</b>                           | -1.47 | 0.63 | <b>0.38</b> | -0.09 | 0.02 | <b>1.97</b> | -0.62 | 0.16 | <b>0.41</b> | -0.09 | 0.01 | <b>0.45</b> | -0.10 | 0.03 |                   |
| XD4VUG                         | <b>1.02</b>                           | -0.42 | 0.03 | <b>0.32</b> | -0.64 | 0.28 | <b>2.36</b> | 1.06  | 0.41 | <b>0.27</b> | -1.25 | 0.13 | <b>0.31</b> | -0.48 | 0.36 |                   |
| 9GTK67                         | <b>0.67</b>                           | 0.05  | 0.01 | <b>0.19</b> | -0.06 | 0.01 | <b>1.42</b> | 0.76  | 0.05 | <b>0.22</b> | -0.14 | 0.02 | <b>0.25</b> | -0.11 | 0.01 |                   |
| 2RDHVB                         | <b>0.94</b>                           | -1.75 | 1.98 | <b>0.27</b> | -0.17 | 0.57 | <b>1.83</b> | -0.34 | 1.32 | <b>0.28</b> | -0.29 | 0.11 | <b>0.32</b> | 0.12  | 3.14 |                   |
| Z9HQBC                         | <b>0.91</b>                           | -0.50 | 0.10 | <b>0.20</b> | -0.02 | 0.02 | <b>2.30</b> | -0.25 | 0.15 | <b>0.21</b> | -0.03 | 0.02 | <b>0.26</b> | 0.03  | 0.10 |                   |
| F4VC3W                         | <b>1.03</b>                           | 0.02  | 1.13 | <b>0.23</b> | 1.91  | 0.70 | <b>2.13</b> | 0.44  | 0.50 | <b>0.27</b> | 1.63  | 0.00 | <b>0.28</b> | 0.80  | 0.46 |                   |
| YNEK8D                         | <b>1.12</b>                           | 0.01  | 0.06 | <b>0.48</b> | 0.19  | 0.03 | <b>2.25</b> | 0.32  | 0.06 | <b>0.34</b> | 0.18  | 0.00 | <b>0.37</b> | 0.18  | 0.02 |                   |
| K4H7TN                         | <b>0.70</b>                           | 0.63  | 1.18 | <b>0.30</b> | 1.33  | 0.54 | <b>1.50</b> | 0.99  | 0.42 | <b>0.30</b> | 0.38  | 0.11 | <b>0.40</b> | 0.20  | 0.92 |                   |
| 9WKG82                         | <b>0.83</b>                           | 0.18  | 0.06 | <b>0.15</b> | 0.13  | 0.02 | <b>1.40</b> | 0.71  | 0.05 | <b>0.57</b> | 0.04  | 0.02 | <b>0.18</b> | 0.05  | 0.03 |                   |
| EDQREV                         | <b>1.02</b>                           | -0.61 | 0.34 | <b>0.19</b> | -0.01 | 0.23 | <b>2.22</b> | -0.31 | 0.52 | <b>0.34</b> | -0.12 | 0.09 | <b>0.38</b> | -0.07 | 0.36 |                   |
| XXB2JC                         | <b>0.83</b>                           | -0.17 | 0.02 | <b>0.24</b> | 0.00  | 0.01 | <b>1.40</b> | -0.22 | 0.06 | <b>0.25</b> | -0.01 | 0.01 | <b>0.24</b> | -0.02 | 0.01 |                   |
| 4TXAV7                         | <b>1.01</b>                           | 0.34  | 1.86 | <b>0.28</b> | 0.82  | 1.20 | <b>1.96</b> | 0.25  | 0.45 | <b>0.30</b> | 0.48  | 0.28 | <b>0.33</b> | 0.26  | 0.18 |                   |
| 4QUEC3                         | <b>1.22</b>                           | 0.10  | 0.10 | <b>0.16</b> | 0.08  | 0.05 | <b>0.20</b> | 0.18  | 0.05 | <b>0.14</b> | 0.05  | 0.04 | <b>2.38</b> | 0.06  | 0.01 |                   |
|                                |                                       | 0.23  | 0.30 |             | 0.03  | 0.15 |             | 0.90  | 0.75 |             | -0.18 | 0.07 |             | 0.00  | 0.18 |                   |
|                                |                                       | 0.07  | 0.02 |             | 0.00  | 0.01 |             | 0.65  | 0.09 |             | -0.02 | 0.01 |             | 0.00  | 0.01 |                   |
|                                |                                       | 0.65  | 1.05 |             | 0.39  | 0.08 |             | 0.67  | 1.53 |             | 0.33  | 0.11 |             | 0.06  | 0.23 |                   |
|                                |                                       | 0.19  | 0.05 |             | 0.04  | 0.00 |             | 0.48  | 0.17 |             | 0.04  | 0.01 |             | 0.01  | 0.01 |                   |
|                                |                                       | 1.00  | 1.31 |             | 2.94  | 4.26 |             | 0.84  | 1.13 |             | 1.00  | 0.21 |             | 0.46  | 0.26 |                   |
|                                |                                       | 0.28  | 0.07 |             | 0.29  | 0.16 |             | 0.60  | 0.13 |             | 0.11  | 0.03 |             | 0.11  | 0.01 |                   |
|                                |                                       | -0.49 | 1.96 |             | 1.09  | 0.00 |             | -0.20 |      |             | 0.63  | 0.00 |             | 0.59  | 0.00 |                   |
|                                |                                       | -0.14 | 0.10 |             | 0.11  | 0.00 |             | -0.15 | 0.00 |             | 0.07  | 0.00 |             | 0.14  | 0.00 |                   |
|                                |                                       | -0.02 | 0.57 |             | -0.44 | 0.00 |             | -0.34 | 2.66 |             | 3.05  | 4.76 |             | -0.35 | 0.88 |                   |
|                                |                                       | -0.01 | 0.03 |             | -0.04 | 0.00 |             | -0.25 | 0.30 |             | 0.34  | 0.64 |             | -0.08 | 0.03 |                   |
|                                |                                       | 0.65  | 0.57 |             | 0.00  | 0.41 |             | 0.80  | 0.53 |             | 0.99  | 0.00 |             | 0.49  | 0.18 |                   |
|                                |                                       | 0.18  | 0.03 |             | 0.00  | 0.02 |             | 0.57  | 0.06 |             | 0.11  | 0.00 |             | 0.11  | 0.01 |                   |
|                                |                                       | -0.02 | 0.93 |             | 0.48  | 1.06 |             | -0.34 | 0.30 |             | 0.18  | 0.27 |             | -0.12 | 1.15 |                   |
|                                |                                       | -0.01 | 0.05 |             | 0.05  | 0.04 |             | -0.25 | 0.03 |             | 0.02  | 0.04 |             | -0.03 | 0.04 |                   |
|                                |                                       | 0.60  |      |             | 0.88  |      |             | 0.44  |      |             | 0.63  |      |             | 0.29  |      |                   |
|                                |                                       | 0.17  | 0.00 |             | 0.09  | 0.00 |             | 0.31  | 0.00 |             | 0.07  | 0.00 |             | 0.07  | 0.00 |                   |
|                                |                                       | 1.33  | 0.60 |             | -0.37 | 0.31 |             | -2.01 | 0.15 |             | -0.82 | 0.00 |             | 9.17  | 2.44 |                   |
|                                |                                       | 0.38  | 0.03 |             | -0.04 | 0.01 |             | -1.45 | 0.02 |             | -0.09 | 0.00 |             | 2.11  | 0.08 |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Z4BZ87</b>            | <b>0.81</b>        | -0.12   | 0.41    | <b>0.17</b>        | -0.20   | 0.31    | <b>1.93</b>        | 0.39    | 1.45    | <b>0.16</b>        | -0.67   | 0.04    | <b>0.20</b>        | -0.27   | 0.30    |
|                          |                    | -0.03   | 0.02    |                    | -0.02   | 0.01    |                    | 0.28    | 0.17    |                    | -0.07   | 0.01    |                    | -0.06   | 0.01    |
| <b>MZTJBK</b>            | <b>0.31</b>        | -1.87   |         | <b>0.09</b>        | -1.06   |         | <b>1.21</b>        | -0.61   |         | <b>0.14</b>        | -0.78   |         | <b>0.16</b>        | -0.43   |         |
|                          |                    | -0.53   | 0.00    |                    | -0.10   | 0.00    |                    | -0.44   | 0.00    |                    | -0.09   | 0.00    |                    | -0.10   | 0.00    |
| <b>UJKXPB</b>            | <b>0.92</b>        | 0.28    | 0.34    | <b>0.22</b>        | 0.27    | 0.00    | <b>1.44</b>        | -0.29   | 0.46    | <b>0.23</b>        | -0.03   | 0.04    | <b>0.26</b>        | 0.00    | 0.46    |
|                          |                    | 0.08    | 0.02    |                    | 0.03    | 0.00    |                    | -0.21   | 0.05    |                    | 0.00    | 0.01    |                    | 0.00    | 0.02    |
| <b>9KRXTW</b>            | <b>0.79</b>        | -0.19   | 1.89    | <b>0.29</b>        | 0.95    | 0.67    | <b>1.40</b>        | -0.34   | 1.84    | <b>0.31</b>        | 0.70    | 0.16    | <b>0.35</b>        | 0.37    | 1.56    |
|                          |                    | -0.05   | 0.10    |                    | 0.09    | 0.03    |                    | -0.25   | 0.21    |                    | 0.08    | 0.02    |                    | 0.09    | 0.05    |
| <b>Grand Median</b>      |                    | 0.84    |         |                    | 0.19    |         |                    | 1.65    |         |                    | 0.23    |         |                    | 0.26    |         |
| <b>Median Abs Dev</b>    |                    | 0.16    |         |                    | 0.04    |         |                    | 0.33    |         |                    | 0.07    |         |                    | 0.07    |         |
| <b>Avg Within Lab SD</b> |                    | 0.05    |         |                    | 0.04    |         |                    | 0.11    |         |                    | 0.13    |         |                    | 0.03    |         |
| <b>Labs Included</b>     |                    | 24      |         |                    | 23      |         |                    | 24      |         |                    | 23      |         |                    | 23      |         |
| <b>Labs Reporting</b>    |                    | 24      |         |                    | 23      |         |                    | 24      |         |                    | 23      |         |                    | 23      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| B-DTPA/Sorbitol (SubTestCode 178) | in the Micronutrients Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: mg/kg |  |
|-----------------------------------|---------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------------|--|
|                                   | SRSSRS1606                            |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                   |  |
| <b>P2ZHHY</b>                     | <b>0.48</b>                           | -0.41 | 0.21 | <b>0.04</b> | -1.14 | 0.06 | <b>1.13</b> | -1.68 | 0.15 | <b>0.04</b> | -0.40 | 0.01 | <b>0.04</b> | -1.23 | 0.05 |                   |  |
|                                   |                                       | -0.08 | 0.01 |             | -0.09 | 0.01 |             | -1.00 | 0.05 |             | -0.06 | 0.00 |             | -0.07 | 0.00 |                   |  |
| <b>2V9A2L</b>                     | <b>0.83</b>                           | 1.46  | 0.10 | <b>0.05</b> | -1.02 | 0.00 | <b>2.65</b> | 0.87  | 0.05 | <b>0.06</b> | -0.21 | 0.02 | <b>0.07</b> | -0.74 | 0.19 |                   |  |
|                                   |                                       | 0.27  | 0.01 |             | -0.08 | 0.00 |             | 0.52  | 0.02 |             | -0.03 | 0.01 |             | -0.04 | 0.01 |                   |  |
| <b>9G9ZXE</b>                     | <b>0.50</b>                           | -0.32 | 0.38 | <b>0.13</b> | -0.04 | 0.13 | <b>2.09</b> | -0.07 | 0.20 | <b>0.10</b> | 0.08  | 0.02 | <b>0.09</b> | -0.30 | 0.19 |                   |  |
|                                   |                                       | -0.06 | 0.02 |             | 0.00  | 0.02 |             | -0.04 | 0.07 |             | 0.01  | 0.01 |             | -0.02 | 0.01 |                   |  |
| <b>NM37AU</b>                     | <b>0.59</b>                           | 0.18  | 0.96 | <b>0.10</b> | -0.43 | 0.21 | <b>2.41</b> | 0.46  | 0.54 | <b>0.16</b> | 0.47  | 0.11 | <b>0.12</b> | 0.15  | 0.88 |                   |  |
|                                   |                                       | 0.03  | 0.05 |             | -0.03 | 0.03 |             | 0.27  | 0.18 |             | 0.06  | 0.04 |             | 0.01  | 0.03 |                   |  |
| <b>LU92FX</b>                     | <b>0.50</b>                           | -0.28 | 2.82 | <b>0.28</b> | 1.96  | 2.86 | <b>1.60</b> | -0.90 | 3.78 | <b>0.93</b> | 6.09  | 3.87 | <b>0.12</b> | 0.21  | 2.04 |                   |  |
|                                   |                                       | -0.05 | 0.16 |             | 0.15  | 0.34 |             | -0.54 | 1.28 |             | 0.83  | 1.41 |             | 0.01  | 0.06 |                   |  |
| <b>PD8M9Q</b>                     | <b>0.66</b>                           | 0.55  | 0.95 | <b>0.14</b> | 0.17  | 0.20 | <b>1.93</b> | -0.34 | 0.22 | <b>0.11</b> | 0.14  | 0.04 | <b>0.11</b> | 0.00  | 0.44 |                   |  |
|                                   |                                       | 0.10  | 0.05 |             | 0.01  | 0.02 |             | -0.20 | 0.08 |             | 0.02  | 0.02 |             | 0.00  | 0.01 |                   |  |
| <b>4XUXCD</b>                     | <b>0.26</b>                           | -1.58 | 0.42 | <b>0.13</b> | 0.04  | 0.49 | <b>1.97</b> | -0.28 | 0.17 | <b>0.13</b> | 0.30  | 0.16 | <b>0.13</b> | 0.37  | 0.96 |                   |  |
|                                   |                                       | -0.29 | 0.02 |             | 0.00  | 0.06 |             | -0.17 | 0.06 |             | 0.04  | 0.06 |             | 0.02  | 0.03 |                   |  |
| <b>HML4ZY</b>                     | <b>0.50</b>                           | -0.30 |      | <b>0.13</b> | 0.04  | 0.49 | <b>2.63</b> | 0.84  | 0.17 | <b>0.07</b> | -0.19 | 0.04 | <b>0.12</b> | 0.10  | 0.96 |                   |  |
|                                   |                                       | -0.06 | 0.00 |             | 0.00  | 0.06 |             | 0.50  | 0.06 |             | -0.03 | 0.02 |             | 0.01  | 0.03 |                   |  |
| <b>6J7BH6</b>                     | <b>0.69</b>                           | 0.74  | 1.01 | <b>0.20</b> | 0.90  | 0.20 | <b>2.26</b> | 0.20  | 0.20 | <b>0.22</b> | 0.92  | 0.02 | <b>0.27</b> | 2.62  | 1.59 |                   |  |
|                                   |                                       | 0.14  | 0.06 |             | 0.07  | 0.02 |             | 0.12  | 0.07 |             | 0.13  | 0.01 |             | 0.16  | 0.05 |                   |  |
| <b>V3RMFD</b>                     | <b>0.56</b>                           | 0.00  | 0.93 | <b>0.14</b> | 0.17  | 0.44 | <b>2.36</b> | 0.38  | 0.16 | <b>0.09</b> | 0.00  | 0.02 | <b>0.15</b> | 0.58  | 1.69 |                   |  |
|                                   |                                       | 0.00  | 0.05 |             | 0.01  | 0.05 |             | 0.23  | 0.05 |             | 0.00  | 0.01 |             | 0.03  | 0.05 |                   |  |
| <b>RF99BG</b>                     | <b>0.59</b>                           | 0.18  | 0.18 | <b>0.09</b> | -0.54 | 0.17 | <b>2.13</b> | 0.00  | 0.17 | <b>0.09</b> | 0.00  | 0.05 | <b>0.09</b> | -0.35 | 0.57 |                   |  |
|                                   |                                       | 0.03  | 0.01 |             | -0.04 | 0.02 |             | 0.00  | 0.06 |             | 0.00  | 0.02 |             | -0.02 | 0.02 |                   |  |
| <b>EJR4AR</b>                     | <b>0.47</b>                           | -0.45 | 0.38 | <b>0.08</b> | -0.60 | 0.05 | <b>2.06</b> | -0.13 | 0.25 | <b>0.06</b> | -0.24 | 0.00 | <b>0.03</b> | -1.30 | 0.19 |                   |  |
|                                   |                                       | -0.08 | 0.02 |             | -0.05 | 0.01 |             | -0.08 | 0.08 |             | -0.03 | 0.00 |             | -0.08 | 0.01 |                   |  |
| <b>XJT9V6</b>                     | <b>0.87</b>                           | 1.70  | 0.39 | <b>0.23</b> | 1.32  | 2.20 | <b>2.84</b> | 1.19  | 0.24 | <b>0.15</b> | 0.39  | 0.01 | <b>0.16</b> | 0.75  | 0.94 |                   |  |
|                                   |                                       | 0.31  | 0.02 |             | 0.10  | 0.26 |             | 0.71  | 0.08 |             | 0.05  | 0.00 |             | 0.05  | 0.03 |                   |  |
| <b>HU3FFL</b>                     | <b>0.43</b>                           | -0.66 | 0.10 |             |       |      | <b>1.02</b> | -1.87 | 0.03 | <b>0.03</b> | -0.45 | 0.00 | <b>0.04</b> | -1.13 | 0.19 |                   |  |
|                                   |                                       | -0.12 | 0.01 |             |       |      |             | -1.11 | 0.01 |             | -0.06 | 0.00 |             | -0.07 | 0.01 |                   |  |
| <b>N6HFCF</b>                     | <b>0.80</b>                           | 1.29  | 1.61 | <b>0.05</b> | -1.06 | 0.35 | <b>2.69</b> | 0.93  | 0.17 | <b>0.06</b> | -0.24 | 0.03 | <b>0.09</b> | -0.27 | 1.12 |                   |  |
|                                   |                                       | 0.24  | 0.09 |             | -0.08 | 0.04 |             | 0.55  | 0.06 |             | -0.03 | 0.01 |             | -0.02 | 0.03 |                   |  |
| <b>Grand Median</b>               |                                       | 0.56  |      |             | 0.13  |      |             | 2.13  |      |             | 0.09  |      |             | 0.11  |      |                   |  |
| <b>Median Abs Dev</b>             |                                       | 0.08  |      |             | 0.04  |      |             | 0.27  |      |             | 0.03  |      |             | 0.02  |      |                   |  |
| <b>Avg Within Lab SD</b>          |                                       | 0.06  |      |             | 0.12  |      |             | 0.34  |      |             | 0.37  |      |             | 0.03  |      |                   |  |
| <b>Labs Included</b>              |                                       | 15    |      |             | 14    |      |             | 15    |      |             | 15    |      |             | 15    |      |                   |  |
| <b>Labs Reporting</b>             |                                       | 15    |      |             | 14    |      |             | 15    |      |             | 15    |      |             | 15    |      |                   |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil Kjeldahl N (SubTestCode 179) | in the Soil Organic Matter Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|-----------------------------------|--|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|                                   | SRSSRS1606                                 |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610          |       |      |
| <b>2V9A2L</b>                     | <b>0.10</b>                                | -0.21 | 0.09 | <b>0.11</b> | -0.44 | 0.20 | <b>0.14</b> | -0.16 | 0.15 | <b>0.06</b> | -0.06 | 0.32 | <b>0.07</b>         | -0.24 | 0.06 |
|                                   |  | -0.01 | 0.00 |             | -0.01 | 0.00 |             | 0.00  | 0.00 |             | 0.00  | 0.00 |                     | -0.01 | 0.00 |
| <b>QHLKDT</b>                     | <b>0.09</b>                                | -0.70 | 2.62 | <b>0.09</b> | -0.93 | 2.45 | <b>0.12</b> | -0.55 | 2.00 | <b>0.05</b> | -0.70 | 1.73 | <b>0.06</b>         | -0.67 | 0.78 |
|                                   |  | -0.02 | 0.02 |             | -0.02 | 0.02 |             | -0.02 | 0.02 |             | -0.02 | 0.01 |                     | -0.02 | 0.01 |
| <b>47JL8F</b>                     | <b>0.08</b>                                | -0.79 | 1.87 | <b>0.08</b> | -1.37 | 1.62 | <b>0.12</b> | -0.71 | 1.48 | <b>0.05</b> | -0.70 | 2.16 | <b>0.06</b>         | -0.57 | 0.66 |
|                                   |  | -0.02 | 0.01 |             | -0.03 | 0.01 |             | -0.02 | 0.02 |             | -0.02 | 0.01 |                     | -0.01 | 0.01 |
| <b>NM37AU</b>                     | <b>0.08</b>                                | -1.14 | 0.39 | <b>0.09</b> | -1.19 | 1.42 | <b>0.11</b> | -0.85 | 0.79 | <b>0.03</b> | -1.63 | 0.81 | <b>0.04</b>         | -1.30 | 0.24 |
|                                   |  | -0.03 | 0.00 |             | -0.03 | 0.01 |             | -0.03 | 0.01 |             | -0.04 | 0.00 |                     | -0.03 | 0.00 |
| <b>LU92FX</b>                     | <b>0.17</b>                                | 2.40  | 0.84 | <b>0.13</b> | 0.66  | 0.00 | <b>0.21</b> | 2.35  | 1.12 | <b>0.11</b> | 2.13  | 0.00 | <b>0.10</b>         | 0.84  | 0.45 |
|                                   |  | 0.07  | 0.01 |             | 0.01  | 0.00 |             | 0.07  | 0.01 |             | 0.05  | 0.00 |                     | 0.02  | 0.01 |
| <b>PD8M9Q</b>                     | <b>0.11</b>                                | 0.18  | 0.37 | <b>0.12</b> | 0.17  | 0.33 | <b>0.13</b> | -0.34 | 1.61 | <b>0.07</b> | 0.16  | 1.10 | <b>0.13</b>         | 2.06  | 3.21 |
|                                   |  | 0.01  | 0.00 |             | 0.00  | 0.00 |             | -0.01 | 0.02 |             | 0.00  | 0.01 |                     | 0.05  | 0.04 |
| <b>Z9LAXF</b>                     | <b>0.13</b>                                | 0.84  | 0.00 | <b>0.14</b> | 1.26  | 0.73 | <b>0.15</b> | 0.42  | 0.56 | <b>0.10</b> | 1.51  | 1.24 | <b>0.11</b>         | 1.52  | 0.45 |
|                                   |  | 0.02  | 0.00 |             | 0.03  | 0.01 |             | 0.01  | 0.01 |             | 0.03  | 0.01 |                     | 0.04  | 0.01 |
| <b>XD4VUG</b>                     | <b>0.11</b>                                | 0.18  | 0.30 | <b>0.12</b> | 0.19  | 0.07 | <b>0.15</b> | 0.41  | 0.17 | <b>0.06</b> | 0.00  | 0.12 | <b>0.08</b>         | 0.13  | 0.08 |
|                                   |  | 0.01  | 0.00 |             | 0.00  | 0.00 |             | 0.01  | 0.00 |             | 0.00  | 0.00 |                     | 0.00  | 0.00 |
| <b>BX698W</b>                     | <b>0.10</b>                                | -0.12 | 0.08 | <b>0.11</b> | -0.17 | 0.07 | <b>0.15</b> | 0.16  | 0.24 | <b>0.06</b> | 0.00  | 0.12 | <b>0.08</b>         | -0.01 | 0.22 |
|                                   |  | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.00  | 0.00 |                     | 0.00  | 0.00 |
| <b>4TXAV7</b>                     | <b>0.12</b>                                | 0.48  |      | <b>0.13</b> | 0.84  |      | <b>0.17</b> | 0.95  |      | <b>0.08</b> | 0.54  |      | <b>0.08</b>         | 0.01  |      |
|                                   |  | 0.01  | 0.00 |             | 0.02  | 0.00 |             | 0.03  | 0.00 |             | 0.01  | 0.00 |                     | 0.00  | 0.00 |
| <b>GPT3XM</b>                     | <b>0.08</b>                                | -0.93 | 0.72 | <b>0.10</b> | -0.65 | 0.81 | <b>0.11</b> | -0.89 | 0.98 | <b>0.05</b> | -0.51 | 0.90 | <b>0.06</b>         | -0.60 | 0.38 |
|                                   |  | -0.03 | 0.00 |             | -0.01 | 0.01 |             | -0.03 | 0.01 |             | -0.01 | 0.00 |                     | -0.01 | 0.00 |
| <b>D79YPQ</b>                     | <b>0.11</b>                                | 0.12  | 0.00 | <b>0.12</b> | 0.22  | 0.00 | <b>0.15</b> | 0.31  | 0.00 | <b>0.07</b> | 0.17  | 0.00 | <b>0.08</b>         | 0.14  | 0.04 |
|                                   |  | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.01  | 0.00 |             | 0.00  | 0.00 |                     | 0.00  | 0.00 |
| <b>Grand Median</b>               |  | 0.11  |      | 0.12        |       |      | 0.14        |       |      | 0.064       |       |      | 0.076               |       |      |
| <b>Median Abs Dev</b>             |  | 0.02  |      | 0.01        |       |      | 0.02        |       |      | 0.011       |       |      | 0.015               |       |      |
| <b>Avg Within Lab SD</b>          |  | 0.01  |      | 0.01        |       |      | 0.01        |       |      | 0.005       |       |      | 0.013               |       |      |
| <b>Labs Included</b>              |  | 12    |      | 12          |       |      | 12          |       |      | 12          |       |      | 12                  |       |      |
| <b>Labs Reporting</b>             |  | 12    |      | 12          |       |      | 12          |       |      | 12          |       |      | 12                  |       |      |





## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil TN (combustion) (SubTestCode 180) | in the Soil Organic Matter Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: Percent |
|--|--|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|
|  | SRSSRS1606                                 |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                     |
| <b>P2ZHHY</b>                          | <b>0.12</b>                                | 0.66  | 0.74 | <b>0.13</b> | 0.20  | 0.05 | <b>0.16</b> | 0.41  | 0.00 | <b>0.07</b> | 0.18  | 0.78 | <b>0.08</b> | 0.08  | 0.86 |                     |
|  |  | 0.01  | 0.01 |             | 0.01  | 0.01 |             | 0.01  | 0.00 |             | 0.00  | 0.01 |             | 0.00  | 0.01 |                     |
|  |  | 1.02  | 0.20 |             | 0.24  | 0.01 |             | 0.73  | 0.23 |             | 0.33  | 0.41 |             | 0.14  | 0.70 |                     |
| <b>2V9A2L</b>                          | <b>0.13</b>                                | 0.02  | 0.00 | <b>0.13</b> | 0.01  | 0.00 | <b>0.17</b> | 0.01  | 0.00 | <b>0.08</b> | 0.01  | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | 0.55  | 1.51 |             | 0.31  | 0.03 |             | 0.52  | 0.15 |             | 0.62  | 1.28 |             | 0.86  | 0.93 |                     |
| <b>9G9ZXE</b>                          | <b>0.12</b>                                | 0.01  | 0.01 | <b>0.13</b> | 0.01  | 0.00 | <b>0.16</b> | 0.01  | 0.00 | <b>0.08</b> | 0.01  | 0.01 | <b>0.10</b> | 0.02  | 0.01 |                     |
|  |  | 0.01  | 0.66 |             | 0.00  | 0.02 |             | 0.38  | 0.67 |             | -0.02 | 0.48 |             | 0.04  | 0.45 |                     |
| <b>7LQLUF</b>                          | <b>0.11</b>                                | 0.00  | 0.01 | <b>0.12</b> | 0.00  | 0.00 | <b>0.16</b> | 0.01  | 0.00 | <b>0.07</b> | 0.00  | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | -0.02 | 0.07 |             | -0.29 | 0.01 |             | -0.37 | 0.06 |             | -0.19 | 0.13 |             | -0.04 | 0.10 |                     |
| <b>ETFYA8</b>                          | <b>0.11</b>                                | 0.00  | 0.00 | <b>0.11</b> | -0.01 | 0.00 | <b>0.15</b> | -0.01 | 0.00 | <b>0.07</b> | 0.00  | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | 2.85  | 1.48 |             | 0.71  | 0.05 |             | 1.70  | 0.85 |             | 1.39  | 0.00 |             | 1.05  | 0.86 |                     |
| <b>LU92FX</b>                          | <b>0.17</b>                                | 0.06  | 0.01 | <b>0.15</b> | 0.03  | 0.01 | <b>0.18</b> | 0.03  | 0.01 | <b>0.10</b> | 0.03  | 0.00 | <b>0.11</b> | 0.03  | 0.01 |                     |
|  |  | 2.17  | 1.48 |             | 7.38  | 4.22 |             | 1.88  | 3.41 |             | 2.16  | 3.38 |             | 2.44  | 2.98 |                     |
| <b>PD8M9Q</b>                          | <b>0.15</b>                                | 0.04  | 0.01 | <b>0.41</b> | 0.29  | 0.46 | <b>0.19</b> | 0.03  | 0.02 | <b>0.12</b> | 0.05  | 0.03 | <b>0.14</b> | 0.06  | 0.02 |                     |
|  |  | 0.24  | 0.22 |             | 0.19  | 0.01 |             | 0.23  | 0.31 |             | 0.28  | 0.47 |             | 0.07  | 0.00 |                     |
| <b>HML4ZY</b>                          | <b>0.12</b>                                | 0.00  | 0.00 | <b>0.13</b> | 0.01  | 0.00 | <b>0.16</b> | 0.00  | 0.00 | <b>0.08</b> | 0.01  | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | -0.29 | 0.58 |             | -0.23 | 0.01 |             | -0.41 | 0.30 |             | -0.24 | 0.21 |             | -0.17 | 0.23 |                     |
| <b>E8KYJY</b>                          | <b>0.10</b>                                | -0.01 | 0.00 | <b>0.11</b> | -0.01 | 0.00 | <b>0.15</b> | -0.01 | 0.00 | <b>0.06</b> | -0.01 | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | 0.18  | 0.71 |             | 0.00  | 0.02 |             | -0.14 | 0.39 |             | 0.33  | 0.61 |             | -0.17 | 0.09 |                     |
| <b>XD4VUG</b>                          | <b>0.11</b>                                | 0.00  | 0.01 | <b>0.12</b> | 0.00  | 0.00 | <b>0.15</b> | 0.00  | 0.00 | <b>0.08</b> | 0.01  | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | -0.01 | 0.00 |             | -0.39 | 0.05 |             | -0.14 | 0.00 |             | 0.02  | 0.00 |             | 1.05  | 0.86 |                     |
| <b>YXPMTD</b>                          | <b>0.11</b>                                | 0.00  | 0.00 | <b>0.10</b> | -0.02 | 0.01 | <b>0.15</b> | 0.00  | 0.00 | <b>0.07</b> | 0.00  | 0.00 | <b>0.11</b> | 0.03  | 0.01 |                     |
|  |  | -1.21 | 2.14 |             | -0.58 | 0.35 |             | -1.68 | 0.31 |             | -3.03 |      |             | -3.25 | 0.11 |                     |
| <b>YNEK8D</b>                          | <b>0.09</b>                                | -0.02 | 0.02 | <b>0.10</b> | -0.02 | 0.04 | <b>0.12</b> | -0.03 | 0.00 | <b>0.00</b> | -0.07 | 0.00 | <b>0.00</b> | -0.08 | 0.00 |                     |
|  |  | -0.19 | 0.64 |             | -0.28 | 0.02 |             | -0.58 | 1.15 |             | -0.48 | 0.13 |             | -0.54 | 1.28 |                     |
| <b>BX698W</b>                          | <b>0.11</b>                                | 0.00  | 0.01 | <b>0.11</b> | -0.01 | 0.00 | <b>0.14</b> | -0.01 | 0.01 | <b>0.06</b> | -0.01 | 0.00 | <b>0.07</b> | -0.01 | 0.01 |                     |
|  |  | -0.11 |      |             | 0.03  |      |             | 0.14  |      |             | -0.39 |      |             | -0.39 |      |                     |
| <b>4TXAV7</b>                          | <b>0.11</b>                                | 0.00  | 0.00 | <b>0.12</b> | 0.00  | 0.00 | <b>0.16</b> | 0.00  | 0.00 | <b>0.06</b> | -0.01 | 0.00 | <b>0.07</b> | -0.01 | 0.00 |                     |
|  |  | -0.51 | 0.00 |             | -0.47 | 0.00 |             | -1.24 | 0.00 |             | -0.43 | 0.00 |             | -0.47 | 0.00 |                     |
| <b>ACVHGX</b>                          | <b>0.10</b>                                | -0.01 | 0.00 | <b>0.10</b> | -0.02 | 0.00 | <b>0.13</b> | -0.02 | 0.00 | <b>0.06</b> | -0.01 | 0.00 | <b>0.07</b> | -0.01 | 0.00 |                     |
|  |  | -1.12 | 1.64 |             | -0.38 | 0.10 |             | -1.20 | 1.56 |             | -0.62 | 0.48 |             | -0.40 | 0.82 |                     |
| <b>MZTJBK</b>                          | <b>0.09</b>                                | -0.02 | 0.01 | <b>0.10</b> | -0.02 | 0.01 | <b>0.13</b> | -0.02 | 0.01 | <b>0.06</b> | -0.01 | 0.00 | <b>0.07</b> | -0.01 | 0.01 |                     |
|  |  | -0.11 | 0.09 |             | -0.30 | 0.00 |             | -0.24 | 0.18 |             | -0.22 | 0.21 |             | -0.10 | 0.12 |                     |
| <b>6UNU32</b>                          | <b>0.11</b>                                | 0.00  | 0.00 | <b>0.11</b> | -0.01 | 0.00 | <b>0.15</b> | 0.00  | 0.00 | <b>0.06</b> | 0.00  | 0.00 | <b>0.08</b> | 0.00  | 0.00 |                     |
|  |  | 0.90  | 1.33 |             | 0.14  | 0.12 |             | 0.16  | 0.95 |             | 1.21  | 1.72 |             | 0.88  | 1.71 |                     |
| <b>N6HFCF</b>                          | <b>0.13</b>                                | 0.02  | 0.01 | <b>0.12</b> | 0.01  | 0.01 | <b>0.16</b> | 0.00  | 0.01 | <b>0.10</b> | 0.03  | 0.01 | <b>0.10</b> | 0.02  | 0.01 |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>Grand Median</b>      |                    | 0.11    |         |                    | 0.12    |         |                    | 0.15    |         |                    | 0.070   |         |                    | 0.081   |         |
| <b>Median Abs Dev</b>    |                    | 0.01    |         |                    | 0.01    |         |                    | 0.01    |         |                    | 0.008   |         |                    | 0.010   |         |
| <b>Avg Within Lab SD</b> |                    | 0.01    |         |                    | 0.11    |         |                    | 0.01    |         |                    | 0.007   |         |                    | 0.007   |         |
| <b>Labs Included</b>     |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |
| <b>Labs Reporting</b>    |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |                    | 18      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil TOC (Combustion) (SubTestCode 181) | in the Soil Organic Matter Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|---|--|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|   | SRSSRS1606                                 |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610          |       |      |
| <b>P2ZHHY</b>                           | <b>1.20</b>                                | 0.50  | 0.18 | <b>1.46</b> | 0.30  | 0.16 | <b>1.26</b> | -1.19 | 0.05 | <b>1.15</b> | -0.17 | 0.25 | <b>0.88</b>         | -0.12 | 0.14 |
|   |  | 0.07  | 0.01 |             | 0.04  | 0.03 |             | -1.13 | 0.01 |             | -0.07 | 0.03 |                     | -0.03 | 0.01 |
| <b>2V9A2L</b>                           | <b>1.23</b>                                | 0.70  | 0.23 | <b>1.49</b> | 0.49  | 0.12 | <b>2.83</b> | 0.47  | 0.10 | <b>1.29</b> | 0.19  | 0.57 | <b>0.94</b>         | 0.13  | 0.70 |
|   |  | 0.10  | 0.02 |             | 0.07  | 0.03 |             | 0.44  | 0.03 |             | 0.07  | 0.06 |                     | 0.04  | 0.03 |
| <b>9G9ZXE</b>                           |  |       |      | <b>1.41</b> | -0.08 | 0.09 |             |       |      | <b>1.18</b> | -0.09 | 1.05 | <b>0.89</b>         | -0.07 | 0.63 |
|   |  |       |      |             | -0.01 | 0.02 |             |       |      |             | -0.04 | 0.11 |                     | -0.02 | 0.03 |
| <b>ETFYA8</b>                           | <b>1.11</b>                                | -0.07 | 0.02 | <b>1.40</b> | -0.12 | 0.02 | <b>1.69</b> | -0.74 | 0.04 | <b>1.14</b> | -0.19 | 0.02 | <b>0.85</b>         | -0.21 | 0.04 |
|   |  | -0.01 | 0.00 |             | -0.02 | 0.00 |             | -0.70 | 0.01 |             | -0.07 | 0.00 |                     | -0.06 | 0.00 |
| <b>Z9LAXF</b>                           | <b>0.87</b>                                | -1.76 | 0.77 | <b>1.43</b> | 0.08  | 0.26 | <b>1.20</b> | -1.25 | 0.00 | <b>1.10</b> | -0.31 | 0.00 | <b>0.80</b>         | -0.39 | 0.00 |
|   |  | -0.26 | 0.06 |             | 0.01  | 0.06 |             | -1.19 | 0.00 |             | -0.12 | 0.00 |                     | -0.11 | 0.00 |
| <b>E8KYJY</b>                           | <b>1.19</b>                                | 0.47  | 0.04 | <b>1.48</b> | 0.44  | 0.01 | <b>2.80</b> | 0.43  | 0.01 | <b>1.28</b> | 0.15  | 0.14 | <b>0.93</b>         | 0.07  | 0.14 |
|   |  | 0.07  | 0.00 |             | 0.06  | 0.00 |             | 0.41  | 0.00 |             | 0.06  | 0.01 |                     | 0.02  | 0.01 |
| <b>XD4VUG</b>                           | <b>1.26</b>                                | 0.93  | 0.07 | <b>1.58</b> | 1.11  | 0.04 | <b>3.07</b> | 0.71  | 0.06 | <b>1.33</b> | 0.30  | 0.26 | <b>0.93</b>         | 0.09  | 0.20 |
|   |  | 0.14  | 0.01 |             | 0.16  | 0.01 |             | 0.68  | 0.02 |             | 0.12  | 0.03 |                     | 0.02  | 0.01 |
| <b>F4VC3W</b>                           | <b>1.09</b>                                | -0.23 | 0.33 | <b>1.47</b> | 0.34  | 0.03 | <b>1.38</b> | -1.06 | 0.02 | <b>1.12</b> | -0.25 | 0.92 | <b>0.74</b>         | -0.60 | 0.27 |
|   |  | -0.03 | 0.03 |             | 0.05  | 0.01 |             | -1.01 | 0.01 |             | -0.10 | 0.10 |                     | -0.16 | 0.01 |
| <b>YXPMTD</b>                           | <b>1.12</b>                                | 0.00  | 0.08 | <b>1.39</b> | -0.25 | 0.05 | <b>2.73</b> | 0.36  | 0.09 | <b>1.25</b> | 0.09  | 0.22 | <b>0.98</b>         | 0.27  | 0.99 |
|   |  | 0.00  | 0.01 |             | -0.04 | 0.01 |             | 0.35  | 0.03 |             | 0.04  | 0.02 |                     | 0.07  | 0.04 |
| <b>YNEK8D</b>                           | <b>1.35</b>                                | 1.58  | 0.08 | <b>2.01</b> | 4.16  | 3.60 | <b>2.39</b> | 0.00  | 3.54 | <b>1.29</b> | 0.19  | 1.95 | <b>1.06</b>         | 0.55  | 2.13 |
|   |  | 0.23  | 0.01 |             | 0.59  | 0.79 |             | 0.00  | 0.98 |             | 0.07  | 0.20 |                     | 0.15  | 0.09 |
| <b>4TXAV7</b>                           | <b>0.96</b>                                | -1.13 |      | <b>1.30</b> | -0.86 |      | <b>1.45</b> | -0.99 |      | <b>1.07</b> | -0.38 |      | <b>0.84</b>         | -0.25 |      |
|   |  | -0.17 | 0.00 |             | -0.12 | 0.00 |             | -0.94 | 0.00 |             | -0.15 | 0.00 |                     | -0.07 | 0.00 |
| <b>ACVHGX</b>                           | <b>1.11</b>                                | -0.09 | 0.00 | <b>1.37</b> | -0.36 | 0.00 | <b>2.75</b> | 0.38  |      | <b>3.49</b> | 5.87  | 0.00 | <b>2.58</b>         | 6.06  | 0.00 |
|   |  | -0.01 | 0.00 |             | -0.05 | 0.00 |             | 0.36  | 0.00 |             | 2.27  | 0.00 |                     | 1.67  | 0.00 |
| <b>MZTJBK</b>                           | <b>1.03</b>                                | -0.63 | 0.19 | <b>1.40</b> | -0.16 | 0.10 | <b>2.72</b> | 0.35  | 0.07 | <b>1.05</b> | -0.42 | 0.32 | <b>0.85</b>         | -0.22 | 0.33 |
|   |  | -0.09 | 0.01 |             | -0.02 | 0.02 |             | 0.33  | 0.02 |             | -0.16 | 0.03 |                     | -0.06 | 0.01 |
| <b>N6HFCF</b>                           | <b>1.22</b>                                | 0.67  | 3.49 | <b>1.32</b> | -0.69 | 0.94 | <b>1.58</b> | -0.85 | 0.66 | <b>1.54</b> | 0.84  | 2.76 | <b>1.02</b>         | 0.41  | 2.71 |
|   |  | 0.10  | 0.26 |             | -0.10 | 0.21 |             | -0.81 | 0.18 |             | 0.33  | 0.29 |                     | 0.11  | 0.11 |
| <b>Grand Median</b>                     |  | 1.12  |      |             | 1.42  |      |             | 2.39  |      |             | 1.22  |      |                     | 0.91  |      |
| <b>Median Abs Dev</b>                   |  | 0.09  |      |             | 0.05  |      |             | 0.68  |      |             | 0.08  |      |                     | 0.07  |      |
| <b>Avg Within Lab SD</b>                |  | 0.07  |      |             | 0.22  |      |             | 0.28  |      |             | 0.11  |      |                     | 0.04  |      |
| <b>Labs Included</b>                    |  | 13    |      |             | 14    |      |             | 13    |      |             | 14    |      |                     | 14    |      |
| <b>Labs Reporting</b>                   |  | 13    |      |             | 14    |      |             | 13    |      |             | 14    |      |                     | 14    |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SOM - Walkley-Black (SubTestCode 182) | in the Soil Organic Matter Property Groups |       |      |            |       |      |            |       |      |            |       |      |            |       |      | Data units: Percent |
|---------------------------------------|--|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|---------------------|
|                                       | SRSSRS1606                                 |       |      | SRSSRS1607 |       |      | SRSSRS1608 |       |      | SRSSRS1609 |       |      | SRSSRS1610 |       |      |                     |
| 2V9A2L                                | 1.95                                       | 0.98  | 0.11 | 2.84       | 0.45  | 0.15 | 2.61       | 0.03  | 0.09 | 2.17       | 0.25  | 0.71 | 1.79       | 0.62  | 0.55 |                     |
|                                       |  | 0.25  | 0.03 |            | 0.26  | 0.04 |            | 0.02  | 0.01 |            | 0.13  | 0.08 |            | 0.22  | 0.06 |                     |
| QHLKDT                                | 1.46                                       | -0.95 | 0.29 | 3.62       | 1.84  | 2.05 | 2.59       | 0.00  | 1.77 | 2.90       | 1.67  | 1.37 | 3.35       | 4.92  | 3.10 |                     |
|                                       |  | -0.24 | 0.09 |            | 1.04  | 0.48 |            | 0.00  | 0.20 |            | 0.86  | 0.15 |            | 1.78  | 0.34 |                     |
| Z9LAXF                                | 1.57                                       | -0.52 | 1.20 | 3.23       | 1.16  | 0.89 | 2.87       | 0.50  | 0.52 | 1.80       | -0.47 | 2.49 | 1.40       | -0.47 | 0.91 |                     |
|                                       |  | -0.13 | 0.38 |            | 0.65  | 0.21 |            | 0.27  | 0.06 |            | -0.24 | 0.26 |            | -0.17 | 0.10 |                     |
| 3HG3JC                                | 1.75                                       | 0.20  |      | 1.83       | -1.33 |      | 2.27       | -0.59 |      | 1.83       | -0.41 |      | 1.50       | -0.19 |      |                     |
|                                       |  | 0.05  | 0.00 |            | -0.75 | 0.00 |            | -0.32 | 0.00 |            | -0.21 | 0.00 |            | -0.07 | 0.00 |                     |
| E8KYJY                                | 1.76                                       | 0.22  | 0.05 | 2.49       | -0.16 | 0.09 | 2.46       | -0.24 | 0.18 | 2.04       | 0.00  | 0.38 | 1.57       | 0.00  | 0.57 |                     |
|                                       |  | 0.06  | 0.02 |            | -0.09 | 0.02 |            | -0.13 | 0.02 |            | 0.00  | 0.04 |            | 0.00  | 0.06 |                     |
| 2ZLAYD                                | 1.56                                       | -0.56 | 0.02 | 1.95       | -1.12 | 0.09 | 4.32       | 3.15  | 0.00 | 1.60       | -0.87 | 0.71 | 1.18       | -1.08 | 0.09 |                     |
|                                       |  | -0.14 | 0.01 |            | -0.63 | 0.02 |            | 1.73  | 0.00 |            | -0.45 | 0.08 |            | -0.39 | 0.01 |                     |
| 2RDHVB                                | 1.87                                       | 0.65  | 0.19 | 2.66       | 0.14  | 0.55 | 2.58       | -0.02 | 1.18 | 2.29       | 0.48  | 2.37 | 1.76       | 0.53  | 0.77 |                     |
|                                       |  | 0.17  | 0.06 |            | 0.08  | 0.13 |            | -0.01 | 0.13 |            | 0.25  | 0.25 |            | 0.19  | 0.09 |                     |
| 3B3GB8                                | 2.40                                       | 2.74  | 0.32 | 3.57       | 1.75  | 0.25 | 3.40       | 1.47  | 0.90 | 1.57       | -0.92 | 0.54 | 1.77       | 0.54  | 0.52 |                     |
|                                       |  | 0.70  | 0.10 |            | 0.99  | 0.06 |            | 0.81  | 0.10 |            | -0.48 | 0.06 |            | 0.20  | 0.06 |                     |
| YNEK8D                                | 1.47                                       | -0.91 | 3.82 | 3.03       | 0.79  | 0.64 | 3.26       | 1.21  | 0.19 | 2.44       | 0.76  | 0.32 | 2.01       | 1.22  | 0.33 |                     |
|                                       |  | -0.23 | 1.20 |            | 0.45  | 0.15 |            | 0.66  | 0.02 |            | 0.39  | 0.03 |            | 0.44  | 0.04 |                     |
| BX698W                                | 1.76                                       | 0.24  | 0.13 | 2.48       | -0.17 | 0.24 | 2.47       | -0.22 | 0.05 | 2.12       | 0.15  | 0.50 | 1.53       | -0.10 | 0.55 |                     |
|                                       |  | 0.06  | 0.04 |            | -0.10 | 0.06 |            | -0.12 | 0.01 |            | 0.08  | 0.05 |            | -0.04 | 0.06 |                     |
| K4H7TN                                | 1.37                                       | -1.31 | 0.18 | 2.13       | -0.79 | 0.49 | 2.17       | -0.78 | 0.52 | 1.67       | -0.73 | 0.54 | 1.67       | 0.27  | 0.52 |                     |
|                                       |  | -0.33 | 0.06 |            | -0.45 | 0.12 |            | -0.43 | 0.06 |            | -0.38 | 0.06 |            | 0.10  | 0.06 |                     |
| 4TXAV7                                | 1.62                                       | -0.31 |      | 2.18       | -0.71 |      | 2.20       | -0.72 |      | 1.72       | -0.63 |      | 1.31       | -0.72 |      |                     |
|                                       |  | -0.08 | 0.00 |            | -0.40 | 0.00 |            | -0.39 | 0.00 |            | -0.32 | 0.00 |            | -0.26 | 0.00 |                     |
| EJR4AR                                | 1.70                                       | 0.00  | 0.00 | 2.90       | 0.57  | 2.97 | 2.53       | -0.11 | 0.52 | 2.07       | 0.05  | 0.54 | 1.70       | 0.36  | 0.00 |                     |
|                                       |  | 0.00  | 0.00 |            | 0.32  | 0.69 |            | -0.06 | 0.06 |            | 0.02  | 0.06 |            | 0.13  | 0.00 |                     |
| 6UNU32                                | 1.90                                       | 0.77  | 0.06 | 2.44       | -0.25 | 0.06 | 3.61       | 1.87  | 0.61 | 2.10       | 0.11  | 0.71 | 1.56       | -0.04 | 1.01 |                     |
|                                       |  | 0.20  | 0.02 |            | -0.14 | 0.01 |            | 1.02  | 0.07 |            | 0.06  | 0.08 |            | -0.01 | 0.11 |                     |
| GPT3XM                                | 1.65                                       | -0.20 | 0.19 | 2.71       | 0.23  | 0.23 | 2.73       | 0.26  | 0.49 | 2.25       | 0.40  | 0.43 | 1.52       | -0.14 | 1.21 |                     |
|                                       |  | -0.05 | 0.06 |            | 0.13  | 0.05 |            | 0.14  | 0.05 |            | 0.21  | 0.05 |            | -0.05 | 0.13 |                     |
| D79YPQ                                | 1.78                                       | 0.33  | 0.10 | 2.56       | -0.03 | 0.26 | 2.62       | 0.05  | 0.46 | 1.91       | -0.25 | 0.38 | 1.56       | -0.03 | 0.96 |                     |
|                                       |  | 0.08  | 0.03 |            | -0.02 | 0.06 |            | 0.03  | 0.05 |            | -0.13 | 0.04 |            | -0.01 | 0.11 |                     |
| XJT9V6                                | 1.55                                       | -0.57 | 0.78 | 2.58       | 0.00  | 1.41 | 2.47       | -0.23 | 3.16 | 0.34       | -3.31 | 0.30 | 1.66       | 0.25  | 0.98 |                     |
|                                       |  | -0.15 | 0.24 |            | 0.00  | 0.33 |            | -0.13 | 0.35 |            | -1.71 | 0.03 |            | 0.09  | 0.11 |                     |
| <b>Grand Median</b>                   |  | 1.70  |      |            | 2.58  |      |            | 2.59  |      |            | 2.04  |      |            | 1.57  |      |                     |
| <b>Median Abs Dev</b>                 |  | 0.14  |      |            | 0.32  |      |            | 0.14  |      |            | 0.24  |      |            | 0.13  |      |                     |
| <b>Avg Within Lab SD</b>              |  | 0.31  |      |            | 0.23  |      |            | 0.11  |      |            | 0.11  |      |            | 0.11  |      |                     |
| <b>Labs Included</b>                  |  | 17    |      |            | 17    |      |            | 17    |      |            | 17    |      |            | 17    |      |                     |
| <b>Labs Reporting</b>                 |  | 17    |      |            | 17    |      |            | 17    |      |            | 17    |      |            | 17    |      |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SOM - LOI ( % Wt loss) (SubTestCode 183) | in the Soil Organic Matter Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|--|--|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|  | SRSSRS1606                                 |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610          |       |      |
| <b>UJH8JT</b>                            | <b>2.13</b>                                | -0.70 | 0.34 | <b>2.74</b> | -0.47 | 0.40 | <b>2.52</b> | -0.92 | 0.12 | <b>2.31</b> | -0.39 | 0.59 | <b>1.37</b>         | -1.52 | 0.11 |
|  |  | -0.33 | 0.04 |             | -0.09 | 0.04 |             | -0.91 | 0.06 |             | -0.10 | 0.05 |                     | -0.26 | 0.01 |
| <b>ETFYA8</b>                            | <b>2.38</b>                                | -0.17 | 0.15 | <b>2.81</b> | -0.13 | 0.07 | <b>2.78</b> | -0.66 | 0.03 | <b>2.39</b> | -0.07 | 0.25 | <b>1.66</b>         | 0.19  | 0.21 |
|  |  | -0.08 | 0.02 |             | -0.03 | 0.01 |             | -0.66 | 0.01 |             | -0.02 | 0.02 |                     | 0.03  | 0.02 |
| <b>WN8QDL</b>                            | <b>2.24</b>                                | -0.46 | 0.17 | <b>2.52</b> | -1.63 | 0.39 | <b>2.37</b> | -1.08 | 0.07 | <b>2.20</b> | -0.82 | 0.31 | <b>1.49</b>         | -0.85 | 0.42 |
|  |  | -0.21 | 0.02 |             | -0.31 | 0.04 |             | -1.07 | 0.03 |             | -0.22 | 0.02 |                     | -0.14 | 0.04 |
| <b>WPJ78M</b>                            | <b>2.90</b>                                | 0.95  | 0.94 | <b>3.10</b> | 1.39  | 1.98 | <b>3.43</b> | 0.00  | 0.25 | <b>2.63</b> | 0.83  | 1.97 | <b>1.77</b>         | 0.80  | 0.61 |
|  |  | 0.44  | 0.10 |             | 0.27  | 0.20 |             | 0.00  | 0.12 |             | 0.22  | 0.15 |                     | 0.14  | 0.06 |
| <b>QHLKDT</b>                            | <b>2.73</b>                                | 0.59  | 0.54 | <b>3.03</b> | 1.04  | 1.14 | <b>3.30</b> | -0.13 | 0.22 | <b>2.60</b> | 0.71  | 1.29 | <b>1.80</b>         | 0.99  | 1.06 |
|  |  | 0.28  | 0.06 |             | 0.20  | 0.12 |             | -0.13 | 0.10 |             | 0.19  | 0.10 |                     | 0.17  | 0.10 |
| <b>NM37AU</b>                            | <b>2.62</b>                                | 0.35  | 0.90 | <b>2.97</b> | 0.70  | 0.58 | <b>4.54</b> | 1.11  | 0.26 | <b>2.51</b> | 0.38  | 0.71 | <b>1.69</b>         | 0.33  | 0.34 |
|  |  | 0.16  | 0.10 |             | 0.13  | 0.06 |             | 1.10  | 0.12 |             | 0.10  | 0.06 |                     | 0.06  | 0.03 |
| <b>PDR4NU</b>                            | <b>2.27</b>                                | -0.41 | 1.09 | <b>2.90</b> | 0.35  | 1.71 | <b>2.30</b> | -1.14 | 0.22 | <b>4.07</b> | 6.25  | 2.69 | <b>1.73</b>         | 0.60  | 0.61 |
|  |  | -0.19 | 0.12 |             | 0.07  | 0.17 |             | -1.13 | 0.10 |             | 1.65  | 0.21 |                     | 0.10  | 0.06 |
| <b>LU92FX</b>                            | <b>2.93</b>                                | 1.01  | 0.55 | <b>2.78</b> | -0.26 | 0.80 | <b>3.86</b> | 0.43  | 0.91 | <b>2.73</b> | 1.21  | 1.20 | <b>1.61</b>         | -0.10 | 1.78 |
|  |  | 0.47  | 0.06 |             | -0.05 | 0.08 |             | 0.43  | 0.42 |             | 0.32  | 0.09 |                     | -0.02 | 0.17 |
| <b>WP3AEN</b>                            | <b>1.55</b>                                | -1.94 | 1.63 | <b>2.92</b> | 0.47  | 2.57 | <b>1.53</b> | -1.92 | 0.46 | <b>2.51</b> | 0.38  | 2.90 | <b>1.63</b>         | 0.02  | 5.00 |
|  |  | -0.91 | 0.17 |             | 0.09  | 0.26 |             | -1.90 | 0.21 |             | 0.10  | 0.22 |                     | 0.00  | 0.47 |
| <b>9JB2YB</b>                            | <b>2.41</b>                                | -0.11 | 0.36 | <b>2.87</b> | 0.21  | 0.60 | <b>3.69</b> | 0.26  | 0.11 | <b>2.44</b> | 0.11  | 0.15 | <b>1.83</b>         | 1.15  | 0.24 |
|  |  | -0.05 | 0.04 |             | 0.04  | 0.06 |             | 0.25  | 0.05 |             | 0.03  | 0.01 |                     | 0.20  | 0.02 |
| <b>JMZPA2</b>                            | <b>2.76</b>                                | 0.66  | 0.33 | <b>2.63</b> | -1.04 | 1.22 | <b>3.67</b> | 0.24  | 0.14 | <b>2.22</b> | -0.72 | 0.15 | <b>1.35</b>         | -1.62 | 0.50 |
|  |  | 0.31  | 0.04 |             | -0.20 | 0.12 |             | 0.24  | 0.07 |             | -0.19 | 0.01 |                     | -0.28 | 0.05 |
| <b>PD8M9Q</b>                            | <b>1.70</b>                                | -1.62 | 0.94 | <b>2.70</b> | -0.70 | 2.96 | <b>2.37</b> | -1.08 | 0.54 | <b>2.07</b> | -1.31 | 0.75 | <b>1.57</b>         | -0.37 | 0.61 |
|  |  | -0.76 | 0.10 |             | -0.13 | 0.30 |             | -1.07 | 0.25 |             | -0.35 | 0.06 |                     | -0.06 | 0.06 |
| <b>4XUXCD</b>                            | <b>2.37</b>                                | -0.19 | 0.54 | <b>2.63</b> | -1.04 | 0.57 | <b>3.00</b> | -0.44 | 0.00 | <b>2.27</b> | -0.55 | 0.75 | <b>1.37</b>         | -1.54 | 0.61 |
|  |  | -0.09 | 0.06 |             | -0.20 | 0.06 |             | -0.43 | 0.00 |             | -0.15 | 0.06 |                     | -0.26 | 0.06 |
| <b>YM93AG</b>                            | <b>2.66</b>                                | 0.43  | 0.57 | <b>2.84</b> | 0.03  | 0.62 | <b>3.48</b> | 0.04  | 0.31 | <b>2.44</b> | 0.09  | 0.52 | <b>1.72</b>         | 0.51  | 0.27 |
|  |  | 0.20  | 0.06 |             | 0.01  | 0.06 |             | 0.04  | 0.14 |             | 0.02  | 0.04 |                     | 0.09  | 0.03 |
| <b>Z9LAXF</b>                            | <b>3.00</b>                                | 1.16  | 0.00 | <b>3.10</b> | 1.39  | 0.00 | <b>3.63</b> | 0.20  | 0.12 | <b>2.73</b> | 1.21  | 0.75 | <b>1.83</b>         | 1.19  | 0.61 |
|  |  | 0.54  | 0.00 |             | 0.27  | 0.00 |             | 0.20  | 0.06 |             | 0.32  | 0.06 |                     | 0.20  | 0.06 |
| <b>QP24XR</b>                            | <b>3.19</b>                                | 1.57  | 1.26 | <b>3.06</b> | 1.19  | 0.22 | <b>4.00</b> | 0.57  | 0.33 | <b>2.65</b> | 0.91  | 1.41 | <b>1.60</b>         | -0.19 | 0.82 |
|  |  | 0.74  | 0.13 |             | 0.23  | 0.02 |             | 0.57  | 0.15 |             | 0.24  | 0.11 |                     | -0.03 | 0.08 |
| <b>ZTQT9G</b>                            | <b>2.94</b>                                | 1.03  | 0.29 | <b>2.97</b> | 0.71  | 0.30 | <b>4.85</b> | 1.43  | 0.11 | <b>2.47</b> | 0.23  | 0.71 | <b>1.67</b>         | 0.21  | 0.61 |
|  |  | 0.48  | 0.03 |             | 0.14  | 0.03 |             | 1.41  | 0.05 |             | 0.06  | 0.06 |                     | 0.04  | 0.06 |
| <b>HML4ZY</b>                            | <b>2.31</b>                                | -0.31 | 0.29 | <b>2.78</b> | -0.28 | 0.45 | <b>2.70</b> | -0.74 | 0.09 | <b>2.27</b> | -0.53 | 0.73 | <b>1.57</b>         | -0.33 | 0.53 |
|  |  | -0.14 | 0.03 |             | -0.05 | 0.05 |             | -0.73 | 0.04 |             | -0.14 | 0.06 |                     | -0.06 | 0.05 |
| <b>JDB3EY</b>                            | <b>2.39</b>                                | -0.14 | 0.00 | <b>2.58</b> | -1.34 | 0.23 | <b>4.30</b> | 0.87  | 0.12 | <b>2.23</b> | -0.68 | 0.37 | <b>1.28</b>         | -2.06 | 0.24 |
|  |  | -0.07 | 0.00 |             | -0.26 | 0.02 |             | 0.86  | 0.06 |             | -0.18 | 0.03 |                     | -0.35 | 0.02 |
| <b>N7UE8P</b>                            | <b>2.54</b>                                | 0.19  | 0.48 | <b>2.84</b> | 0.03  | 0.45 | <b>4.21</b> | 0.78  | 0.13 | <b>2.42</b> | 0.03  | 0.65 | <b>1.63</b>         | 0.00  | 0.21 |
|  |  | 0.09  | 0.05 |             | 0.01  | 0.05 |             | 0.77  | 0.06 |             | 0.01  | 0.05 |                     | 0.00  | 0.02 |



## ALP Program - Participant Web Summary Report - Cycle 30

|               | 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 |
|---------------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|
|               |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |
| <b>9P39J6</b> | <b>3.26</b> | 1.73       | 0.24    | <b>2.95</b> | 0.59       | 0.15    | <b>5.01</b> | 1.59       | 0.05    | <b>2.53</b> | 0.44       | 0.26    | <b>1.66</b> | 0.18       | 0.11    |
| <b>KJBZ3T</b> | <b>2.53</b> | 0.81       | 0.03    | <b>3.20</b> | 0.11       | 0.02    | <b>4.10</b> | 1.57       | 0.02    | <b>2.60</b> | 0.12       | 0.02    | <b>1.77</b> | 0.03       | 0.01    |
| <b>VMZPEH</b> | <b>2.30</b> | 0.16       | 3.03    | <b>2.67</b> | 1.92       | 1.71    | <b>3.10</b> | 0.67       | 1.34    | <b>2.15</b> | 0.71       | 0.00    | <b>1.50</b> | 0.80       | 1.22    |
| <b>ZNYNFD</b> | <b>1.74</b> | 0.08       | 0.32    | <b>2.80</b> | 0.37       | 0.17    | <b>2.87</b> | 0.67       | 0.62    | <b>2.26</b> | 0.19       | 0.00    | <b>1.59</b> | 0.14       | 0.12    |
| <b>E8KYJY</b> | <b>2.13</b> | -0.34      | 0.44    | <b>2.67</b> | -0.85      | 0.65    | <b>3.70</b> | -0.34      | 0.07    | <b>2.17</b> | -1.01      | 0.20    | <b>1.47</b> | -0.78      | 0.22    |
| <b>XD4VUG</b> | <b>2.29</b> | -0.16      | 0.05    | <b>2.70</b> | -0.16      | 0.07    | <b>3.88</b> | -0.34      | 0.03    | <b>2.31</b> | -0.27      | 0.02    | <b>1.59</b> | -0.13      | 0.02    |
| <b>9GTK67</b> | <b>2.70</b> | -1.53      | 1.18    | <b>2.93</b> | -0.16      | 1.16    | <b>3.20</b> | -0.57      | 0.07    | <b>2.53</b> | -0.59      | 1.42    | <b>1.63</b> | -0.23      | 1.30    |
| <b>Q2DTBN</b> | <b>2.64</b> | -0.72      | 0.13    | <b>2.87</b> | -0.03      | 0.12    | <b>2.91</b> | -0.57      | 0.03    | <b>2.52</b> | -0.16      | 0.11    | <b>1.98</b> | -0.04      | 0.12    |
| <b>WWZ2MH</b> | <b>2.71</b> | -0.69      | 0.54    | <b>3.01</b> | -0.87      | 0.57    | <b>3.39</b> | 0.27       | 0.22    | <b>2.47</b> | -0.93      | 0.75    | <b>1.76</b> | -0.95      | 1.22    |
| <b>MFPVJN</b> | <b>1.90</b> | -0.32      | 0.06    | <b>2.47</b> | -0.17      | 0.06    | <b>4.00</b> | 0.27       | 0.10    | <b>2.03</b> | -0.25      | 0.06    | <b>1.40</b> | -0.16      | 0.12    |
| <b>2RDHVB</b> | <b>2.98</b> | -0.36      | 0.12    | <b>3.17</b> | -0.69      | 0.36    | <b>4.45</b> | 0.45       | 0.02    | <b>2.86</b> | -0.39      | 0.42    | <b>1.87</b> | -0.26      | 0.29    |
| <b>6J7BH6</b> | <b>2.18</b> | -0.17      | 0.01    | <b>2.70</b> | -0.13      | 0.04    | <b>3.19</b> | 0.44       | 0.01    | <b>2.20</b> | -0.10      | 0.03    | <b>1.52</b> | -0.04      | 0.03    |
| <b>ZT92XC</b> | <b>2.46</b> | 0.52       | 0.94    | <b>2.90</b> | 0.52       | 0.57    | <b>4.30</b> | -0.24      | 0.22    | <b>2.42</b> | 0.45       | 0.75    | <b>1.67</b> | 0.02       | 0.61    |
| <b>V3RMFD</b> | <b>2.50</b> | 0.24       | 0.10    | <b>2.80</b> | 0.10       | 0.06    | <b>4.30</b> | -0.23      | 0.10    | <b>2.33</b> | 0.12       | 0.06    | <b>1.57</b> | 0.00       | 0.06    |
| <b>PZ7RCJ</b> | <b>2.24</b> | 0.40       | 0.44    | <b>2.73</b> | 0.19       | 0.45    | <b>4.00</b> | -0.52      | 0.04    | <b>2.31</b> | 0.42       | 0.45    | <b>1.56</b> | 2.03       | 0.65    |
| <b>RF99BG</b> | <b>2.27</b> | 0.19       | 0.05    | <b>2.83</b> | 0.04       | 0.05    | <b>3.60</b> | -0.52      | 0.02    | <b>2.40</b> | 0.11       | 0.04    | <b>1.80</b> | 0.35       | 0.06    |
| <b>BX698W</b> | <b>2.53</b> | 0.53       | 0.05    | <b>2.86</b> | 0.93       | 0.00    | <b>3.11</b> | -0.05      | 0.00    | <b>2.42</b> | 0.20       | 0.00    | <b>1.73</b> | 0.74       | 0.00    |
| <b>7KWVN2</b> | <b>2.16</b> | 0.25       | 0.01    | <b>2.86</b> | 0.18       | 0.00    | <b>3.11</b> | -0.05      | 0.00    | <b>2.42</b> | 0.05       | 0.00    | <b>1.73</b> | 0.13       | 0.00    |
| <b>Y26GAB</b> | <b>3.59</b> | -1.19      | 0.94    | <b>2.47</b> | -1.92      | 0.57    | <b>4.00</b> | -0.98      | 0.12    | <b>2.03</b> | -1.44      | 0.75    | <b>1.40</b> | -1.34      | 0.00    |
| <b>4TXAV7</b> | <b>3.10</b> | -0.56      | 0.10    | <b>2.47</b> | -0.37      | 0.06    | <b>4.00</b> | -0.97      | 0.06    | <b>2.03</b> | -0.38      | 0.06    | <b>1.40</b> | -0.23      | 0.00    |
| <b>4QUEC3</b> | <b>4.48</b> | 1.13       | 1.24    | <b>2.73</b> | 1.74       | 0.66    | <b>4.00</b> | 0.25       | 0.37    | <b>2.86</b> | 1.69       | 0.39    | <b>1.87</b> | 1.40       | 0.56    |
| <b>MZTJBK</b> | <b>2.37</b> | 0.53       | 0.10    | <b>2.80</b> | 0.33       | 0.07    | <b>4.45</b> | 0.25       | 0.17    | <b>2.86</b> | 0.45       | 0.03    | <b>1.87</b> | 0.24       | 0.05    |
|               |             | -0.59      | 0.10    | <b>2.70</b> | -0.71      | 0.15    | <b>4.45</b> | 1.02       | 6.27    | <b>2.20</b> | -0.81      | 0.13    | <b>1.52</b> | -0.66      | 0.16    |
|               |             | 0.00       | 0.01    | <b>2.70</b> | -0.14      | 0.02    | <b>4.45</b> | 1.01       | 2.91    | <b>2.20</b> | -0.21      | 0.01    | <b>1.52</b> | -0.11      | 0.02    |
|               |             | 1.12       | 0.56    | <b>2.90</b> | 0.37       | 0.56    | <b>3.19</b> | -0.25      | 0.34    | <b>2.42</b> | 0.04       | 0.52    | <b>1.67</b> | 0.21       | 0.43    |
|               |             | 0.12       | 0.06    | <b>2.90</b> | 0.07       | 0.06    | <b>3.19</b> | -0.25      | 0.16    | <b>2.42</b> | 0.01       | 0.04    | <b>1.67</b> | 0.04       | 0.04    |
|               |             | 0.09       | 0.00    | <b>2.80</b> | -0.17      | 0.00    | <b>4.30</b> | 0.87       | 0.22    | <b>2.33</b> | -0.30      | 0.75    | <b>1.57</b> | -0.37      | 0.61    |
|               |             | 0.04       | 0.00    | <b>2.80</b> | -0.03      | 0.00    | <b>4.30</b> | 0.87       | 0.10    | <b>2.33</b> | -0.08      | 0.06    | <b>1.57</b> | -0.06      | 0.06    |
|               |             | -0.46      | 0.25    | <b>2.73</b> | -0.54      | 0.17    | <b>4.00</b> | 0.58       | 0.25    | <b>2.31</b> | -0.39      | 0.56    | <b>1.56</b> | -0.41      | 0.32    |
|               |             | -0.22      | 0.03    | <b>2.73</b> | -0.10      | 0.02    | <b>4.00</b> | 0.57       | 0.12    | <b>2.31</b> | -0.10      | 0.04    | <b>1.56</b> | -0.07      | 0.03    |
|               |             | -0.41      | 2.37    | <b>2.83</b> | 0.00       | 1.14    | <b>3.60</b> | 0.17       | 0.43    | <b>2.40</b> | -0.05      | 1.29    | <b>1.63</b> | 0.02       | 0.61    |
|               |             | -0.19      | 0.25    | <b>2.83</b> | 0.00       | 0.12    | <b>3.60</b> | 0.17       | 0.20    | <b>2.40</b> | -0.01      | 0.10    | <b>1.63</b> | 0.00       | 0.06    |
|               |             | 0.16       | 0.09    | <b>2.86</b> | 0.12       | 0.06    | <b>3.11</b> | -0.32      | 0.01    | <b>2.42</b> | 0.04       | 0.15    | <b>1.73</b> | 0.60       | 0.34    |
|               |             | 0.07       | 0.01    | <b>2.86</b> | 0.02       | 0.01    | <b>3.11</b> | -0.32      | 0.01    | <b>2.42</b> | 0.01       | 0.01    | <b>1.73</b> | 0.10       | 0.03    |
|               |             | -0.63      | 0.47    | <b>2.75</b> | -0.44      | 0.94    | <b>2.25</b> | -1.20      | 0.02    | <b>2.34</b> | -0.26      | 1.16    | <b>1.52</b> | -0.62      | 0.98    |
|               |             | -0.29      | 0.05    | <b>2.75</b> | -0.08      | 0.10    | <b>2.25</b> | -1.19      | 0.01    | <b>2.34</b> | -0.07      | 0.09    | <b>1.52</b> | -0.11      | 0.09    |
|               |             | 2.42       | 1.41    | <b>2.91</b> | 0.38       | 1.50    | <b>6.02</b> | 2.61       | 0.40    | <b>2.65</b> | 0.89       | 1.64    | <b>1.61</b> | -0.14      | 1.34    |
|               |             | 1.13       | 0.15    | <b>2.91</b> | 0.07       | 0.15    | <b>6.02</b> | 2.59       | 0.19    | <b>2.65</b> | 0.24       | 0.13    | <b>1.61</b> | -0.02      | 0.13    |
|               |             | 1.38       |         | <b>2.80</b> | -0.17      |         | <b>4.80</b> | 1.38       |         | <b>2.40</b> | -0.05      |         | <b>1.80</b> | 0.99       |         |
|               |             | 0.64       | 0.00    | <b>2.80</b> | -0.03      | 0.00    | <b>4.80</b> | 1.37       | 0.00    | <b>2.40</b> | -0.01      | 0.00    | <b>1.80</b> | 0.17       | 0.00    |
|               |             | 4.33       | 0.50    | <b>3.67</b> | 4.39       | 0.06    | <b>2.20</b> | -1.24      | 0.07    | <b>3.07</b> | 2.50       | 0.75    | <b>5.68</b> | 23.64      | 1.41    |
|               |             | 2.02       | 0.05    | <b>3.67</b> | 0.84       | 0.01    | <b>2.20</b> | -1.23      | 0.03    | <b>3.07</b> | 0.66       | 0.06    | <b>5.68</b> | 4.05       | 0.13    |
|               |             | -0.19      | 3.03    | <b>2.80</b> | -0.17      | 1.98    | <b>3.70</b> | 0.27       | 0.94    | <b>2.40</b> | -0.05      | 1.29    | <b>1.53</b> | -0.56      | 0.61    |
|               |             | -0.09      | 0.32    | <b>2.80</b> | -0.03      | 0.20    | <b>3.70</b> | 0.27       | 0.44    | <b>2.40</b> | -0.01      | 0.10    | <b>1.53</b> | -0.10      | 0.06    |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>HU3FFL</b>            | <b>2.71</b>        | 0.53    | 0.38    | <b>2.95</b>        | 0.63    | 0.11    | <b>4.12</b>        | 0.69    | 0.17    | <b>2.41</b>        | 0.00    | 0.20    | <b>1.61</b>        | -0.12   | 0.11    |
|                          |                    | 0.25    | 0.04    |                    | 0.12    | 0.01    |                    | 0.69    | 0.08    |                    | 0.00    | 0.02    |                    | -0.02   | 0.01    |
| <b>GF8XQM</b>            | <b>2.20</b>        | -0.55   | 0.94    | <b>2.63</b>        | -1.04   | 1.14    | <b>2.60</b>        | -0.84   | 0.37    | <b>2.17</b>        | -0.93   | 1.49    | <b>1.90</b>        | 1.58    | 1.06    |
|                          |                    | -0.26   | 0.10    |                    | -0.20   | 0.12    |                    | -0.83   | 0.17    |                    | -0.25   | 0.12    |                    | 0.27    | 0.10    |
| <b>N6HFCF</b>            | <b>2.56</b>        | 0.22    | 0.99    | <b>2.94</b>        | 0.56    | 0.75    | <b>3.40</b>        | -0.03   | 0.26    | <b>2.49</b>        | 0.28    | 0.82    | <b>1.73</b>        | 0.60    | 0.55    |
|                          |                    | 0.10    | 0.11    |                    | 0.11    | 0.08    |                    | -0.03   | 0.12    |                    | 0.07    | 0.06    |                    | 0.10    | 0.05    |
| <b>9KRXTW</b>            | <b>2.38</b>        | -0.17   | 0.08    | <b>2.79</b>        | -0.25   | 0.04    | <b>3.29</b>        | -0.15   | 0.08    | <b>2.26</b>        | -0.56   | 0.07    | <b>1.60</b>        | -0.17   | 0.01    |
|                          |                    | -0.08   | 0.01    |                    | -0.05   | 0.00    |                    | -0.15   | 0.04    |                    | -0.15   | 0.01    |                    | -0.03   | 0.00    |
| <b>Grand Median</b>      |                    | 2.46    |         |                    | 2.83    |         |                    | 3.43    |         |                    | 2.41    |         |                    | 1.63    |         |
| <b>Median Abs Dev</b>    |                    | 0.24    |         |                    | 0.11    |         |                    | 0.57    |         |                    | 0.12    |         |                    | 0.10    |         |
| <b>Avg Within Lab SD</b> |                    | 0.11    |         |                    | 0.10    |         |                    | 0.46    |         |                    | 0.08    |         |                    | 0.09    |         |
| <b>Labs Included</b>     |                    | 45      |         |                    | 45      |         |                    | 45      |         |                    | 45      |         |                    | 45      |         |
| <b>Labs Reporting</b>    |                    | 46      |         |                    | 46      |         |                    | 46      |         |                    | 46      |         |                    | 46      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SOM - Actual (Unregressed) (SubTestCode 184) | in the Soil Organic Matter Property Groups |            |             |            |             |      |             |      |             |      | Data units: % |  |
|--|--|------------|-------------|------------|-------------|------|-------------|------|-------------|------|---------------|--|
|  | SRSSRS1606                                 | SRSSRS1607 | SRSSRS1608  | SRSSRS1609 | SRSSRS1610  |      |             |      |             |      |               |  |
| <b>PD8M9Q</b>                                | <b>2.87</b>                                | 0.90       | <b>2.93</b> | 0.66       | <b>4.48</b> | 0.51 | <b>2.56</b> | 0.41 | <b>1.69</b> | 0.10 |               |  |
|  |  | 0.15       |             | 0.09       |             | 0.11 |             | 0.04 |             | 0.01 |               |  |
| <b>VMZPEH</b>                                | <b>2.13</b>                                | 0.25       | <b>2.47</b> | 0.43       | <b>2.85</b> | 0.11 | <b>2.00</b> | 0.09 | <b>1.41</b> | 0.15 |               |  |
|  |  | 0.04       |             | 0.06       |             | 0.03 |             | 0.01 |             | 0.02 |               |  |
| <b>E8KYJY</b>                                | <b>2.23</b>                                | 0.35       | <b>2.77</b> | 0.41       | <b>3.80</b> | 0.45 | <b>2.27</b> | 0.54 | <b>1.47</b> | 1.11 |               |  |
|  |  | 0.06       |             | 0.06       |             | 0.10 |             | 0.06 |             | 0.12 |               |  |
| <b>9WKG82</b>                                | <b>2.67</b>                                | 1.74       | <b>2.67</b> | 1.79       | <b>4.73</b> | 1.88 | <b>2.80</b> | 1.88 | <b>1.60</b> | 1.66 |               |  |
|  |  | 0.29       |             | 0.25       |             | 0.42 |             | 0.20 |             | 0.17 |               |  |
| <b>Grand Median</b>                          | 2.45                                       |            | 2.72        |            | 4.14        |      | 2.41        |      | 1.53        |      |               |  |
| <b>Median Abs Dev</b>                        |  |            |             |            |             |      |             |      |             |      |               |  |
| <b>Avg Within Lab SD</b>                     | 0.17                                       |            | 0.14        |            | 0.22        |      | 0.11        |      | 0.10        |      |               |  |
| <b>Labs Included</b>                         | 4  |            | 4           |            | 4           |      | 4           |      | 4           |      |               |  |
| <b>Labs Reporting</b>                        | 4  |            | 4           |            | 4           |      | 4           |      | 4           |      |               |  |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| CaCO3 Content (SubTestCode 185) | in the Content Property Groups |       |      |             |       |      |              |       |      |             | Data units: Percent |             |            |  |  |
|---------------------------------|--------------------------------|-------|------|-------------|-------|------|--------------|-------|------|-------------|---------------------|-------------|------------|--|--|
|                                 | SRSSRS1606                     |       |      | SRSSRS1607  |       |      | SRSSRS1608   |       |      | SRSSRS1609  |                     |             | SRSSRS1610 |  |  |
| <b>2V9A2L</b>                   | <b>1.35</b>                    | -0.11 | 0.23 |             |       |      | <b>10.03</b> | 0.00  | 0.75 |             |                     |             |            |  |  |
|                                 |                                | -0.08 | 0.03 |             |       |      |              | 0.00  | 0.25 |             |                     |             |            |  |  |
| <b>QHLKDT</b>                   | <b>2.16</b>                    | 1.02  | 0.32 | <b>0.41</b> | 0.53  | 0.23 | <b>2.34</b>  | -2.54 | 0.12 | <b>1.34</b> | 2.00                | <b>0.58</b> | 2.00       |  |  |
|                                 |                                | 0.73  | 0.04 |             | 0.08  | 0.03 |              | -7.70 | 0.04 |             | 0.04                |             | 0.03       |  |  |
| <b>4XUXCD</b>                   | <b>0.80</b>                    | -0.88 | 0.00 | <b>0.10</b> | -1.53 | 0.00 | <b>9.57</b>  | -0.15 | 0.92 | <b>0.10</b> | 0.00                | <b>0.10</b> | 0.00       |  |  |
|                                 |                                | -0.63 | 0.00 |             | -0.23 | 0.00 |              | -0.47 | 0.31 |             | 0.00                |             | 0.00       |  |  |
| <b>Z9LAXF</b>                   | <b>2.03</b>                    | 0.84  | 0.52 | <b>0.33</b> | 0.00  | 0.46 | <b>12.80</b> | 0.91  | 0.00 | <b>0.70</b> | 0.00                | <b>0.40</b> | 0.00       |  |  |
|                                 |                                | 0.60  | 0.06 |             | 0.00  | 0.06 |              | 2.77  | 0.00 |             | 0.00                |             | 0.00       |  |  |
| <b>4TXAV7</b>                   | <b>1.51</b>                    | 0.11  |      | <b>0.46</b> | 0.83  |      | <b>11.50</b> | 0.48  |      | <b>0.58</b> |                     |             |            |  |  |
|                                 |                                | 0.08  | 0.00 |             | 0.13  | 0.00 |              | 1.47  | 0.00 |             | 0.00                |             |            |  |  |
| <b>GPT3XM</b>                   |                                |       |      |             |       |      | <b>8.39</b>  | -0.54 | 0.19 |             |                     |             |            |  |  |
|                                 |                                |       |      |             |       |      |              | -1.65 | 0.06 |             |                     |             |            |  |  |
| <b>N6HFCF</b>                   | <b>0.65</b>                    | -1.09 | 2.36 | <b>0.26</b> | -0.48 | 2.18 | <b>10.28</b> | 0.08  | 2.35 |             |                     | <b>0.17</b> |            |  |  |
|                                 |                                | -0.78 | 0.26 |             | -0.07 | 0.27 |              | 0.25  | 0.79 |             |                     |             | 0.00       |  |  |
| <b>Grand Median</b>             |                                | 1.43  |      | 0.33        |       |      | 10.0         |       |      | 0.64        |                     |             | 0.28       |  |  |
| <b>Median Abs Dev</b>           |                                | 0.62  |      | 0.08        |       |      | 1.5          |       |      |             |                     |             |            |  |  |
| <b>Avg Within Lab SD</b>        |                                | 0.11  |      | 0.13        |       |      | 0.3          |       |      | 0.02        |                     |             | 0.01       |  |  |
| <b>Labs Included</b>            |                                | 6     |      | 5           |       |      | 7            |       |      | 4           |                     |             | 4          |  |  |
| <b>Labs Reporting</b>           |                                | 6     |      | 5           |       |      | 7            |       |      | 4           |                     |             | 4          |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups |              |       |      |              |       |      |              |       |      |              |       |      |             |       | Data units: cmol/kg |
|--|--------------|-------|------|--------------|-------|------|--------------|-------|------|--------------|-------|------|-------------|-------|---------------------|
|  | SRSSRS1606   |       |      | SRSSRS1607   |       |      | SRSSRS1608   |       |      | SRSSRS1609   |       |      | SRSSRS1610  |       |                     |
| <b>2V9A2L</b>  | <b>22.18</b> | 0.35  | 0.05 | <b>8.53</b>  | -0.08 | 0.04 | <b>24.92</b> | 0.43  | 0.06 | <b>10.60</b> | 0.15  | 0.49 | <b>4.53</b> | 0.05  | 0.39                |
|  |              | 1.00  | 0.03 |              | -0.15 | 0.01 |              | 2.70  | 0.03 |              | 0.32  | 0.10 |             | 0.03  | 0.06                |
| <b>LU92FX</b>  | <b>18.29</b> | -1.01 | 0.89 | <b>6.07</b>  | -1.34 | 2.67 | <b>17.54</b> | -0.75 | 0.19 | <b>8.97</b>  | -0.62 | 1.03 | <b>4.37</b> | -0.21 | 1.96                |
|  |              | -2.90 | 0.50 |              | -2.61 | 0.80 |              | -4.68 | 0.10 |              | -1.31 | 0.21 |             | -0.13 | 0.29                |
| <b>PD8M9Q</b>  | <b>20.57</b> | -0.21 | 0.67 | <b>8.83</b>  | 0.08  | 0.10 | <b>17.33</b> | -0.79 | 1.84 | <b>9.97</b>  | -0.15 | 1.01 | <b>4.62</b> | 0.18  | 1.58                |
|  |              | -0.62 | 0.38 |              | 0.15  | 0.03 |              | -4.89 | 0.95 |              | -0.32 | 0.21 |             | 0.12  | 0.23                |
| <b>Z9LAXF</b>  | <b>26.00</b> | 1.67  |      | <b>11.00</b> | 1.19  |      | <b>27.67</b> | 0.87  | 1.12 | <b>13.00</b> | 1.29  |      | <b>5.00</b> | 0.78  |                     |
|  |              | 4.82  | 0.00 |              | 2.32  | 0.00 |              | 5.45  | 0.58 |              | 2.72  | 0.00 |             | 0.50  | 0.00                |
| <b>E8KYJY</b>  | <b>19.23</b> | -0.68 |      | <b>6.93</b>  | -0.90 |      | <b>19.48</b> | -0.44 |      | <b>9.63</b>  | -0.31 |      | <b>3.91</b> | -0.92 |                     |
|  |              | -1.95 | 0.00 |              | -1.75 | 0.00 |              | -2.74 | 0.00 |              | -0.65 | 0.00 |             | -0.59 | 0.00                |
| <b>4TXAV7</b>  | <b>25.00</b> | 1.33  |      | <b>10.50</b> | 0.93  |      | <b>26.70</b> | 0.72  |      | <b>13.40</b> | 1.48  |      | <b>6.05</b> | 2.43  |                     |
|  |              | 3.82  | 0.00 |              | 1.82  | 0.00 |              | 4.48  | 0.00 |              | 3.12  | 0.00 |             | 1.55  | 0.00                |
| <b>EJR4AR</b>  | <b>20.97</b> | -0.08 | 2.55 | <b>8.83</b>  | 0.08  | 0.77 | <b>28.20</b> | 0.96  | 1.78 | <b>12.60</b> | 1.10  | 2.12 | <b>4.47</b> | -0.05 | 0.79                |
|  |              | -0.22 | 1.42 |              | 0.15  | 0.23 |              | 5.98  | 0.92 |              | 2.32  | 0.44 |             | -0.03 | 0.12                |
| <b>D79YPQ</b>  | <b>21.40</b> | 0.08  | 0.52 | <b>7.13</b>  | -0.80 | 0.52 | <b>19.53</b> | -0.43 | 0.37 | <b>9.67</b>  | -0.29 | 1.08 | <b>4.01</b> | -0.76 | 0.93                |
|  |              | 0.22  | 0.29 |              | -1.55 | 0.16 |              | -2.70 | 0.19 |              | -0.61 | 0.22 |             | -0.49 | 0.14                |
| <b>Grand Median</b>  |              | 21.2  |      | 8.68         |       |      | 22.2         |       |      | 10.3         |       |      | 4.50        |       |                     |
| <b>Median Abs Dev</b>  |              | 1.5   |      | 1.65         |       |      | 4.6          |       |      | 1.0          |       |      | 0.31        |       |                     |
| <b>Avg Within Lab SD</b>   |              | 0.6   |      | 0.30         |       |      | 0.5          |       |      | 0.2          |       |      | 0.15        |       |                     |
| <b>Labs Included</b>   |              | 8     |      | 8            |       |      | 8            |       |      | 8            |       |      | 8           |       |                     |
| <b>Labs Reporting</b>  |              | 8     |      | 8            |       |      | 8            |       |      | 8            |       |      | 8           |       |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| CEC - Estimation (SubTestCode 187) |              |       | in the Other 1 Property Groups |              |       |            |               |        |            |              |       | Data units: cmol/kg |             |       |      |
|------------------------------------|--------------|-------|--------------------------------|--------------|-------|------------|---------------|--------|------------|--------------|-------|---------------------|-------------|-------|------|
| SRSSRS1606                         |              |       | SRSSRS1607                     |              |       | SRSSRS1608 |               |        | SRSSRS1609 |              |       | SRSSRS1610          |             |       |      |
| <b>WPJ78M</b>                      | <b>29.50</b> | 0.48  | 1.16                           | <b>10.73</b> | 1.37  | 1.48       | <b>77.30</b>  | -0.23  | 0.23       | <b>20.20</b> | 2.30  | 1.11                | <b>6.67</b> | 0.57  | 1.17 |
|                                    |              | 2.79  | 1.18                           |              | 2.63  | 0.49       |               | -5.41  | 0.87       |              | 9.03  | 0.52                |             | 0.73  | 0.31 |
| <b>QHLKDT</b>                      | <b>26.71</b> | 0.00  | 1.10                           | <b>6.91</b>  | -0.62 | 0.77       | <b>84.79</b>  | 0.09   | 1.47       | <b>8.72</b>  | -0.62 | 0.36                | <b>4.49</b> | -1.12 | 0.69 |
|                                    |              | 0.00  | 1.12                           |              | -1.19 | 0.26       |               | 2.08   | 5.55       |              | -2.45 | 0.17                |             | -1.44 | 0.18 |
| <b>NM37AU</b>                      | <b>26.28</b> | -0.07 | 0.14                           | <b>9.07</b>  | 0.51  | 0.80       | <b>95.42</b>  | 0.53   | 0.25       | <b>13.69</b> | 0.64  | 0.09                | <b>6.69</b> | 0.59  | 0.16 |
|                                    |              | -0.43 | 0.15                           |              | 0.97  | 0.27       |               | 12.71  | 0.94       |              | 2.52  | 0.04                |             | 0.76  | 0.04 |
| <b>ZTQT9G</b>                      | <b>24.83</b> | -0.32 | 1.13                           | <b>5.57</b>  | -1.31 | 0.17       | <b>110.90</b> | 1.18   | 2.02       | <b>7.40</b>  | -0.96 | 0.21                | <b>3.80</b> | -1.66 | 0.00 |
|                                    |              | -1.87 | 1.15                           |              | -2.53 | 0.06       |               | 28.19  | 7.63       |              | -3.77 | 0.10                |             | -2.13 | 0.00 |
| <b>HML4ZY</b>                      | <b>19.07</b> | -1.32 | 0.79                           | <b>9.47</b>  | 0.71  | 1.75       |               |        |            | <b>14.03</b> | 0.73  | 0.86                | <b>6.10</b> | 0.13  | 2.39 |
|                                    |              | -7.64 | 0.80                           |              | 1.37  | 0.59       |               |        |            |              | 2.87  | 0.40                |             | 0.17  | 0.62 |
| <b>XD4VUG</b>                      | <b>22.03</b> | -0.81 | 1.25                           | <b>7.13</b>  | -0.50 | 0.79       | <b>37.95</b>  | -1.87  | 0.10       | <b>8.97</b>  | -0.56 | 0.14                | <b>4.88</b> | -0.82 | 0.52 |
|                                    |              | -4.68 | 1.27                           |              | -0.97 | 0.26       |               | -44.76 | 0.36       |              | -2.20 | 0.07                |             | -1.06 | 0.14 |
| <b>7KWVN2</b>                      | <b>29.83</b> | 0.54  | 0.45                           | <b>9.07</b>  | 0.50  | 1.21       | <b>77.00</b>  | -0.24  | 0.43       | <b>12.20</b> | 0.26  | 0.43                | <b>7.10</b> | 0.91  | 0.38 |
|                                    |              | 3.13  | 0.46                           |              | 0.97  | 0.40       |               | -5.71  | 1.61       |              | 1.03  | 0.20                |             | 1.17  | 0.10 |
| <b>9WKG82</b>                      | <b>35.33</b> | 1.49  | 0.91                           | <b>7.03</b>  | -0.55 | 0.17       | <b>110.90</b> | 1.18   | 0.76       | <b>11.17</b> | 0.00  | 2.45                | <b>5.93</b> | 0.00  | 0.80 |
|                                    |              | 8.63  | 0.92                           |              | -1.07 | 0.06       |               | 28.19  | 2.85       |              | 0.00  | 1.15                |             | 0.00  | 0.21 |
| <b>MAXQQK</b>                      | <b>32.67</b> | 1.03  | 1.39                           | <b>8.10</b>  | 0.00  | 0.60       | <b>80.63</b>  | -0.09  | 0.93       | <b>11.13</b> | -0.01 | 0.81                | <b>5.57</b> | -0.28 | 0.59 |
|                                    |              | 5.96  | 1.42                           |              | 0.00  | 0.20       |               | -2.08  | 3.50       |              | -0.03 | 0.38                |             | -0.37 | 0.15 |
| <b>Grand Median</b>                |              | 26.7  |                                |              | 8.10  |            |               | 82.7   |            |              | 11.2  |                     |             | 5.93  |      |
| <b>Median Abs Dev</b>              |              | 3.1   |                                |              | 1.07  |            |               | 9.2    |            |              | 2.4   |                     |             | 0.76  |      |
| <b>Avg Within Lab SD</b>           |              | 1.0   |                                |              | 0.33  |            |               | 3.8    |            |              | 0.5   |                     |             | 0.26  |      |
| <b>Labs Included</b>               |              | 9     |                                |              | 9     |            |               | 8      |            |              | 9     |                     |             | 9     |      |
| <b>Labs Reporting</b>              |              | 9     |                                |              | 9     |            |               | 8      |            |              | 9     |                     |             | 9     |      |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil Density (Scoop) (SubTestCode 188) | in the Other 1 Property Groups |       |      |             |       |      |             |       |      |             |       |      |             |       |      | Data units: g/cc |
|--|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|------------------|
|  | SRSSRS1606                     |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |       |      | SRSSRS1610  |       |      |                  |
| <b>2V9A2L</b>                          | <b>1.32</b>                    | 0.84  | 0.21 | <b>1.42</b> | 1.07  | 0.30 | <b>1.48</b> | 1.44  | 0.23 | <b>1.53</b> | 0.54  | 0.19 | <b>1.74</b> | 1.20  | 0.74 |                  |
|  |                                | 0.13  | 0.01 |             | 0.20  | 0.01 |             | 0.19  | 0.01 |             | 0.08  | 0.01 |             | 0.18  | 0.02 |                  |
| <b>QHLKDT</b>                          | <b>1.27</b>                    | 0.56  | 0.10 | <b>1.41</b> | 0.97  | 0.73 | <b>1.29</b> | 0.00  | 0.26 | <b>1.54</b> | 0.61  | 0.11 | <b>1.58</b> | 0.11  | 0.42 |                  |
|  |                                | 0.08  | 0.00 |             | 0.18  | 0.03 |             | 0.00  | 0.01 |             | 0.09  | 0.00 |             | 0.02  | 0.01 |                  |
| <b>Z9HQBC</b>                          | <b>1.31</b>                    | 0.77  | 0.24 | <b>1.50</b> | 1.49  | 0.41 | <b>1.36</b> | 0.57  | 0.31 | <b>1.56</b> | 0.69  | 0.46 | <b>1.70</b> | 0.92  | 0.43 |                  |
|  |                                | 0.12  | 0.01 |             | 0.28  | 0.02 |             | 0.08  | 0.01 |             | 0.10  | 0.01 |             | 0.14  | 0.01 |                  |
| <b>Z4BZ87</b>                          | <b>1.09</b>                    | -0.64 | 2.31 | <b>1.22</b> | 0.00  | 1.03 | <b>1.19</b> | -0.76 | 1.95 | <b>1.33</b> | -0.86 | 2.29 | <b>1.36</b> | -1.36 | 2.34 |                  |
|  |                                | -0.10 | 0.06 |             | 0.00  | 0.04 |             | -0.10 | 0.05 |             | -0.13 | 0.07 |             | -0.20 | 0.06 |                  |
| <b>MAXQQK</b>                          | <b>1.19</b>                    | 0.00  | 0.72 | <b>1.15</b> | -0.37 | 2.14 | <b>1.29</b> | 0.00  | 1.65 | <b>1.45</b> | 0.00  | 0.97 | <b>1.56</b> | 0.00  | 0.49 |                  |
|  |                                | 0.00  | 0.02 |             | -0.07 | 0.08 |             | 0.00  | 0.04 |             | 0.00  | 0.03 |             | 0.00  | 0.01 |                  |
| <b>MZTJBK</b>                          | <b>1.01</b>                    | -1.19 | 0.95 | <b>1.12</b> | -0.55 | 0.68 | <b>1.09</b> | -1.47 | 0.46 | <b>1.26</b> | -1.31 | 0.67 | <b>1.54</b> | -0.16 | 0.43 |                  |
|  |                                | -0.18 | 0.03 |             | -0.10 | 0.03 |             | -0.19 | 0.01 |             | -0.19 | 0.02 |             | -0.02 | 0.01 |                  |
| <b>N6HFCF</b>                          | <b>1.08</b>                    | -0.73 | 0.36 | <b>1.17</b> | -0.27 | 0.30 | <b>1.22</b> | -0.48 | 0.23 | <b>1.35</b> | -0.70 | 0.34 | <b>1.42</b> | -0.97 | 0.43 |                  |
|  |                                | -0.11 | 0.01 |             | -0.05 | 0.01 |             | -0.06 | 0.01 |             | -0.10 | 0.01 |             | -0.14 | 0.01 |                  |
| <b>Grand Median</b>                    |                                | 1.19  |      | 1.22        |       |      | 1.29        |       |      | 1.45        |       |      | 1.56        |       |      |                  |
| <b>Median Abs Dev</b>                  |                                | 0.11  |      | 0.10        |       |      | 0.08        |       |      | 0.10        |       |      | 0.14        |       |      |                  |
| <b>Avg Within Lab SD</b>               |                                | 0.03  |      | 0.04        |       |      | 0.03        |       |      | 0.03        |       |      | 0.02        |       |      |                  |
| <b>Labs Included</b>                   |                                | 7     |      | 7           |       |      | 7           |       |      | 7           |       |      | 7           |       |      |                  |
| <b>Labs Reporting</b>                  |                                | 7     |      | 7           |       |      | 7           |       |      | 7           |       |      | 7           |       |      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Sand 2000 - 50 um (SubTestCode 189) | in the Particle Size Analysis Property Groups |       |     |             |      |     |             |      |     |             |      |     | Data units: Percent |      |     |
|-------------------------------------|---|-------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|---------------------|------|-----|
|                                     | SRSSRS1606                                    |       |     | SRSSRS1607  |      |     | SRSSRS1608  |      |     | SRSSRS1609  |      |     | SRSSRS1610          |      |     |
| <b>P2ZHHY</b>                       | <b>29.2</b>                                   | 0.1   | 1.0 | <b>52.5</b> | 0.0  |     | <b>24.2</b> | -0.3 | 1.0 | <b>50.8</b> | 0.0  | 1.5 | <b>74.2</b>         | -0.2 | 1.4 |
|                                     |   | 1.2   | 1.4 |             | 0.0  | 0.0 |             | -2.6 | 1.4 |             | -0.2 | 1.4 |                     | -0.8 | 1.4 |
| <b>2V9A2L</b>                       | <b>20.7</b>                                   | -0.9  | 1.1 | <b>47.7</b> | -1.0 | 0.4 | <b>20.7</b> | -0.8 | 1.6 | <b>52.7</b> | 0.4  | 1.2 | <b>77.3</b>         | 0.6  | 0.6 |
|                                     |   | -7.3  | 1.5 |             | -4.9 | 0.6 |             | -6.1 | 2.3 |             | 1.7  | 1.2 |                     | 2.3  | 0.6 |
| <b>ETFYA8</b>                       | <b>29.0</b>                                   | 0.1   | 1.4 | <b>54.3</b> | 0.4  | 0.4 | <b>31.4</b> | 0.6  | 0.4 | <b>52.0</b> | 0.2  | 0.9 | <b>76.7</b>         | 0.4  | 0.3 |
|                                     |   | 1.1   | 2.0 |             | 1.8  | 0.6 |             | 4.6  | 0.5 |             | 1.0  | 0.9 |                     | 1.7  | 0.3 |
| <b>QHLKDT</b>                       | <b>28.0</b>                                   | 0.0   | 1.2 | <b>53.7</b> | 0.2  | 0.4 | <b>27.0</b> | 0.0  | 0.7 | <b>51.0</b> | 0.0  | 1.0 | <b>75.7</b>         | 0.2  | 1.1 |
|                                     |   | 0.1   | 1.7 |             | 1.1  | 0.6 |             | 0.2  | 1.0 |             | 0.0  | 1.0 |                     | 0.7  | 1.2 |
| <b>NM37AU</b>                       | <b>27.6</b>                                   | 0.0   | 0.7 | <b>53.6</b> | 0.2  | 0.8 | <b>28.3</b> | 0.2  | 0.9 | <b>50.9</b> | 0.0  | 0.2 | <b>76.9</b>         | 0.5  | 0.2 |
|                                     |   | -0.3  | 1.1 |             | 1.1  | 1.1 |             | 1.5  | 1.3 |             | -0.1 | 0.2 |                     | 1.9  | 0.2 |
| <b>LU92FX</b>                       | <b>29.0</b>                                   | 0.1   |     | <b>50.0</b> | -0.5 |     | <b>21.0</b> | -0.8 |     | <b>50.0</b> | -0.2 |     | <b>74.0</b>         | -0.2 |     |
|                                     |   | 1.1   | 0.0 |             | -2.5 | 0.0 |             | -5.8 | 0.0 |             | -1.0 | 0.0 |                     | -1.0 | 0.0 |
| <b>YM93AG</b>                       | <b>36.3</b>                                   | 1.0   | 0.8 | <b>49.6</b> | -0.6 | 3.2 | <b>20.4</b> | -0.9 | 1.0 | <b>51.6</b> | 0.1  | 3.2 | <b>74.0</b>         | -0.2 | 2.8 |
|                                     |   | 8.3   | 1.2 |             | -2.9 | 4.2 |             | -6.4 | 1.4 |             | 0.6  | 3.2 |                     | -1.0 | 2.9 |
| <b>Z9LAXF</b>                       | <b>25.3</b>                                   | -0.3  | 0.8 | <b>51.3</b> | -0.2 | 1.8 | <b>18.7</b> | -1.1 | 0.8 | <b>48.7</b> | -0.6 | 1.2 | <b>75.0</b>         | 0.0  | 2.6 |
|                                     |   | -2.6  | 1.2 |             | -1.2 | 2.3 |             | -8.1 | 1.2 |             | -2.3 | 1.2 |                     | 0.0  | 2.6 |
| <b>QP24XR</b>                       | <b>47.3</b>                                   | 2.3   | 0.8 | <b>56.7</b> | 0.9  | 0.9 | <b>32.0</b> | 0.7  |     | <b>54.0</b> | 0.7  |     | <b>78.0</b>         | 0.7  |     |
|                                     |   | 19.4  | 1.2 |             | 4.1  | 1.2 |             | 5.2  | 0.0 |             | 3.0  | 0.0 |                     | 3.0  | 0.0 |
| <b>ZTQT9G</b>                       | <b>18.1</b>                                   | -1.2  | 1.2 | <b>43.5</b> | -1.9 | 0.6 | <b>22.1</b> | -0.6 | 0.5 | <b>47.4</b> | -0.9 | 0.6 | <b>73.1</b>         | -0.4 | 0.7 |
|                                     |   | -9.8  | 1.7 |             | -9.1 | 0.8 |             | -4.7 | 0.7 |             | -3.6 | 0.6 |                     | -1.9 | 0.8 |
| <b>HML4ZY</b>                       | <b>29.0</b>                                   | 0.1   |     | <b>55.0</b> | 0.5  |     | <b>39.0</b> | 1.6  |     | <b>51.0</b> | 0.0  |     | <b>81.0</b>         | 1.4  |     |
|                                     |   | 1.1   | 0.0 |             | 2.5  | 0.0 |             | 12.2 | 0.0 |             | 0.0  | 0.0 |                     | 6.0  | 0.0 |
| <b>9P39J6</b>                       | <b>28.6</b>                                   | 0.1   | 0.0 | <b>70.2</b> | 3.7  | 0.0 | <b>27.8</b> | 0.1  | 0.0 | <b>61.6</b> | 2.6  | 0.0 | <b>76.4</b>         | 0.3  | 0.0 |
|                                     |   | 0.7   | 0.0 |             | 17.7 | 0.0 |             | 1.0  | 0.0 |             | 10.6 | 0.0 |                     | 1.4  | 0.0 |
| <b>3HG3JC</b>                       | <b>20.0</b>                                   | -0.9  |     | <b>51.0</b> | -0.3 |     | <b>31.0</b> | 0.6  |     | <b>46.0</b> | -1.2 |     | <b>72.0</b>         | -0.7 |     |
|                                     |   | -7.9  | 0.0 |             | -1.5 | 0.0 |             | 4.2  | 0.0 |             | -5.0 | 0.0 |                     | -3.0 | 0.0 |
| <b>XD4VUG</b>                       | <b>27.9</b>                                   | 0.0   |     | <b>51.9</b> | -0.1 |     | <b>27.8</b> | 0.1  |     | <b>51.8</b> | 0.2  |     | <b>75.8</b>         | 0.2  |     |
|                                     |   | 0.0   | 0.0 |             | -0.6 | 0.0 |             | 1.1  | 0.0 |             | 0.8  | 0.0 |                     | 0.8  | 0.0 |
| <b>Z9HQBC</b>                       | <b>20.3</b>                                   | -0.9  | 0.8 | <b>47.0</b> | -1.1 | 1.5 | <b>20.3</b> | -0.9 | 0.8 | <b>47.0</b> | -1.0 |     | <b>73.0</b>         | -0.5 |     |
|                                     |   | -7.6  | 1.2 |             | -5.5 | 2.0 |             | -6.5 | 1.2 |             | -4.0 | 0.0 |                     | -2.0 | 0.0 |
| <b>F4VC3W</b>                       | <b>35.5</b>                                   | 0.9   | 2.4 | <b>58.1</b> | 1.1  | 1.9 | <b>44.5</b> | 2.4  | 2.7 | <b>61.7</b> | 2.6  | 1.2 | <b>82.0</b>         | 1.6  | 1.9 |
|                                     |   | 7.6   | 3.5 |             | 5.6  | 2.5 |             | 17.7 | 4.0 |             | 10.7 | 1.2 |                     | 7.0  | 2.0 |
| <b>RF99BG</b>                       | <b>34.7</b>                                   | 0.8   | 2.1 | <b>55.3</b> | 0.6  | 0.9 | <b>25.3</b> | -0.2 | 0.8 | <b>50.0</b> | -0.2 | 2.0 | <b>76.7</b>         | 0.4  | 1.1 |
|                                     |   | 6.7   | 3.1 |             | 2.8  | 1.2 |             | -1.5 | 1.2 |             | -1.0 | 2.0 |                     | 1.7  | 1.2 |
| <b>EDQREV</b>                       | <b>24.7</b>                                   | -0.4  | 0.8 | <b>49.3</b> | -0.7 | 0.9 | <b>18.3</b> | -1.1 | 0.8 | <b>45.7</b> | -1.3 | 1.2 | <b>70.3</b>         | -1.1 | 1.1 |
|                                     |   | -3.3  | 1.2 |             | -3.2 | 1.2 |             | -8.5 | 1.2 |             | -5.3 | 1.2 |                     | -4.7 | 1.2 |
| <b>XXB2JC</b>                       | <b>21.8</b>                                   | -0.7  | 0.1 | <b>53.3</b> | 0.2  | 0.2 | <b>26.6</b> | 0.0  | 0.2 | <b>53.3</b> | 0.6  | 0.2 | <b>79.2</b>         | 1.0  | 0.2 |
|                                     |   | -6.1  | 0.1 |             | 0.7  | 0.3 |             | -0.2 | 0.3 |             | 2.3  | 0.2 |                     | 4.2  | 0.2 |
| <b>4TXAV7</b>                       | <b>17.6</b>                                   | -1.2  |     | <b>53.8</b> | 0.3  |     |             |      |     | <b>48.9</b> | -0.5 |     | <b>76.8</b>         | 0.4  |     |
|                                     |   | -10.3 | 0.0 |             | 1.3  | 0.0 |             |      |     |             | -2.1 | 0.0 |                     | 1.8  | 0.0 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>4QUEC3</b>            | <b>18.0</b>        | -1.2    |         | <b>48.7</b>        | -0.8    | 0.9     | <b>19.3</b>        | -1.0    | 0.8     | <b>47.3</b>        | -0.9    | 1.2     | <b>73.3</b>        | -0.4    | 1.1     |
|                          |                    | -9.9    | 0.0     |                    | -3.9    | 1.2     |                    | -7.5    | 1.2     |                    | -3.7    | 1.2     |                    | -1.7    | 1.2     |
| <b>Z4BZ87</b>            | <b>24.5</b>        | -0.4    | 0.6     | <b>52.5</b>        | 0.0     | 0.7     | <b>25.7</b>        | -0.1    | 0.7     | <b>49.9</b>        | -0.3    | 0.4     | <b>74.1</b>        | -0.2    | 0.2     |
|                          |                    | -3.5    | 0.8     |                    | 0.0     | 0.9     |                    | -1.1    | 1.0     |                    | -1.1    | 0.4     |                    | -0.9    | 0.2     |
| <b>ACVHGX</b>            | <b>29.2</b>        | 0.2     | 0.0     | <b>53.9</b>        | 0.3     | 0.5     | <b>25.1</b>        | -0.2    | 0.1     | <b>54.4</b>        | 0.8     | 1.2     | <b>77.2</b>        | 0.5     | 0.4     |
|                          |                    | 1.3     | 0.0     |                    | 1.4     | 0.6     |                    | -1.7    | 0.1     |                    | 3.4     | 1.2     |                    | 2.2     | 0.4     |
| <b>MZTJBK</b>            | <b>29.4</b>        | 0.2     |         | <b>55.2</b>        | 0.6     |         | <b>30.6</b>        | 0.5     |         | <b>54.0</b>        | 0.7     |         | <b>74.4</b>        | -0.1    |         |
|                          |                    | 1.5     | 0.0     |                    | 2.7     | 0.0     |                    | 3.8     | 0.0     |                    | 3.0     | 0.0     |                    | -0.6    | 0.0     |
| <b>6UNU32</b>            | <b>18.0</b>        | -1.2    |         | <b>50.0</b>        | -0.5    |         | <b>25.0</b>        | -0.2    |         | <b>52.0</b>        | 0.2     |         | <b>74.0</b>        | -0.2    |         |
|                          |                    | -9.9    | 0.0     |                    | -2.5    | 0.0     |                    | -1.8    | 0.0     |                    | 1.0     | 0.0     |                    | -1.0    | 0.0     |
| <b>GPT3XM</b>            | <b>40.7</b>        | 1.5     | 1.0     | <b>58.6</b>        | 1.3     | 0.2     | <b>35.9</b>        | 1.2     | 0.6     | <b>54.0</b>        | 0.7     | 1.0     | <b>81.1</b>        | 1.5     | 0.7     |
|                          |                    | 12.8    | 1.5     |                    | 6.1     | 0.2     |                    | 9.1     | 0.9     |                    | 3.0     | 0.9     |                    | 6.1     | 0.8     |
| <b>D79YPQ</b>            | <b>20.2</b>        | -0.9    | 0.0     | <b>48.2</b>        | -0.9    | 0.0     | <b>28.2</b>        | 0.2     | 0.0     | <b>48.2</b>        | -0.7    | 0.0     | <b>74.9</b>        | 0.0     | 1.1     |
|                          |                    | -7.7    | 0.0     |                    | -4.3    | 0.0     |                    | 1.4     | 0.0     |                    | -2.8    | 0.0     |                    | -0.1    | 1.2     |
| <b>N6HFCF</b>            | <b>19.1</b>        | -1.0    | 1.8     | <b>51.0</b>        | -0.3    | 1.8     | <b>35.9</b>        | 1.2     | 2.7     | <b>46.8</b>        | -1.0    | 0.6     | <b>72.1</b>        | -0.7    | 0.6     |
|                          |                    | -8.9    | 2.5     |                    | -1.5    | 2.3     |                    | 9.1     | 3.9     |                    | -4.2    | 0.6     |                    | -2.9    | 0.7     |
| <b>9KRXTW</b>            | <b>36.3</b>        | 1.0     | 1.9     | <b>54.6</b>        | 0.4     | 0.5     | <b>34.8</b>        | 1.1     | 2.0     | <b>54.4</b>        | 0.8     | 0.6     | <b>54.5</b>        | -4.8    | 0.9     |
|                          |                    | 8.3     | 2.7     |                    | 2.1     | 0.7     |                    | 8.0     | 2.9     |                    | 3.4     | 0.6     |                    | -20.5   | 0.9     |
| <b>Grand Median</b>      |                    | 27.9    |         | 52.5               |         |         | 26.8               |         |         | 51.0               |         |         | 75.0               |         |         |
| <b>Median Abs Dev</b>    |                    | 6.7     |         | 2.5                |         |         | 4.6                |         |         | 2.3                |         |         | 1.8                |         |         |
| <b>Avg Within Lab SD</b> |                    | 1.4     |         | 1.3                |         |         | 1.5                |         |         | 1.0                |         |         | 1.0                |         |         |
| <b>Labs Included</b>     |                    | 29      |         | 29                 |         |         | 28                 |         |         | 29                 |         |         | 29                 |         |         |
| <b>Labs Reporting</b>    |                    | 29      |         | 29                 |         |         | 28                 |         |         | 29                 |         |         | 29                 |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Silt 50 - 2 um (SubTestCode 190) | in the Particle Size Analysis Property Groups |       |     |             |       |     |             |       |     |             |       |     | Data units: Percent |      |     |
|----------------------------------|---|-------|-----|-------------|-------|-----|-------------|-------|-----|-------------|-------|-----|---------------------|------|-----|
|                                  | SRSSRS1606                                    |       |     | SRSSRS1607  |       |     | SRSSRS1608  |       |     | SRSSRS1609  |       |     | SRSSRS1610          |      |     |
| <b>P2ZHHY</b>                    | <b>46.3</b>                                   | -0.2  | 0.9 | <b>34.2</b> | 0.1   | 1.3 | <b>67.5</b> | 0.2   |     | <b>32.5</b> | 0.2   |     | <b>17.5</b>         | 0.3  |     |
|                                  |   | -1.8  | 1.3 |             | 0.8   | 1.4 |             | 3.2   | 0.0 |             | 1.2   | 0.0 |                     | 0.8  | 0.0 |
| <b>2V9A2L</b>                    | <b>57.3</b>                                   | 1.0   | 1.1 | <b>41.0</b> | 1.4   | 0.9 | <b>75.3</b> | 0.8   | 1.4 | <b>32.0</b> | 0.1   | 1.8 | <b>16.7</b>         | 0.0  | 0.6 |
|                                  |   | 9.3   | 1.5 |             | 7.7   | 1.0 |             | 11.0  | 2.3 |             | 0.7   | 2.0 |                     | 0.0  | 0.6 |
| <b>ETFYA8</b>                    | <b>47.0</b>                                   | -0.1  | 1.4 | <b>31.7</b> | -0.3  | 0.5 | <b>37.7</b> | -2.0  | 0.7 | <b>31.3</b> | 0.0   | 0.5 | <b>16.7</b>         | 0.0  | 0.6 |
|                                  |   | -1.0  | 2.0 |             | -1.7  | 0.6 |             | -26.6 | 1.2 |             | 0.0   | 0.6 |                     | 0.0  | 0.6 |
| <b>QHLKDT</b>                    | <b>47.0</b>                                   | -0.1  | 0.7 | <b>31.3</b> | -0.4  | 1.1 | <b>63.7</b> | 0.0   | 0.3 | <b>29.7</b> | -0.4  | 1.4 | <b>17.0</b>         | 0.1  | 1.8 |
|                                  |   | -1.0  | 1.0 |             | -2.0  | 1.2 |             | -0.6  | 0.6 |             | -1.7  | 1.5 |                     | 0.3  | 1.7 |
| <b>NM37AU</b>                    | <b>45.6</b>                                   | -0.2  | 0.7 | <b>31.6</b> | -0.3  | 1.0 | <b>64.9</b> | 0.0   | 0.8 | <b>30.9</b> | -0.1  | 0.8 | <b>14.3</b>         | -0.9 | 0.2 |
|                                  |   | -2.4  | 1.1 |             | -1.7  | 1.1 |             | 0.6   | 1.3 |             | -0.4  | 0.9 |                     | -2.4 | 0.2 |
| <b>LU92FX</b>                    | <b>48.0</b>                                   | 0.0   |     | <b>36.0</b> | 0.5   |     | <b>68.0</b> | 0.3   |     | <b>30.0</b> | -0.3  |     | <b>16.0</b>         | -0.3 |     |
|                                  |   | 0.0   | 0.0 |             | 2.7   | 0.0 |             | 3.7   | 0.0 |             | -1.3  | 0.0 |                     | -0.7 | 0.0 |
| <b>YM93AG</b>                    | <b>38.5</b>                                   | -1.0  | 0.7 | <b>30.5</b> | -0.5  | 1.2 | <b>69.7</b> | 0.4   | 2.0 | <b>30.4</b> | -0.2  | 2.0 | <b>20.0</b>         | 1.3  | 3.0 |
|                                  |   | -9.5  | 1.0 |             | -2.8  | 1.3 |             | 5.4   | 3.4 |             | -0.9  | 2.2 |                     | 3.3  | 2.9 |
| <b>Z9LAXF</b>                    | <b>51.7</b>                                   | 0.4   | 1.5 | <b>35.3</b> | 0.4   | 3.5 | <b>37.7</b> | -2.0  | 0.3 | <b>34.3</b> | 0.6   | 1.0 | <b>18.0</b>         | 0.5  | 2.7 |
|                                  |   | 3.7   | 2.1 |             | 2.0   | 3.8 |             | -26.6 | 0.6 |             | 3.0   | 1.2 |                     | 1.3  | 2.6 |
| <b>QP24XR</b>                    | <b>27.7</b>                                   | -2.1  | 0.8 | <b>29.0</b> | -0.8  | 1.8 | <b>57.0</b> | -0.6  |     | <b>29.0</b> | -0.5  |     | <b>15.0</b>         | -0.6 |     |
|                                  |   | -20.3 | 1.2 |             | -4.3  | 2.0 |             | -7.3  | 0.0 |             | -2.3  | 0.0 |                     | -1.7 | 0.0 |
| <b>ZTQT9G</b>                    | <b>57.8</b>                                   | 1.0   | 1.4 | <b>38.9</b> | 1.0   | 0.6 | <b>69.5</b> | 0.4   | 0.6 | <b>28.8</b> | -0.5  | 0.4 | <b>15.1</b>         | -0.6 | 0.7 |
|                                  |   | 9.8   | 1.9 |             | 5.6   | 0.6 |             | 5.2   | 0.9 |             | -2.5  | 0.4 |                     | -1.5 | 0.6 |
| <b>HML4ZY</b>                    | <b>62.0</b>                                   | 1.4   |     | <b>40.0</b> | 1.2   |     | <b>56.0</b> | -0.6  |     | <b>34.0</b> | 0.6   |     | <b>16.0</b>         | -0.3 |     |
|                                  |   | 14.0  | 0.0 |             | 6.7   | 0.0 |             | -8.3  | 0.0 |             | 2.7   | 0.0 |                     | -0.7 | 0.0 |
| <b>9P39J6</b>                    | <b>42.3</b>                                   | -0.6  | 0.0 | <b>10.8</b> | -4.0  | 0.0 | <b>63.1</b> | -0.1  | 0.0 | <b>17.0</b> | -3.0  |     | <b>16.5</b>         | -0.1 | 0.0 |
|                                  |   | -5.7  | 0.0 |             | -22.6 | 0.0 |             | -1.2  | 0.0 |             | -14.3 | 0.0 |                     | -0.2 | 0.0 |
| <b>3HG3JC</b>                    | <b>42.0</b>                                   | -0.6  |     | <b>23.0</b> | -1.8  |     | <b>37.0</b> | -2.1  |     | <b>36.0</b> | 1.0   |     | <b>18.0</b>         | 0.5  |     |
|                                  |   | -6.0  | 0.0 |             | -10.3 | 0.0 |             | -27.3 | 0.0 |             | 4.7   | 0.0 |                     | 1.3  | 0.0 |
| <b>XD4VUG</b>                    | <b>48.1</b>                                   | 0.0   |     | <b>32.1</b> | -0.2  |     | <b>48.2</b> | -1.2  |     | <b>30.1</b> | -0.3  |     | <b>16.1</b>         | -0.2 |     |
|                                  |   | 0.1   | 0.0 |             | -1.3  | 0.0 |             | -16.1 | 0.0 |             | -1.3  | 0.0 |                     | -0.6 | 0.0 |
| <b>Z9HQBC</b>                    | <b>48.0</b>                                   | 0.0   |     | <b>33.3</b> | 0.0   | 1.1 | <b>65.3</b> | 0.1   | 0.7 | <b>31.3</b> | 0.0   | 1.0 | <b>16.0</b>         | -0.3 |     |
|                                  |   | 0.0   | 0.0 |             | 0.0   | 1.2 |             | 1.0   | 1.2 |             | 0.0   | 1.2 |                     | -0.7 | 0.0 |
| <b>F4VC3W</b>                    | <b>58.6</b>                                   | 1.1   | 2.0 | <b>36.9</b> | 0.6   | 1.1 | <b>50.7</b> | -1.0  | 2.3 | <b>33.4</b> | 0.4   | 1.3 | <b>16.0</b>         | -0.2 | 1.2 |
|                                  |   | 10.6  | 2.8 |             | 3.6   | 1.1 |             | -13.6 | 3.9 |             | 2.0   | 1.5 |                     | -0.6 | 1.2 |
| <b>RF99BG</b>                    | <b>44.7</b>                                   | -0.3  | 3.2 | <b>32.0</b> | -0.2  |     | <b>71.0</b> | 0.5   |     | <b>35.7</b> | 0.9   | 1.9 | <b>19.0</b>         | 0.9  |     |
|                                  |   | -3.3  | 4.5 |             | -1.3  | 0.0 |             | 6.7   | 0.0 |             | 4.3   | 2.1 |                     | 2.3  | 0.0 |
| <b>EDQREV</b>                    | <b>47.3</b>                                   | -0.1  | 0.8 | <b>35.3</b> | 0.4   | 1.1 | <b>74.0</b> | 0.7   |     | <b>34.3</b> | 0.6   | 1.0 | <b>21.0</b>         | 1.6  |     |
|                                  |   | -0.7  | 1.2 |             | 2.0   | 1.2 |             | 9.7   | 0.0 |             | 3.0   | 1.2 |                     | 4.3  | 0.0 |
| <b>XXB2JC</b>                    | <b>54.8</b>                                   | 0.7   | 0.2 | <b>32.5</b> | -0.1  | 0.3 | <b>68.2</b> | 0.3   | 0.2 | <b>31.4</b> | 0.0   | 0.2 | <b>15.5</b>         | -0.4 | 0.1 |
|                                  |   | 6.8   | 0.3 |             | -0.8  | 0.3 |             | 3.9   | 0.3 |             | 0.0   | 0.2 |                     | -1.1 | 0.1 |
| <b>4TXAV7</b>                    | <b>60.5</b>                                   | 1.3   |     | <b>40.1</b> | 1.2   |     |             |       |     | <b>35.7</b> | 0.9   |     | <b>20.4</b>         | 1.4  |     |
|                                  |   | 12.5  | 0.0 |             | 6.8   | 0.0 |             |       |     |             | 4.4   | 0.0 |                     | 3.7  | 0.0 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|
|                          | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD |
| <b>4QUEC3</b>            | <b>60.7</b> | 1.3     | 0.8     | <b>38.7</b> | 0.9     | 1.1     | <b>74.7</b> | 0.8     | 0.7     | <b>35.3</b> | 0.9     | 1.0     | <b>20.7</b> | 1.5     | 1.2     |
|                          |             | 12.7    | 1.2     |             | 5.3     | 1.2     |             | 10.4    | 1.2     |             | 4.0     | 1.2     |             | 4.0     | 1.2     |
| <b>Z4BZ87</b>            | <b>52.0</b> | 0.4     | 0.6     | <b>35.4</b> | 0.4     | 0.4     | <b>68.9</b> | 0.4     | 0.7     | <b>33.0</b> | 0.4     | 0.5     | <b>19.9</b> | 1.2     | 0.7     |
|                          |             | 4.0     | 0.9     |             | 2.1     | 0.4     |             | 4.6     | 1.2     |             | 1.7     | 0.5     |             | 3.2     | 0.6     |
| <b>ACVHGX</b>            | <b>47.3</b> | -0.1    | 0.2     | <b>34.6</b> | 0.2     | 0.8     | <b>71.4</b> | 0.5     | 0.1     | <b>28.8</b> | -0.5    | 2.0     | <b>16.8</b> | 0.1     | 0.8     |
|                          |             | -0.7    | 0.2     |             | 1.3     | 0.9     |             | 7.1     | 0.2     |             | -2.5    | 2.2     |             | 0.1     | 0.8     |
| <b>MZTJBK</b>            | <b>41.8</b> | -0.6    |         | <b>27.5</b> | -1.0    |         | <b>62.4</b> | -0.1    |         | <b>25.4</b> | -1.3    |         | <b>14.8</b> | -0.7    |         |
|                          |             | -6.2    | 0.0     |             | -5.8    | 0.0     |             | -1.9    | 0.0     |             | -5.9    | 0.0     |             | -1.9    | 0.0     |
| <b>6UNU32</b>            | <b>55.0</b> | 0.7     |         | <b>32.0</b> | -0.2    |         | <b>71.0</b> | 0.5     |         | <b>29.0</b> | -0.5    |         | <b>19.0</b> | 0.9     |         |
|                          |             | 7.0     | 0.0     |             | -1.3    | 0.0     |             | 6.7     | 0.0     |             | -2.3    | 0.0     |             | 2.3     | 0.0     |
| <b>GPT3XM</b>            | <b>38.6</b> | -1.0    | 0.9     | <b>32.8</b> | -0.1    | 0.7     | <b>60.4</b> | -0.3    | 0.4     | <b>30.3</b> | -0.2    | 0.7     | <b>14.1</b> | -1.0    | 1.3     |
|                          |             | -9.4    | 1.3     |             | -0.5    | 0.8     |             | -3.9    | 0.7     |             | -1.0    | 0.8     |             | -2.6    | 1.3     |
| <b>D79YPQ</b>            | <b>65.2</b> | 1.8     | 0.0     | <b>35.2</b> | 0.3     | 0.0     | <b>63.2</b> | -0.1    | 0.0     | <b>34.5</b> | 0.7     | 1.0     | <b>16.5</b> | -0.1    | 1.2     |
|                          |             | 17.2    | 0.0     |             | 1.9     | 0.0     |             | -1.1    | 0.0     |             | 3.2     | 1.2     |             | -0.1    | 1.2     |
| <b>N6HFCF</b>            | <b>61.3</b> | 1.4     | 1.2     | <b>38.0</b> | 0.8     | 1.1     | <b>57.9</b> | -0.5    | 1.9     | <b>37.5</b> | 1.3     | 1.6     | <b>20.4</b> | 1.4     | 0.4     |
|                          |             | 13.3    | 1.6     |             | 4.7     | 1.2     |             | -6.4    | 3.2     |             | 6.2     | 1.8     |             | 3.7     | 0.4     |
| <b>9KRXTW</b>            | <b>45.2</b> | -0.3    | 0.8     | <b>32.4</b> | -0.2    | 0.2     | <b>36.5</b> | -2.1    | 2.9     | <b>16.9</b> | -3.1    | 0.2     | <b>10.6</b> | -2.3    | 0.0     |
|                          |             | -2.8    | 1.1     |             | -1.0    | 0.3     |             | -27.8   | 4.9     |             | -14.5   | 0.3     |             | -6.1    | 0.0     |
| <b>Grand Median</b>      |             | 48.0    |         | 33.3        |         |         | 64.3        |         |         | 31.3        |         |         | 16.7        |         |         |
| <b>Median Abs Dev</b>    |             | 6.0     |         | 2.0         |         |         | 6.5         |         |         | 2.3         |         |         | 1.3         |         |         |
| <b>Avg Within Lab SD</b> |             | 1.4     |         | 1.1         |         |         | 1.7         |         |         | 1.1         |         |         | 1.0         |         |         |
| <b>Labs Included</b>     |             | 29      |         | 29          |         |         | 28          |         |         | 29          |         |         | 29          |         |         |
| <b>Labs Reporting</b>    |             | 29      |         | 29          |         |         | 28          |         |         | 29          |         |         | 29          |         |         |





## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Clay 2 - 0 um (SubTestCode 191) | in the Particle Size Analysis Property Groups |       |     |             |      |     |             |      |     |             |       |     |             |      |     | Data units: Percent |  |  |
|---------------------------------|---|-------|-----|-------------|------|-----|-------------|------|-----|-------------|-------|-----|-------------|------|-----|---------------------|--|--|
|                                 | SRSSRS1606                                    |       |     | SRSSRS1607  |      |     | SRSSRS1608  |      |     | SRSSRS1609  |       |     | SRSSRS1610  |      |     |                     |  |  |
| <b>P2ZHHY</b>                   | <b>24.6</b>                                   | 0.2   | 0.6 | <b>13.3</b> | -0.1 | 1.2 | <b>8.3</b>  | 0.1  | 1.7 | <b>16.7</b> | -0.2  | 1.9 | <b>8.3</b>  | 0.3  | 2.3 |                     |  |  |
|                                 |   | 1.0   | 0.7 |             | -0.7 | 1.4 |             | 0.7  | 1.4 |             | -0.6  | 1.4 |             | 1.3  | 1.4 |                     |  |  |
| <b>2V9A2L</b>                   | <b>22.0</b>                                   | -0.3  | 0.0 | <b>11.3</b> | -0.6 | 0.5 | <b>4.0</b>  | -0.4 |     | <b>15.3</b> | -0.5  | 1.5 | <b>6.0</b>  | -0.2 |     |                     |  |  |
|                                 |   | -1.6  |     |             | -2.7 | 0.6 |             | -3.6 | 0.0 |             | -1.9  | 1.2 |             | -1.0 | 0.0 |                     |  |  |
| <b>ETFYA8</b>                   | <b>24.0</b>                                   | 0.1   |     | <b>13.7</b> | -0.1 | 0.2 | <b>31.0</b> | 2.5  | 1.2 | <b>16.0</b> | -0.3  | 0.7 | <b>6.0</b>  | -0.2 | 0.8 |                     |  |  |
|                                 |   | 0.4   | 0.0 |             | -0.3 | 0.3 |             | 23.4 | 1.0 |             | -1.3  | 0.5 |             | -1.0 | 0.5 |                     |  |  |
| <b>QHLKDT</b>                   | <b>25.0</b>                                   | 0.2   | 0.9 | <b>15.0</b> | 0.2  | 0.8 | <b>9.3</b>  | 0.2  | 0.7 | <b>19.3</b> | 0.6   | 0.8 | <b>7.3</b>  | 0.1  | 0.9 |                     |  |  |
|                                 |   | 1.4   | 1.0 |             | 1.0  | 1.0 |             | 1.7  | 0.6 |             | 2.1   | 0.6 |             | 0.3  | 0.6 |                     |  |  |
| <b>NM37AU</b>                   | <b>26.8</b>                                   | 0.5   | 0.0 | <b>14.8</b> | 0.2  | 0.0 | <b>6.8</b>  | -0.1 | 0.0 | <b>18.1</b> | 0.2   | 1.5 | <b>8.8</b>  | 0.4  | 0.0 |                     |  |  |
|                                 |   | 3.2   | 0.0 |             | 0.8  | 0.0 |             | -0.8 | 0.0 |             | 0.9   | 1.2 |             | 1.8  | 0.0 |                     |  |  |
| <b>LU92FX</b>                   | <b>23.0</b>                                   | -0.1  |     | <b>14.0</b> | 0.0  |     | <b>10.0</b> | 0.3  |     | <b>20.0</b> | 0.7   |     | <b>10.0</b> | 0.7  |     |                     |  |  |
|                                 |   | -0.6  | 0.0 |             | 0.0  | 0.0 |             | 2.4  | 0.0 |             | 2.7   | 0.0 |             | 3.0  | 0.0 |                     |  |  |
| <b>YM93AG</b>                   | <b>25.2</b>                                   | 0.3   | 0.6 | <b>19.9</b> | 1.2  | 2.9 | <b>9.9</b>  | 0.2  | 3.0 | <b>17.9</b> | 0.2   | 1.2 | <b>6.0</b>  | -0.2 | 2.2 |                     |  |  |
|                                 |   | 1.6   | 0.7 |             | 5.9  | 3.5 |             | 2.3  | 2.6 |             | 0.6   | 0.9 |             | -1.0 | 1.4 |                     |  |  |
| <b>Z9LAXF</b>                   | <b>23.0</b>                                   | -0.1  | 0.9 | <b>13.3</b> | -0.1 | 1.3 | <b>43.7</b> | 3.9  | 0.7 | <b>17.0</b> | -0.1  |     | <b>7.0</b>  | 0.0  |     |                     |  |  |
|                                 |   | -0.6  | 1.0 |             | -0.7 | 1.5 |             | 36.1 | 0.6 |             | -0.3  | 0.0 |             | 0.0  | 0.0 |                     |  |  |
| <b>QP24XR</b>                   | <b>25.0</b>                                   | 0.2   |     | <b>14.3</b> | 0.1  | 1.0 | <b>11.0</b> | 0.4  |     | <b>17.0</b> | -0.1  |     | <b>7.0</b>  | 0.0  | 0.0 |                     |  |  |
|                                 |   | 1.4   | 0.0 |             | 0.3  | 1.2 |             | 3.4  | 0.0 |             | -0.3  | 0.0 |             | 0.0  | 0.0 |                     |  |  |
| <b>ZTQT9G</b>                   | <b>24.1</b>                                   | 0.1   | 0.2 | <b>17.6</b> | 0.7  | 0.6 | <b>8.3</b>  | 0.1  | 0.7 | <b>23.8</b> | 1.8   | 0.3 | <b>11.7</b> | 1.1  | 0.2 |                     |  |  |
|                                 |   | 0.5   | 0.2 |             | 3.6  | 0.7 |             | 0.7  | 0.6 |             | 6.5   | 0.2 |             | 4.7  | 0.1 |                     |  |  |
| <b>HML4ZY</b>                   | <b>9.0</b>                                    | -2.5  |     | <b>5.0</b>  | -1.9 |     | <b>5.0</b>  | -0.3 |     | <b>15.0</b> | -0.6  |     | <b>3.0</b>  | -1.0 |     |                     |  |  |
|                                 |   | -14.6 | 0.0 |             | -9.0 | 0.0 |             | -2.6 | 0.0 |             | -2.3  | 0.0 |             | -4.0 | 0.0 |                     |  |  |
| <b>9P39J6</b>                   | <b>29.1</b>                                   | 0.9   | 0.0 | <b>19.0</b> | 1.0  |     | <b>9.1</b>  | 0.2  | 0.0 | <b>21.4</b> | 1.1   | 0.0 | <b>7.1</b>  | 0.0  | 0.0 |                     |  |  |
|                                 |   | 5.5   | 0.0 |             | 5.0  | 0.0 |             | 1.5  | 0.0 |             | 4.1   | 0.0 |             | 0.1  | 0.0 |                     |  |  |
| <b>3HG3JC</b>                   | <b>38.0</b>                                   | 2.5   |     | <b>26.0</b> | 2.5  |     | <b>32.0</b> | 2.6  |     | <b>18.0</b> | 0.2   |     | <b>10.0</b> | 0.7  |     |                     |  |  |
|                                 |   | 14.4  | 0.0 |             | 12.0 | 0.0 |             | 24.4 | 0.0 |             | 0.7   | 0.0 |             | 3.0  | 0.0 |                     |  |  |
| <b>XD4VUG</b>                   | <b>24.0</b>                                   | 0.1   |     | <b>16.0</b> | 0.4  |     | <b>24.0</b> | 1.8  |     | <b>18.1</b> | 0.2   |     | <b>8.1</b>  | 0.3  |     |                     |  |  |
|                                 |   | 0.4   | 0.0 |             | 2.0  | 0.0 |             | 16.4 | 0.0 |             | 0.8   | 0.0 |             | 1.1  | 0.0 |                     |  |  |
| <b>Z9HQBC</b>                   | <b>31.7</b>                                   | 1.4   | 1.0 | <b>19.7</b> | 1.2  | 1.0 | <b>14.3</b> | 0.7  | 1.3 | <b>21.7</b> | 1.2   | 1.5 | <b>11.0</b> | 1.0  |     |                     |  |  |
|                                 |   | 8.1   | 1.2 |             | 5.7  | 1.2 |             | 6.7  | 1.2 |             | 4.4   | 1.2 |             | 4.0  | 0.0 |                     |  |  |
| <b>F4VC3W</b>                   | <b>5.9</b>                                    | -3.0  | 0.7 | <b>5.0</b>  | -1.9 | 1.2 | <b>4.8</b>  | -0.3 | 0.2 | <b>4.9</b>  | -3.4  | 1.0 | <b>2.0</b>  | -1.2 | 1.2 |                     |  |  |
|                                 |   | -17.7 | 0.8 |             | -9.0 | 1.4 |             | -2.8 | 0.1 |             | -12.4 | 0.8 |             | -5.0 | 0.8 |                     |  |  |
| <b>RF99BG</b>                   | <b>20.7</b>                                   | -0.5  | 1.3 | <b>12.7</b> | -0.3 | 1.0 | <b>3.7</b>  | -0.4 | 1.2 | <b>14.3</b> | -0.8  | 0.8 | <b>4.3</b>  | -0.7 | 1.7 |                     |  |  |
|                                 |   | -2.9  | 1.5 |             | -1.3 | 1.2 |             | -3.9 | 1.0 |             | -2.9  | 0.6 |             | -2.7 | 1.0 |                     |  |  |
| <b>EDQREV</b>                   | <b>28.0</b>                                   | 0.8   |     | <b>15.3</b> | 0.3  | 1.0 | <b>6.7</b>  | -0.1 | 1.3 | <b>20.0</b> | 0.7   |     | <b>8.7</b>  | 0.4  | 1.9 |                     |  |  |
|                                 |   | 4.4   | 0.0 |             | 1.3  | 1.2 |             | -1.0 | 1.2 |             | 2.7   | 0.0 |             | 1.7  | 1.2 |                     |  |  |
| <b>XXB2JC</b>                   | <b>23.3</b>                                   | 0.0   | 0.1 | <b>14.2</b> | 0.0  | 0.2 | <b>5.3</b>  | -0.3 | 0.1 | <b>15.3</b> | -0.5  | 0.2 | <b>5.2</b>  | -0.4 | 0.1 |                     |  |  |
|                                 |   | -0.3  | 0.1 |             | 0.2  | 0.2 |             | -2.4 | 0.1 |             | -1.9  | 0.1 |             | -1.8 | 0.1 |                     |  |  |
| <b>4TXAV7</b>                   | <b>21.9</b>                                   | -0.3  |     | <b>6.1</b>  | -1.6 |     |             |      |     | <b>15.3</b> | -0.5  |     | <b>2.7</b>  | -1.0 |     |                     |  |  |
|                                 |   | -1.7  | 0.0 |             | -8.0 | 0.0 |             |      |     |             | -2.0  | 0.0 |             | -4.3 | 0.0 |                     |  |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | 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 |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |
| <b>4QUEC3</b>            | <b>21.3</b>        | -0.4    | 1.0     | <b>12.7</b>        | -0.3    | 1.0     | <b>6.0</b>         | -0.2    |         | <b>17.3</b>        | 0.0     | 1.5     | <b>6.0</b>         | -0.2    |         |
|                          |                    | -2.3    | 1.2     |                    | -1.3    | 1.2     |                    | -1.6    | 0.0     |                    | 0.1     | 1.2     |                    | -1.0    | 0.0     |
| <b>Z4BZ87</b>            | <b>23.5</b>        | 0.0     | 1.2     | <b>12.1</b>        | -0.4    | 1.1     | <b>5.4</b>         | -0.2    | 0.4     | <b>17.1</b>        | -0.1    | 0.7     | <b>6.0</b>         | -0.2    | 1.4     |
|                          |                    | -0.1    | 1.4     |                    | -1.9    | 1.3     |                    | -2.2    | 0.3     |                    | -0.2    | 0.5     |                    | -1.0    | 0.9     |
| <b>ACVHGX</b>            | <b>23.6</b>        | 0.0     | 0.0     | <b>11.5</b>        | -0.5    | 0.2     | <b>3.5</b>         | -0.4    | 0.3     | <b>16.8</b>        | -0.1    | 1.4     | <b>6.0</b>         | -0.2    | 1.1     |
|                          |                    | 0.0     | 0.0     |                    | -2.5    | 0.2     |                    | -4.2    | 0.2     |                    | -0.5    | 1.1     |                    | -1.0    | 0.7     |
| <b>MZTJBK</b>            | <b>28.8</b>        | 0.9     |         | <b>17.4</b>        | 0.7     |         | <b>6.9</b>         | -0.1    |         | <b>20.6</b>        | 0.9     |         | <b>10.8</b>        | 0.9     |         |
|                          |                    | 5.2     | 0.0     |                    | 3.4     | 0.0     |                    | -0.7    | 0.0     |                    | 3.3     | 0.0     |                    | 3.8     | 0.0     |
| <b>6UNU32</b>            | <b>27.0</b>        | 0.6     |         | <b>18.0</b>        | 0.8     |         | <b>4.0</b>         | -0.4    |         | <b>19.0</b>        | 0.5     |         | <b>7.0</b>         | 0.0     |         |
|                          |                    | 3.4     | 0.0     |                    | 4.0     | 0.0     |                    | -3.6    | 0.0     |                    | 1.7     | 0.0     |                    | 0.0     | 0.0     |
| <b>GPT3XM</b>            | <b>20.7</b>        | -0.5    | 0.3     | <b>8.6</b>         | -1.1    | 0.8     | <b>3.6</b>         | -0.4    | 0.3     | <b>15.7</b>        | -0.4    | 0.2     | <b>4.8</b>         | -0.5    | 0.8     |
|                          |                    | -2.9    | 0.3     |                    | -5.4    | 1.0     |                    | -4.0    | 0.3     |                    | -1.6    | 0.2     |                    | -2.2    | 0.5     |
| <b>D79YPQ</b>            | <b>14.6</b>        | -1.5    | 0.0     | <b>16.6</b>        | 0.5     | 0.0     | <b>8.6</b>         | 0.1     | 0.0     | <b>17.3</b>        | 0.0     | 1.5     | <b>8.6</b>         | 0.4     | 0.0     |
|                          |                    | -9.0    | 0.0     |                    | 2.6     | 0.0     |                    | 1.0     | 0.0     |                    | 0.0     | 1.2     |                    | 1.6     | 0.0     |
| <b>N6HFCF</b>            | <b>19.6</b>        | -0.7    | 3.4     | <b>10.9</b>        | -0.6    | 2.8     | <b>6.1</b>         | -0.2    | 1.0     | <b>15.7</b>        | -0.4    | 2.4     | <b>7.5</b>         | 0.1     | 1.7     |
|                          |                    | -4.0    | 3.9     |                    | -3.1    | 3.3     |                    | -1.5    | 0.9     |                    | -1.6    | 1.8     |                    | 0.5     | 1.1     |
| <b>9KRXTW</b>            | <b>18.5</b>        | -0.9    | 3.0     | <b>13.0</b>        | -0.2    | 0.4     | <b>28.7</b>        | 2.3     | 2.7     | <b>28.8</b>        | 3.1     | 1.0     | <b>34.9</b>        | 6.8     | 1.5     |
|                          |                    | -5.1    | 3.4     |                    | -1.0    | 0.5     |                    | 21.1    | 2.3     |                    | 11.5    | 0.8     |                    | 27.9    | 0.9     |
| <b>Grand Median</b>      |                    | 23.6    |         |                    | 14.0    |         |                    | 7.62    |         |                    | 17.3    |         |                    | 7.00    |         |
| <b>Median Abs Dev</b>    |                    | 2.3     |         |                    | 2.5     |         |                    | 2.50    |         |                    | 1.7     |         |                    | 1.60    |         |
| <b>Avg Within Lab SD</b> |                    | 1.1     |         |                    | 1.2     |         |                    | 0.87    |         |                    | 0.8     |         |                    | 0.62    |         |
| <b>Labs Included</b>     |                    | 29      |         |                    | 29      |         |                    | 28      |         |                    | 29      |         |                    | 29      |         |
| <b>Labs Reporting</b>    |                    | 29      |         |                    | 29      |         |                    | 28      |         |                    | 29      |         |                    | 29      |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Field Moisture Capacity (SubTestCode 192) | in the Moisture Property Groups |            |             |            |             |            |             |            |            |            | Data units: % |
|---|---------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|------------|------------|---------------|
|   | SRSSRS1606                      |            | SRSSRS1607  |            | SRSSRS1608  |            | SRSSRS1609  |            | SRSSRS1610 |            |               |
| <b>ESKYJY</b>                             | <b>31.5</b>                     | 1.0<br>0.3 | <b>24.0</b> | 1.0<br>0.0 | <b>34.7</b> | 1.0<br>0.1 | <b>18.3</b> | 1.0<br>0.0 | <b>8.8</b> | 1.0<br>0.3 |               |
| <b>Grand Median</b>                       | 31.5                            |            | 24.0        |            | 34.7        |            | 18.3        |            | 8.84       |            |               |
| <b>Median Abs Dev</b>                     |                                 |            |             |            |             |            |             |            |            |            |               |
| <b>Avg Within Lab SD</b>                  | 0.3                             |            | 0.0         |            | 0.1         |            | 0.0         |            | 0.33       |            |               |
| <b>Labs Included</b>                      | 1                               |            | 1           |            | 1           |            | 1           |            | 1          |            |               |
| <b>Labs Reporting</b>                     | 1                               |            | 1           |            | 1           |            | 1           |            | 1          |            |               |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Permanent Wilting Point (SubTestCode 193) | in the Moisture Property Groups |              |             |              |              | Data units: % |             |              |             |              |
|---|---------------------------------|--------------|-------------|--------------|--------------|---------------|-------------|--------------|-------------|--------------|
| SRSSRS1606                                | SRSSRS1607                      | SRSSRS1608   | SRSSRS1609  | SRSSRS1610   | SRSSRS1610   | SRSSRS1610    |             |              |             |              |
| <b>E8KYJY</b>                             | <b>11.73</b>                    | 1.00<br>0.09 | <b>5.31</b> | 1.00<br>0.03 | <b>17.42</b> | 1.00<br>0.01  | <b>6.82</b> | 1.00<br>0.04 | <b>2.62</b> | 1.00<br>0.11 |
| <b>Grand Median</b>                       | 11.7                            |              | 5.31        |              | 17.4         |               | 6.82        |              | 2.62        |              |
| <b>Median Abs Dev</b>                     |                                 |              |             |              |              |               |             |              |             |              |
| <b>Avg Within Lab SD</b>                  | 0.1                             |              | 0.03        |              | 0.0          |               | 0.04        |              | 0.11        |              |
| <b>Labs Included</b>                      | 1                               |              | 1           |              | 1            |               | 1           |              | 1           |              |
| <b>Labs Reporting</b>                     | 1                               |              | 1           |              | 1            |               | 1           |              | 1           |              |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Available Water Content (SubTestCode 194) | in the Moisture Property Groups |             |             |             |            |     |     |     | Data units: % |     |
|---|---------------------------------|-------------|-------------|-------------|------------|-----|-----|-----|---------------|-----|
|   | SRSSRS1606                      | SRSSRS1607  | SRSSRS1608  | SRSSRS1609  | SRSSRS1610 |     |     |     |               |     |
| <b>E8KYJY</b>                             | <b>19.7</b>                     | <b>18.7</b> | <b>17.2</b> | <b>11.5</b> | <b>6.2</b> | 1.0 | 1.0 | 1.0 | 1.0           | 1.0 |
|   | 0.2                             | 0.0         | 0.1         | 0.0         | 0.2        | 0.2 | 0.0 | 0.0 | 0.0           | 0.2 |
| <b>Grand Median</b>                       | 19.7                            | 18.7        | 17.2        | 11.5        | 6.23       |     |     |     |               |     |
| <b>Median Abs Dev</b>                     |                                 |             |             |             |            |     |     |     |               |     |
| <b>Avg Within Lab SD</b>                  | 0.2                             | 0.0         | 0.1         | 0.0         | 0.22       |     |     |     |               |     |
| <b>Labs Included</b>                      | 1                               | 1           | 1           | 1           | 1          |     |     |     |               |     |
| <b>Labs Reporting</b>                     | 1                               | 1           | 1           | 1           | 1          |     |     |     |               |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups |             |       |      |             |       |      |             |       |      |             |      |      |             |      | Data units: mg/kg |  |
|--|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|------|------|-------------|------|-------------------|--|
|  | SRSSRS1606  |       |      | SRSSRS1607  |       |      | SRSSRS1608  |       |      | SRSSRS1609  |      |      | SRSSRS1610  |      |                   |  |
| <b>2V9A2L</b>  | <b>37.9</b> | -0.1  | 0.4  | <b>19.2</b> | -0.5  | 0.1  | <b>16.8</b> | -0.5  | 0.1  | <b>14.4</b> | 0.1  | 0.1  | <b>13.8</b> | 0.5  | 0.1               |  |
|  |             | -4.3  | 8.0  |             | -18.3 | 1.5  |             | -17.0 | 1.8  |             | 1.7  | 0.6  |             | 6.0  | 1.3               |  |
| <b>9G9ZXE</b>  | <b>58.1</b> | 0.4   | 0.2  | <b>52.4</b> | 0.4   | 0.3  | <b>59.2</b> | 0.7   | 0.4  | <b>7.7</b>  | -0.4 | 0.2  | <b>9.9</b>  | 0.2  | 0.6               |  |
|  |             | 15.9  | 4.2  |             | 14.9  | 4.7  |             | 25.4  | 6.0  |             | -5.0 | 1.7  |             | 2.1  | 6.6               |  |
| <b>4XUXCD</b>  | <b>83.7</b> | 1.2   | 0.1  | <b>66.0</b> | 0.8   | 0.1  | <b>70.7</b> | 1.1   | 0.1  | <b>37.0</b> | 2.1  | 0.1  | <b>15.7</b> | 0.6  | 0.1               |  |
|  |             | 41.5  | 1.5  |             | 28.5  | 1.0  |             | 36.8  | 1.2  |             | 24.3 | 1.0  |             | 7.9  | 0.6               |  |
| <b>HML4ZY</b>  | <b>7.8</b>  | -1.0  |      | <b>11.7</b> | -0.7  |      | <b>7.5</b>  | -0.8  |      | <b>8.9</b>  | -0.3 |      | <b>5.7</b>  | -0.2 |                   |  |
|  |             | -34.4 | 0.0  |             | -25.8 | 0.0  |             | -26.4 | 0.0  |             | -3.8 | 0.0  |             | -2.1 | 0.0               |  |
| <b>Q2DTBN</b>  | <b>12.4</b> | -0.8  | 0.0  | <b>22.6</b> | -0.4  | 0.0  | <b>17.6</b> | -0.5  | 0.0  | <b>15.3</b> | 0.2  | 0.0  | <b>3.8</b>  | -0.3 | 0.0               |  |
|  |             | -29.9 | 0.1  |             | -14.9 | 0.1  |             | -16.2 | 0.1  |             | 2.6  | 0.1  |             | -4.0 | 0.1               |  |
| <b>9WKG82</b>  | <b>66.0</b> | 0.7   | 2.8  | <b>69.0</b> | 0.9   | 2.8  | <b>55.0</b> | 0.6   | 2.8  | <b>32.0</b> | 1.7  | 2.7  | <b>45.7</b> | 3.0  | 2.8               |  |
|  |             | 23.8  | 52.0 |             | 31.5  | 50.2 |             | 21.2  | 43.3 |             | 19.3 | 19.1 |             | 37.9 | 28.7              |  |
| <b>EJR4AR</b>  | <b>46.5</b> | 0.1   | 0.3  | <b>70.7</b> | 0.9   | 0.3  | <b>50.0</b> | 0.5   | 0.1  | <b>8.5</b>  | -0.4 | 0.4  | <b>3.9</b>  | -0.3 | 0.0               |  |
|  |             | 4.3   | 5.3  |             | 33.2  | 4.6  |             | 16.2  | 2.3  |             | -4.2 | 2.9  |             | -3.9 | 0.3               |  |
| <b>HU3FFL</b>  | <b>3.2</b>  | -1.1  | 0.0  | <b>4.8</b>  | -0.9  | 0.1  | <b>4.9</b>  | -0.8  | 0.0  | <b>11.0</b> | -0.1 | 0.4  | <b>3.6</b>  | -0.3 | 0.0               |  |
|  |             | -39.0 | 0.1  |             | -32.7 | 1.2  |             | -28.9 | 0.8  |             | -1.7 | 2.9  |             | -4.2 | 0.3               |  |
| <b>Grand Median</b>  |             | 42.2  |      | 37.5        |       |      | 33.8        |       |      | 12.7        |      |      | 7.81        |      |                   |  |
| <b>Median Abs Dev</b>  |             | 26.8  |      | 27.2        |       |      | 23.3        |       |      | 4.0         |      |      | 4.11        |      |                   |  |
| <b>Avg Within Lab SD</b>   |             | 18.8  |      | 17.9        |       |      | 15.5        |       |      | 6.9         |      |      | 10.44       |      |                   |  |
| <b>Labs Included</b>   |             | 8     |      | 8           |       |      | 8           |       |      | 8           |      |      | 8           |      |                   |  |
| <b>Labs Reporting</b>  |             | 8     |      | 8           |       |      | 8           |       |      | 8           |      |      | 8           |      |                   |  |



## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Soil Nitrogen Mineralization Potential (SubTestCode 197) | in the Other 2 Property Groups |      |             |      |             |      |             |      |             |      | Data units: mg/kg |
|--|--------------------------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------------|
|  | SRSSRS1606                     |      | SRSSRS1607  |      | SRSSRS1608  |      | SRSSRS1609  |      | SRSSRS1610  |      |                   |
| <b>2V9A2L</b>  | <b>53.0</b>                    | 1.0  | <b>34.7</b> | 1.0  | <b>32.0</b> | 1.0  | <b>29.0</b> | 1.0  | <b>28.3</b> | 1.0  | 1.0               |
|  |                                | 7.0  |             | 1.5  |             | 2.0  |             | 1.0  |             | 1.5  |                   |
| <b>Grand Median</b>                                      |                                | 53.0 |             | 34.7 |             | 32.0 |             | 29.0 |             | 28.3 |                   |
| <b>Median Abs Dev</b>                                    |                                |      |             |      |             |      |             |      |             |      |                   |
| <b>Avg Within Lab SD</b>                                 |                                | 7.0  |             | 1.5  |             | 2.0  |             | 1.0  |             | 1.5  |                   |
| <b>Labs Included</b>                                     |                                | 1    |             | 1    |             | 1    |             | 1    |             | 1    |                   |
| <b>Labs Reporting</b>                                    |                                | 1    |             | 1    |             | 1    |             | 1    |             | 1    |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| 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 |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| DTPA-sorbitol extractable S (SubTestCode 198) | in the Other 2 Property Groups |            |             |            | Data units: mg/kg |             |             |
|---|--------------------------------|------------|-------------|------------|-------------------|-------------|-------------|
|   | SRSSRS1606                     | SRSSRS1607 | SRSSRS1608  | SRSSRS1609 | SRSSRS1610        |             |             |
| <b>2V9A2L</b>                                 | <b>13.0</b>                    |            | <b>12.0</b> |            | <b>1,581.0</b>    | <b>24.3</b> | <b>10.7</b> |
|   |                                | 0.0        |             | 0.0        | 0.7               | 0.7         | 1.0         |
|   |                                | 1.0        |             | 1.0        | 2.6               | 1.2         | 0.6         |
| <b>EJR4AR</b>                                 | <b>15.7</b>                    |            | <b>16.3</b> |            | <b>2,308.3</b>    | <b>31.0</b> | <b>14.7</b> |
|   |                                | 0.6        |             | 0.6        | 1.2               | 2.0         | 1.0         |
|   |                                | 0.6        |             | 0.6        | 4.6               |             | 0.6         |
| <b>Grand Median</b>                           | 14.3                           |            | 14.2        |            | 1,944.7           | 27.7        | 12.7        |
| <b>Median Abs Dev</b>                         |                                |            |             |            |                   |             |             |
| <b>Avg Within Lab SD</b>                      | 0.6                            |            | 0.6         |            | 3.8               | 1.6         | 0.6         |
| <b>Labs Included</b>                          | 2                              |            | 2           |            | 2                 | 2           | 2           |
| <b>Labs Reporting</b>                         | 2                              |            | 2           |            | 2                 | 2           | 2           |





## ALP Program - Participant Web Summary Report - Cycle 30

| 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 |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| DTPA-sorbitol extractable AI (SubTestCode 199) | in the Other 2 Property Groups |             |             |     | Data units: mg/kg |     |             |      |
|--|--------------------------------|-------------|-------------|-----|-------------------|-----|-------------|------|
| SRSSRS1606                                     | SRSSRS1607                     |             | SRSSRS1608  |     | SRSSRS1609        |     | SRSSRS1610  |      |
| <b>2V9A2L</b>                                  |                                | <b>32.7</b> | 0.7         |     | <b>6.0</b>        | 0.0 | <b>8.7</b>  | 0.5  |
|  |                                |             | 0.6         |     |                   |     |             | 0.6  |
| <b>EJR4AR</b>                                  | <b>0.6</b>                     | 1.0         | <b>36.8</b> | 1.2 | <b>0.1</b>        | 1.0 | <b>10.5</b> | 1.0  |
|  |                                | 0.4         |             | 1.0 |                   | 0.1 |             | 1.9  |
| <b>Grand Median</b>                            | 0.56                           |             | 34.7        |     | 0.12              |     | 8.27        | 15.5 |
| <b>Median Abs Dev</b>                          |                                |             |             |     |                   |     |             |      |
| <b>Avg Within Lab SD</b>                       | 0.38                           |             | 0.8         |     | 0.08              |     | 1.87        | 1.3  |
| <b>Labs Included</b>                           | 1                              |             | 2           |     | 1                 |     | 2           | 2    |
| <b>Labs Reporting</b>                          | 1                              |             | 2           |     | 1                 |     | 2           | 2    |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Dry Matter (%) (SubTestCode 201) |             |      |     |             |      |     |             |      |     |             | Data units: Percent |     |
|----------------------------------|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|---------------------|-----|
|                                  | SRBSRB1605  |      |     | SRBSRB1606  |      |     | SRBSRB1607  |      |     |             |                     |     |
| <b>P2ZHHY</b>                    | <b>88.6</b> | 0.6  | 0.8 | <b>93.1</b> | 0.1  | 0.7 | <b>94.4</b> | 0.2  | 0.2 | <b>93.0</b> | 0.0                 | 0.0 |
|                                  |             | 1.1  | 0.1 |             | 0.1  | 0.1 |             | 0.3  | 0.0 |             | 0.2                 | 0.0 |
| <b>2V9A2L</b>                    | <b>88.6</b> | 0.5  | 0.0 | <b>93.2</b> | 0.2  | 0.0 | <b>94.5</b> | 0.2  | 0.0 | <b>92.8</b> | 0.0                 | 0.0 |
|                                  |             | 1.0  | 0.0 |             | 0.2  | 0.0 |             | 0.3  | 0.0 |             | 0.0                 | 0.0 |
| <b>ETFYA8</b>                    | <b>88.3</b> | 0.4  | 0.8 | <b>92.6</b> | -0.5 | 0.9 | <b>94.6</b> | 0.2  | 0.5 | <b>91.9</b> | -0.1                | 0.2 |
|                                  |             | 0.7  | 0.1 |             | -0.5 | 0.1 |             | 0.4  | 0.1 |             | -0.9                | 0.3 |
| <b>WN8QDL</b>                    | <b>82.4</b> | -2.7 | 0.2 | <b>91.7</b> | -1.4 | 0.2 | <b>90.4</b> | -2.3 | 0.1 | <b>91.0</b> | -0.2                | 0.0 |
|                                  |             | -5.2 | 0.0 |             | -1.3 | 0.0 |             | -3.8 | 0.0 |             | -1.7                | 0.0 |
| <b>LU92FX</b>                    | <b>87.6</b> | 0.0  | 0.0 | <b>93.0</b> | 0.0  | 0.0 | <b>93.6</b> | -0.4 | 0.0 | <b>0.9</b>  | -8.2                | 0.0 |
|                                  |             | 0.0  | 0.0 |             | 0.0  | 0.0 |             | -0.6 | 0.0 |             | -91.8               | 0.0 |
| <b>JMZPA2</b>                    | <b>86.9</b> | -0.4 | 0.1 | <b>93.4</b> | 0.4  | 0.1 | <b>94.4</b> | 0.1  | 0.1 | <b>93.1</b> | 0.0                 | 0.0 |
|                                  |             | -0.7 | 0.0 |             | 0.4  | 0.0 |             | 0.2  | 0.0 |             | 0.3                 | 0.0 |
| <b>Z3VZNG</b>                    | <b>89.3</b> | 0.9  | 0.9 | <b>94.9</b> | 1.9  | 1.9 | <b>96.0</b> | 1.1  | 0.2 | <b>93.7</b> | 0.1                 | 0.1 |
|                                  |             | 1.7  | 0.1 |             | 1.9  | 0.3 |             | 1.8  | 0.1 |             | 1.0                 | 0.1 |
| <b>XD4VUG</b>                    | <b>87.4</b> | -0.1 | 1.0 | <b>94.4</b> | 1.4  | 0.5 | <b>94.1</b> | -0.1 | 0.9 | <b>93.4</b> | 0.1                 | 0.2 |
|                                  |             | -0.2 | 0.1 |             | 1.3  | 0.1 |             | -0.1 | 0.2 |             | 0.6                 | 0.2 |
| <b>9GTK67</b>                    | <b>88.4</b> | 0.4  | 1.7 | <b>92.6</b> | -0.5 | 2.1 | <b>89.8</b> | -2.7 | 3.4 | <b>93.9</b> | 0.1                 | 3.6 |
|                                  |             | 0.8  | 0.2 |             | -0.5 | 0.3 |             | -4.4 | 0.9 |             | 1.2                 | 3.9 |
| <b>BX698W</b>                    | <b>87.5</b> | 0.0  | 2.2 | <b>94.5</b> | 1.5  | 0.3 | <b>93.4</b> | -0.5 | 0.2 | <b>92.9</b> | 0.0                 | 0.0 |
|                                  |             | -0.1 | 0.2 |             | 1.5  | 0.0 |             | -0.8 | 0.1 |             | 0.1                 | 0.0 |
| <b>ACVHGX</b>                    | <b>86.8</b> | -0.4 | 1.5 | <b>92.6</b> | -0.4 | 1.7 | <b>94.2</b> | 0.0  | 0.7 | <b>92.7</b> | 0.0                 | 0.1 |
|                                  |             | -0.7 | 0.2 |             | -0.4 | 0.3 |             | 0.0  | 0.2 |             | -0.1                | 0.1 |
| <b>D84HQR</b>                    | <b>84.1</b> | -1.8 | 0.0 | <b>92.8</b> | -0.3 | 0.0 | <b>93.0</b> | -0.7 | 0.0 | <b>92.7</b> | 0.0                 | 0.0 |
|                                  |             | -3.5 | 0.0 |             | -0.3 | 0.0 |             | -1.2 | 0.0 |             | -0.1                | 0.0 |
| <b>9KRXTW</b>                    | <b>88.5</b> | 0.5  | 0.3 | <b>92.8</b> | -0.3 | 0.1 | <b>94.7</b> | 0.3  | 0.2 | <b>92.8</b> | 0.0                 | 0.0 |
|                                  |             | 0.9  | 0.0 |             | -0.3 | 0.0 |             | 0.5  | 0.0 |             | 0.0                 | 0.0 |
| <b>Grand Median</b>              |             | 87.6 |     | 93.0        |      |     | 94.2        |      |     | 92.8        |                     |     |
| <b>Median Abs Dev</b>            |             | 0.8  |     | 0.4         |      |     | 0.5         |      |     | 0.3         |                     |     |
| <b>Avg Within Lab SD</b>         |             | 0.1  |     | 0.2         |      |     | 0.3         |      |     | 1.1         |                     |     |
| <b>Labs Included</b>             |             | 13   |     | 13          |      |     | 13          |      |     | 13          |                     |     |
| <b>Labs Reporting</b>            |             | 13   |     | 13          |      |     | 13          |      |     | 13          |                     |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3 - N Cd Rd. (SubTestCode 202) <span style="float: right;">Data units: mg/kg</span> |                |          |       |              |        |       |                 |           |         |                 |           |         |
|---|----------------|----------|-------|--------------|--------|-------|-----------------|-----------|---------|-----------------|-----------|---------|
|   | SRBSRB1605     |          |       | SRBSRB1606   |        |       | SRBSRB1607      |           |         |                 |           |         |
| <b>P2ZHHY</b>   | <b>7,182.1</b> | 0.6      | 0.1   | <b>356.5</b> | 0.1    | 0.1   | <b>10,403.8</b> | 0.0       | 0.0     | <b>14,673.4</b> | 0.0       | 0.1     |
|   |                | 726.4    | 31.7  |              | 11.2   | 2.2   |                 | 0.0       | 20.1    |                 | -88.9     | 82.3    |
| <b>9G9ZXE</b>   | <b>6,511.7</b> | 0.0      | 0.5   | <b>161.7</b> | -1.8   | 0.9   | <b>10,148.0</b> | -0.2      | 0.6     | <b>14,762.3</b> | 0.0       | 0.6     |
|   |                | 56.0     | 191.7 |              | -183.7 | 38.2  |                 | -255.8    | 493.4   |                 | 0.0       | 478.5   |
| <b>7LQLUF</b>   | <b>6,290.0</b> | -0.1     | 0.0   | <b>530.0</b> | 1.8    | 2.8   | <b>10,195.7</b> | -0.2      | 0.4     | <b>14,367.7</b> | -0.2      | 0.3     |
|   |                | -165.7   | 10.8  |              | 184.7  | 115.5 |                 | -208.2    | 309.0   |                 | -394.7    | 198.0   |
| <b>UJH8JT</b>   | <b>5,329.3</b> | -0.9     | 1.3   | <b>315.0</b> | -0.3   | 0.8   | <b>7,573.0</b>  | -2.2      | 1.1     | <b>10,356.0</b> | -2.4      | 1.7     |
|   |                | -1,126.3 | 471.8 |              | -30.3  | 33.0  |                 | -2,830.8  | 931.1   |                 | -4,406.3  | 1,293.0 |
| <b>ETFYA8</b>   | <b>7,536.3</b> | 0.8      | 0.1   | <b>277.0</b> | -0.7   | 0.6   | <b>10,498.7</b> | 0.1       | 0.1     | <b>15,501.7</b> | 0.4       | 0.4     |
|   |                | 1,080.7  | 29.3  |              | -68.3  | 24.5  |                 | 94.8      | 117.0   |                 | 739.3     | 317.4   |
| <b>NM37AU</b>   | <b>5,800.0</b> | -0.5     | 0.4   | <b>312.6</b> | -0.3   | 0.3   | <b>10,433.3</b> | 0.0       | 0.4     | <b>16,700.0</b> | 1.1       | 0.4     |
|   |                | -655.7   | 160.0 |              | -32.7  | 12.1  |                 | 29.5      | 321.5   |                 | 1,937.7   | 300.0   |
| <b>LU92FX</b>   | <b>7,432.0</b> | 0.7      | 1.0   | <b>452.0</b> | 1.0    | 0.6   | <b>10,179.3</b> | -0.2      | 0.6     | <b>17,241.3</b> | 1.4       | 0.2     |
|   |                | 976.3    | 351.7 |              | 106.7  | 25.0  |                 | -224.5    | 507.5   |                 | 2,479.0   | 140.0   |
| <b>KG6H4X</b>   | <b>6,455.7</b> | 0.0      | 0.4   | <b>363.7</b> | 0.2    | 0.2   | <b>10,893.3</b> | 0.4       | 0.8     | <b>14,146.7</b> | -0.3      | 0.3     |
|   |                | 0.0      | 157.5 |              | 18.3   | 9.5   |                 | 489.5     | 627.2   |                 | -615.7    | 230.5   |
| <b>KJBZ3T</b>   | <b>0.5</b>     | -4.9     | 0.0   | <b>0.0</b>   | -3.4   | 0.0   | <b>0.9</b>      | -8.2      | 0.0     | <b>1.3</b>      | -8.0      | 0.0     |
|   |                | -6,455.2 | 0.0   |              | -345.3 | 0.0   |                 | -10,402.9 | 0.1     |                 | -14,761.0 | 0.1     |
| <b>E8KYJY</b>   | <b>9,687.3</b> | 2.5      | 2.3   | <b>352.3</b> | 0.1    | 0.8   | <b>10,028.3</b> | -0.3      | 0.8     | <b>16,143.3</b> | 0.8       | 2.5     |
|   |                | 3,231.7  | 837.6 |              | 7.0    | 33.9  |                 | -375.5    | 667.6   |                 | 1,381.0   | 1,951.7 |
| <b>2ZLAYD</b>   | <b>5,866.7</b> | -0.4     | 0.2   | <b>376.7</b> | 0.3    |       | <b>10,000.0</b> | -0.3      |         | <b>14,000.0</b> | -0.4      | 2.5     |
|   |                | -589.0   | 57.7  |              | 31.3   | 11.5  |                 | -403.8    | 0.0     |                 | -762.3    | 0.0     |
| <b>9GTK67</b>   | <b>7,627.7</b> | 0.9      | 0.1   | <b>347.3</b> | 0.0    | 0.0   | <b>12,360.7</b> | 1.6       | 0.2     | <b>15,112.2</b> | 0.2       | 0.4     |
|   |                | 1,172.1  | 25.2  |              | 2.0    | 1.6   |                 | 1,956.8   | 134.7   |                 | 349.9     | 321.6   |
| <b>2RDHVB</b>   | <b>7,930.0</b> | 1.1      | 2.5   | <b>629.0</b> | 2.8    | 1.7   | <b>12,006.0</b> | 1.3       | 1.2     | <b>15,902.7</b> | 0.6       | 0.7     |
|   |                | 1,474.3  | 925.0 |              | 283.7  | 69.0  |                 | 1,602.2   | 990.0   |                 | 1,140.3   | 562.5   |
| <b>RF99BG</b>   | <b>5,500.0</b> | -0.7     | 0.2   | <b>345.3</b> | 0.0    | 0.4   | <b>11,666.7</b> | 1.0       | 1.7     | <b>12,100.0</b> | -1.5      | 1.9     |
|   |                | -955.7   | 65.6  |              | 0.0    | 16.6  |                 | 1,262.8   | 1,418.9 |                 | -2,662.3  | 1,473.1 |
| <b>BX698W</b>   | <b>7,287.2</b> | 0.6      | 0.5   | <b>338.8</b> | -0.1   | 0.0   | <b>11,306.9</b> | 0.7       | 0.3     | <b>14,901.8</b> | 0.1       | 0.5     |
|   |                | 831.5    | 193.2 |              | -6.5   | 1.7   |                 | 903.0     | 285.4   |                 | 139.5     | 368.5   |
| <b>ACVHGX</b>   | <b>6,156.7</b> | -0.2     | 0.1   | <b>276.0</b> | -0.7   | 0.8   | <b>12,533.3</b> | 1.7       | 2.6     | <b>16,233.3</b> | 0.8       | 0.8     |
|   |                | -299.0   | 47.3  |              | -69.3  | 32.9  |                 | 2,129.5   | 2,193.9 |                 | 1,471.0   | 602.8   |
| <b>Grand Median</b>   |                | 6,455.7  |       |              | 345.3  |       |                 | 10,403.8  |         |                 | 14,762.3  |         |
| <b>Median Abs Dev</b>   |                | 831.5    |       |              | 31.3   |       |                 | 403.8     |         |                 | 762.3     |         |
| <b>Avg Within Lab SD</b>  |                | 368.8    |       |              | 40.6   |       |                 | 829.7     |         |                 | 779.2     |         |
| <b>Labs Included</b>  |                | 15       |       |              | 15     |       |                 | 15        |         |                 | 15        |         |
| <b>Labs Reporting</b>   |                | 15       |       |              | 15     |       |                 | 15        |         |                 | 15        |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3 - N ISE (SubTestCode 203) <span style="float: right;">Data units: mg/kg</span> |                |         |       |                |        |      |                 |         |       |                 |         |         |
|--|----------------|---------|-------|----------------|--------|------|-----------------|---------|-------|-----------------|---------|---------|
|  | SRBSRB1605     |         |       | SRBSRB1606     |        |      | SRBSRB1607      |         |       |                 |         |         |
| <b>2V9A2L</b>  | <b>7,100.4</b> | -0.2    | 0.2   | <b>795.8</b>   | -1.0   | 0.5  | <b>10,120.0</b> | -0.6    | 0.6   | <b>14,624.0</b> | 0.4     | 0.1     |
|  |                | -112.9  | 43.1  |                | -189.7 | 24.2 |                 | -846.7  | 198.7 |                 | 741.7   | 62.2    |
| <b>WN8QDL</b>  | <b>7,852.6</b> | 1.2     | 0.1   | <b>754.7</b>   | -1.2   | 0.4  | <b>11,784.1</b> | 0.6     | 1.0   | <b>13,882.3</b> | 0.0     | 0.3     |
|  |                | 639.3   | 16.8  |                | -230.8 | 20.5 |                 | 817.4   | 329.7 |                 | 0.0     | 202.9   |
| <b>PD8M9Q</b>  | <b>7,850.8</b> | 1.2     | 2.2   | <b>985.5</b>   | 0.0    | 1.4  | <b>13,999.7</b> | 2.1     | 1.2   | <b>17,737.7</b> | 2.2     | 2.0     |
|  |                | 637.5   | 526.1 |                | 0.0    | 71.5 |                 | 3,033.0 | 392.2 |                 | 3,855.4 | 1,259.3 |
| <b>ZTQT9G</b>  | <b>7,213.3</b> | 0.0     | 0.2   | <b>1,060.0</b> | 0.4    | 0.8  | <b>10,866.7</b> | -0.1    | 1.2   | <b>13,466.7</b> | -0.2    | 0.6     |
|  |                | 0.0     | 37.9  |                | 74.5   | 40.0 |                 | -100.0  | 404.1 |                 | -415.6  | 378.6   |
| <b>MFPVJN</b>  | <b>6,870.0</b> | -0.7    | 0.4   | <b>1,150.0</b> | 0.8    | 1.4  | <b>10,966.7</b> | 0.0     | 0.8   | <b>13,100.0</b> | -0.5    | 0.6     |
|  |                | -343.3  | 87.2  |                | 164.5  | 69.3 |                 | 0.0     | 251.7 |                 | -782.3  | 360.6   |
| <b>Grand Median</b>  |                | 7,213.3 |       | 985.5          |        |      | 10,966.7        |         |       | 13,882.3        |         |         |
| <b>Median Abs Dev</b>  |                | 343.3   |       | 164.5          |        |      | 817.4           |         |       | 741.7           |         |         |
| <b>Avg Within Lab SD</b>   |                | 240.0   |       | 50.0           |        |      | 325.1           |         |       | 617.1           |         |         |
| <b>Labs Included</b>   |                | 5       |       | 5              |        |      | 5               |         |       | 5               |         |         |
| <b>Labs Reporting</b>  |                | 5       |       | 5              |        |      | 5               |         |       | 5               |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NO3 - N Oth. (SubTestCode 204) | Data units: mg/kg |         |                |         |                 |          |                 |          |
|--------------------------------|-------------------|---------|----------------|---------|-----------------|----------|-----------------|----------|
|                                | SRBSRB1605        |         | SRBSRB1606     |         | SRBSRB1607      |          |                 |          |
| <b>PD8M9Q</b>                  | <b>10,025.0</b>   | 1.9     | <b>4,945.0</b> | 2.0     | <b>11,949.3</b> | 0.8      | <b>16,547.7</b> | 1.6      |
|                                |                   | 1,425.7 |                | 484.4   |                 | 505.2    |                 | 772.2    |
| <b>Z3VZNG</b>                  | <b>7,252.7</b>    | 0.5     | <b>312.3</b>   | 0.1     | <b>11,384.0</b> | 1.5      | <b>1,413.3</b>  | 0.1      |
|                                |                   | 383.2   |                | 23.5    |                 | 996.5    |                 | 49.3     |
| <b>Y26GAB</b>                  | <b>6,689.5</b>    | 0.3     | <b>2,557.7</b> | 0.3     | <b>12,642.6</b> | 1.0      | <b>14,181.6</b> | 1.0      |
|                                |                   | 225.3   |                | 67.2    |                 | 625.3    |                 | 474.5    |
| <b>6UNU32</b>                  | <b>6,995.7</b>    | 0.1     | <b>562.1</b>   | 0.1     | <b>10,677.9</b> | 0.2      | <b>16,361.9</b> | 0.8      |
|                                |                   | 80.8    |                | 17.1    |                 | 124.8    |                 | 406.9    |
| <b>Grand Median</b>            |                   | 7,124.2 |                | 1,559.9 |                 | 11,666.7 |                 | 15,271.8 |
| <b>Median Abs Dev</b>          |                   |         |                |         |                 |          |                 |          |
| <b>Avg Within Lab SD</b>       |                   | 747.8   |                | 244.9   |                 | 643.2    |                 | 497.4    |
| <b>Labs Included</b>           |                   | 4       |                | 4       |                 | 4        |                 | 4        |
| <b>Labs Reporting</b>          |                   | 4       |                | 4       |                 | 4        |                 | 4        |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NH4-N (SubTestCode 205)  | Data units: mg/kg |     |              |      |                |       |              |     |
|--------------------------|-------------------|-----|--------------|------|----------------|-------|--------------|-----|
|                          | SRBSRB1605        |     | SRBSRB1606   |      | SRBSRB1607     |       |              |     |
| <b>LU92FX</b>            |                   |     | <b>178.0</b> | 0.2  | <b>4,660.7</b> | 1.2   | <b>62.7</b>  | 1.0 |
|                          |                   |     |              | 2.0  |                | 143.5 |              | 6.8 |
| <b>BX698W</b>            | <b>25.7</b>       | 1.0 | <b>382.7</b> | 1.4  | <b>9,837.3</b> | 0.7   | <b>139.0</b> | 1.0 |
|                          |                   | 2.9 |              | 11.3 |                | 82.0  |              | 7.3 |
| <b>Grand Median</b>      | 25.7              |     | 280.4        |      | 7,249.0        |       | 100.9        |     |
| <b>Median Abs Dev</b>    |                   |     |              |      |                |       |              |     |
| <b>Avg Within Lab SD</b> | 2.9               |     | 8.1          |      | 116.9          |       | 7.1          |     |
| <b>Labs Included</b>     | 1                 |     | 2            |      | 2              |       | 2            |     |
| <b>Labs Reporting</b>    | 1                 |     | 2            |      | 2              |       | 2            |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4 - P (SubTestCode 206) <span style="float: right;">Data units: mg/kg</span> |                |         |      |                |         |       |                |          |       |                |         |       |
|--|----------------|---------|------|----------------|---------|-------|----------------|----------|-------|----------------|---------|-------|
|  | SRBSRB1605     |         |      | SRBSRB1606     |         |       | SRBSRB1607     |          |       |                |         |       |
| <b>2V9A2L</b>  | <b>1,634.5</b> | 1.4     | 0.1  | <b>2,178.1</b> | 0.6     | 0.6   | <b>5,733.2</b> | 0.2      | 0.5   | <b>1,570.2</b> | 1.0     | 0.9   |
|  |                | 449.2   | 3.3  |                | 243.1   | 28.4  |                | 176.5    | 59.7  |                | 283.5   | 43.6  |
| <b>9G9ZXE</b>  | <b>1,171.7</b> | 0.0     | 0.4  | <b>1,050.3</b> | -2.3    | 0.6   | <b>4,547.7</b> | -1.3     | 0.3   | <b>1,028.3</b> | -0.9    | 0.5   |
|  |                | -13.7   | 15.1 |                | -884.7  | 29.3  |                | -1,009.0 | 41.7  |                | -258.3  | 23.0  |
| <b>7LQLUF</b>  | <b>1,185.3</b> | 0.0     | 0.1  | <b>1,935.0</b> | 0.0     | 0.7   | <b>5,155.3</b> | -0.5     | 0.2   | <b>1,212.3</b> | -0.3    | 0.7   |
|  |                | 0.0     | 3.5  |                | 0.0     | 34.2  |                | -401.3   | 24.9  |                | -74.3   | 31.7  |
| <b>NM37AU</b>  | <b>1,326.7</b> | 0.5     | 1.2  | <b>2,043.3</b> | 0.3     | 0.9   | <b>5,556.7</b> | 0.0      | 0.3   | <b>1,350.0</b> | 0.2     | 0.9   |
|  |                | 141.3   | 41.6 |                | 108.3   | 41.6  |                | 0.0      | 37.9  |                | 63.3    | 43.6  |
| <b>LU92FX</b>  | <b>1,982.7</b> | 2.6     | 2.0  | <b>2,853.3</b> | 2.4     | 0.3   | <b>6,415.3</b> | 1.1      | 0.5   | <b>2,208.3</b> | 3.2     | 1.7   |
|  |                | 797.3   | 71.6 |                | 918.3   | 14.8  |                | 858.7    | 70.3  |                | 921.7   | 82.1  |
| <b>PD8M9Q</b>  | <b>1,046.7</b> | -0.4    | 0.7  | <b>1,790.0</b> | -0.4    | 1.1   | <b>4,676.7</b> | -1.1     | 1.9   | <b>1,286.7</b> | 0.0     | 0.1   |
|  |                | -138.7  | 25.2 |                | -145.0  | 52.9  |                | -880.0   | 243.8 |                | 0.0     | 5.8   |
| <b>KG6H4X</b>  | <b>1,182.0</b> | 0.0     | 0.2  | <b>1,754.7</b> | -0.5    | 0.2   | <b>5,085.0</b> | -0.6     | 0.7   | <b>1,112.7</b> | -0.6    | 0.3   |
|  |                | -3.3    | 9.0  |                | -180.3  | 9.5   |                | -471.7   | 95.0  |                | -174.0  | 16.5  |
| <b>ZTQT9G</b>  | <b>1,346.7</b> | 0.5     | 0.9  | <b>1,880.0</b> | -0.1    | 1.3   | <b>5,100.0</b> | -0.6     | 2.1   | <b>1,100.0</b> | -0.6    | 0.4   |
|  |                | 161.3   | 32.1 |                | -55.0   | 62.4  |                | -456.7   | 280.0 |                | -186.7  | 20.0  |
| <b>2ZLAYD</b>  | <b>1,100.0</b> | -0.3    |      | <b>2,000.0</b> | 0.2     |       | <b>5,966.7</b> | 0.5      | 0.4   | <b>1,333.3</b> | 0.2     | 1.2   |
|  |                | -85.3   | 0.0  |                | 65.0    | 0.0   |                | 410.0    | 57.7  |                | 46.7    | 57.7  |
| <b>2RDHVB</b>  | <b>1,694.7</b> | 1.6     | 2.0  | <b>2,123.0</b> | 0.5     | 2.4   | <b>6,108.7</b> | 0.7      | 0.5   | <b>1,351.0</b> | 0.2     | 2.1   |
|  |                | 509.3   | 71.5 |                | 188.0   | 114.0 |                | 552.0    | 62.2  |                | 64.3    | 100.0 |
| <b>Y26GAB</b>  | <b>1,181.7</b> | 0.0     | 0.5  | <b>1,898.0</b> | -0.1    | 0.3   | <b>6,099.1</b> | 0.7      | 1.1   | <b>1,222.2</b> | -0.2    | 0.2   |
|  |                | -3.6    | 18.6 |                | -37.0   | 12.5  |                | 542.4    | 143.9 |                | -64.5   | 7.8   |
| <b>Grand Median</b>  |                | 1,185.3 |      |                | 1,935.0 |       |                | 5,556.7  |       |                | 1,286.7 |       |
| <b>Median Abs Dev</b>  |                | 138.7   |      |                | 145.0   |       |                | 471.7    |       |                | 74.3    |       |
| <b>Avg Within Lab SD</b>   |                | 36.1    |      |                | 47.4    |       |                | 130.4    |       |                | 48.8    |       |
| <b>Labs Included</b>   |                | 11      |      |                | 11      |       |                | 11       |       |                | 11      |       |
| <b>Labs Reporting</b>  |                | 11      |      |                | 11      |       |                | 11       |       |                | 11      |       |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SO4 - S (SubTestCode 207) |              |      |                |      |                 |       |                | Data units: mg/kg |
|---------------------------|--------------|------|----------------|------|-----------------|-------|----------------|-------------------|
|                           | SRBSRB1605   |      | SRBSRB1606     |      | SRBSRB1607      |       |                |                   |
| <b>2V9A2L</b>             | <b>846.4</b> | 1.6  | <b>1,520.0</b> | 0.7  | <b>7,429.0</b>  | 0.2   | <b>1,185.7</b> | 0.0               |
|                           |              | 56.4 |                | 31.0 |                 | 30.6  |                | 0.0               |
| <b>WN8QDL</b>             | <b>498.8</b> | 0.6  | <b>1,829.4</b> | 1.6  | <b>10,702.4</b> | 1.6   | <b>1,479.3</b> | 1.6               |
|                           |              | 21.1 |                | 66.9 |                 | 297.8 |                | 72.3              |
| <b>LU92FX</b>             | <b>483.7</b> | 0.1  | <b>1,992.3</b> | 0.2  | <b>10,069.3</b> | 0.7   | <b>1,350.3</b> | 0.6               |
|                           |              | 2.1  |                | 8.1  |                 | 131.2 |                | 28.0              |
| <b>Grand Median</b>       | 498.8        |      | 1,829.4        |      | 10,069.3        |       | 1,350.3        |                   |
| <b>Median Abs Dev</b>     |              |      |                |      |                 |       |                |                   |
| <b>Avg Within Lab SD</b>  | 34.8         |      | 42.8           |      | 188.7           |       | 44.7           |                   |
| <b>Labs Included</b>      | 3            |      | 3              |      | 3               |       | 3              |                   |
| <b>Labs Reporting</b>     | 3            |      | 3              |      | 3               |       | 3              |                   |





## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| CI (SubTestCode 208)     | Data units: Percent |       |      |             |       |      |             |       |      |             |       |      |
|--------------------------|---------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|                          | SRBSRB1605          |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |      |
| <b>2V9A2L</b>            | <b>2.73</b>         | 0.51  | 0.28 | <b>0.60</b> | 0.30  | 0.00 | <b>5.23</b> | 0.62  | 0.05 | <b>3.21</b> | 0.47  | 0.24 |
|                          |                     | 0.44  | 0.02 |             | 0.16  | 0.00 |             | 1.00  | 0.01 |             | 0.33  | 0.03 |
| <b>9G9ZXE</b>            | <b>2.23</b>         | -0.07 | 0.36 | <b>0.22</b> | -0.43 | 0.96 | <b>4.27</b> | 0.02  | 0.45 | <b>2.95</b> | 0.10  | 0.55 |
|                          |                     | -0.06 | 0.03 |             | -0.22 | 0.04 |             | 0.03  | 0.05 |             | 0.07  | 0.06 |
| <b>ETFYA8</b>            | <b>2.57</b>         | 0.33  | 0.08 | <b>0.44</b> | -0.01 | 0.11 | <b>4.62</b> | 0.24  | 0.09 | <b>3.33</b> | 0.65  | 0.09 |
|                          |                     | 0.28  | 0.01 |             | -0.01 | 0.01 |             | 0.38  | 0.01 |             | 0.46  | 0.01 |
| <b>NM37AU</b>            | <b>2.20</b>         | -0.11 | 1.76 | <b>0.51</b> | 0.12  | 1.08 | <b>3.41</b> | -0.52 | 0.78 | <b>2.46</b> | -0.60 | 0.77 |
|                          |                     | -0.10 | 0.12 |             | 0.06  | 0.05 |             | -0.83 | 0.09 |             | -0.42 | 0.09 |
| <b>LU92FX</b>            | <b>5.62</b>         | 3.93  | 2.25 | <b>0.78</b> | 0.64  | 2.22 | <b>8.91</b> | 2.93  | 0.05 | <b>1.73</b> | -1.64 | 2.48 |
|                          |                     | 3.33  | 0.16 |             | 0.33  | 0.10 |             | 4.68  | 0.01 |             | -1.15 | 0.27 |
| <b>PD8M9Q</b>            | <b>1.06</b>         | -1.46 | 0.59 | <b>0.34</b> | -0.19 | 1.12 | <b>1.89</b> | -1.47 | 1.27 | <b>1.39</b> | -2.12 | 0.46 |
|                          |                     | -1.24 | 0.04 |             | -0.10 | 0.05 |             | -2.35 | 0.15 |             | -1.48 | 0.05 |
| <b>Z3VZNG</b>            | <b>2.14</b>         | -0.18 | 0.08 | <b>0.39</b> | -0.10 | 0.00 | <b>4.23</b> | -0.01 | 0.28 | <b>2.85</b> | -0.04 | 0.50 |
|                          |                     | -0.15 | 0.01 |             | -0.05 | 0.00 |             | -0.01 | 0.03 |             | -0.03 | 0.06 |
| <b>KG6H4X</b>            | <b>2.49</b>         | 0.23  | 0.17 | <b>0.54</b> | 0.19  | 0.22 | <b>3.96</b> | -0.18 | 0.60 | <b>2.70</b> | -0.25 | 0.14 |
|                          |                     | 0.19  | 0.01 |             | 0.10  | 0.01 |             | -0.28 | 0.07 |             | -0.17 | 0.02 |
| <b>KJBZ3T</b>            | <b>2.21</b>         | -0.10 | 0.08 | <b>0.62</b> | 0.34  | 0.76 | <b>4.44</b> | 0.13  | 0.70 | <b>2.90</b> | 0.04  | 0.36 |
|                          |                     | -0.08 | 0.01 |             | 0.18  | 0.03 |             | 0.20  | 0.08 |             | 0.03  | 0.04 |
| <b>3HG3JC</b>            | <b>2.22</b>         | -0.09 | 0.08 | <b>0.39</b> | -0.10 | 0.13 | <b>4.25</b> | 0.01  | 0.18 | <b>2.92</b> | 0.06  | 0.16 |
|                          |                     | -0.07 | 0.01 |             | -0.05 | 0.01 |             | 0.01  | 0.02 |             | 0.05  | 0.02 |
| <b>E8KYJY</b>            | <b>2.36</b>         | 0.07  | 1.90 | <b>0.45</b> | 0.01  | 0.51 | <b>3.68</b> | -0.35 | 3.44 | <b>2.93</b> | 0.08  | 2.41 |
|                          |                     | 0.06  | 0.13 |             | 0.01  | 0.02 |             | -0.56 | 0.40 |             | 0.06  | 0.27 |
| <b>9GTK67</b>            | <b>2.58</b>         | 0.34  | 0.47 | <b>0.51</b> | 0.13  | 1.68 | <b>4.29</b> | 0.03  | 0.62 | <b>3.26</b> | 0.55  | 1.48 |
|                          |                     | 0.29  | 0.03 |             | 0.07  | 0.08 |             | 0.05  | 0.07 |             | 0.38  | 0.16 |
| <b>BX698W</b>            | <b>2.49</b>         | 0.23  | 0.16 | <b>0.38</b> | -0.13 | 0.91 | <b>4.49</b> | 0.16  | 0.17 | <b>3.05</b> | 0.25  | 0.13 |
|                          |                     | 0.19  | 0.01 |             | -0.06 | 0.04 |             | 0.26  | 0.02 |             | 0.18  | 0.01 |
| <b>Z4BZ87</b>            | <b>2.16</b>         | -0.16 | 0.55 | <b>0.35</b> | -0.17 | 0.19 | <b>4.06</b> | -0.11 | 0.57 | <b>2.78</b> | -0.14 | 0.41 |
|                          |                     | -0.14 | 0.04 |             | -0.09 | 0.01 |             | -0.17 | 0.07 |             | -0.10 | 0.05 |
| <b>6UNU32</b>            | <b>0.62</b>         | -1.98 | 0.11 | <b>0.04</b> | -0.77 | 0.05 | <b>1.63</b> | -1.63 | 0.19 | <b>0.72</b> | -3.08 | 0.12 |
|                          |                     | -1.68 | 0.01 |             | -0.40 | 0.00 |             | -2.61 | 0.02 |             | -2.16 | 0.01 |
| <b>XJT9V6</b>            | <b>3.14</b>         | 0.99  | 1.75 | <b>4.14</b> | 7.14  | 1.77 | <b>0.43</b> | -2.39 | 0.05 | <b>2.37</b> | -0.73 | 0.23 |
|                          |                     | 0.84  | 0.12 |             | 3.70  | 0.08 |             | -3.81 | 0.01 |             | -0.51 | 0.03 |
| <b>Grand Median</b>      |                     | 2.30  |      | 0.44        |       |      | 4.24        |       |      | 2.88        |       |      |
| <b>Median Abs Dev</b>    |                     | 0.19  |      | 0.09        |       |      | 0.33        |       |      | 0.25        |       |      |
| <b>Avg Within Lab SD</b> |                     | 0.07  |      | 0.05        |       |      | 0.12        |       |      | 0.11        |       |      |
| <b>Labs Included</b>     |                     | 16    |      | 16          |       |      | 16          |       |      | 16          |       |      |
| <b>Labs Reporting</b>    |                     | 16    |      | 16          |       |      | 16          |       |      | 16          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| TKN (SubTestCode 209)    | Data units: Percent |       |      |             |       |      |             |       |      |             |       |      |
|--------------------------|---------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|                          | SRBSRB1605          |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |      |
| <b>2V9A2L</b>            | <b>1.65</b>         | 0.05  | 0.25 | <b>3.12</b> | -0.85 | 0.49 | <b>5.41</b> | -0.85 | 0.11 | <b>2.10</b> | -0.05 | 0.75 |
|                          |                     | 0.01  | 0.02 |             | -0.17 | 0.03 |             | -0.50 | 0.04 |             | -0.02 | 0.05 |
| <b>NM37AU</b>            | <b>1.48</b>         | -0.94 | 0.61 | <b>3.51</b> | 1.05  | 2.67 | <b>6.22</b> | 0.52  | 0.95 | <b>2.24</b> | 0.32  | 1.21 |
|                          |                     | -0.16 | 0.05 |             | 0.21  | 0.16 |             | 0.30  | 0.33 |             | 0.12  | 0.07 |
| <b>JMZPA2</b>            | <b>1.50</b>         | -0.83 |      | <b>3.17</b> | -0.63 | 0.20 | <b>5.38</b> | -0.91 | 0.06 | <b>1.92</b> | -0.51 | 0.29 |
|                          |                     | -0.14 | 0.00 |             | -0.13 | 0.01 |             | -0.53 | 0.02 |             | -0.20 | 0.02 |
| <b>KG6H4X</b>            | <b>1.87</b>         | 1.38  | 0.30 | <b>3.36</b> | 0.35  | 0.10 | <b>6.36</b> | 0.77  | 0.15 | <b>3.10</b> | 2.51  | 0.50 |
|                          |                     | 0.23  | 0.03 |             | 0.07  | 0.01 |             | 0.45  | 0.05 |             | 0.98  | 0.03 |
| <b>XD4VUG</b>            | <b>1.71</b>         | 0.44  | 0.19 | <b>3.31</b> | 0.07  | 0.68 | <b>5.91</b> | 0.00  | 0.41 | <b>2.20</b> | 0.20  | 0.58 |
|                          |                     | 0.07  | 0.02 |             | 0.02  | 0.04 |             | 0.00  | 0.14 |             | 0.08  | 0.04 |
| <b>2RDHVB</b>            | <b>1.64</b>         | 0.00  | 0.08 | <b>3.20</b> | -0.48 | 0.75 | <b>5.01</b> | -1.54 | 2.79 | <b>2.46</b> | 0.87  | 0.29 |
|                          |                     | 0.00  | 0.01 |             | -0.10 | 0.04 |             | -0.90 | 0.96 |             | 0.34  | 0.02 |
| <b>RF99BG</b>            | <b>1.52</b>         | -0.69 | 0.18 | <b>3.29</b> | 0.00  | 0.20 | <b>5.70</b> | -0.36 | 0.14 | <b>1.88</b> | -0.61 | 1.03 |
|                          |                     | -0.11 | 0.02 |             | 0.00  | 0.01 |             | -0.21 | 0.05 |             | -0.24 | 0.06 |
| <b>BX698W</b>            | <b>1.84</b>         | 1.19  | 0.34 | <b>3.52</b> | 1.13  | 0.67 | <b>6.21</b> | 0.51  | 0.11 | <b>2.12</b> | 0.00  | 0.39 |
|                          |                     | 0.20  | 0.03 |             | 0.23  | 0.04 |             | 0.30  | 0.04 |             | 0.00  | 0.02 |
| <b>9KRXTW</b>            | <b>1.55</b>         | -0.55 | 2.88 | <b>2.99</b> | -1.51 | 0.26 | <b>6.27</b> | 0.61  | 0.32 | <b>1.73</b> | -0.99 | 2.23 |
|                          |                     | -0.09 | 0.24 |             | -0.31 | 0.02 |             | 0.36  | 0.11 |             | -0.39 | 0.14 |
| <b>Grand Median</b>      |                     | 1.64  |      |             | 3.29  |      |             | 5.91  |      |             | 2.12  |      |
| <b>Median Abs Dev</b>    |                     | 0.11  |      |             | 0.13  |      |             | 0.36  |      |             | 0.20  |      |
| <b>Avg Within Lab SD</b> |                     | 0.08  |      |             | 0.06  |      |             | 0.34  |      |             | 0.06  |      |
| <b>Labs Included</b>     |                     | 9     |      |             | 9     |      |             | 9     |      |             | 9     |      |
| <b>Labs Reporting</b>    |                     | 9     |      |             | 9     |      |             | 9     |      |             | 9     |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| N- Dry Comb. (SubTestCode 210) |             |       |      |             |       |      |             |        |      |             | Data units: Percent |      |
|--------------------------------|-------------|-------|------|-------------|-------|------|-------------|--------|------|-------------|---------------------|------|
|                                | SRBSRB1605  |       |      | SRBSRB1606  |       |      | SRBSRB1607  |        |      |             |                     |      |
| <b>P2ZHHY</b>                  | <b>2.25</b> | 1.73  | 0.41 | <b>3.80</b> | 2.00  | 0.40 | <b>6.97</b> | 0.97   | 0.31 | <b>3.33</b> | 1.88                | 0.32 |
|                                |             | 0.27  | 0.02 |             | 0.30  | 0.03 |             | 0.28   | 0.02 |             | 0.27                | 0.03 |
| <b>2V9A2L</b>                  | <b>2.16</b> | 1.12  | 0.30 | <b>3.72</b> | 1.53  | 0.23 | <b>7.10</b> | 1.44   | 0.54 | <b>3.40</b> | 2.32                | 0.29 |
|                                |             | 0.17  | 0.01 |             | 0.23  | 0.02 |             | 0.41   | 0.04 |             | 0.34                | 0.03 |
| <b>9G9ZXE</b>                  | <b>1.87</b> | -0.74 | 0.55 | <b>3.49</b> | 0.00  | 0.33 | <b>6.79</b> | 0.36   | 0.66 | <b>2.93</b> | -0.91               | 0.32 |
|                                |             | -0.11 | 0.03 |             | 0.00  | 0.03 |             | 0.10   | 0.05 |             | -0.13               | 0.03 |
| <b>7LQLUF</b>                  | <b>1.98</b> | 0.00  | 0.17 | <b>3.40</b> | -0.63 | 0.45 | <b>6.62</b> | -0.26  | 0.10 | <b>2.99</b> | -0.51               | 0.45 |
|                                |             | 0.00  | 0.01 |             | -0.10 | 0.03 |             | -0.07  | 0.01 |             | -0.07               | 0.04 |
| <b>UJH8JT</b>                  | <b>1.92</b> | -0.44 | 0.12 | <b>3.36</b> | -0.90 | 0.15 | <b>6.45</b> | -0.84  | 0.23 | <b>3.06</b> | 0.02                | 0.65 |
|                                |             | -0.07 | 0.01 |             | -0.14 | 0.01 |             | -0.24  | 0.02 |             | 0.00                | 0.06 |
| <b>ETFYA8</b>                  | <b>2.18</b> | 1.29  | 0.12 | <b>3.68</b> | 1.21  | 0.20 | <b>6.99</b> | 1.04   | 0.41 | <b>3.21</b> | 1.03                | 0.22 |
|                                |             | 0.20  | 0.01 |             | 0.18  | 0.02 |             | 0.30   | 0.03 |             | 0.15                | 0.02 |
| <b>WN8QDL</b>                  | <b>2.24</b> | 1.64  | 0.28 | <b>3.62</b> | 0.83  | 0.28 | <b>6.70</b> | 0.03   | 0.51 | <b>3.06</b> | -0.02               | 0.40 |
|                                |             | 0.25  | 0.01 |             | 0.13  | 0.02 |             | 0.01   | 0.04 |             | 0.00                | 0.04 |
| <b>LU92FX</b>                  | <b>1.98</b> | -0.05 | 0.12 | <b>3.50</b> | 0.04  | 2.03 | <b>6.40</b> | -1.02  | 1.70 | <b>3.13</b> | 0.48                | 2.07 |
|                                |             | -0.01 | 0.01 |             | 0.01  | 0.15 |             | -0.29  | 0.13 |             | 0.07                | 0.19 |
| <b>PD8M9Q</b>                  | <b>2.06</b> | 0.46  | 4.67 | <b>3.59</b> | 0.64  | 3.92 | <b>6.79</b> | 0.35   | 3.60 | <b>3.24</b> | 1.25                | 4.30 |
|                                |             | 0.07  | 0.23 |             | 0.10  | 0.30 |             | 0.10   | 0.27 |             | 0.18                | 0.39 |
| <b>Z3VZNG</b>                  | <b>1.99</b> | 0.03  | 0.36 | <b>3.52</b> | 0.15  | 0.61 | <b>6.73</b> | 0.15   | 0.20 | <b>3.13</b> | 0.46                | 0.39 |
|                                |             | 0.01  | 0.02 |             | 0.02  | 0.05 |             | 0.04   | 0.02 |             | 0.07                | 0.04 |
| <b>ZTQT9G</b>                  | <b>1.80</b> | -1.22 | 0.52 | <b>3.49</b> | -0.02 | 1.40 | <b>7.01</b> | 1.14   | 0.98 | <b>2.91</b> | -1.05               | 0.45 |
|                                |             | -0.19 | 0.03 |             | 0.00  | 0.11 |             | 0.32   | 0.07 |             | -0.15               | 0.04 |
| <b>KJBZ3T</b>                  | <b>2.05</b> | 0.45  | 0.63 | <b>3.69</b> | 1.28  | 1.41 | <b>6.73</b> | 0.15   | 1.42 | <b>3.19</b> | 0.91                | 0.39 |
|                                |             | 0.07  | 0.03 |             | 0.19  | 0.11 |             | 0.04   | 0.11 |             | 0.13                | 0.04 |
| <b>3HG3JC</b>                  | <b>2.07</b> | 0.55  | 0.41 | <b>3.57</b> | 0.53  | 0.61 | <b>6.74</b> | 0.18   | 0.13 | <b>3.28</b> | 1.53                | 0.17 |
|                                |             | 0.09  | 0.02 |             | 0.08  | 0.05 |             | 0.05   | 0.01 |             | 0.22                | 0.02 |
| <b>E8KYJY</b>                  | <b>1.94</b> | -0.27 | 0.72 | <b>3.42</b> | -0.46 | 0.28 | <b>6.63</b> | -0.22  | 0.43 | <b>3.09</b> | 0.23                | 0.96 |
|                                |             | -0.04 | 0.04 |             | -0.07 | 0.02 |             | -0.06  | 0.03 |             | 0.03                | 0.09 |
| <b>2ZLAYD</b>                  | <b>1.97</b> | -0.12 | 1.19 | <b>3.73</b> | 1.59  | 0.76 | <b>6.53</b> | -0.55  | 0.77 | <b>2.97</b> | -0.64               | 0.64 |
|                                |             | -0.02 | 0.06 |             | 0.24  | 0.06 |             | -0.16  | 0.06 |             | -0.09               | 0.06 |
| <b>9QXRK7</b>                  | <b>1.90</b> | -0.57 | 0.12 | <b>3.42</b> | -0.49 | 0.35 | <b>6.68</b> | -0.04  | 0.69 | <b>3.01</b> | -0.32               | 0.42 |
|                                |             | -0.09 | 0.01 |             | -0.07 | 0.03 |             | -0.01  | 0.05 |             | -0.05               | 0.04 |
| <b>XD4VUG</b>                  | <b>2.05</b> | 0.45  | 0.38 | <b>3.62</b> | 0.81  | 0.13 | <b>7.24</b> | 1.94   | 0.38 | <b>3.07</b> | 0.10                | 0.22 |
|                                |             | 0.07  | 0.02 |             | 0.12  | 0.01 |             | 0.55   | 0.03 |             | 0.01                | 0.02 |
| <b>9GTK67</b>                  | <b>2.13</b> | 0.93  | 0.07 | <b>3.54</b> | 0.34  | 0.26 | <b>6.57</b> | -0.43  | 1.20 | <b>3.06</b> | -0.03               | 0.19 |
|                                |             | 0.14  | 0.00 |             | 0.05  | 0.02 |             | -0.12  | 0.09 |             | -0.01               | 0.02 |
| <b>MFPVJN</b>                  | <b>1.94</b> | -0.27 | 0.24 | <b>3.50</b> | 0.07  | 0.50 | <b>6.69</b> | 0.00   | 1.33 | <b>3.01</b> | -0.34               | 0.22 |
|                                |             | -0.04 | 0.01 |             | 0.01  | 0.04 |             | 0.00   | 0.10 |             | -0.05               | 0.02 |
| <b>T8DRYH</b>                  | <b>2.81</b> | 5.35  |      | <b>3.45</b> | -0.29 |      | <b>2.63</b> | -14.26 |      | <b>2.63</b> | -2.94               | 0.22 |
|                                |             | 0.83  | 0.00 |             | -0.04 | 0.00 |             | -4.06  | 0.00 |             | -0.43               | 0.00 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean | Z Score    | k Score | Sample Mean | Z Score    | k Score | Sample Mean | Z Score    | k Score |             |       |      |
|--------------------------|-------------|------------|---------|-------------|------------|---------|-------------|------------|---------|-------------|-------|------|
|                          |             | Difference | W/L STD |             | Difference | W/L STD |             | Difference | W/L STD |             |       |      |
| <b>8YU8W7</b>            | <b>1.97</b> | -0.10      | 0.36    | <b>3.45</b> | -0.29      | 0.13    | <b>6.67</b> | -0.07      | 0.70    | <b>3.06</b> | 0.00  | 0.40 |
| <b>YNEK8D</b>            | <b>1.97</b> | -0.01      | 0.02    | <b>3.49</b> | -0.04      | 0.01    | <b>6.50</b> | -0.02      | 0.05    | <b>3.04</b> | 0.00  | 0.04 |
| <b>V3RMFD</b>            | <b>1.95</b> | -0.09      | 0.28    | <b>3.44</b> | -0.04      | 0.09    | <b>6.48</b> | -0.65      | 0.32    | <b>2.95</b> | -0.13 | 0.45 |
| <b>BX698W</b>            | <b>2.20</b> | -0.01      | 0.01    | <b>3.72</b> | -0.01      | 0.01    | <b>7.40</b> | -0.19      | 0.02    | <b>3.14</b> | -0.02 | 0.04 |
| <b>GKM94Q</b>            | <b>1.99</b> | -0.20      | 0.43    | <b>3.44</b> | -0.35      | 0.26    | <b>6.65</b> | -0.75      | 0.08    | <b>3.04</b> | -0.73 | 0.17 |
| <b>ACVHGX</b>            | <b>2.00</b> | -0.03      | 0.02    | <b>3.44</b> | -0.05      | 0.02    | <b>6.70</b> | -0.21      | 0.01    | <b>3.07</b> | -0.11 | 0.02 |
| <b>6UNU32</b>            | <b>1.93</b> | 1.37       | 0.59    | <b>3.40</b> | 1.51       | 0.63    | <b>6.50</b> | 2.50       | 0.34    | <b>3.08</b> | 0.54  | 0.42 |
| <b>XJT9V6</b>            | <b>1.43</b> | 0.21       | 0.03    | <b>3.30</b> | 0.23       | 0.05    | <b>7.35</b> | 0.71       | 0.03    | <b>2.71</b> | 0.08  | 0.04 |
|                          |             | 0.03       | 0.21    |             | -0.33      | 0.20    |             | -0.13      | 0.63    |             | -0.14 | 0.11 |
|                          |             | 0.01       | 0.01    |             | -0.05      | 0.02    |             | -0.04      | 0.05    |             | -0.02 | 0.01 |
|                          |             | 0.08       | 0.66    |             | -0.29      | 0.26    |             | 0.05       | 0.28    |             | 0.07  | 0.34 |
|                          |             | 0.01       | 0.03    |             | -0.04      | 0.02    |             | 0.01       | 0.02    |             | 0.01  | 0.03 |
|                          |             | -0.39      | 0.12    |             | -0.65      | 0.36    |             | -0.66      | 0.87    |             | 0.16  | 0.28 |
|                          |             | -0.06      | 0.01    |             | -0.10      | 0.03    |             | -0.19      | 0.06    |             | 0.02  | 0.02 |
|                          |             | -3.62      | 0.36    |             | -1.25      | 0.53    |             | 2.30       | 0.47    |             | -2.42 | 0.36 |
|                          |             | -0.56      | 0.02    |             | -0.19      | 0.04    |             | 0.66       | 0.04    |             | -0.35 | 0.03 |
| <b>Grand Median</b>      |             | 1.98       |         | 3.49        |            |         | 6.69        |            |         | 3.06        |       |      |
| <b>Median Abs Dev</b>    |             | 0.07       |         | 0.07        |            |         | 0.12        |            |         | 0.07        |       |      |
| <b>Avg Within Lab SD</b> |             | 0.05       |         | 0.08        |            |         | 0.08        |            |         | 0.09        |       |      |
| <b>Labs Included</b>     |             | 27         |         | 27          |            |         | 27          |            |         | 27          |       |      |
| <b>Labs Reporting</b>    |             | 27         |         | 27          |            |         | 27          |            |         | 27          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| <b>S- Dry Comb. (SubTestCode 211)</b> |             |              |             |              |             |              |             | <b>Data units: Percent</b> |
|---------------------------------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|----------------------------|
|                                       | SRBSRB1605  |              | SRBSRB1606  |              | SRBSRB1607  |              |             |                            |
| <b>9GTK67</b>                         | <b>0.13</b> | 1.03<br>0.01 | <b>0.39</b> | 1.10<br>0.01 | <b>1.33</b> | 0.69<br>0.03 | <b>0.26</b> | 1.11<br>0.01               |
| <b>V3RMFD</b>                         | <b>0.11</b> | 0.97<br>0.01 | <b>0.37</b> | 0.89<br>0.01 | <b>1.33</b> | 1.24<br>0.05 | <b>0.22</b> | 0.88<br>0.01               |
| <b>Grand Median</b>                   | 0.12        |              | 0.38        |              | 1.33        |              | 0.24        |                            |
| <b>Median Abs Dev</b>                 |             |              |             |              |             |              |             |                            |
| <b>Avg Within Lab SD</b>              | 0.01        |              | 0.01        |              | 0.04        |              | 0.01        |                            |
| <b>Labs Included</b>                  | 2           |              | 2           |              | 2           |              | 2           |                            |
| <b>Labs Reporting</b>                 | 2           |              | 2           |              | 2           |              | 2           |                            |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| P (SubTestCode 212) <span style="float: right;">Data units: Percent</span> |             |       |      |             |       |      |             |       |      |             |       |      |
|--|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|  | SRBSRB1605  |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |      |
| <b>P2ZHHY</b>  | <b>0.26</b> | 1.67  | 0.22 | <b>0.45</b> | 1.66  | 0.21 | <b>0.78</b> | 1.37  | 0.12 | <b>0.29</b> | 1.61  | 0.32 |
|  |             | 0.04  | 0.00 |             | 0.06  | 0.00 |             | 0.12  | 0.00 |             | 0.05  | 0.00 |
| <b>2V9A2L</b>  | <b>0.24</b> | 0.51  | 0.17 | <b>0.39</b> | 0.10  | 0.26 | <b>0.68</b> | 0.23  | 0.09 | <b>0.26</b> | 0.31  | 0.19 |
|  |             | 0.01  | 0.00 |             | 0.00  | 0.00 |             | 0.02  | 0.00 |             | 0.01  | 0.00 |
| <b>9G9ZXE</b>  | <b>0.22</b> | -0.07 | 0.25 | <b>0.38</b> | -0.17 | 0.51 | <b>0.68</b> | 0.18  | 0.63 | <b>0.24</b> | -0.13 | 0.55 |
|  |             | 0.00  | 0.00 |             | -0.01 | 0.01 |             | 0.02  | 0.01 |             | 0.00  | 0.01 |
| <b>7LQLUF</b>  | <b>0.23</b> | 0.43  | 0.15 | <b>0.40</b> | 0.35  | 0.60 | <b>0.66</b> | 0.02  | 0.48 | <b>0.24</b> | -0.09 | 0.30 |
|  |             | 0.01  | 0.00 |             | 0.01  | 0.01 |             | 0.00  | 0.01 |             | 0.00  | 0.00 |
| <b>UJH8JT</b>  | <b>0.19</b> | -1.63 | 2.84 | <b>0.32</b> | -1.95 | 2.98 | <b>0.59</b> | -0.78 | 0.88 | <b>0.20</b> | -1.71 | 2.40 |
|  |             | -0.04 | 0.03 |             | -0.07 | 0.04 |             | -0.07 | 0.02 |             | -0.05 | 0.02 |
| <b>ETFYA8</b>  | <b>0.25</b> | 1.35  | 0.15 | <b>0.42</b> | 0.97  | 0.60 | <b>0.70</b> | 0.40  | 0.20 | <b>0.25</b> | 0.10  | 0.40 |
|  |             | 0.03  | 0.00 |             | 0.04  | 0.01 |             | 0.03  | 0.00 |             | 0.00  | 0.00 |
| <b>WPJ78M</b>  | <b>0.19</b> | -1.50 | 0.03 | <b>0.33</b> | -1.66 | 0.22 | <b>0.35</b> | -3.58 | 0.05 | <b>0.19</b> | -1.87 | 0.17 |
|  |             | -0.04 | 0.00 |             | -0.06 | 0.00 |             | -0.31 | 0.00 |             | -0.05 | 0.00 |
| <b>NM37AU</b>  | <b>0.22</b> | -0.27 | 1.02 | <b>0.37</b> | -0.37 | 0.48 | <b>0.62</b> | -0.44 | 0.96 | <b>0.25</b> | 0.28  | 0.72 |
|  |             | -0.01 | 0.01 |             | -0.01 | 0.01 |             | -0.04 | 0.02 |             | 0.01  | 0.01 |
| <b>LU92FX</b>  | <b>0.22</b> | 0.00  | 0.58 | <b>0.38</b> | -0.09 | 0.46 | <b>0.67</b> | 0.11  | 0.44 | <b>0.27</b> | 0.70  | 0.57 |
|  |             | 0.00  | 0.01 |             | 0.00  | 0.01 |             | 0.01  | 0.01 |             | 0.02  | 0.01 |
| <b>PD8M9Q</b>  | <b>0.21</b> | -0.42 | 1.22 | <b>0.38</b> | -0.26 | 1.79 | <b>0.62</b> | -0.45 | 1.10 | <b>0.24</b> | -0.41 | 1.04 |
|  |             | -0.01 | 0.01 |             | -0.01 | 0.02 |             | -0.04 | 0.03 |             | -0.01 | 0.01 |
| <b>Z3VZNG</b>  | <b>0.21</b> | -0.57 | 0.00 | <b>0.37</b> | -0.55 | 0.46 | <b>0.62</b> | -0.43 | 0.25 | <b>0.22</b> | -0.81 | 0.57 |
|  |             | -0.01 | 0.00 |             | -0.02 | 0.01 |             | -0.04 | 0.01 |             | -0.02 | 0.01 |
| <b>KG6H4X</b>  | <b>0.22</b> | -0.34 | 0.88 | <b>0.40</b> | 0.29  | 1.13 | <b>0.65</b> | -0.18 | 2.13 | <b>0.25</b> | 0.03  | 0.76 |
|  |             | -0.01 | 0.01 |             | 0.01  | 0.01 |             | -0.02 | 0.05 |             | 0.00  | 0.01 |
| <b>KJBZ3T</b>  | <b>0.23</b> | 0.20  | 1.69 | <b>0.42</b> | 0.84  | 0.76 | <b>0.72</b> | 0.70  | 1.51 | <b>0.26</b> | 0.46  | 1.36 |
|  |             | 0.00  | 0.02 |             | 0.03  | 0.01 |             | 0.06  | 0.03 |             | 0.01  | 0.01 |
| <b>3HG3JC</b>  | <b>0.23</b> | 0.14  | 0.58 | <b>0.37</b> | -0.55 |      | <b>0.66</b> | -0.05 | 0.25 | <b>0.25</b> | 0.12  | 1.36 |
|  |             | 0.00  | 0.01 |             | -0.02 | 0.01 |             | 0.00  | 0.01 |             | 0.00  | 0.00 |
| <b>E8KYJY</b>  | <b>0.23</b> | 0.29  | 0.00 | <b>0.39</b> | 0.09  | 0.79 | <b>0.72</b> | 0.68  | 0.44 | <b>0.27</b> | 0.70  | 0.57 |
|  |             | 0.01  | 0.00 |             | 0.00  | 0.01 |             | 0.06  | 0.01 |             | 0.02  | 0.01 |
| <b>2ZLAYD</b>  | <b>0.21</b> | -0.57 | 0.00 | <b>0.39</b> | 0.18  | 1.21 | <b>0.66</b> | -0.01 | 0.00 | <b>0.25</b> | 0.00  | 0.57 |
|  |             | -0.01 | 0.00 |             | 0.01  | 0.02 |             | 0.00  | 0.00 |             | 0.00  | 0.01 |
| <b>9QXRK7</b>  | <b>0.20</b> | -1.03 | 0.06 | <b>0.35</b> | -1.01 | 0.21 | <b>0.61</b> | -0.58 | 0.11 | <b>0.22</b> | -0.98 | 0.25 |
|  |             | -0.02 | 0.00 |             | -0.04 | 0.00 |             | -0.05 | 0.00 |             | -0.03 | 0.00 |
| <b>XD4VUG</b>  | <b>0.21</b> | -0.37 | 0.31 | <b>0.39</b> | 0.04  | 0.41 | <b>0.66</b> | 0.00  | 0.58 | <b>0.24</b> | -0.20 | 0.17 |
|  |             | -0.01 | 0.00 |             | 0.00  | 0.01 |             | 0.00  | 0.01 |             | -0.01 | 0.00 |
| <b>9GTK67</b>  | <b>0.25</b> | 1.09  | 0.41 | <b>0.41</b> | 0.73  | 0.27 | <b>0.70</b> | 0.48  | 0.49 | <b>0.25</b> | 0.07  | 0.68 |
|  |             | 0.03  | 0.00 |             | 0.03  | 0.00 |             | 0.04  | 0.01 |             | 0.00  | 0.01 |
| <b>MFPVJN</b>  | <b>0.22</b> | 0.00  | 0.83 | <b>0.36</b> | -0.77 | 0.49 | <b>0.64</b> | -0.25 | 0.84 | <b>0.24</b> | -0.10 | 0.20 |
|  |             | 0.00  | 0.01 |             | -0.03 | 0.01 |             | -0.02 | 0.02 |             | 0.00  | 0.00 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |             |       |      |
|--------------------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|-------|------|
|                          | Difference  |         | W/L STD | Difference  |         | W/L STD | Difference  |         | W/L STD |             |       |      |
| <b>T8DRYH</b>            | <b>0.24</b> | 0.72    |         | <b>0.40</b> | 0.37    |         | <b>0.69</b> | 0.34    |         | <b>0.26</b> | 0.46  | 0.20 |
|                          |             | 0.02    | 0.00    |             | 0.01    | 0.00    |             | 0.03    | 0.00    |             | 0.01  | 0.00 |
| <b>2RDHVB</b>            | <b>0.22</b> | 0.03    | 1.22    | <b>0.37</b> | -0.44   | 1.96    | <b>0.66</b> | -0.01   | 0.74    | <b>0.24</b> | -0.38 | 1.43 |
|                          |             | 0.00    | 0.01    |             | -0.02   | 0.02    |             | 0.00    | 0.02    |             | -0.01 | 0.01 |
| <b>YNEK8D</b>            | <b>0.19</b> | -1.36   | 0.12    | <b>0.34</b> | -1.19   | 0.66    | <b>0.58</b> | -0.92   | 0.57    | <b>0.21</b> | -1.45 | 0.23 |
|                          |             | -0.03   | 0.00    |             | -0.04   | 0.01    |             | -0.08   | 0.01    |             | -0.04 | 0.00 |
| <b>RF99BG</b>            | <b>0.20</b> | -1.00   | 1.75    | <b>0.34</b> | -1.29   | 0.79    | <b>0.60</b> | -0.66   | 0.67    | <b>0.19</b> | -1.86 | 1.52 |
|                          |             | -0.02   | 0.02    |             | -0.05   | 0.01    |             | -0.06   | 0.02    |             | -0.05 | 0.02 |
| <b>BX698W</b>            | <b>0.25</b> | 1.31    | 0.07    | <b>0.40</b> | 0.43    | 0.31    | <b>0.69</b> | 0.30    | 0.19    | <b>0.24</b> | -0.23 | 0.36 |
|                          |             | 0.03    | 0.00    |             | 0.02    | 0.00    |             | 0.03    | 0.00    |             | -0.01 | 0.00 |
| <b>M938NJ</b>            | <b>0.22</b> | -0.29   | 0.56    | <b>0.34</b> | -1.16   | 1.19    | <b>0.59</b> | -0.76   | 1.30    | <b>0.22</b> | -1.05 | 0.32 |
|                          |             | -0.01   | 0.01    |             | -0.04   | 0.02    |             | -0.07   | 0.03    |             | -0.03 | 0.00 |
| <b>Z4BZ87</b>            | <b>0.23</b> | 0.20    | 0.46    | <b>0.40</b> | 0.29    | 0.29    | <b>0.67</b> | 0.07    | 3.62    | <b>0.26</b> | 0.36  | 0.69 |
|                          |             | 0.00    | 0.00    |             | 0.01    | 0.00    |             | 0.01    | 0.08    |             | 0.01  | 0.01 |
| <b>6TTCZZ</b>            | <b>0.26</b> | 1.78    | 1.73    | <b>0.45</b> | 1.86    | 1.40    | <b>0.86</b> | 2.28    | 1.60    | <b>0.30</b> | 1.70  | 0.61 |
|                          |             | 0.04    | 0.02    |             | 0.07    | 0.02    |             | 0.20    | 0.04    |             | 0.05  | 0.01 |
| <b>GKM94Q</b>            | <b>0.22</b> | -0.29   | 0.58    | <b>0.39</b> | 0.00    | 0.46    | <b>0.66</b> | 0.03    | 0.25    | <b>0.25</b> | 0.00  | 0.57 |
|                          |             | -0.01   | 0.01    |             | 0.00    | 0.01    |             | 0.00    | 0.01    |             | 0.00  | 0.01 |
| <b>ACVHGX</b>            | <b>0.25</b> | 1.17    | 0.32    | <b>0.44</b> | 1.36    | 1.20    | <b>0.76</b> | 1.18    | 0.52    | <b>0.30</b> | 1.71  | 0.23 |
|                          |             | 0.03    | 0.00    |             | 0.05    | 0.02    |             | 0.10    | 0.01    |             | 0.05  | 0.00 |
| <b>6UNU32</b>            | <b>0.23</b> | 0.12    | 0.62    | <b>0.39</b> | 0.15    | 0.99    | <b>0.70</b> | 0.46    | 1.63    | <b>0.29</b> | 1.49  | 0.20 |
|                          |             | 0.00    | 0.01    |             | 0.01    | 0.01    |             | 0.04    | 0.04    |             | 0.04  | 0.00 |
| <b>XJT9V6</b>            | <b>0.21</b> | -0.79   | 0.59    | <b>0.37</b> | -0.39   | 0.76    | <b>0.61</b> | -0.59   | 0.38    | <b>0.22</b> | -0.85 | 0.59 |
|                          |             | -0.02   | 0.01    |             | -0.01   | 0.01    |             | -0.05   | 0.01    |             | -0.02 | 0.01 |
| <b>UJXXPB</b>            | <b>0.20</b> | -1.03   | 0.25    | <b>0.35</b> | -0.98   | 0.60    | <b>0.30</b> | -4.11   | 0.22    | <b>0.23</b> | -0.70 | 0.25 |
|                          |             | -0.02   | 0.00    |             | -0.04   | 0.01    |             | -0.36   | 0.01    |             | -0.02 | 0.00 |
| <b>D84HQR</b>            | <b>0.24</b> | 0.92    | 0.32    | <b>0.40</b> | 0.36    | 0.12    | <b>0.73</b> | 0.75    | 0.27    | <b>0.27</b> | 0.70  | 0.40 |
|                          |             | 0.02    | 0.00    |             | 0.01    | 0.00    |             | 0.07    | 0.01    |             | 0.02  | 0.00 |
| <b>9KRXTW</b>            | <b>0.23</b> | 0.14    | 3.08    | <b>0.36</b> | -0.74   | 2.10    | <b>0.64</b> | -0.24   | 0.87    | <b>0.25</b> | 0.00  | 4.01 |
|                          |             | 0.00    | 0.03    |             | -0.03   | 0.03    |             | -0.02   | 0.02    |             | 0.00  | 0.04 |
| <b>Grand Median</b>      |             | 0.22    |         |             | 0.39    |         |             | 0.66    |         |             | 0.25  |      |
| <b>Median Abs Dev</b>    |             | 0.01    |         |             | 0.02    |         |             | 0.04    |         |             | 0.01  |      |
| <b>Avg Within Lab SD</b> |             | 0.01    |         |             | 0.01    |         |             | 0.02    |         |             | 0.01  |      |
| <b>Labs Included</b>     |             | 35      |         |             | 35      |         |             | 35      |         |             | 35    |      |
| <b>Labs Reporting</b>    |             | 35      |         |             | 35      |         |             | 35      |         |             | 35    |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K (SubTestCode 213) | in the Wet Digestion Property Groups |       |      |            |       |      |            |       |      | Data units: Percent |       |      |
|---------------------|--------------------------------------|-------|------|------------|-------|------|------------|-------|------|---------------------|-------|------|
|                     | SRBSRB1605                           |       |      | SRBSRB1606 |       |      | SRBSRB1607 |       |      |                     |       |      |
| P2ZHHY              | 4.81                                 | 2.18  | 0.25 | 4.74       | 1.41  | 0.12 | 7.27       | 0.48  | 0.12 | 9.42                | 0.87  | 0.19 |
|                     |                                      | 0.85  | 0.05 |            | 0.60  | 0.03 |            | 0.47  | 0.04 |                     | 0.93  | 0.07 |
| 2V9A2L              | 4.18                                 | 0.57  | 0.09 | 4.14       | 0.00  | 0.15 | 6.95       | 0.15  | 0.10 | 8.56                | 0.07  | 0.10 |
|                     |                                      | 0.22  | 0.02 |            | 0.00  | 0.03 |            | 0.15  | 0.04 |                     | 0.07  | 0.04 |
| 9G9ZXE              | 3.77                                 | -0.48 | 0.41 | 3.87       | -0.64 | 0.27 | 6.75       | -0.06 | 0.09 | 8.04                | -0.42 | 0.16 |
|                     |                                      | -0.19 | 0.08 |            | -0.27 | 0.06 |            | -0.05 | 0.04 |                     | -0.45 | 0.06 |
| 7LQLUF              | 3.58                                 | -0.97 | 0.13 | 4.18       | 0.09  | 0.42 | 6.63       | -0.17 | 0.08 | 8.50                | 0.01  | 0.93 |
|                     |                                      | -0.38 | 0.02 |            | 0.04  | 0.09 |            | -0.17 | 0.03 |                     | 0.01  | 0.36 |
| UJH8JT              | 3.55                                 | -1.04 | 0.99 | 3.66       | -1.14 | 0.42 | 6.29       | -0.53 | 0.54 | 7.96                | -0.50 | 1.23 |
|                     |                                      | -0.41 | 0.19 |            | -0.48 | 0.10 |            | -0.51 | 0.21 |                     | -0.53 | 0.48 |
| ETFYA8              | 4.13                                 | 0.44  | 0.21 | 4.26       | 0.29  | 0.45 | 6.95       | 0.16  | 0.30 | 8.09                | -0.37 | 0.33 |
|                     |                                      | 0.17  | 0.04 |            | 0.12  | 0.10 |            | 0.15  | 0.12 |                     | -0.40 | 0.13 |
| WPJ78M              | 3.05                                 | -2.33 | 0.02 | 3.44       | -1.65 | 0.56 | 3.17       | -3.75 | 0.05 | 5.63                | -2.67 | 0.45 |
|                     |                                      | -0.91 | 0.00 |            | -0.70 | 0.13 |            | -3.63 | 0.02 |                     | -2.86 | 0.17 |
| NM37AU              | 3.58                                 | -0.96 | 1.28 | 3.56       | -1.37 | 1.52 | 6.55       | -0.26 | 1.01 | 8.68                | 0.18  | 1.38 |
|                     |                                      | -0.38 | 0.25 |            | -0.58 | 0.34 |            | -0.25 | 0.39 |                     | 0.19  | 0.53 |
| LU92FX              | 3.72                                 | -0.61 | 0.34 | 3.64       | -1.18 | 0.36 | 6.22       | -0.60 | 0.04 | 7.24                | -1.17 | 0.14 |
|                     |                                      | -0.24 | 0.07 |            | -0.50 | 0.08 |            | -0.58 | 0.02 |                     | -1.25 | 0.06 |
| PD8M9Q              | 3.84                                 | -0.31 | 0.46 | 3.77       | -0.86 | 0.40 | 6.08       | -0.74 | 0.42 | 8.23                | -0.24 | 0.52 |
|                     |                                      | -0.12 | 0.09 |            | -0.36 | 0.09 |            | -0.72 | 0.16 |                     | -0.26 | 0.20 |
| Z3VZNG              | 3.60                                 | -0.91 | 0.34 | 3.65       | -1.15 | 0.16 | 6.54       | -0.27 | 0.20 | 7.92                | -0.53 | 0.51 |
|                     |                                      | -0.36 | 0.07 |            | -0.49 | 0.04 |            | -0.26 | 0.08 |                     | -0.57 | 0.20 |
| KG6H4X              | 3.78                                 | -0.46 | 1.66 | 4.24       | 0.24  | 2.71 | 7.33       | 0.55  | 4.34 | 9.31                | 0.77  | 4.73 |
|                     |                                      | -0.18 | 0.32 |            | 0.10  | 0.61 |            | 0.53  | 1.67 |                     | 0.82  | 1.82 |
| KJBZ3T              | 4.03                                 | 0.18  | 0.05 | 4.41       | 0.65  | 0.41 | 7.48       | 0.70  | 0.76 | 8.90                | 0.38  | 1.34 |
|                     |                                      | 0.07  | 0.01 |            | 0.28  | 0.09 |            | 0.68  | 0.29 |                     | 0.41  | 0.52 |
| 3HG3JC              | 3.86                                 | -0.26 | 0.15 | 4.07       | -0.17 | 0.26 | 7.08       | 0.29  | 0.32 | 7.41                | -1.00 | 0.69 |
|                     |                                      | -0.10 | 0.03 |            | -0.07 | 0.06 |            | 0.28  | 0.12 |                     | -1.08 | 0.27 |
| E8KYJY              | 3.96                                 | 0.00  | 0.45 | 4.26       | 0.29  | 0.50 | 7.42       | 0.64  | 0.12 | 9.08                | 0.55  | 0.60 |
|                     |                                      | 0.00  | 0.09 |            | 0.12  | 0.11 |            | 0.62  | 0.05 |                     | 0.59  | 0.23 |
| 2ZLAYD              | 4.00                                 | 0.10  | 4.46 | 3.73       | -0.96 | 3.79 | 5.43       | -1.41 | 0.66 | 5.07                | -3.20 | 0.83 |
|                     |                                      | 0.04  | 0.87 |            | -0.40 | 0.85 |            | -1.37 | 0.25 |                     | -3.42 | 0.32 |
| 9QXRK7              | 3.93                                 | -0.07 | 0.13 | 4.37       | 0.55  | 0.56 | 7.55       | 0.78  | 0.27 | 9.10                | 0.57  | 0.18 |
|                     |                                      | -0.03 | 0.03 |            | 0.23  | 0.12 |            | 0.75  | 0.11 |                     | 0.61  | 0.07 |
| XD4VUG              | 4.03                                 | 0.17  | 0.41 | 4.36       | 0.52  | 0.25 | 7.08       | 0.29  | 0.10 | 8.91                | 0.39  | 0.54 |
|                     |                                      | 0.07  | 0.08 |            | 0.22  | 0.06 |            | 0.28  | 0.04 |                     | 0.42  | 0.21 |
| 9GTK67              | 4.90                                 | 2.39  | 0.49 | 4.55       | 0.97  | 0.19 | 7.92       | 1.16  | 0.06 | 9.59                | 1.03  | 0.34 |
|                     |                                      | 0.94  | 0.09 |            | 0.41  | 0.04 |            | 1.12  | 0.02 |                     | 1.10  | 0.13 |
| MFPVJN              | 3.71                                 | -0.64 | 0.14 | 3.80       | -0.79 | 0.58 | 6.65       | -0.15 | 0.77 | 8.34                | -0.14 | 0.13 |
|                     |                                      | -0.25 | 0.03 |            | -0.34 | 0.13 |            | -0.15 | 0.30 |                     | -0.15 | 0.05 |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |              |       |      |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------|-------|------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |              |       |      |
| <b>T8DRYH</b>            | <b>3.99</b>        | 0.08    |         | <b>4.07</b>        | -0.16   |         | <b>6.37</b>        | -0.44   |         | <b>7.89</b>  | -0.56 | 0.13 |
|                          |                    | 0.03    | 0.00    |                    | -0.07   | 0.00    |                    | -0.43   | 0.00    |              | -0.60 | 0.00 |
| <b>2RDHVB</b>            | <b>4.17</b>        | 0.53    | 1.13    | <b>4.50</b>        | 0.84    | 2.35    | <b>7.45</b>        | 0.67    | 1.19    | <b>8.93</b>  | 0.41  | 0.72 |
|                          |                    | 0.21    | 0.22    |                    | 0.36    | 0.53    |                    | 0.65    | 0.46    |              | 0.44  | 0.28 |
| <b>YNEK8D</b>            | <b>3.71</b>        | -0.64   | 0.17    | <b>3.72</b>        | -0.99   | 0.38    | <b>6.72</b>        | -0.08   | 0.52    | <b>8.43</b>  | -0.06 | 0.46 |
|                          |                    | -0.25   | 0.03    |                    | -0.42   | 0.09    |                    | -0.08   | 0.20    |              | -0.06 | 0.18 |
| <b>RF99BG</b>            | <b>3.63</b>        | -0.83   | 0.59    | <b>3.93</b>        | -0.48   | 0.51    | <b>6.80</b>        | 0.00    | 1.19    | <b>8.27</b>  | -0.21 | 0.15 |
|                          |                    | -0.33   | 0.12    |                    | -0.20   | 0.12    |                    | 0.00    | 0.46    |              | -0.22 | 0.06 |
| <b>BX698W</b>            | <b>4.24</b>        | 0.72    | 0.18    | <b>4.21</b>        | 0.17    | 0.36    | <b>7.01</b>        | 0.22    | 0.17    | <b>8.83</b>  | 0.32  | 0.34 |
|                          |                    | 0.28    | 0.04    |                    | 0.07    | 0.08    |                    | 0.21    | 0.07    |              | 0.34  | 0.13 |
| <b>M938NJ</b>            | <b>3.98</b>        | 0.06    | 0.92    | <b>3.96</b>        | -0.43   | 0.25    | <b>6.37</b>        | -0.45   | 0.98    | <b>8.08</b>  | -0.38 | 0.46 |
|                          |                    | 0.02    | 0.18    |                    | -0.18   | 0.06    |                    | -0.43   | 0.38    |              | -0.41 | 0.18 |
| <b>Z4BZ87</b>            | <b>3.65</b>        | -0.79   | 0.23    | <b>3.90</b>        | -0.56   | 0.16    | <b>6.23</b>        | -0.59   | 1.84    | <b>8.49</b>  | 0.00  | 0.62 |
|                          |                    | -0.31   | 0.05    |                    | -0.24   | 0.04    |                    | -0.57   | 0.71    |              | 0.00  | 0.24 |
| <b>6TTCZZ</b>            | <b>4.45</b>        | 1.24    | 1.86    | <b>4.63</b>        | 1.16    | 1.29    | <b>8.25</b>        | 1.50    | 0.90    | <b>10.27</b> | 1.66  | 0.40 |
|                          |                    | 0.49    | 0.36    |                    | 0.49    | 0.29    |                    | 1.45    | 0.35    |              | 1.78  | 0.15 |
| <b>GKM94Q</b>            | <b>3.90</b>        | -0.16   | 0.52    | <b>3.72</b>        | -0.98   | 0.27    | <b>6.75</b>        | -0.05   | 0.26    | <b>8.00</b>  | -0.46 | 0.14 |
|                          |                    | -0.06   | 0.10    |                    | -0.41   | 0.06    |                    | -0.05   | 0.10    |              | -0.49 | 0.05 |
| <b>ACVHGX</b>            | <b>4.12</b>        | 0.40    | 0.48    | <b>4.38</b>        | 0.57    | 0.40    | <b>7.26</b>        | 0.47    | 0.35    | <b>9.34</b>  | 0.80  | 0.42 |
|                          |                    | 0.16    | 0.09    |                    | 0.24    | 0.09    |                    | 0.46    | 0.13    |              | 0.85  | 0.16 |
| <b>6UNU32</b>            | <b>3.96</b>        | 0.01    | 0.77    | <b>4.35</b>        | 0.51    | 0.49    | <b>7.70</b>        | 0.93    | 1.31    | <b>10.24</b> | 1.64  | 0.34 |
|                          |                    | 0.00    | 0.15    |                    | 0.22    | 0.11    |                    | 0.90    | 0.50    |              | 1.75  | 0.13 |
| <b>XJT9V6</b>            | <b>4.14</b>        | 0.45    | 0.71    | <b>4.20</b>        | 0.14    | 0.11    | <b>6.94</b>        | 0.15    | 0.12    | <b>8.45</b>  | -0.04 | 0.59 |
|                          |                    | 0.18    | 0.14    |                    | 0.06    | 0.02    |                    | 0.14    | 0.05    |              | -0.04 | 0.23 |
| <b>UJKXPB</b>            | <b>3.49</b>        | -1.21   | 0.06    | <b>3.82</b>        | -0.76   | 0.03    | <b>3.13</b>        | -3.79   | 0.14    | <b>7.88</b>  | -0.57 | 0.38 |
|                          |                    | -0.47   | 0.01    |                    | -0.32   | 0.01    |                    | -3.67   | 0.06    |              | -0.61 | 0.15 |
| <b>D84HQR</b>            | <b>4.29</b>        | 0.84    | 0.59    | <b>4.35</b>        | 0.50    | 0.15    | <b>7.89</b>        | 1.12    | 1.40    | <b>9.16</b>  | 0.62  | 0.63 |
|                          |                    | 0.33    | 0.12    |                    | 0.21    | 0.03    |                    | 1.09    | 0.54    |              | 0.67  | 0.24 |
| <b>9KRXTW</b>            | <b>4.19</b>        | 0.59    | 0.52    | <b>4.33</b>        | 0.45    | 0.27    | <b>6.79</b>        | -0.01   | 0.68    | <b>9.38</b>  | 0.83  | 0.92 |
|                          |                    | 0.23    | 0.10    |                    | 0.19    | 0.06    |                    | -0.01   | 0.26    |              | 0.89  | 0.36 |
| <b>Grand Median</b>      |                    | 3.96    |         |                    | 4.14    |         |                    | 6.80    |         |              | 8.49  |      |
| <b>Median Abs Dev</b>    |                    | 0.22    |         |                    | 0.24    |         |                    | 0.46    |         |              | 0.53  |      |
| <b>Avg Within Lab SD</b> |                    | 0.20    |         |                    | 0.22    |         |                    | 0.38    |         |              | 0.39  |      |
| <b>Labs Included</b>     |                    | 35      |         |                    | 35      |         |                    | 35      |         |              | 35    |      |
| <b>Labs Reporting</b>    |                    | 35      |         |                    | 35      |         |                    | 35      |         |              | 35    |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ca (SubTestCode 214) <span style="float: right;">Data units: Percent</span> |             |       |      |             |       |      |             |       |      |             |       |      |
|---|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|   | SRBSRB1605  |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |      |
| <b>P2ZHHY</b>   | <b>0.48</b> | 0.89  | 0.18 | <b>0.42</b> | 0.63  | 0.10 | <b>2.69</b> | 0.43  | 0.13 | <b>1.99</b> | 1.51  | 0.08 |
|   |             | 0.06  | 0.00 |             | 0.03  | 0.00 |             | 0.14  | 0.02 |             | 0.26  | 0.01 |
| <b>2V9A2L</b>   | <b>0.45</b> | 0.37  | 0.24 | <b>0.40</b> | 0.23  | 0.13 | <b>2.73</b> | 0.56  | 0.13 | <b>1.93</b> | 1.16  | 0.06 |
|   |             | 0.02  | 0.00 |             | 0.01  | 0.00 |             | 0.19  | 0.02 |             | 0.20  | 0.00 |
| <b>9G9ZXE</b>   | <b>0.43</b> | 0.14  | 0.23 | <b>0.39</b> | 0.00  | 0.18 | <b>2.63</b> | 0.24  | 0.13 | <b>1.77</b> | 0.22  | 0.08 |
|   |             | 0.01  | 0.00 |             | 0.00  | 0.00 |             | 0.08  | 0.02 |             | 0.04  | 0.01 |
| <b>7LQLUF</b>   | <b>0.45</b> | 0.43  | 0.45 | <b>0.44</b> | 0.94  | 0.73 | <b>2.84</b> | 0.89  | 0.31 | <b>1.83</b> | 0.56  | 0.77 |
|   |             | 0.03  | 0.01 |             | 0.05  | 0.02 |             | 0.30  | 0.04 |             | 0.09  | 0.06 |
| <b>UJH8JT</b>   | <b>0.36</b> | -0.95 | 2.48 | <b>0.32</b> | -1.45 | 0.71 | <b>2.39</b> | -0.47 | 0.21 | <b>1.76</b> | 0.14  | 1.69 |
|   |             | -0.06 | 0.04 |             | -0.07 | 0.02 |             | -0.16 | 0.03 |             | 0.02  | 0.12 |
| <b>ETFYA8</b>   | <b>0.48</b> | 0.92  | 0.56 | <b>0.43</b> | 0.74  | 1.07 | <b>2.62</b> | 0.24  | 0.53 | <b>1.75</b> | 0.06  | 0.76 |
|   |             | 0.06  | 0.01 |             | 0.04  | 0.02 |             | 0.08  | 0.06 |             | 0.01  | 0.05 |
| <b>WPJ78M</b>   | <b>0.34</b> | -1.39 | 0.01 | <b>0.34</b> | -1.04 | 0.01 | <b>1.35</b> | -3.56 | 0.09 | <b>1.49</b> | -1.47 | 0.06 |
|   |             | -0.09 | 0.00 |             | -0.05 | 0.00 |             | -1.19 | 0.01 |             | -0.25 | 0.00 |
| <b>NM37AU</b>   | <b>0.42</b> | 0.00  | 1.28 | <b>0.40</b> | 0.09  | 1.50 | <b>2.40</b> | -0.42 | 1.47 | <b>1.76</b> | 0.14  | 1.24 |
|   |             | 0.00  | 0.02 |             | 0.00  | 0.03 |             | -0.14 | 0.17 |             | 0.02  | 0.09 |
| <b>LU92FX</b>   | <b>0.62</b> | 3.06  | 0.35 | <b>0.49</b> | 2.12  | 0.27 | <b>2.63</b> | 0.25  | 0.47 | <b>1.92</b> | 1.08  | 0.37 |
|   |             | 0.19  | 0.01 |             | 0.10  | 0.01 |             | 0.09  | 0.06 |             | 0.18  | 0.03 |
| <b>PD8M9Q</b>   | <b>0.40</b> | -0.42 | 2.09 | <b>0.37</b> | -0.43 | 0.49 | <b>2.20</b> | -1.02 | 1.08 | <b>1.59</b> | -0.85 | 1.17 |
|   |             | -0.03 | 0.03 |             | -0.02 | 0.01 |             | -0.34 | 0.13 |             | -0.14 | 0.08 |
| <b>Z3VZNG</b>   | <b>0.37</b> | -0.90 | 0.35 | <b>0.34</b> | -1.03 | 0.27 | <b>2.28</b> | -0.78 | 0.05 | <b>1.54</b> | -1.16 | 0.48 |
|   |             | -0.06 | 0.01 |             | -0.05 | 0.01 |             | -0.26 | 0.01 |             | -0.20 | 0.03 |
| <b>KG6H4X</b>   | <b>0.40</b> | -0.40 | 0.18 | <b>0.40</b> | 0.14  | 0.14 | <b>2.49</b> | -0.16 | 0.90 | <b>1.63</b> | -0.65 | 0.58 |
|   |             | -0.03 | 0.00 |             | 0.01  | 0.00 |             | -0.05 | 0.11 |             | -0.11 | 0.04 |
| <b>KJBZ3T</b>   | <b>0.44</b> | 0.28  | 0.85 | <b>0.43</b> | 0.88  | 0.58 | <b>2.68</b> | 0.39  | 1.16 | <b>1.74</b> | 0.00  | 1.18 |
|   |             | 0.02  | 0.01 |             | 0.04  | 0.01 |             | 0.13  | 0.14 |             | 0.00  | 0.09 |
| <b>3HG3JC</b>   | <b>0.41</b> | -0.26 | 0.35 | <b>0.37</b> | -0.47 | 0.00 | <b>2.43</b> | -0.33 | 0.32 | <b>1.70</b> | -0.24 | 0.29 |
|   |             | -0.02 | 0.01 |             | -0.02 | 0.00 |             | -0.11 | 0.04 |             | -0.04 | 0.02 |
| <b>E8KYJY</b>   | <b>0.45</b> | 0.37  | 0.35 | <b>0.41</b> | 0.37  | 0.47 | <b>2.85</b> | 0.90  | 0.18 | <b>1.82</b> | 0.49  | 0.28 |
|   |             | 0.02  | 0.01 |             | 0.02  | 0.01 |             | 0.30  | 0.02 |             | 0.08  | 0.02 |
| <b>2ZLAYD</b>   | <b>0.38</b> | -0.63 | 0.71 | <b>0.40</b> | 0.16  | 3.26 | <b>2.57</b> | 0.07  | 3.44 | <b>1.73</b> | -0.02 | 3.50 |
|   |             | -0.04 | 0.01 |             | 0.01  | 0.07 |             | 0.02  | 0.40 |             | 0.00  | 0.25 |
| <b>XD4VUG</b>   | <b>0.40</b> | -0.31 | 0.25 | <b>0.38</b> | -0.24 | 0.27 | <b>2.50</b> | -0.13 | 0.58 | <b>1.66</b> | -0.43 | 0.26 |
|   |             | -0.02 | 0.00 |             | -0.01 | 0.01 |             | -0.04 | 0.07 |             | -0.07 | 0.02 |
| <b>9GTK67</b>   | <b>0.44</b> | 0.30  | 0.50 | <b>0.41</b> | 0.37  | 0.36 | <b>2.77</b> | 0.68  | 0.46 | <b>1.62</b> | -0.71 | 0.50 |
|   |             | 0.02  | 0.01 |             | 0.02  | 0.01 |             | 0.23  | 0.05 |             | -0.12 | 0.04 |
| <b>MFPVJN</b>   | <b>0.41</b> | -0.23 | 1.10 | <b>0.38</b> | -0.30 | 0.23 | <b>2.61</b> | 0.21  | 0.41 | <b>1.74</b> | 0.05  | 0.27 |
|   |             | -0.01 | 0.02 |             | -0.01 | 0.00 |             | 0.07  | 0.05 |             | 0.01  | 0.02 |
| <b>T8DRYH</b>   | <b>0.44</b> | 0.26  |      | <b>0.40</b> | 0.16  |      | <b>2.48</b> | -0.19 |      | <b>1.72</b> | -0.10 | 0.27 |
|   |             | 0.02  | 0.00 |             | 0.01  | 0.00 |             | -0.06 | 0.00 |             | -0.02 | 0.00 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |             |       |      |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|-------------|-------|------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |             |       |      |
| <b>2RDHVB</b>            | <b>0.37</b>        | -0.92   | 1.87    | <b>0.37</b>        | -0.54   | 2.65    | <b>2.58</b>        | 0.11    | 1.64    | <b>1.62</b> | -0.71 | 1.34 |
| <b>YNEK8D</b>            | <b>0.36</b>        | -0.06   | 0.03    | <b>0.35</b>        | -0.03   | 0.06    | <b>2.35</b>        | 0.04    | 0.19    | <b>1.55</b> | -0.12 | 0.10 |
| <b>RF99BG</b>            | <b>0.19</b>        | -0.95   | 0.50    | <b>0.18</b>        | -0.96   | 0.36    | <b>1.23</b>        | -0.59   | 0.26    | <b>0.81</b> | -1.13 | 0.31 |
| <b>BX698W</b>            | <b>0.44</b>        | -0.06   | 0.01    | <b>0.39</b>        | -0.05   | 0.01    | <b>2.54</b>        | -0.20   | 0.03    | <b>1.78</b> | -0.19 | 0.02 |
| <b>M938NJ</b>            | <b>0.40</b>        | -3.69   | 0.61    | <b>0.34</b>        | -4.46   | 0.00    | <b>2.34</b>        | -3.91   | 1.30    | <b>1.54</b> | -5.47 | 0.37 |
| <b>Z4BZ87</b>            | <b>0.37</b>        | -0.23   | 0.01    | <b>0.36</b>        | -0.21   | 0.00    | <b>2.25</b>        | -1.31   | 0.15    | <b>1.60</b> | -0.93 | 0.03 |
| <b>6TTCZZ</b>            | <b>0.43</b>        | 0.28    | 0.38    | <b>0.39</b>        | -0.11   | 0.25    | <b>2.72</b>        | 0.00    | 0.14    | <b>1.85</b> | 0.25  | 0.09 |
| <b>GKM94Q</b>            | <b>0.36</b>        | 0.02    | 0.01    | <b>0.32</b>        | -0.01   | 0.01    | <b>2.51</b>        | 0.00    | 0.02    | <b>1.63</b> | 0.04  | 0.01 |
| <b>ACVHGX</b>            | <b>0.46</b>        | -0.30   | 0.58    | <b>0.43</b>        | -1.05   | 0.75    | <b>2.47</b>        | -0.60   | 1.11    | <b>1.90</b> | -1.14 | 0.21 |
| <b>6UNU32</b>            | <b>0.44</b>        | -0.02   | 0.01    | <b>0.44</b>        | -0.05   | 0.02    | <b>2.84</b>        | -0.20   | 0.13    | <b>1.89</b> | -0.19 | 0.02 |
| <b>XJT9V6</b>            | <b>0.46</b>        | -0.80   | 0.53    | <b>0.41</b>        | -0.70   | 0.94    | <b>2.69</b>        | -0.89   | 2.42    | <b>1.81</b> | -0.81 | 0.24 |
| <b>UJKXPB</b>            | <b>0.33</b>        | -0.05   | 0.01    | <b>0.33</b>        | -0.03   | 0.02    | <b>1.09</b>        | -0.30   | 0.28    | <b>1.45</b> | -0.14 | 0.02 |
| <b>D84HQR</b>            | <b>0.45</b>        | 0.16    | 1.52    | <b>0.39</b>        | 0.04    | 0.88    | <b>2.86</b>        | 0.51    | 0.34    | <b>1.86</b> | 0.69  | 0.32 |
| <b>9KRXTW</b>            | <b>0.56</b>        | 0.01    | 0.02    | <b>0.48</b>        | 0.00    | 0.02    | <b>2.79</b>        | 0.17    | 0.04    | <b>1.94</b> | 0.12  | 0.02 |
|                          |                    | -0.95   | 1.42    |                    | -1.59   | 1.42    |                    | -0.09   | 0.30    |             | -0.61 | 0.16 |
|                          |                    | -0.06   | 0.02    |                    | -0.08   | 0.03    |                    | -0.03   | 0.04    |             | -0.10 | 0.01 |
|                          |                    | 0.62    | 0.13    |                    | 0.84    | 0.65    |                    | -0.21   | 0.87    |             | 0.97  | 0.32 |
|                          |                    | 0.04    | 0.00    |                    | 0.04    | 0.01    |                    | -0.07   | 0.10    |             | 0.17  | 0.02 |
|                          |                    | 0.20    | 0.93    |                    | 0.94    | 0.22    |                    | 0.87    | 1.39    |             | 0.92  | 1.15 |
|                          |                    | 0.01    | 0.02    |                    | 0.04    | 0.00    |                    | 0.29    | 0.16    |             | 0.16  | 0.08 |
|                          |                    | 0.57    | 0.99    |                    | 0.45    | 0.81    |                    | 0.42    | 0.26    |             | 0.40  | 0.59 |
|                          |                    | 0.04    | 0.02    |                    | 0.02    | 0.02    |                    | 0.14    | 0.03    |             | 0.07  | 0.04 |
|                          |                    | -1.48   | 0.30    |                    | -1.25   | 0.20    |                    | -4.34   | 0.67    |             | -1.67 | 0.29 |
|                          |                    | -0.09   | 0.00    |                    | -0.06   | 0.00    |                    | -1.45   | 0.08    |             | -0.28 | 0.02 |
|                          |                    | 0.35    | 0.25    |                    | -0.08   | 0.65    |                    | 0.94    | 0.44    |             | 0.71  | 0.71 |
|                          |                    | 0.02    | 0.00    |                    | 0.00    | 0.01    |                    | 0.32    | 0.05    |             | 0.12  | 0.05 |
|                          |                    | 2.16    | 2.46    |                    | 1.91    | 1.88    |                    | 0.74    | 0.77    |             | 1.22  | 2.57 |
|                          |                    | 0.14    | 0.04    |                    | 0.09    | 0.04    |                    | 0.25    | 0.09    |             | 0.21  | 0.19 |
| <b>Grand Median</b>      |                    | 0.42    |         | 0.39               |         |         | 2.54               |         |         | 1.74        |       |      |
| <b>Median Abs Dev</b>    |                    | 0.03    |         | 0.03               |         |         | 0.14               |         |         | 0.12        |       |      |
| <b>Avg Within Lab SD</b> |                    | 0.02    |         | 0.02               |         |         | 0.12               |         |         | 0.07        |       |      |
| <b>Labs Included</b>     |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33          |       |      |
| <b>Labs Reporting</b>    |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mg (SubTestCode 215) | in the Wet Digestion Property Groups |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|----------------------|--------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|                      | SRBSRB1605                           |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |                     |       |      |
| <b>P2ZHHY</b>        | <b>0.37</b>                          | 1.14  | 0.12 | <b>0.20</b> | 0.78  | 0.11 | <b>0.66</b> | 0.40  | 0.13 | <b>1.02</b>         | 0.24  | 0.29 |
|                      |                                      | 0.04  | 0.00 |             | 0.02  | 0.00 |             | 0.04  | 0.00 |                     | 0.03  | 0.01 |
| <b>2V9A2L</b>        | <b>0.36</b>                          | 0.96  | 0.14 | <b>0.20</b> | 0.71  | 0.34 | <b>0.68</b> | 0.54  | 0.23 | <b>1.08</b>         | 0.79  | 0.14 |
|                      |                                      | 0.03  | 0.00 |             | 0.02  | 0.00 |             | 0.05  | 0.01 |                     | 0.09  | 0.00 |
| <b>9G9ZXE</b>        | <b>0.30</b>                          | -0.61 | 0.20 | <b>0.16</b> | -0.87 | 0.21 | <b>0.60</b> | -0.21 | 0.51 | <b>0.95</b>         | -0.28 | 0.66 |
|                      |                                      | -0.02 | 0.00 |             | -0.02 | 0.00 |             | -0.02 | 0.01 |                     | -0.03 | 0.02 |
| <b>7LQLUF</b>        | <b>0.35</b>                          | 0.72  | 0.36 | <b>0.20</b> | 0.98  | 0.36 | <b>0.69</b> | 0.66  | 0.09 | <b>1.04</b>         | 0.41  | 0.20 |
|                      |                                      | 0.03  | 0.00 |             | 0.02  | 0.00 |             | 0.07  | 0.00 |                     | 0.05  | 0.01 |
| <b>UJH8JT</b>        | <b>0.29</b>                          | -1.05 | 2.00 | <b>0.15</b> | -1.50 | 1.03 | <b>0.57</b> | -0.55 | 0.92 | <b>0.98</b>         | -0.03 | 1.45 |
|                      |                                      | -0.04 | 0.03 |             | -0.03 | 0.01 |             | -0.05 | 0.02 |                     | 0.00  | 0.05 |
| <b>ETFYA8</b>        | <b>0.34</b>                          | 0.53  | 0.52 | <b>0.19</b> | 0.19  | 0.66 | <b>0.65</b> | 0.31  | 0.45 | <b>1.13</b>         | 1.15  | 0.71 |
|                      |                                      | 0.02  | 0.01 |             | 0.00  | 0.01 |             | 0.03  | 0.01 |                     | 0.14  | 0.02 |
| <b>WPJ78M</b>        | <b>0.28</b>                          | -1.27 | 0.02 | <b>0.16</b> | -1.11 | 0.07 | <b>0.35</b> | -2.69 | 0.00 | <b>0.96</b>         | -0.25 | 0.00 |
|                      |                                      | -0.05 | 0.00 |             | -0.02 | 0.00 |             | -0.27 | 0.00 |                     | -0.03 | 0.00 |
| <b>NM37AU</b>        | <b>0.32</b>                          | -0.23 | 2.00 | <b>0.17</b> | -0.39 | 1.19 | <b>0.61</b> | -0.15 | 1.67 | <b>0.97</b>         | -0.17 | 1.42 |
|                      |                                      | -0.01 | 0.03 |             | -0.01 | 0.01 |             | -0.01 | 0.04 |                     | -0.02 | 0.05 |
| <b>LU92FX</b>        | <b>0.38</b>                          | 1.43  | 0.46 | <b>0.21</b> | 1.50  | 0.59 | <b>0.62</b> | 0.02  | 0.68 | <b>1.01</b>         | 0.19  | 0.29 |
|                      |                                      | 0.05  | 0.01 |             | 0.03  | 0.01 |             | 0.00  | 0.02 |                     | 0.02  | 0.01 |
| <b>PD8M9Q</b>        | <b>0.32</b>                          | -0.27 | 1.33 | <b>0.17</b> | -0.60 | 0.91 | <b>0.54</b> | -0.83 | 1.35 | <b>0.89</b>         | -0.78 | 2.61 |
|                      |                                      | -0.01 | 0.02 |             | -0.01 | 0.01 |             | -0.08 | 0.03 |                     | -0.09 | 0.09 |
| <b>Z3VZNG</b>        | <b>0.29</b>                          | -1.05 | 0.46 | <b>0.15</b> | -1.34 | 0.59 | <b>0.54</b> | -0.78 | 0.26 | <b>0.87</b>         | -0.95 | 0.66 |
|                      |                                      | -0.04 | 0.01 |             | -0.03 | 0.01 |             | -0.08 | 0.01 |                     | -0.11 | 0.02 |
| <b>KG6H4X</b>        | <b>0.32</b>                          | -0.27 | 0.48 | <b>0.18</b> | 0.09  | 0.36 | <b>0.62</b> | -0.06 | 1.04 | <b>0.93</b>         | -0.49 | 0.49 |
|                      |                                      | -0.01 | 0.01 |             | 0.00  | 0.00 |             | -0.01 | 0.02 |                     | -0.06 | 0.02 |
| <b>KJBZ3T</b>        | <b>0.32</b>                          | -0.05 | 0.24 | <b>0.19</b> | 0.20  | 0.41 | <b>0.64</b> | 0.20  | 1.49 | <b>0.98</b>         | -0.02 | 1.02 |
|                      |                                      | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.02  | 0.03 |                     | 0.00  | 0.04 |
| <b>3HG3JC</b>        | <b>0.33</b>                          | 0.23  | 0.46 | <b>0.18</b> | -0.08 | 0.00 | <b>0.63</b> | 0.12  | 0.26 | <b>1.02</b>         | 0.25  | 0.17 |
|                      |                                      | 0.01  | 0.01 |             | 0.00  | 0.00 |             | 0.01  | 0.01 |                     | 0.03  | 0.01 |
| <b>E8KYJY</b>        | <b>0.33</b>                          | 0.14  | 0.80 | <b>0.17</b> | -0.39 | 0.59 | <b>0.66</b> | 0.42  | 1.55 | <b>0.99</b>         | 0.02  | 0.76 |
|                      |                                      | 0.01  | 0.01 |             | -0.01 | 0.01 |             | 0.04  | 0.04 |                     | 0.00  | 0.03 |
| <b>2ZLAYD</b>        | <b>0.29</b>                          | -0.87 | 3.59 | <b>0.17</b> | -0.55 | 3.56 | <b>0.46</b> | -1.65 | 1.42 | <b>0.65</b>         | -2.84 | 1.91 |
|                      |                                      | -0.03 | 0.05 |             | -0.01 | 0.03 |             | -0.16 | 0.03 |                     | -0.34 | 0.07 |
| <b>XD4VUG</b>        | <b>0.33</b>                          | 0.04  | 0.59 | <b>0.19</b> | 0.31  | 0.26 | <b>0.69</b> | 0.71  | 0.45 | <b>1.12</b>         | 1.08  | 0.55 |
|                      |                                      | 0.00  | 0.01 |             | 0.01  | 0.00 |             | 0.07  | 0.01 |                     | 0.13  | 0.02 |
| <b>9GTK67</b>        | <b>0.39</b>                          | 1.80  | 0.09 | <b>0.20</b> | 0.85  | 0.06 | <b>0.76</b> | 1.34  | 0.17 | <b>1.23</b>         | 2.06  | 1.53 |
|                      |                                      | 0.07  | 0.00 |             | 0.02  | 0.00 |             | 0.13  | 0.00 |                     | 0.25  | 0.05 |
| <b>MFPVJN</b>        | <b>0.31</b>                          | -0.47 | 0.15 | <b>0.17</b> | -0.79 | 0.19 | <b>0.61</b> | -0.13 | 0.28 | <b>0.97</b>         | -0.14 | 0.07 |
|                      |                                      | -0.02 | 0.00 |             | -0.02 | 0.00 |             | -0.01 | 0.01 |                     | -0.02 | 0.00 |
| <b>T8DRYH</b>        | <b>0.35</b>                          | 0.69  |      | <b>0.19</b> | 0.39  |      | <b>0.62</b> | -0.01 |      | <b>1.00</b>         | 0.11  | 0.07 |
|                      |                                      | 0.03  | 0.00 |             | 0.01  | 0.00 |             | 0.00  | 0.00 |                     | 0.01  | 0.00 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |             |       |      |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|-------------|-------|------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |             |       |      |
| <b>2RDHVB</b>            | <b>0.33</b>        | 0.15    | 1.37    | <b>0.19</b>        | 0.47    | 2.54    | <b>0.66</b>        | 0.34    | 1.43    | <b>1.00</b> | 0.09  | 1.24 |
| <b>YNEK8D</b>            | <b>0.29</b>        | -0.87   | 0.08    | <b>0.16</b>        | -1.16   | 0.33    | <b>0.58</b>        | -0.44   | 0.27    | <b>0.91</b> | -0.64 | 0.31 |
| <b>RF99BG</b>            | <b>0.30</b>        | -0.03   | 0.00    | <b>0.16</b>        | -0.02   | 0.00    | <b>0.60</b>        | -0.04   | 0.01    | <b>0.88</b> | -0.08 | 0.01 |
| <b>BX698W</b>            | <b>0.35</b>        | -0.68   | 1.38    | <b>0.18</b>        | -1.02   | 0.00    | <b>0.62</b>        | -0.25   | 0.51    | <b>1.02</b> | -0.87 | 0.92 |
| <b>M938NJ</b>            | <b>0.32</b>        | -0.02   | 0.02    | <b>0.15</b>        | -0.02   | 0.00    | <b>0.56</b>        | -0.02   | 0.01    | <b>0.87</b> | -0.10 | 0.03 |
| <b>Z4BZ87</b>            | <b>0.31</b>        | 0.82    | 0.15    | <b>0.17</b>        | -0.24   | 0.20    | <b>0.56</b>        | 0.01    | 0.21    | <b>0.93</b> | 0.26  | 0.38 |
| <b>6TTCZZ</b>            | <b>0.37</b>        | 0.03    | 0.00    | <b>0.19</b>        | -0.01   | 0.00    | <b>0.73</b>        | 0.00    | 0.00    | <b>1.21</b> | 0.03  | 0.01 |
| <b>GKM94Q</b>            | <b>0.31</b>        | -0.18   | 0.09    | <b>0.18</b>        | -1.29   | 0.68    | <b>0.60</b>        | -0.61   | 1.04    | <b>0.87</b> | -0.96 | 0.47 |
| <b>ACVHGX</b>            | <b>0.35</b>        | -0.01   | 0.00    | <b>0.19</b>        | -0.03   | 0.01    | <b>0.68</b>        | -0.06   | 0.02    | <b>0.97</b> | -0.11 | 0.02 |
| <b>6UNU32</b>            | <b>0.33</b>        | -0.47   | 0.58    | <b>0.20</b>        | -0.71   | 0.12    | <b>0.69</b>        | -0.59   | 3.23    | <b>1.03</b> | -0.47 | 0.11 |
| <b>XJT9V6</b>            | <b>0.36</b>        | -0.02   | 0.01    | <b>0.20</b>        | -0.02   | 0.00    | <b>0.67</b>        | -0.06   | 0.07    | <b>1.11</b> | -0.06 | 0.00 |
| <b>UJKXPB</b>            | <b>0.29</b>        | 1.22    | 1.15    | <b>0.16</b>        | 0.61    | 0.65    | <b>0.29</b>        | 1.06    | 0.64    | <b>0.90</b> | 1.86  | 0.76 |
| <b>D84HQR</b>            | <b>0.37</b>        | 0.04    | 0.01    | <b>0.19</b>        | 0.01    | 0.01    | <b>0.70</b>        | 0.11    | 0.01    | <b>1.13</b> | 0.22  | 0.03 |
| <b>9KRXTW</b>            | <b>0.32</b>        | -0.50   | 0.46    | <b>0.18</b>        | -0.24   | 0.59    | <b>0.44</b>        | -0.18   | 0.26    | <b>1.11</b> | -1.01 | 0.17 |
|                          |                    | -0.02   | 0.01    |                    | -0.01   | 0.01    |                    | -0.02   | 0.01    |             | -0.12 | 0.01 |
|                          |                    | 0.77    | 0.20    |                    | 0.43    | 0.52    |                    | 0.61    | 0.26    |             | -0.18 | 0.30 |
|                          |                    | 0.03    | 0.00    |                    | 0.01    | 0.01    |                    | 0.06    | 0.01    |             | -0.02 | 0.01 |
|                          |                    | 0.23    | 0.77    |                    | 0.69    | 0.28    |                    | 0.71    | 1.53    |             | 0.36  | 1.08 |
|                          |                    | 0.01    | 0.01    |                    | 0.01    | 0.00    |                    | 0.07    | 0.03    |             | 0.04  | 0.04 |
|                          |                    | 1.05    | 1.07    |                    | 0.69    | 0.82    |                    | 0.44    | 0.44    |             | 1.04  | 1.09 |
|                          |                    | 0.04    | 0.01    |                    | 0.01    | 0.01    |                    | 0.04    | 0.01    |             | 0.12  | 0.04 |
|                          |                    | -0.86   | 0.24    |                    | -1.18   | 0.21    |                    | -3.37   | 0.22    |             | -0.76 | 0.48 |
|                          |                    | -0.03   | 0.00    |                    | -0.03   | 0.00    |                    | -0.34   | 0.01    |             | -0.09 | 0.02 |
|                          |                    | 1.26    | 0.09    |                    | 0.49    | 0.51    |                    | 0.75    | 0.69    |             | 1.16  | 0.72 |
|                          |                    | 0.05    | 0.00    |                    | 0.01    | 0.01    |                    | 0.08    | 0.02    |             | 0.14  | 0.03 |
|                          |                    | -0.04   | 1.21    |                    | 0.08    | 2.58    |                    | -1.78   | 1.35    |             | 1.03  | 2.59 |
|                          |                    | 0.00    | 0.02    |                    | 0.00    | 0.03    |                    | -0.18   | 0.03    |             | 0.12  | 0.09 |
| <b>Grand Median</b>      |                    | 0.32    |         |                    | 0.18    |         |                    | 0.62    |         |             | 0.99  |      |
| <b>Median Abs Dev</b>    |                    | 0.03    |         |                    | 0.01    |         |                    | 0.05    |         |             | 0.06  |      |
| <b>Avg Within Lab SD</b> |                    | 0.01    |         |                    | 0.01    |         |                    | 0.02    |         |             | 0.03  |      |
| <b>Labs Included</b>     |                    | 34      |         |                    | 34      |         |                    | 34      |         |             | 34    |      |
| <b>Labs Reporting</b>    |                    | 34      |         |                    | 34      |         |                    | 34      |         |             | 34    |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| S (SubTestCode 216) | in the Wet Digestion Property Groups |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|---------------------|--------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|                     | SRBSRB1605                           |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |                     |       |      |
| <b>P2ZHHY</b>       | <b>0.12</b>                          | 1.05  | 0.16 | <b>0.40</b> | 0.94  | 0.23 | <b>1.39</b> | 1.17  | 0.11 | <b>0.26</b>         | 1.17  | 0.15 |
|                     |                                      | 0.02  | 0.00 |             | 0.04  | 0.00 |             | 0.19  | 0.01 |                     | 0.04  | 0.00 |
| <b>2V9A2L</b>       | <b>0.10</b>                          | 0.09  | 0.12 | <b>0.35</b> | 0.00  | 0.17 | <b>1.25</b> | 0.32  | 0.13 | <b>0.22</b>         | -0.05 | 0.11 |
|                     |                                      | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.05  | 0.01 |                     | 0.00  | 0.00 |
| <b>9G9ZXE</b>       | <b>0.10</b>                          | -0.12 | 0.28 | <b>0.33</b> | -0.50 | 0.60 | <b>1.21</b> | 0.10  | 0.45 | <b>0.23</b>         | 0.22  | 0.33 |
|                     |                                      | 0.00  | 0.00 |             | -0.02 | 0.01 |             | 0.02  | 0.03 |                     | 0.01  | 0.01 |
| <b>7LQLUF</b>       | <b>0.11</b>                          | 0.16  | 0.40 | <b>0.40</b> | 1.05  | 0.78 | <b>1.26</b> | 0.40  | 0.05 | <b>0.21</b>         | -0.42 | 0.53 |
|                     |                                      | 0.00  | 0.00 |             | 0.05  | 0.01 |             | 0.07  | 0.00 |                     | -0.01 | 0.01 |
| <b>UJH8JT</b>       | <b>0.09</b>                          | -0.78 | 1.08 | <b>0.30</b> | -1.18 | 1.12 | <b>1.06</b> | -0.81 | 0.67 | <b>0.19</b>         | -0.94 | 0.77 |
|                     |                                      | -0.01 | 0.01 |             | -0.06 | 0.01 |             | -0.13 | 0.04 |                     | -0.03 | 0.01 |
| <b>ETFYA8</b>       | <b>0.12</b>                          | 1.00  | 0.00 | <b>0.37</b> | 0.26  | 0.44 | <b>1.22</b> | 0.16  | 0.21 | <b>0.24</b>         | 0.68  | 0.00 |
|                     |                                      | 0.02  | 0.00 |             | 0.01  | 0.01 |             | 0.03  | 0.01 |                     | 0.02  | 0.00 |
| <b>WPJ78M</b>       | <b>0.07</b>                          | -1.75 | 0.34 | <b>0.23</b> | -2.53 | 0.26 | <b>0.47</b> | -4.47 | 0.02 | <b>0.16</b>         | -1.83 | 0.47 |
|                     |                                      | -0.03 | 0.00 |             | -0.12 | 0.00 |             | -0.73 | 0.00 |                     | -0.06 | 0.01 |
| <b>NM37AU</b>       | <b>0.10</b>                          | 0.00  | 2.05 | <b>0.32</b> | -0.66 | 1.60 | <b>1.09</b> | -0.64 | 2.06 | <b>0.25</b>         | 0.90  | 3.12 |
|                     |                                      | 0.00  | 0.02 |             | -0.03 | 0.02 |             | -0.10 | 0.12 |                     | 0.03  | 0.05 |
| <b>LU92FX</b>       | <b>0.09</b>                          | -0.60 | 0.77 | <b>0.32</b> | -0.73 | 0.77 | <b>1.15</b> | -0.31 | 0.74 | <b>0.22</b>         | -0.07 | 0.38 |
|                     |                                      | -0.01 | 0.01 |             | -0.03 | 0.01 |             | -0.05 | 0.04 |                     | 0.00  | 0.01 |
| <b>PD8M9Q</b>       | <b>0.09</b>                          | -0.70 | 0.89 | <b>0.32</b> | -0.64 | 1.58 | <b>1.13</b> | -0.43 | 0.72 | <b>0.21</b>         | -0.33 | 0.81 |
|                     |                                      | -0.01 | 0.01 |             | -0.03 | 0.02 |             | -0.07 | 0.04 |                     | -0.01 | 0.01 |
| <b>Z3VZNG</b>       | <b>0.10</b>                          | -0.20 | 0.00 | <b>0.35</b> | -0.09 | 0.00 | <b>1.20</b> | 0.00  | 0.10 | <b>0.22</b>         | -0.07 | 0.38 |
|                     |                                      | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.00  | 0.01 |                     | 0.00  | 0.01 |
| <b>KG6H4X</b>       | <b>0.10</b>                          | -0.10 | 0.68 | <b>0.36</b> | 0.15  | 1.75 | <b>1.19</b> | -0.06 | 1.93 | <b>0.22</b>         | -0.01 | 1.29 |
|                     |                                      | 0.00  | 0.01 |             | 0.01  | 0.02 |             | -0.01 | 0.11 |                     | 0.00  | 0.02 |
| <b>KJBZ3T</b>       | <b>0.11</b>                          | 0.10  | 0.82 | <b>0.37</b> | 0.37  | 0.33 | <b>1.33</b> | 0.82  | 0.78 | <b>0.24</b>         | 0.52  | 0.57 |
|                     |                                      | 0.00  | 0.01 |             | 0.02  | 0.00 |             | 0.13  | 0.04 |                     | 0.02  | 0.01 |
| <b>3HG3JC</b>       | <b>0.11</b>                          | 0.20  | 0.77 | <b>0.36</b> | 0.05  | 0.44 | <b>1.23</b> | 0.21  | 0.82 | <b>0.23</b>         | 0.26  | 0.38 |
|                     |                                      | 0.00  | 0.01 |             | 0.00  | 0.01 |             | 0.03  | 0.05 |                     | 0.01  | 0.01 |
| <b>E8KYJY</b>       | <b>0.11</b>                          | 0.40  | 0.00 | <b>0.37</b> | 0.33  | 0.77 | <b>1.34</b> | 0.90  | 0.45 | <b>0.23</b>         | 0.47  | 0.38 |
|                     |                                      | 0.01  | 0.00 |             | 0.02  | 0.01 |             | 0.15  | 0.03 |                     | 0.01  | 0.01 |
| <b>2ZLAYD</b>       | <b>0.09</b>                          | -0.98 | 0.97 | <b>0.32</b> | -0.66 | 0.89 | <b>1.07</b> | -0.80 | 1.03 | <b>0.20</b>         | -0.71 | 0.38 |
|                     |                                      | -0.02 | 0.01 |             | -0.03 | 0.01 |             | -0.13 | 0.06 |                     | -0.02 | 0.01 |
| <b>XD4VUG</b>       | <b>0.11</b>                          | 0.40  | 0.13 | <b>0.37</b> | 0.39  | 0.57 | <b>1.33</b> | 0.79  | 0.38 | <b>0.24</b>         | 0.60  | 0.27 |
|                     |                                      | 0.01  | 0.00 |             | 0.02  | 0.01 |             | 0.13  | 0.02 |                     | 0.02  | 0.00 |
| <b>9GTK67</b>       | <b>0.13</b>                          | 1.88  | 0.94 | <b>0.44</b> | 1.72  | 0.24 | <b>1.44</b> | 1.50  | 0.39 | <b>0.30</b>         | 2.74  | 0.22 |
|                     |                                      | 0.03  | 0.01 |             | 0.08  | 0.00 |             | 0.24  | 0.02 |                     | 0.09  | 0.00 |
| <b>MFPVJN</b>       | <b>0.10</b>                          | -0.17 | 0.22 | <b>0.32</b> | -0.64 | 0.83 | <b>1.18</b> | -0.12 | 1.27 | <b>0.23</b>         | 0.27  | 0.06 |
|                     |                                      | 0.00  | 0.00 |             | -0.03 | 0.01 |             | -0.02 | 0.07 |                     | 0.01  | 0.00 |
| <b>T8DRYH</b>       | <b>0.10</b>                          | -0.20 | 0.00 | <b>0.34</b> | -0.31 | 0.00 | <b>1.15</b> | -0.29 | 0.00 | <b>0.21</b>         | -0.28 | 0.06 |
|                     |                                      | 0.00  | 0.00 |             | -0.01 | 0.00 |             | -0.05 | 0.00 |                     | -0.01 | 0.00 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score | Sample Mean | Z Score | k Score |             | Difference | W/L STD |
|--------------------------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|------------|---------|
|                          |             |         |         |             |         |         |             |         |         |             |            |         |
| <b>2RDHVB</b>            | <b>0.10</b> | -0.36   | 0.95    | <b>0.35</b> | 0.00    | 3.11    | <b>1.22</b> | 0.13    | 0.74    | <b>0.21</b> | -0.17      | 0.75    |
| <b>YNEK8D</b>            | <b>0.09</b> | -0.01   | 0.01    | <b>0.30</b> | 0.00    | 0.04    | <b>1.08</b> | 0.02    | 0.04    | <b>0.20</b> | -0.01      | 0.01    |
| <b>RF99BG</b>            | <b>0.09</b> | -0.94   | 0.06    | <b>0.31</b> | -1.12   | 0.36    | <b>1.10</b> | -0.74   | 0.48    | <b>0.18</b> | -0.67      | 0.24    |
| <b>BX698W</b>            | <b>0.11</b> | -0.02   | 0.00    | <b>0.37</b> | -0.05   | 0.00    | <b>1.27</b> | -0.12   | 0.03    | <b>0.22</b> | -0.02      | 0.00    |
| <b>M938NJ</b>            | <b>0.10</b> | -1.10   | 1.29    | <b>0.32</b> | -0.87   | 0.44    | <b>1.11</b> | -0.60   | 0.00    | <b>0.19</b> | -1.35      | 0.38    |
| <b>Z4BZ87</b>            | <b>0.10</b> | -0.02   | 0.01    | <b>0.36</b> | -0.04   | 0.01    | <b>1.20</b> | -0.10   | 0.00    | <b>0.23</b> | -0.04      | 0.01    |
| <b>6TTCZZ</b>            | <b>0.17</b> | 0.67    | 0.13    | <b>0.38</b> | 0.42    | 0.36    | <b>1.39</b> | 0.46    | 0.23    | <b>0.29</b> | 0.00       | 0.15    |
| <b>ACVHGX</b>            | <b>0.11</b> | 0.01    | 0.00    | <b>0.39</b> | 0.02    | 0.00    | <b>1.05</b> | 0.07    | 0.01    | <b>0.25</b> | 0.00       | 0.00    |
| <b>6UNU32</b>            | <b>0.10</b> | -0.20   | 0.28    | <b>0.37</b> | -0.68   | 0.92    | <b>1.39</b> | -0.55   | 0.98    | <b>0.24</b> | -0.94      | 0.21    |
| <b>XJT9V6</b>            | <b>0.10</b> | 0.00    | 0.00    | <b>0.34</b> | -0.03   | 0.01    | <b>1.15</b> | -0.09   | 0.06    | <b>0.20</b> | -0.03      | 0.00    |
| <b>9KRXTW</b>            | <b>0.14</b> | 0.04    | 0.40    | <b>0.24</b> | 0.11    | 0.74    | <b>1.12</b> | 0.02    | 2.63    | <b>0.23</b> | 0.22       | 0.30    |
|                          |             | 0.00    | 0.00    |             | 0.01    | 0.01    |             | 0.00    | 0.15    |             | 0.01       | 0.00    |
|                          |             | 3.75    | 0.34    |             | 0.58    | 1.76    |             | 1.19    | 0.47    |             | 2.35       | 1.48    |
|                          |             | 0.06    | 0.00    |             | 0.03    | 0.02    |             | 0.19    | 0.03    |             | 0.07       | 0.02    |
|                          |             | 0.52    | 0.23    |             | 0.82    | 0.81    |             | -0.91   | 1.32    |             | 1.14       | 0.14    |
|                          |             | 0.01    | 0.00    |             | 0.04    | 0.01    |             | -0.15   | 0.07    |             | 0.04       | 0.00    |
|                          |             | 0.01    | 0.55    |             | 0.31    | 0.41    |             | 1.22    | 1.45    |             | 0.81       | 0.18    |
|                          |             | 0.00    | 0.00    |             | 0.01    | 0.01    |             | 0.20    | 0.08    |             | 0.03       | 0.00    |
|                          |             | -0.41   | 0.37    |             | -0.30   | 0.43    |             | -0.29   | 0.33    |             | -0.49      | 0.45    |
|                          |             | -0.01   | 0.00    |             | -0.01   | 0.01    |             | -0.05   | 0.02    |             | -0.02      | 0.01    |
|                          |             | 2.01    | 4.10    |             | -2.49   | 1.17    |             | -0.49   | 1.96    |             | 0.26       | 3.63    |
|                          |             | 0.03    | 0.03    |             | -0.12   | 0.02    |             | -0.08   | 0.11    |             | 0.01       | 0.06    |
| <b>Grand Median</b>      |             | 0.10    |         | 0.35        |         |         | 1.20        |         |         | 0.22        |            |         |
| <b>Median Abs Dev</b>    |             | 0.01    |         | 0.03        |         |         | 0.08        |         |         | 0.02        |            |         |
| <b>Avg Within Lab SD</b> |             | 0.01    |         | 0.01        |         |         | 0.06        |         |         | 0.02        |            |         |
| <b>Labs Included</b>     |             | 31      |         | 31          |         |         | 31          |         |         | 31          |            |         |
| <b>Labs Reporting</b>    |             | 31      |         | 31          |         |         | 31          |         |         | 31          |            |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Na (SubTestCode 217) | in the Wet Digestion Property Groups |        |       |              |        |       |              |        |       | Data units: Percent |        |       |
|----------------------|--------------------------------------|--------|-------|--------------|--------|-------|--------------|--------|-------|---------------------|--------|-------|
|                      | SRBSRB1605                           |        |       | SRBSRB1606   |        |       | SRBSRB1607   |        |       |                     |        |       |
| <b>P2ZHHY</b>        | <b>2.485</b>                         | 1.145  | 0.024 | <b>0.010</b> | 0.026  | 0.485 | <b>0.696</b> | 1.179  | 0.109 | <b>0.163</b>        | 1.171  | 0.336 |
|                      |                                      | 0.292  | 0.003 |              | 0.000  | 0.002 |              | 0.114  | 0.003 |                     | 0.027  | 0.004 |
| <b>2V9A2L</b>        | <b>2.241</b>                         | 0.188  | 0.021 | <b>0.006</b> | -0.297 | 0.368 | <b>0.650</b> | 0.702  | 0.023 | <b>0.177</b>        | 1.787  | 0.055 |
|                      |                                      | 0.048  | 0.003 |              | -0.004 | 0.001 |              | 0.068  | 0.001 |                     | 0.041  | 0.001 |
| <b>9G9ZXE</b>        | <b>2.300</b>                         | 0.418  | 0.185 | <b>0.010</b> | -0.003 | 1.638 | <b>0.612</b> | 0.317  | 0.311 | <b>0.132</b>        | -0.219 | 0.203 |
|                      |                                      | 0.107  | 0.026 |              | 0.000  | 0.006 |              | 0.031  | 0.008 |                     | -0.005 | 0.002 |
| <b>7LQLUF</b>        | <b>2.069</b>                         | -0.489 | 1.191 | <b>0.014</b> | 0.325  | 1.526 | <b>0.562</b> | -0.202 | 0.868 | <b>0.145</b>        | 0.379  | 0.356 |
|                      |                                      | -0.125 | 0.170 |              | 0.004  | 0.005 |              | -0.020 | 0.022 |                     | 0.009  | 0.004 |
| <b>UJH8JT</b>        | <b>1.814</b>                         | -1.488 | 2.806 | <b>0.001</b> | -0.703 | 0.007 | <b>0.514</b> | -0.692 | 0.556 | <b>0.121</b>        | -0.690 | 0.351 |
|                      |                                      | -0.379 | 0.401 |              | -0.009 | 0.000 |              | -0.067 | 0.014 |                     | -0.016 | 0.004 |
| <b>WPJ78M</b>        | <b>1.752</b>                         | -1.731 | 0.213 | <b>0.007</b> | -0.230 | 0.000 | <b>0.326</b> | -2.631 | 0.014 | <b>0.132</b>        | -0.191 | 0.031 |
|                      |                                      | -0.441 | 0.031 |              | -0.003 | 0.000 |              | -0.255 | 0.000 |                     | -0.004 | 0.000 |
| <b>NM37AU</b>        | <b>2.210</b>                         | 0.065  | 2.814 | <b>0.030</b> | 1.665  | 0.000 | <b>0.530</b> | -0.531 | 1.748 | <b>0.143</b>        | 0.292  | 1.833 |
|                      |                                      | 0.017  | 0.403 |              | 0.020  | 0.000 |              | -0.052 | 0.044 |                     | 0.007  | 0.021 |
| <b>LU92FX</b>        | <b>1.943</b>                         | -0.980 | 0.225 | <b>0.117</b> | 8.774  | 1.717 | <b>0.637</b> | 0.568  | 0.232 | <b>0.190</b>        | 2.334  | 0.000 |
|                      |                                      | -0.250 | 0.032 |              | 0.107  | 0.006 |              | 0.055  | 0.006 |                     | 0.053  | 0.000 |
| <b>PD8M9Q</b>        | <b>2.030</b>                         | -0.640 | 0.185 | <b>0.019</b> | 0.725  | 0.581 | <b>0.509</b> | -0.751 | 1.044 | <b>0.148</b>        | 0.481  | 0.434 |
|                      |                                      | -0.163 | 0.026 |              | 0.009  | 0.002 |              | -0.073 | 0.026 |                     | 0.011  | 0.005 |
| <b>Z3VZNG</b>        | <b>1.724</b>                         | -1.842 | 0.393 | <b>0.011</b> | 0.107  | 1.362 | <b>0.504</b> | -0.803 | 0.190 | <b>0.112</b>        | -1.079 | 0.264 |
|                      |                                      | -0.470 | 0.056 |              | 0.001  | 0.005 |              | -0.078 | 0.005 |                     | -0.025 | 0.003 |
| <b>KG6H4X</b>        | <b>2.117</b>                         | -0.301 | 0.315 | <b>0.005</b> | -0.358 | 0.454 | <b>0.574</b> | -0.075 | 1.751 | <b>0.116</b>        | -0.890 | 1.051 |
|                      |                                      | -0.077 | 0.045 |              | -0.004 | 0.002 |              | -0.007 | 0.044 |                     | -0.020 | 0.012 |
| <b>KJBZ3T</b>        | <b>2.003</b>                         | -0.745 | 0.146 | <b>0.018</b> | 0.653  | 0.687 | <b>0.579</b> | -0.026 | 1.037 | <b>0.146</b>        | 0.423  | 0.416 |
|                      |                                      | -0.190 | 0.021 |              | 0.008  | 0.002 |              | -0.003 | 0.026 |                     | 0.010  | 0.005 |
| <b>3HG3JC</b>        | <b>2.323</b>                         | 0.510  | 0.176 | <b>0.017</b> | 0.571  | 3.433 | <b>0.627</b> | 0.465  | 0.232 | <b>0.137</b>        | 0.000  | 0.508 |
|                      |                                      | 0.130  | 0.025 |              | 0.007  | 0.012 |              | 0.045  | 0.006 |                     | 0.000  | 0.006 |
| <b>E8KYJY</b>        | <b>2.297</b>                         | 0.405  | 0.885 | <b>0.010</b> | 0.025  | 0.000 | <b>0.610</b> | 0.293  | 0.802 | <b>0.127</b>        | -0.438 | 0.508 |
|                      |                                      | 0.103  | 0.127 |              | 0.000  | 0.000 |              | 0.028  | 0.020 |                     | -0.010 | 0.006 |
| <b>2ZLAYD</b>        | <b>2.267</b>                         | 0.288  | 2.825 | <b>0.017</b> | 0.599  | 0.595 | <b>0.630</b> | 0.499  | 1.838 | <b>0.150</b>        | 0.583  | 2.330 |
|                      |                                      | 0.073  | 0.404 |              | 0.007  | 0.002 |              | 0.048  | 0.046 |                     | 0.013  | 0.026 |
| <b>XD4VUG</b>        | <b>2.088</b>                         | -0.414 | 0.059 | <b>0.004</b> | -0.435 | 0.059 | <b>0.553</b> | -0.298 | 0.116 | <b>0.119</b>        | -0.773 | 0.088 |
|                      |                                      | -0.106 | 0.008 |              | -0.005 | 0.000 |              | -0.029 | 0.003 |                     | -0.018 | 0.001 |
| <b>9GTK67</b>        | <b>2.386</b>                         | 0.756  | 0.104 | <b>0.006</b> | -0.304 | 0.000 | <b>0.640</b> | 0.602  | 0.250 | <b>0.155</b>        | 0.788  | 0.051 |
|                      |                                      | 0.193  | 0.015 |              | -0.004 | 0.000 |              | 0.058  | 0.006 |                     | 0.018  | 0.001 |
| <b>MFPVJN</b>        | <b>2.035</b>                         | -0.621 | 0.111 | <b>0.015</b> | 0.442  | 1.579 | <b>0.559</b> | -0.236 | 0.729 | <b>0.123</b>        | -0.611 | 0.198 |
|                      |                                      | -0.158 | 0.016 |              | 0.005  | 0.005 |              | -0.023 | 0.018 |                     | -0.014 | 0.002 |
| <b>2RDHVB</b>        | <b>2.130</b>                         | -0.247 | 0.706 | <b>0.012</b> | 0.189  | 0.787 | <b>0.603</b> | 0.221  | 1.379 | <b>0.124</b>        | -0.554 | 0.699 |
|                      |                                      | -0.063 | 0.101 |              | 0.002  | 0.003 |              | 0.021  | 0.034 |                     | -0.013 | 0.008 |
| <b>YNEK8D</b>        | <b>2.131</b>                         | -0.243 | 0.028 | <b>0.008</b> | -0.123 | 0.069 | <b>0.556</b> | -0.261 | 0.617 | <b>0.128</b>        | -0.379 | 0.428 |
|                      |                                      | -0.062 | 0.004 |              | -0.001 | 0.000 |              | -0.025 | 0.015 |                     | -0.009 | 0.005 |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |              |        |       |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------|--------|-------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |              |        |       |
| <b>BX698W</b>            | <b>2.377</b>       | 0.721   | 0.093   | <b>0.004</b>       | -0.441  | 0.038   | <b>0.582</b>       | 0.000   | 0.308   | <b>0.146</b> | 0.415  | 0.116 |
|                          |                    | 0.184   | 0.013   |                    | -0.005  | 0.000   |                    | 0.000   | 0.008   |              | 0.009  | 0.001 |
| <b>M938NJ</b>            | <b>2.193</b>       | 0.000   | 0.672   | <b>0.005</b>       | -0.350  | 0.352   | <b>0.518</b>       | -0.658  | 1.372   | <b>0.124</b> | -0.554 | 0.176 |
|                          |                    | 0.000   | 0.096   |                    | -0.004  | 0.001   |                    | -0.064  | 0.034   |              | -0.013 | 0.002 |
| <b>Z4BZ87</b>            | <b>1.993</b>       | -0.784  | 0.291   | <b>0.006</b>       | -0.304  | 0.850   | <b>0.500</b>       | -0.837  | 2.588   | <b>0.134</b> | -0.117 | 0.176 |
|                          |                    | -0.200  | 0.042   |                    | -0.004  | 0.003   |                    | -0.081  | 0.065   |              | -0.003 | 0.002 |
| <b>6TTCZZ</b>            | <b>2.620</b>       | 1.673   | 0.824   | <b>0.010</b>       | 0.003   | 0.304   | <b>0.702</b>       | 1.244   | 0.584   | <b>0.162</b> | 1.123  | 0.283 |
|                          |                    | 0.427   | 0.118   |                    | 0.000   | 0.001   |                    | 0.121   | 0.015   |              | 0.026  | 0.003 |
| <b>ACVHGX</b>            | <b>2.378</b>       | 0.724   | 0.468   | <b>0.002</b>       | -0.604  | 0.454   | <b>0.671</b>       | 0.922   | 0.879   | <b>0.148</b> | 0.510  | 0.283 |
|                          |                    | 0.185   | 0.067   |                    | -0.007  | 0.002   |                    | 0.089   | 0.022   |              | 0.012  | 0.003 |
| <b>6UNU32</b>            | <b>2.213</b>       | 0.077   | 0.589   | <b>0.010</b>       | 0.016   | 0.221   | <b>0.634</b>       | 0.540   | 1.584   | <b>0.159</b> | 0.973  | 4.067 |
|                          |                    | 0.020   | 0.084   |                    | 0.000   | 0.001   |                    | 0.052   | 0.040   |              | 0.022  | 0.046 |
| <b>XJT9V6</b>            | <b>2.263</b>       | 0.274   | 0.423   | <b>0.008</b>       | -0.153  | 0.587   | <b>0.595</b>       | 0.143   | 0.412   | <b>0.135</b> | -0.055 | 0.309 |
|                          |                    | 0.070   | 0.061   |                    | -0.002  | 0.002   |                    | 0.014   | 0.010   |              | -0.001 | 0.004 |
| <b>UJKXPB</b>            | <b>2.007</b>       | -0.732  | 0.107   |                    |         |         | <b>0.264</b>       | -3.269  | 0.083   | <b>0.110</b> | -1.167 | 0.088 |
|                          |                    | -0.187  | 0.015   |                    |         |         |                    | -0.317  | 0.002   |              | -0.027 | 0.001 |
| <b>D84HQR</b>            | <b>2.463</b>       | 1.059   | 0.214   | <b>0.004</b>       | -0.462  | 0.034   | <b>0.639</b>       | 0.595   | 0.116   | <b>0.150</b> | 0.583  | 0.384 |
|                          |                    | 0.270   | 0.031   |                    | -0.006  | 0.000   |                    | 0.058   | 0.003   |              | 0.013  | 0.004 |
| <b>Grand Median</b>      |                    | 2.19    |         |                    | 0.010   |         |                    | 0.58    |         |              | 0.14   |       |
| <b>Median Abs Dev</b>    |                    | 0.16    |         |                    | 0.004   |         |                    | 0.05    |         |              | 0.01   |       |
| <b>Avg Within Lab SD</b> |                    | 0.14    |         |                    | 0.003   |         |                    | 0.02    |         |              | 0.01   |       |
| <b>Labs Included</b>     |                    | 29      |         |                    | 28      |         |                    | 29      |         |              | 29     |       |
| <b>Labs Reporting</b>    |                    | 29      |         |                    | 28      |         |                    | 29      |         |              | 29     |       |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| AI (SubTestCode 218) <span style="float: right;">Data units: mg/kg</span> |            |       |     |            |       |      |            |        |       |       |       |       |
|---|------------|-------|-----|------------|-------|------|------------|--------|-------|-------|-------|-------|
|   | SRBSRB1605 |       |     | SRBSRB1606 |       |      | SRBSRB1607 |        |       |       |       |       |
| 2V9A2L  | 46.6       | -0.1  | 1.5 | 51.5       | 0.3   | 1.1  | 1,351.0    | 1.3    | 0.2   | 93.4  | 0.6   | 0.1   |
|   |            | -2.6  | 4.6 |            | 6.8   | 14.8 |            | 484.8  | 9.0   |       | 29.6  | 5.9   |
| 9G9ZXE  | 41.0       | -0.4  | 0.5 | 26.3       | -0.9  | 0.0  | 73.7       | -2.0   | 0.0   | 24.9  | -0.8  | 0.0   |
|   |            | -8.2  | 1.5 |            | -18.4 | 0.5  |            | -792.5 | 1.2   |       | -39.0 | 0.9   |
| UJH8JT  | 43.9       | -0.2  | 1.1 | 64.6       | 0.9   | 4.1  | 862.1      | 0.0    | 0.4   | 55.1  | -0.2  | 0.1   |
|   |            | -5.3  | 3.2 |            | 19.9  | 54.0 |            | -4.1   | 21.6  |       | -8.8  | 10.6  |
| ETFYA8  | 75.4       | 1.2   | 0.2 | 71.6       | 1.3   | 0.1  | 1,153.1    | 0.7    | 0.0   | 107.2 | 0.9   | 0.0   |
|   |            | 26.2  | 0.7 |            | 26.9  | 0.8  |            | 286.9  | 2.5   |       | 43.3  | 1.6   |
| NM37AU  | 58.2       | 0.4   | 1.2 | 53.8       | 0.4   | 1.2  | 978.5      | 0.3    | 1.2   | 91.2  | 0.6   | 0.1   |
|   |            | 9.0   | 3.8 |            | 9.1   | 15.8 |            | 112.3  | 66.6  |       | 27.3  | 7.5   |
| LU92FX  | 23.7       | -1.2  | 0.9 | 18.0       | -1.3  | 0.1  | 171.0      | -1.8   | 0.1   | 31.3  | -0.7  | 0.0   |
|   |            | -25.5 | 2.9 |            | -26.7 | 1.7  |            | -695.2 | 3.6   |       | -32.5 | 2.1   |
| Z3VZNG  | 41.0       | -0.4  | 0.3 | 44.7       | 0.0   |      | 870.3      | 0.0    | 0.4   |       |       | 0.0   |
|   |            | -8.2  | 1.0 |            | 0.0   | 4.7  |            | 4.1    | 22.0  |       |       |       |
| KJBZ3T  | 34.0       | -0.7  | 0.3 | 33.7       | -0.5  | 0.2  | 689.7      | -0.5   | 1.1   | 47.7  | -0.3  | 0.0   |
|   |            | -15.2 | 1.0 |            | -11.0 | 3.2  |            | -176.5 | 61.2  |       | -16.2 | 3.8   |
| 3HG3JC  | 62.8       | 0.6   | 0.7 | 65.2       | 1.0   | 0.3  | 836.4      | -0.1   | 0.5   | 68.1  | 0.1   | 0.0   |
|   |            | 13.5  | 2.1 |            | 20.6  | 3.4  |            | -29.8  | 31.1  |       | 4.2   | 3.2   |
| E8KYJY  | 37.7       | -0.5  | 1.7 | 25.7       | -0.9  | 0.9  | 506.0      | -0.9   | 1.3   | 46.3  | -0.4  | 0.0   |
|   |            | -11.5 | 5.1 |            | -19.0 | 11.5 |            | -360.2 | 76.4  |       | -17.5 | 3.2   |
| XD4VUG  | 47.0       | -0.1  | 1.0 | 41.5       | -0.2  | 0.1  | 726.4      | -0.4   | 0.1   | 27.4  | -0.7  | 0.0   |
|   |            | -2.2  | 3.1 |            | -3.2  | 0.8  |            | -139.8 | 3.9   |       | -36.5 | 1.8   |
| 9GTK67  | 119.3      | 3.2   | 0.6 | 79.7       | 1.7   | 0.6  | 1,213.9    | 0.9    | 1.5   | 106.8 | 0.9   | 0.1   |
|   |            | 70.0  | 1.8 |            | 35.1  | 7.8  |            | 347.7  | 87.3  |       | 42.9  | 5.8   |
| 2RDHVB  | 77.3       | 1.3   | 1.2 | 79.3       | 1.6   | 0.3  | 1,359.3    | 1.3    | 0.7   | 91.1  | 0.5   | 0.1   |
|   |            | 28.1  | 3.8 |            | 34.6  | 3.7  |            | 493.1  | 40.8  |       | 27.2  | 9.7   |
| YNEK8D  | 56.8       | 0.3   | 0.4 | 44.6       | 0.0   | 0.1  | 1,054.5    | 0.5    | 1.8   | 72.3  | 0.2   | 0.0   |
|   |            | 7.6   | 1.3 |            | 0.0   | 1.9  |            | 188.3  | 101.8 |       | 8.4   | 1.9   |
| BX698W  | 51.4       | 0.1   | 0.2 | 43.4       | -0.1  | 0.0  | 753.8      | -0.3   | 1.0   | 55.8  | -0.2  | 0.0   |
|   |            | 2.2   | 0.6 |            | -1.3  | 0.4  |            | -112.4 | 57.4  |       | -8.0  | 3.7   |
| M938NJ  | 37.3       | -0.5  | 0.6 | 32.4       | -0.6  | 0.2  | 722.3      | -0.4   | 0.9   | 47.8  | -0.3  | 0.0   |
|   |            | -11.9 | 1.7 |            | -12.3 | 2.1  |            | -143.9 | 52.9  |       | -16.0 | 2.4   |
| Z4BZ87  | 46.7       | -0.1  | 0.4 | 41.3       | -0.2  | 0.3  | 819.3      | -0.1   | 1.7   | 59.7  | -0.1  | 0.0   |
|   |            | -2.5  | 1.2 |            | -3.3  | 4.0  |            | -46.9  | 96.5  |       | -4.2  | 3.2   |
| 6TTCZZ  | 58.7       | 0.4   | 0.9 | 57.0       | 0.6   | 0.1  | 1,306.7    | 1.1    | 1.3   | 78.6  | 0.3   | 0.0   |
|   |            | 9.5   | 2.7 |            | 12.4  | 1.8  |            | 440.5  | 73.7  |       | 14.7  | 1.1   |
| ACVHGX  | 35.0       | -0.6  | 2.5 | 31.7       | -0.6  | 0.4  | 882.4      | 0.0    | 1.2   | 38.6  | -0.5  | 0.2   |
|   |            | -14.2 | 7.6 |            | -13.0 | 5.2  |            | 16.2   | 71.1  |       | -25.3 | 19.7  |
| 6UNU32  | 60.6       | 0.5   | 0.6 | 60.2       | 0.7   | 0.1  | 1,182.0    | 0.8    | 1.7   | 314.6 | 5.1   | 4.5   |
|   |            | 11.4  | 1.8 |            | 15.5  | 0.8  |            | 315.8  | 96.6  |       | 250.8 | 378.3 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |             |      |      |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|-------------|------|------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |             |      |      |
| <b>UJKXPB</b>            | <b>75.7</b>        | 1.2     | 1.2     |                    |         |         | <b>358.7</b>       | -1.3    | 0.3     |             |      | 4.5  |
|                          |                    | 26.5    | 3.5     |                    |         |         |                    | -507.5  | 17.0    |             |      |      |
| <b>D84HQR</b>            | <b>67.4</b>        | 0.8     | 0.3     | <b>56.2</b>        | 0.5     | 0.1     | <b>909.0</b>       | 0.1     | 0.5     | <b>79.9</b> | 0.3  | 0.1  |
|                          |                    | 18.2    | 1.0     |                    | 11.5    | 1.3     |                    | 42.8    | 27.1    |             | 16.0 | 4.4  |
| <b>Grand Median</b>      |                    | 49.2    |         |                    | 44.7    |         |                    | 866.2   |         |             |      | 63.9 |
| <b>Median Abs Dev</b>    |                    | 11.5    |         |                    | 12.4    |         |                    | 182.4   |         |             |      | 21.4 |
| <b>Avg Within Lab SD</b> |                    | 3.0     |         |                    | 13.3    |         |                    | 57.2    |         |             |      | 84.8 |
| <b>Labs Included</b>     |                    | 22      |         |                    | 21      |         |                    | 22      |         |             |      | 20   |
| <b>Labs Reporting</b>    |                    | 22      |         |                    | 21      |         |                    | 22      |         |             |      | 20   |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| <b>B (SubTestCode 219)</b> |              |        |      |              |       |      |              |              |      |              |              | <b>Data units: mg/kg</b> |      |  |
|----------------------------|--------------|--------|------|--------------|-------|------|--------------|--------------|------|--------------|--------------|--------------------------|------|--|
| SRBSRB1605                 |              |        |      | SRBSRB1606   |       |      |              | SRBSRB1607   |      |              |              |                          |      |  |
| <b>P2ZHYY</b>              |              |        |      |              |       |      |              | <b>44.40</b> | 0.00 | 0.28         | <b>26.10</b> | -0.39                    | 0.30 |  |
|                            |              |        |      |              |       |      |              |              | 0.00 | 0.60         |              | -2.20                    | 0.32 |  |
| <b>2V9A2L</b>              | <b>27.08</b> | 0.11   | 0.00 | <b>3.93</b>  | -0.24 | 1.13 | <b>41.50</b> | -0.36        | 0.41 | <b>32.34</b> | 0.71         | 0.00                     |      |  |
|                            |              | 0.58   | 0.00 |              | -0.57 | 0.62 |              | -2.90        | 0.87 |              | 4.04         | 0.00                     |      |  |
| <b>9G9ZXE</b>              | <b>26.70</b> | 0.04   | 0.61 | <b>4.47</b>  | -0.02 | 0.64 | <b>44.00</b> | -0.05        | 0.59 | <b>28.70</b> | 0.07         | 2.30                     |      |  |
|                            |              | 0.20   | 0.78 |              | -0.04 | 0.35 |              | -0.40        | 1.25 |              | 0.40         | 2.50                     |      |  |
| <b>7LQLUF</b>              | <b>24.27</b> | -0.42  | 0.50 | <b>0.79</b>  | -1.57 | 0.38 | <b>40.36</b> | -0.51        | 0.62 | <b>23.53</b> | -0.84        | 1.43                     |      |  |
|                            |              | -2.23  | 0.64 |              | -3.71 | 0.21 |              | -4.04        | 1.33 |              | -4.77        | 1.55                     |      |  |
| <b>UJH8JT</b>              | <b>25.71</b> | -0.15  | 1.15 | <b>4.61</b>  | 0.05  | 0.59 | <b>44.83</b> | 0.05         | 0.30 | <b>29.29</b> | 0.17         | 1.44                     |      |  |
|                            |              | -0.79  | 1.47 |              | 0.11  | 0.33 |              | 0.43         | 0.64 |              | 0.99         | 1.57                     |      |  |
| <b>ETFYA8</b>              | <b>26.53</b> | 0.01   | 0.43 | <b>5.33</b>  | 0.35  | 0.28 | <b>43.33</b> | -0.13        | 0.50 | <b>28.30</b> | 0.00         | 0.24                     |      |  |
|                            |              | 0.03   | 0.55 |              | 0.83  | 0.15 |              | -1.06        | 1.06 |              | 0.00         | 0.26                     |      |  |
| <b>WPJ78M</b>              | <b>18.95</b> | -1.41  | 0.30 | <b>2.77</b>  | -0.73 | 0.06 | <b>16.79</b> | -3.46        | 0.34 | <b>19.91</b> | -1.48        | 0.27                     |      |  |
|                            |              | -7.55  | 0.38 |              | -1.73 | 0.03 |              | -27.61       | 0.73 |              | -8.39        | 0.29                     |      |  |
| <b>NM37AU</b>              | <b>31.63</b> | 0.96   | 1.91 | <b>7.80</b>  | 1.39  | 2.05 | <b>51.27</b> | 0.86         | 1.09 | <b>35.00</b> | 1.18         | 1.12                     |      |  |
|                            |              | 5.13   | 2.44 |              | 3.30  | 1.13 |              | 6.87         | 2.32 |              | 6.70         | 1.22                     |      |  |
| <b>LU92FX</b>              | <b>28.67</b> | 0.40   | 0.45 | <b>6.67</b>  | 0.91  | 1.05 | <b>45.00</b> | 0.08         | 0.47 | <b>30.00</b> | 0.30         | 0.92                     |      |  |
|                            |              | 2.17   | 0.58 |              | 2.16  | 0.58 |              | 0.60         | 1.00 |              | 1.70         | 1.00                     |      |  |
| <b>PD8M9Q</b>              | <b>26.40</b> | -0.02  | 1.72 | <b>4.47</b>  | -0.01 | 0.51 | <b>45.87</b> | 0.18         | 1.73 | <b>29.80</b> | 0.26         | 0.79                     |      |  |
|                            |              | -0.10  | 2.19 |              | -0.03 | 0.28 |              | 1.47         | 3.70 |              | 1.50         | 0.85                     |      |  |
| <b>Z3VZNG</b>              | <b>22.67</b> | -0.72  | 0.45 | <b>4.00</b>  | -0.21 |      | <b>44.00</b> | -0.05        |      | <b>25.33</b> | -0.52        | 0.53                     |      |  |
|                            |              | -3.83  | 0.58 |              | -0.50 | 0.00 |              | -0.40        | 0.00 |              | -2.97        | 0.58                     |      |  |
| <b>KG6H4X</b>              | <b>26.47</b> | -0.01  | 0.39 | <b>6.04</b>  | 0.65  | 0.82 | <b>48.43</b> | 0.51         | 1.75 | <b>28.30</b> | 0.00         | 0.64                     |      |  |
|                            |              | -0.03  | 0.50 |              | 1.54  | 0.45 |              | 4.04         | 3.72 |              | 0.00         | 0.70                     |      |  |
| <b>KJBZ3T</b>              | <b>13.33</b> | -2.46  | 0.45 | <b>0.80</b>  | -1.56 | 0.52 | <b>26.33</b> | -2.27        | 0.27 | <b>16.00</b> | -2.16        | 0.92                     |      |  |
|                            |              | -13.17 | 0.58 |              | -3.70 | 0.28 |              | -18.06       | 0.58 |              | -12.30       | 1.00                     |      |  |
| <b>3HG3JC</b>              | <b>27.35</b> | 0.16   | 0.63 | <b>5.97</b>  | 0.62  | 1.11 | <b>45.18</b> | 0.10         | 1.88 | <b>27.46</b> | -0.15        | 0.33                     |      |  |
|                            |              | 0.85   | 0.80 |              | 1.47  | 0.61 |              | 0.78         | 4.01 |              | -0.84        | 0.36                     |      |  |
| <b>E8KYJY</b>              | <b>28.00</b> | 0.28   | 0.78 | <b>4.00</b>  | -0.21 |      | <b>52.33</b> | 1.00         | 0.27 | <b>33.00</b> | 0.83         | 0.92                     |      |  |
|                            |              | 1.50   | 1.00 |              | -0.50 | 0.00 |              | 7.94         | 0.58 |              | 4.70         | 1.00                     |      |  |
| <b>2ZLAYD</b>              | <b>21.67</b> | -0.90  | 0.45 | <b>4.17</b>  | -0.14 | 0.11 | <b>39.00</b> | -0.68        | 0.47 | <b>25.00</b> | -0.58        | 0.92                     |      |  |
|                            |              | -4.83  | 0.58 |              | -0.34 | 0.06 |              | -5.40        | 1.00 |              | -3.30        | 1.00                     |      |  |
| <b>XD4VUG</b>              | <b>23.26</b> | -0.60  | 0.18 | <b>3.44</b>  | -0.45 | 0.04 | <b>44.08</b> | -0.04        | 0.23 | <b>25.88</b> | -0.43        | 0.24                     |      |  |
|                            |              | -3.24  | 0.24 |              | -1.06 | 0.02 |              | -0.31        | 0.49 |              | -2.42        | 0.26                     |      |  |
| <b>9GTK67</b>              | <b>36.84</b> | 1.93   | 1.06 | <b>10.08</b> | 2.35  | 0.90 | <b>58.17</b> | 1.73         | 0.41 | <b>34.38</b> | 1.07         | 0.46                     |      |  |
|                            |              | 10.34  | 1.35 |              | 5.58  | 0.49 |              | 13.77        | 0.88 |              | 6.08         | 0.50                     |      |  |
| <b>T8DRYH</b>              | <b>25.00</b> | -0.28  |      | <b>5.00</b>  | 0.21  |      | <b>43.00</b> | -0.18        |      | <b>28.00</b> | -0.05        | 0.46                     |      |  |
|                            |              | -1.50  | 0.00 |              | 0.50  | 0.00 |              | -1.40        | 0.00 |              | -0.30        | 0.00                     |      |  |
| <b>2RDHVB</b>              | <b>29.94</b> | 0.64   | 1.49 | <b>7.04</b>  | 1.07  | 3.40 | <b>48.09</b> | 0.46         | 2.75 | <b>33.11</b> | 0.85         | 1.78                     |      |  |
|                            |              | 3.44   | 1.90 |              | 2.54  | 1.86 |              | 3.70         | 5.86 |              | 4.81         | 1.93                     |      |  |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean  | Z Score    | k Score | Sample Mean | Z Score    | k Score | Sample Mean  | Z Score    | k Score |              | Sample Mean | Z Score | k Score |
|--------------------------|--------------|------------|---------|-------------|------------|---------|--------------|------------|---------|--------------|-------------|---------|---------|
|                          |              | Difference | W/L STD |             | Difference | W/L STD |              | Difference | W/L STD |              |             |         |         |
| <b>YNEK8D</b>            | <b>23.16</b> | -0.62      | 0.35    | <b>1.07</b> | -1.45      |         | <b>42.22</b> | -0.27      | 0.57    | <b>26.04</b> | -0.40       | 0.69    |         |
|                          |              | -3.34      | 0.45    |             | -3.44      | 0.00    |              | -2.18      | 1.21    |              | -2.26       | 0.75    |         |
| <b>RF99BG</b>            | <b>22.03</b> | -0.83      | 2.76    | <b>2.46</b> | -0.86      | 0.84    | <b>42.70</b> | -0.21      | 1.40    | <b>25.27</b> | -0.53       | 2.37    |         |
|                          |              | -4.47      | 3.52    |             | -2.05      | 0.46    |              | -1.70      | 2.99    |              | -3.03       | 2.58    |         |
| <b>BX698W</b>            | <b>28.66</b> | 0.40       | 0.09    | <b>4.28</b> | -0.09      | 0.16    | <b>45.98</b> | 0.20       | 0.05    | <b>30.01</b> | 0.30        | 0.20    |         |
|                          |              | 2.16       | 0.11    |             | -0.22      | 0.09    |              | 1.58       | 0.10    |              | 1.71        | 0.22    |         |
| <b>M938NJ</b>            | <b>28.97</b> | 0.46       | 1.11    | <b>5.20</b> | 0.29       | 0.36    | <b>46.57</b> | 0.27       | 0.33    | <b>29.30</b> | 0.18        | 0.51    |         |
|                          |              | 2.47       | 1.42    |             | 0.70       | 0.20    |              | 2.17       | 0.71    |              | 1.00        | 0.56    |         |
| <b>Z4BZ87</b>            | <b>23.93</b> | -0.48      | 0.30    | <b>4.53</b> | 0.01       | 0.59    | <b>39.07</b> | -0.67      | 2.31    | <b>26.53</b> | -0.31       | 0.45    |         |
|                          |              | -2.57      | 0.38    |             | 0.03       | 0.32    |              | -5.33      | 4.92    |              | -1.77       | 0.49    |         |
| <b>6TTCZZ</b>            | <b>31.53</b> | 0.94       | 2.12    | <b>6.03</b> | 0.65       | 0.90    | <b>51.47</b> | 0.89       | 0.67    | <b>36.60</b> | 1.46        | 0.70    |         |
|                          |              | 5.03       | 2.71    |             | 1.53       | 0.49    |              | 7.07       | 1.42    |              | 8.30        | 0.75    |         |
| <b>GKM94Q</b>            | <b>20.43</b> | -1.13      | 0.39    | <b>0.94</b> | -1.50      |         | <b>40.70</b> | -0.46      | 0.34    | <b>23.83</b> | -0.79       | 0.98    |         |
|                          |              | -6.07      | 0.50    |             | -3.56      | 0.00    |              | -3.70      | 0.72    |              | -4.47       | 1.07    |         |
| <b>ACVHGX</b>            | <b>17.05</b> | -1.76      | 0.91    | <b>7.55</b> | 1.29       | 2.15    | <b>36.55</b> | -0.98      | 0.69    | <b>19.48</b> | -1.55       | 1.48    |         |
|                          |              | -9.45      | 1.17    |             | 3.05       | 1.18    |              | -7.85      | 1.48    |              | -8.82       | 1.60    |         |
| <b>6UNU32</b>            | <b>30.02</b> | 0.66       | 0.66    | <b>6.25</b> | 0.74       | 0.41    | <b>60.79</b> | 2.06       | 1.19    | <b>35.45</b> | 1.26        | 0.61    |         |
|                          |              | 3.52       | 0.84    |             | 1.75       | 0.23    |              | 16.39      | 2.53    |              | 7.15        | 0.66    |         |
| <b>XJT9V6</b>            | <b>31.37</b> | 0.91       | 0.78    | <b>4.05</b> | -0.19      | 0.71    | <b>53.62</b> | 1.16       | 0.43    | <b>35.39</b> | 1.25        | 0.63    |         |
|                          |              | 4.87       | 0.99    |             | -0.46      | 0.39    |              | 9.22       | 0.92    |              | 7.09        | 0.68    |         |
| <b>D84HQR</b>            | <b>29.47</b> | 0.55       | 0.50    | <b>5.47</b> | 0.41       | 0.56    | <b>52.77</b> | 1.05       | 0.19    | <b>33.20</b> | 0.86        | 0.91    |         |
|                          |              | 2.97       | 0.64    |             | 0.96       | 0.31    |              | 8.37       | 0.40    |              | 4.90        | 0.98    |         |
| <b>Grand Median</b>      |              | 26.5       |         |             | 4.50       |         |              | 44.4       |         |              | 28.3        |         |         |
| <b>Median Abs Dev</b>    |              | 3.1        |         |             | 1.27       |         |              | 3.7        |         |              | 3.0         |         |         |
| <b>Avg Within Lab SD</b> |              | 1.3        |         |             | 0.55       |         |              | 2.1        |         |              | 1.1         |         |         |
| <b>Labs Included</b>     |              | 30         |         |             | 30         |         |              | 31         |         |              | 31          |         |         |
| <b>Labs Reporting</b>    |              | 30         |         |             | 30         |         |              | 31         |         |              | 31          |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

|                    |         |         |                    |         |         |                    |         |         |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Zn (SubTestCode 220) <span style="float: right;">Data units: mg/kg</span> |             |      |     |             |       |     |             |       |     |             |      |     |
|---|-------------|------|-----|-------------|-------|-----|-------------|-------|-----|-------------|------|-----|
|   | SRBSRB1605  |      |     | SRBSRB1606  |       |     | SRBSRB1607  |       |     |             |      |     |
| <b>P2ZHHY</b>   | <b>18.6</b> | 1.7  | 0.3 | <b>34.4</b> | 2.0   | 1.2 | <b>91.2</b> | 1.5   | 0.3 | <b>32.5</b> | 1.7  | 0.5 |
|   |             | 5.1  | 0.4 |             | 8.5   | 1.6 |             | 18.3  | 0.7 |             | 7.7  | 0.7 |
| <b>2V9A2L</b>   | <b>13.5</b> | 0.0  | 0.2 | <b>27.1</b> | 0.3   | 0.5 | <b>75.0</b> | 0.2   | 0.5 | <b>25.7</b> | 0.2  | 0.2 |
|   |             | 0.1  | 0.3 |             | 1.2   | 0.6 |             | 2.1   | 1.2 |             | 0.9  | 0.2 |
| <b>9G9ZXE</b>   | <b>13.2</b> | -0.1 | 0.2 | <b>26.3</b> | 0.1   | 0.4 | <b>73.5</b> | 0.0   | 0.5 | <b>24.9</b> | 0.0  | 0.7 |
|   |             | -0.3 | 0.2 |             | 0.4   | 0.5 |             | 0.6   | 1.5 |             | 0.0  | 1.0 |
| <b>7LQLUF</b>   | <b>15.4</b> | 0.6  | 0.5 | <b>32.8</b> | 1.6   | 1.4 | <b>82.5</b> | 0.8   | 1.0 | <b>26.4</b> | 0.3  | 0.1 |
|   |             | 1.9  | 0.7 |             | 6.8   | 1.8 |             | 9.7   | 2.7 |             | 1.5  | 0.1 |
| <b>UJH8JT</b>   | <b>10.4</b> | -1.0 | 0.7 | <b>21.8</b> | -1.0  | 1.2 | <b>65.0</b> | -0.6  | 0.4 | <b>19.4</b> | -1.2 | 0.9 |
|   |             | -3.1 | 0.9 |             | -4.1  | 1.5 |             | -7.8  | 1.1 |             | -5.5 | 1.2 |
| <b>ETFYA8</b>   | <b>15.3</b> | 0.6  | 0.4 | <b>27.3</b> | 0.3   | 0.4 | <b>73.0</b> | 0.0   | 0.4 | <b>23.7</b> | -0.3 | 0.4 |
|   |             | 1.8  | 0.6 |             | 1.4   | 0.6 |             | 0.1   | 1.0 |             | -1.2 | 0.6 |
| <b>WPJ78M</b>   | <b>8.6</b>  | -1.6 | 0.0 | <b>15.8</b> | -2.4  | 0.0 | <b>26.3</b> | -3.7  | 0.0 | <b>15.3</b> | -2.1 | 0.1 |
|   |             | -4.9 | 0.0 |             | -10.2 | 0.0 |             | -46.6 | 0.1 |             | -9.6 | 0.1 |
| <b>NM37AU</b>   | <b>17.5</b> | 1.4  | 1.3 | <b>27.7</b> | 0.4   | 0.6 | <b>72.9</b> | 0.0   | 1.1 | <b>30.1</b> | 1.2  | 0.7 |
|   |             | 4.0  | 1.7 |             | 1.7   | 0.8 |             | 0.0   | 2.9 |             | 5.3  | 1.0 |
| <b>LU92FX</b>   | <b>17.7</b> | 1.4  | 0.4 | <b>29.7</b> | 0.9   |     | <b>73.0</b> | 0.0   | 0.7 | <b>26.0</b> | 0.3  | 0.7 |
|   |             | 4.2  | 0.6 |             | 3.7   | 1.2 |             | 0.1   | 2.0 |             | 1.1  | 0.0 |
| <b>PD8M9Q</b>   | <b>16.2</b> | 0.9  | 1.7 | <b>25.9</b> | 0.0   | 1.8 | <b>73.0</b> | 0.0   | 0.3 | <b>24.5</b> | -0.1 | 2.7 |
|   |             | 2.7  | 2.2 |             | -0.1  | 2.3 |             | 0.1   | 0.8 |             | -0.4 | 3.6 |
| <b>Z3VZNG</b>   | <b>13.0</b> | -0.2 |     | <b>24.3</b> | -0.4  | 0.4 | <b>70.3</b> | -0.2  | 0.2 | <b>23.0</b> | -0.4 | 0.8 |
|   |             | -0.5 | 0.0 |             | -1.6  | 0.6 |             | -2.5  | 0.6 |             | -1.9 | 1.0 |
| <b>KG6H4X</b>   | <b>16.4</b> | 1.0  | 4.5 | <b>25.9</b> | 0.0   | 0.3 | <b>70.3</b> | -0.2  | 1.3 | <b>28.3</b> | 0.8  | 1.4 |
|   |             | 2.9  | 5.9 |             | 0.0   | 0.4 |             | -2.5  | 3.4 |             | 3.4  | 1.8 |
| <b>KJBZ3T</b>   | <b>15.7</b> | 0.7  | 0.9 | <b>31.3</b> | 1.3   | 1.2 | <b>82.3</b> | 0.8   | 1.2 | <b>29.7</b> | 1.1  | 0.9 |
|   |             | 2.2  | 1.2 |             | 5.4   | 1.5 |             | 9.5   | 3.2 |             | 4.8  | 1.2 |
| <b>3HG3JC</b>   | <b>12.6</b> | -0.3 | 0.3 | <b>23.5</b> | -0.6  | 0.4 | <b>62.0</b> | -0.9  | 0.3 | <b>21.7</b> | -0.7 | 0.1 |
|   |             | -0.9 | 0.4 |             | -2.4  | 0.5 |             | -10.9 | 0.7 |             | -3.1 | 0.1 |
| <b>E8KYJY</b>   | <b>13.7</b> | 0.1  | 0.4 | <b>27.7</b> | 0.4   | 0.4 | <b>79.7</b> | 0.5   | 1.3 | <b>27.3</b> | 0.5  | 0.4 |
|   |             | 0.2  | 0.6 |             | 1.7   | 0.6 |             | 6.8   | 3.5 |             | 2.5  | 0.6 |
| <b>2ZLAYD</b>   | <b>13.3</b> | -0.1 | 0.9 | <b>25.3</b> | -0.1  | 0.4 | <b>63.7</b> | -0.7  | 0.8 | <b>23.3</b> | -0.3 | 1.6 |
|   |             | -0.2 | 1.2 |             | -0.6  | 0.6 |             | -9.2  | 2.1 |             | -1.5 | 2.1 |
| <b>XD4VUG</b>   | <b>17.3</b> | 1.3  | 0.4 | <b>32.6</b> | 1.5   | 0.8 | <b>82.2</b> | 0.7   | 1.0 | <b>31.3</b> | 1.4  | 0.7 |
|   |             | 3.8  | 0.5 |             | 6.6   | 1.0 |             | 9.4   | 2.6 |             | 6.5  | 0.9 |
| <b>9GTK67</b>   | <b>14.3</b> | 0.3  | 0.8 | <b>25.3</b> | -0.2  | 1.0 | <b>79.8</b> | 0.6   | 0.2 | <b>23.2</b> | -0.4 | 0.3 |
|   |             | 0.8  | 1.0 |             | -0.7  | 1.3 |             | 6.9   | 0.7 |             | -1.7 | 0.3 |
| <b>T8DRYH</b>   | <b>13.0</b> | -0.2 |     | <b>23.0</b> | -0.7  |     | <b>66.0</b> | -0.5  |     | <b>24.0</b> | -0.2 | 0.3 |
|   |             | -0.5 | 0.0 |             | -2.9  | 0.0 |             | -6.9  | 0.0 |             | -0.9 | 0.0 |
| <b>2RDHVB</b>   | <b>13.5</b> | 0.0  | 1.3 | <b>30.0</b> | 1.0   | 1.7 | <b>81.2</b> | 0.7   | 1.9 | <b>26.3</b> | 0.3  | 1.7 |
|   |             | 0.0  | 1.6 |             | 4.1   | 2.2 |             | 8.4   | 5.1 |             | 1.4  | 2.2 |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |             |       |     |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|-------------|-------|-----|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |             |       |     |
| <b>YNEK8D</b>            | <b>12.3</b>        | -0.4    | 0.0     | <b>26.2</b>        | 0.1     | 0.7     | <b>68.0</b>        | -0.4    | 0.3     | <b>21.9</b> | -0.7  | 0.3 |
|                          |                    | -1.2    | 0.0     |                    | 0.3     | 1.0     |                    | -4.9    | 0.9     |             | -3.0  | 0.4 |
| <b>RF99BG</b>            | <b>12.3</b>        | -0.4    | 0.8     | <b>25.0</b>        | -0.2    | 1.5     | <b>68.6</b>        | -0.3    | 2.1     | <b>25.8</b> | 0.2   | 2.1 |
|                          |                    | -1.2    | 1.1     |                    | -0.9    | 1.9     |                    | -4.2    | 5.8     |             | 0.9   | 2.7 |
| <b>BX698W</b>            | <b>15.8</b>        | 0.8     | 0.4     | <b>28.3</b>        | 0.5     | 1.5     | <b>74.9</b>        | 0.2     | 0.1     | <b>27.4</b> | 0.6   | 0.9 |
|                          |                    | 2.3     | 0.5     |                    | 2.3     | 1.9     |                    | 2.0     | 0.4     |             | 2.6   | 1.1 |
| <b>M938NJ</b>            | <b>13.2</b>        | -0.1    | 0.4     | <b>26.1</b>        | 0.0     | 1.4     | <b>56.8</b>        | -1.3    | 0.7     | <b>23.2</b> | -0.4  | 0.4 |
|                          |                    | -0.3    | 0.5     |                    | 0.1     | 1.8     |                    | -16.1   | 1.8     |             | -1.7  | 0.5 |
| <b>Z4BZ87</b>            | <b>12.0</b>        | -0.5    | 0.1     | <b>23.8</b>        | -0.5    | 0.1     | <b>60.6</b>        | -1.0    | 2.5     | <b>24.7</b> | 0.0   | 0.5 |
|                          |                    | -1.5    | 0.1     |                    | -2.2    | 0.2     |                    | -12.2   | 6.7     |             | -0.2  | 0.6 |
| <b>6TTCZZ</b>            | <b>13.1</b>        | -0.1    | 0.2     | <b>25.1</b>        | -0.2    | 0.2     | <b>74.7</b>        | 0.1     | 0.4     | <b>24.8</b> | 0.0   | 0.9 |
|                          |                    | -0.4    | 0.2     |                    | -0.8    | 0.3     |                    | 1.8     | 1.1     |             | -0.1  | 1.2 |
| <b>GKM94Q</b>            | <b>13.1</b>        | -0.1    | 0.2     | <b>25.0</b>        | -0.2    | 0.2     | <b>72.1</b>        | -0.1    | 0.0     | <b>26.2</b> | 0.3   | 0.4 |
|                          |                    | -0.4    | 0.3     |                    | -1.0    | 0.2     |                    | -0.7    | 0.1     |             | 1.3   | 0.5 |
| <b>ACVHGX</b>            | <b>2.5</b>         | -3.7    | 0.3     | <b>12.1</b>        | -3.2    | 0.9     | <b>64.6</b>        | -0.7    | 0.3     | <b>14.1</b> | -2.4  | 0.4 |
|                          |                    | -11.0   | 0.4     |                    | -13.9   | 1.2     |                    | -8.2    | 0.8     |             | -10.8 | 0.5 |
| <b>6UNU32</b>            | <b>15.4</b>        | 0.7     | 0.9     | <b>31.1</b>        | 1.2     | 0.9     | <b>86.1</b>        | 1.1     | 2.8     | <b>33.2</b> | 1.8   | 2.0 |
|                          |                    | 1.9     | 1.1     |                    | 5.2     | 1.1     |                    | 13.2    | 7.5     |             | 8.3   | 2.7 |
| <b>XJT9V6</b>            | <b>12.1</b>        | -0.5    | 0.1     | <b>25.6</b>        | -0.1    | 1.6     | <b>66.1</b>        | -0.5    | 0.2     | <b>21.9</b> | -0.6  | 0.8 |
|                          |                    | -1.4    | 0.2     |                    | -0.3    | 2.1     |                    | -6.8    | 0.7     |             | -2.9  | 1.0 |
| <b>UJKXPB</b>            | <b>12.0</b>        | -0.5    |         | <b>23.7</b>        | -0.5    | 0.4     | <b>30.7</b>        | -3.4    | 0.2     | <b>22.3</b> | -0.6  | 0.4 |
|                          |                    | -1.5    | 0.0     |                    | -2.3    | 0.6     |                    | -42.2   | 0.6     |             | -2.5  | 0.6 |
| <b>D84HQR</b>            | <b>13.7</b>        | 0.1     | 0.1     | <b>25.7</b>        | -0.1    | 0.7     | <b>68.9</b>        | -0.3    | 0.2     | <b>25.6</b> | 0.2   | 0.6 |
|                          |                    | 0.2     | 0.1     |                    | -0.2    | 1.0     |                    | -4.0    | 0.5     |             | 0.7   | 0.8 |
| <b>9KRXTW</b>            | <b>16.4</b>        | 1.0     | 0.8     | <b>28.4</b>        | 0.6     | 2.1     | <b>77.5</b>        | 0.4     | 0.5     | <b>29.8</b> | 1.1   | 1.2 |
|                          |                    | 2.9     | 1.0     |                    | 2.5     | 2.8     |                    | 4.6     | 1.4     |             | 4.9   | 1.5 |
| <b>Grand Median</b>      |                    | 13.5    |         | 25.9               |         |         | 72.9               |         |         | 24.9        |       |     |
| <b>Median Abs Dev</b>    |                    | 1.5     |         | 1.7                |         |         | 6.8                |         |         | 1.9         |       |     |
| <b>Avg Within Lab SD</b> |                    | 1.3     |         | 1.3                |         |         | 2.7                |         |         | 1.3         |       |     |
| <b>Labs Included</b>     |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33          |       |     |
| <b>Labs Reporting</b>    |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33          |       |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mn (SubTestCode 221) | in the Wet Digestion Property Groups |       |     |             |       |     |              |       |     | Data units: mg/kg |      |     |
|----------------------|--------------------------------------|-------|-----|-------------|-------|-----|--------------|-------|-----|-------------------|------|-----|
|                      | SRBSRB1605                           |       |     | SRBSRB1606  |       |     | SRBSRB1607   |       |     |                   |      |     |
| <b>P2ZHHY</b>        | <b>45.4</b>                          | 1.6   | 0.2 | <b>67.3</b> | 1.2   | 0.2 | <b>106.5</b> | 0.6   | 0.3 | <b>65.4</b>       | 0.3  | 1.0 |
|                      |                                      | 7.1   | 0.4 |             | 7.8   | 0.3 |              | 7.8   | 1.0 |                   | 2.1  | 2.1 |
| <b>2V9A2L</b>        | <b>41.2</b>                          | 0.6   | 0.2 | <b>61.5</b> | 0.3   | 0.2 | <b>110.3</b> | 0.8   | 0.2 | <b>72.4</b>       | 1.4  | 0.5 |
|                      |                                      | 2.9   | 0.3 |             | 2.0   | 0.4 |              | 11.7  | 0.6 |                   | 9.1  | 1.0 |
| <b>9G9ZXE</b>        | <b>37.3</b>                          | -0.2  | 0.5 | <b>56.8</b> | -0.4  | 0.3 | <b>102.0</b> | 0.2   | 0.5 | <b>65.4</b>       | 0.3  | 0.7 |
|                      |                                      | -1.0  | 0.7 |             | -2.6  | 0.7 |              | 3.3   | 1.9 |                   | 2.1  | 1.3 |
| <b>7LQLUF</b>        | <b>39.0</b>                          | 0.2   | 0.2 | <b>63.0</b> | 0.6   | 0.2 | <b>108.8</b> | 0.7   | 0.2 | <b>73.1</b>       | 1.5  | 0.4 |
|                      |                                      | 0.7   | 0.3 |             | 3.5   | 0.5 |              | 10.1  | 0.6 |                   | 9.8  | 0.7 |
| <b>UJH8JT</b>        | <b>36.1</b>                          | -0.5  | 1.4 | <b>56.9</b> | -0.4  | 1.3 | <b>96.4</b>  | -0.2  | 0.3 | <b>62.2</b>       | -0.2 | 1.5 |
|                      |                                      | -2.3  | 2.0 |             | -2.5  | 2.7 |              | -2.3  | 1.0 |                   | -1.1 | 3.0 |
| <b>ETFYA8</b>        | <b>40.3</b>                          | 0.5   | 0.4 | <b>61.3</b> | 0.3   | 0.3 | <b>99.3</b>  | 0.0   | 0.9 | <b>71.7</b>       | 1.2  | 0.8 |
|                      |                                      | 2.0   | 0.6 |             | 1.9   | 0.6 |              | 0.7   | 3.2 |                   | 8.4  | 1.5 |
| <b>WPJ78M</b>        | <b>32.4</b>                          | -1.3  | 0.2 | <b>51.9</b> | -1.2  | 0.1 | <b>50.8</b>  | -3.4  | 0.0 | <b>57.1</b>       | -0.9 | 0.1 |
|                      |                                      | -5.9  | 0.3 |             | -7.5  | 0.1 |              | -47.9 | 0.1 |                   | -6.2 | 0.2 |
| <b>NM37AU</b>        | <b>37.6</b>                          | -0.2  | 2.2 | <b>53.5</b> | -0.9  | 1.0 | <b>96.9</b>  | -0.1  | 0.8 | <b>62.1</b>       | -0.2 | 0.4 |
|                      |                                      | -0.8  | 3.2 |             | -5.9  | 2.0 |              | -1.8  | 3.0 |                   | -1.2 | 0.8 |
| <b>LU92FX</b>        | <b>41.0</b>                          | 0.6   | 1.2 | <b>60.0</b> | 0.1   | 1.0 | <b>93.0</b>  | -0.4  | 0.3 | <b>62.3</b>       | -0.1 | 1.0 |
|                      |                                      | 2.7   | 1.7 |             | 0.6   | 2.0 |              | -5.7  | 1.0 |                   | -1.0 | 2.1 |
| <b>PD8M9Q</b>        | <b>34.6</b>                          | -0.9  | 0.9 | <b>56.6</b> | -0.4  | 0.8 | <b>92.4</b>  | -0.4  | 0.5 | <b>63.8</b>       | 0.1  | 1.2 |
|                      |                                      | -3.8  | 1.3 |             | -2.8  | 1.6 |              | -6.3  | 1.9 |                   | 0.5  | 2.4 |
| <b>Z3VZNG</b>        | <b>32.7</b>                          | -1.3  | 0.4 | <b>51.0</b> | -1.3  |     | <b>83.7</b>  | -1.1  | 0.2 | <b>56.0</b>       | -1.1 | 0.5 |
|                      |                                      | -5.7  | 0.6 |             | -8.4  | 0.0 |              | -15.0 | 0.6 |                   | -7.3 | 1.0 |
| <b>KG6H4X</b>        | <b>37.9</b>                          | -0.1  | 0.5 | <b>62.6</b> | 0.5   | 0.2 | <b>98.7</b>  | 0.0   | 1.5 | <b>56.5</b>       | -1.0 | 0.8 |
|                      |                                      | -0.5  | 0.7 |             | 3.2   | 0.4 |              | 0.0   | 5.7 |                   | -6.8 | 1.5 |
| <b>KJBZ3T</b>        | <b>38.3</b>                          | 0.0   | 0.4 | <b>63.3</b> | 0.6   | 0.8 | <b>106.7</b> | 0.6   | 2.2 | <b>65.0</b>       | 0.3  | 2.0 |
|                      |                                      | 0.0   | 0.6 |             | 3.9   | 1.5 |              | 8.0   | 8.1 |                   | 1.7  | 4.0 |
| <b>3HG3JC</b>        | <b>39.4</b>                          | 0.2   | 0.4 | <b>59.4</b> | 0.0   | 0.4 | <b>93.7</b>  | -0.4  | 0.1 | <b>63.3</b>       | 0.0  | 0.4 |
|                      |                                      | 1.0   | 0.5 |             | 0.0   | 0.8 |              | -5.0  | 0.5 |                   | 0.0  | 0.8 |
| <b>E8KYJY</b>        | <b>43.0</b>                          | 1.1   | 1.8 | <b>66.0</b> | 1.0   | 1.0 | <b>108.7</b> | 0.7   | 1.2 | <b>65.7</b>       | 0.4  | 1.3 |
|                      |                                      | 4.7   | 2.6 |             | 6.6   | 2.0 |              | 10.0  | 4.5 |                   | 2.4  | 2.5 |
| <b>2ZLAYD</b>        | <b>34.0</b>                          | -1.0  | 0.7 | <b>56.3</b> | -0.5  | 0.6 | <b>85.7</b>  | -0.9  | 0.3 | <b>57.3</b>       | -0.9 | 0.6 |
|                      |                                      | -4.3  | 1.0 |             | -3.1  | 1.2 |              | -13.0 | 1.2 |                   | -6.0 | 1.2 |
| <b>XD4VUG</b>        | <b>39.3</b>                          | 0.2   | 0.2 | <b>62.4</b> | 0.5   | 0.5 | <b>98.3</b>  | 0.0   | 0.6 | <b>62.4</b>       | -0.1 | 0.4 |
|                      |                                      | 1.0   | 0.3 |             | 2.9   | 1.0 |              | -0.3  | 2.1 |                   | -0.9 | 0.8 |
| <b>9GTK67</b>        | <b>43.3</b>                          | 1.1   | 0.6 | <b>65.2</b> | 0.9   | 1.5 | <b>108.4</b> | 0.7   | 0.5 | <b>59.1</b>       | -0.6 | 0.7 |
|                      |                                      | 5.0   | 0.9 |             | 5.8   | 3.0 |              | 9.7   | 1.8 |                   | -4.2 | 1.4 |
| <b>T8DRYH</b>        | <b>28.0</b>                          | -2.3  |     | <b>48.0</b> | -1.8  |     | <b>86.0</b>  | -0.9  |     | <b>54.0</b>       | -1.4 | 0.7 |
|                      |                                      | -10.3 | 0.0 |             | -11.4 | 0.0 |              | -12.7 | 0.0 |                   | -9.3 | 0.0 |
| <b>2RDHVB</b>        | <b>38.7</b>                          | 0.1   | 1.4 | <b>64.3</b> | 0.8   | 3.8 | <b>108.4</b> | 0.7   | 1.1 | <b>63.0</b>       | 0.0  | 0.5 |
|                      |                                      | 0.4   | 2.0 |             | 4.9   | 7.6 |              | 9.7   | 4.1 |                   | -0.3 | 1.0 |





## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean | Z Score    | k Score | Sample Mean | Z Score    | k Score | Sample Mean  | Z Score    | k Score |             |       |     |
|--------------------------|-------------|------------|---------|-------------|------------|---------|--------------|------------|---------|-------------|-------|-----|
|                          |             | Difference | W/L STD |             | Difference | W/L STD |              | Difference | W/L STD |             |       |     |
| <b>YNEK8D</b>            | <b>35.1</b> | -0.7       | 0.1     | <b>55.3</b> | -0.7       | 0.5     | <b>94.4</b>  | -0.3       | 0.2     | <b>58.8</b> | -0.7  | 0.5 |
|                          |             | -3.2       | 0.1     |             | -4.2       | 0.9     |              | -4.3       | 0.8     |             | -4.5  | 1.0 |
| <b>RF99BG</b>            | <b>32.5</b> | -1.3       | 2.8     | <b>52.9</b> | -1.0       | 2.1     | <b>88.1</b>  | -0.7       | 0.2     | <b>59.5</b> | -0.6  | 1.1 |
|                          |             | -5.8       | 4.1     |             | -6.6       | 4.1     |              | -10.5      | 0.9     |             | -3.9  | 2.2 |
| <b>BX698W</b>            | <b>44.1</b> | 1.3        | 0.1     | <b>62.7</b> | 0.5        | 0.3     | <b>100.8</b> | 0.2        | 0.5     | <b>66.1</b> | 0.4   | 0.9 |
|                          |             | 5.7        | 0.1     |             | 3.3        | 0.6     |              | 2.2        | 1.8     |             | 2.8   | 1.8 |
| <b>M938NJ</b>            | <b>33.3</b> | -1.1       | 0.9     | <b>47.0</b> | -2.0       | 0.8     | <b>78.5</b>  | -1.4       | 0.7     | <b>52.8</b> | -1.6  | 0.4 |
|                          |             | -5.0       | 1.3     |             | -12.4      | 1.6     |              | -20.2      | 2.7     |             | -10.5 | 0.7 |
| <b>Z4BZ87</b>            | <b>37.3</b> | -0.2       | 0.4     | <b>57.8</b> | -0.3       | 0.5     | <b>94.7</b>  | -0.3       | 3.6     | <b>66.5</b> | 0.5   | 0.8 |
|                          |             | -1.0       | 0.6     |             | -1.6       | 1.1     |              | -4.0       | 13.6    |             | 3.2   | 1.5 |
| <b>6TTCZZ</b>            | <b>38.5</b> | 0.0        | 1.6     | <b>58.4</b> | -0.2       | 1.2     | <b>107.0</b> | 0.6        | 0.3     | <b>68.5</b> | 0.8   | 0.5 |
|                          |             | 0.2        | 2.3     |             | -1.0       | 2.4     |              | 8.3        | 1.0     |             | 5.2   | 1.0 |
| <b>GKM94Q</b>            | <b>38.0</b> | -0.1       | 0.1     | <b>57.1</b> | -0.4       | 0.9     | <b>98.3</b>  | 0.0        | 0.0     | <b>62.7</b> | -0.1  | 0.3 |
|                          |             | -0.3       | 0.2     |             | -2.4       | 1.7     |              | -0.3       | 0.1     |             | -0.6  | 0.5 |
| <b>ACVHGX</b>            | <b>36.1</b> | -0.5       | 0.8     | <b>60.6</b> | 0.2        | 0.6     | <b>101.8</b> | 0.2        | 0.1     | <b>70.4</b> | 1.1   | 1.0 |
|                          |             | -2.2       | 1.2     |             | 1.2        | 1.2     |              | 3.2        | 0.4     |             | 7.0   | 2.0 |
| <b>6UNU32</b>            | <b>40.9</b> | 0.6        | 0.7     | <b>66.9</b> | 1.2        | 0.8     | <b>111.3</b> | 0.9        | 0.5     | <b>68.8</b> | 0.8   | 0.9 |
|                          |             | 2.5        | 1.0     |             | 7.5        | 1.6     |              | 12.6       | 1.9     |             | 5.5   | 1.7 |
| <b>XJT9V6</b>            | <b>38.8</b> | 0.1        | 0.8     | <b>59.4</b> | 0.0        | 0.5     | <b>99.4</b>  | 0.0        | 0.5     | <b>64.2</b> | 0.1   | 1.1 |
|                          |             | 0.4        | 1.2     |             | 0.0        | 0.9     |              | 0.7        | 1.8     |             | 0.9   | 2.1 |
| <b>UJKXPB</b>            | <b>36.0</b> | -0.5       |         | <b>53.3</b> | -1.0       | 0.3     | <b>43.7</b>  | -3.9       | 0.2     | <b>55.3</b> | -1.2  | 0.3 |
|                          |             | -2.3       | 0.0     |             | -6.1       | 0.6     |              | -55.0      | 0.6     |             | -8.0  | 0.6 |
| <b>D84HQR</b>            | <b>40.2</b> | 0.4        | 0.2     | <b>60.4</b> | 0.1        | 0.2     | <b>99.4</b>  | 0.0        | 0.4     | <b>68.1</b> | 0.7   | 0.8 |
|                          |             | 1.9        | 0.2     |             | 0.9        | 0.5     |              | 0.7        | 1.5     |             | 4.8   | 1.7 |
| <b>9KRXTW</b>            | <b>44.2</b> | 1.3        | 2.0     | <b>65.6</b> | 1.0        | 0.6     | <b>110.2</b> | 0.8        | 2.4     | <b>75.0</b> | 1.7   | 3.2 |
|                          |             | 5.8        | 2.9     |             | 6.1        | 1.2     |              | 11.5       | 8.9     |             | 11.6  | 6.4 |
| <b>Grand Median</b>      |             | 38.3       |         | 59.4        |            |         | 98.7         |            |         | 63.3        |       |     |
| <b>Median Abs Dev</b>    |             | 2.3        |         | 3.3         |            |         | 7.8          |            |         | 4.2         |       |     |
| <b>Avg Within Lab SD</b> |             | 1.5        |         | 2.0         |            |         | 3.7          |            |         | 2.0         |       |     |
| <b>Labs Included</b>     |             | 33         |         | 33          |            |         | 33           |            |         | 33          |       |     |
| <b>Labs Reporting</b>    |             | 33         |         | 33          |            |         | 33           |            |         | 33          |       |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Fe (SubTestCode 222) in the Wet Digestion Property Groups |              |       |      |              |       |       |                |        |       |              |       | Data units: mg/kg |
|---|--------------|-------|------|--------------|-------|-------|----------------|--------|-------|--------------|-------|-------------------|
|   | SRBSRB1605   |       |      | SRBSRB1606   |       |       | SRBSRB1607     |        |       |              |       |                   |
| <b>P2ZHHY</b>   | <b>24.4</b>  | -2.2  | 0.4  | <b>74.4</b>  | -1.7  | 0.1   | <b>1,159.5</b> | 0.3    | 0.9   | <b>42.2</b>  | -2.6  | 0.7               |
|   |              | -57.5 | 2.0  |              | -43.2 | 1.4   |                | 106.1  | 62.8  |              | -66.5 | 5.5               |
| <b>2V9A2L</b>   | <b>94.8</b>  | 0.5   | 0.5  | <b>135.9</b> | 0.7   | 0.0   | <b>1,416.7</b> | 1.1    | 0.5   | <b>135.1</b> | 1.0   | 0.7               |
|   |              | 12.9  | 2.3  |              | 18.3  | 0.6   |                | 363.3  | 35.1  |              | 26.4  | 5.4               |
| <b>9G9ZXE</b>   | <b>70.4</b>  | -0.4  | 0.4  | <b>117.6</b> | 0.0   | 0.1   | <b>971.3</b>   | -0.3   | 0.2   | <b>103.2</b> | -0.2  | 0.2               |
|   |              | -11.5 | 1.8  |              | 0.0   | 2.5   |                | -82.0  | 13.6  |              | -5.5  | 1.9               |
| <b>7LQLUF</b>   | <b>108.9</b> | 1.0   | 1.4  | <b>145.6</b> | 1.1   | 0.3   | <b>1,543.8</b> | 1.5    | 1.5   | <b>143.3</b> | 1.4   | 0.8               |
|   |              | 27.0  | 6.3  |              | 28.0  | 7.6   |                | 490.5  | 110.2 |              | 34.6  | 6.2               |
| <b>UJH8JT</b>   | <b>84.1</b>  | 0.1   | 1.6  | <b>190.5</b> | 2.8   | 5.6   | <b>1,366.3</b> | 1.0    | 0.9   | <b>120.2</b> | 0.5   | 0.6               |
|   |              | 2.2   | 7.2  |              | 72.9  | 132.9 |                | 313.0  | 60.9  |              | 11.5  | 4.2               |
| <b>ETFYA8</b>   | <b>104.7</b> | 0.9   | 1.5  | <b>143.0</b> | 1.0   | 0.4   | <b>1,090.7</b> | 0.1    | 0.7   | <b>123.7</b> | 0.6   | 1.1               |
|   |              | 22.8  | 6.7  |              | 25.5  | 8.6   |                | 37.3   | 47.0  |              | 15.0  | 8.1               |
| <b>WPJ78M</b>   | <b>66.3</b>  | -0.6  | 0.1  | <b>102.5</b> | -0.6  | 0.0   | <b>485.6</b>   | -1.7   | 0.0   | <b>111.5</b> | 0.1   | 0.1               |
|   |              | -15.6 | 0.4  |              | -15.1 | 0.7   |                | -567.7 | 0.6   |              | 2.8   | 0.5               |
| <b>NM37AU</b>   | <b>81.9</b>  | 0.0   | 2.6  | <b>111.4</b> | -0.2  | 0.0   | <b>1,121.8</b> | 0.2    | 0.9   | <b>126.7</b> | 0.7   | 1.7               |
|   |              | 0.0   | 11.8 |              | -6.1  | 0.8   |                | 68.5   | 64.0  |              | 18.0  | 13.0              |
| <b>LU92FX</b>   | <b>58.7</b>  | -0.9  | 0.7  | <b>110.7</b> | -0.3  | 0.3   | <b>340.3</b>   | -2.2   | 0.1   | <b>84.0</b>  | -1.0  | 0.3               |
|   |              | -23.2 | 3.2  |              | -6.9  | 6.0   |                | -713.0 | 6.0   |              | -24.7 | 2.0               |
| <b>PD8M9Q</b>   | <b>80.6</b>  | 0.0   | 1.9  | <b>113.7</b> | -0.2  | 0.4   | <b>1,053.3</b> | 0.0    | 0.5   | <b>108.7</b> | 0.0   | 1.0               |
|   |              | -1.3  | 8.5  |              | -3.9  | 10.1  |                | 0.0    | 32.1  |              | 0.0   | 7.4               |
| <b>Z3VZNG</b>   | <b>81.3</b>  | 0.0   | 0.3  | <b>110.7</b> | -0.3  | 0.0   | <b>1,013.3</b> | -0.1   | 0.4   | <b>97.7</b>  | -0.4  | 1.1               |
|   |              | -0.6  | 1.2  |              | -6.9  | 1.2   |                | -40.0  | 25.2  |              | -11.0 | 8.0               |
| <b>KG6H4X</b>   | <b>82.1</b>  | 0.0   | 1.0  | <b>124.3</b> | 0.3   | 0.3   | <b>1,105.0</b> | 0.2    | 1.8   | <b>110.0</b> | 0.1   | 1.1               |
|   |              | 0.2   | 4.4  |              | 6.8   | 6.1   |                | 51.7   | 126.2 |              | 1.3   | 8.2               |
| <b>KJBZ3T</b>   | <b>82.3</b>  | 0.0   | 1.3  | <b>138.7</b> | 0.8   | 0.2   | <b>1,296.7</b> | 0.7    | 1.9   | <b>127.0</b> | 0.7   | 1.4               |
|   |              | 0.4   | 5.9  |              | 21.1  | 5.0   |                | 243.3  | 132.0 |              | 18.3  | 10.5              |
| <b>3HG3JC</b>   | <b>102.3</b> | 0.8   | 0.3  | <b>142.9</b> | 1.0   | 0.1   | <b>996.0</b>   | -0.2   | 0.2   | <b>122.3</b> | 0.5   | 1.2               |
|   |              | 20.4  | 1.5  |              | 25.3  | 2.8   |                | -57.3  | 12.9  |              | 13.6  | 8.6               |
| <b>E8KYJY</b>   | <b>58.7</b>  | -0.9  | 0.8  | <b>111.3</b> | -0.2  | 0.2   | <b>722.3</b>   | -1.0   | 1.5   | <b>84.0</b>  | -1.0  | 0.7               |
|   |              | -23.2 | 3.5  |              | -6.2  | 4.5   |                | -331.0 | 106.0 |              | -24.7 | 5.6               |
| <b>2ZLAYD</b>   | <b>56.3</b>  | -1.0  | 1.0  | <b>106.0</b> | -0.4  | 0.2   | <b>606.7</b>   | -1.4   | 0.3   | <b>82.0</b>  | -1.1  | 1.3               |
|   |              | -25.6 | 4.7  |              | -11.6 | 5.3   |                | -446.7 | 20.8  |              | -26.7 | 9.5               |
| <b>XD4VUG</b>   | <b>81.8</b>  | 0.0   | 0.3  | <b>128.9</b> | 0.4   | 0.1   | <b>1,048.0</b> | 0.0    | 0.4   | <b>106.2</b> | -0.1  | 0.2               |
|   |              | -0.1  | 1.2  |              | 11.3  | 3.0   |                | -5.4   | 28.1  |              | -2.4  | 1.7               |
| <b>9GTK67</b>   | <b>116.7</b> | 1.4   | 1.1  | <b>148.0</b> | 1.2   | 0.3   | <b>1,147.1</b> | 0.3    | 0.4   | <b>118.0</b> | 0.4   | 0.8               |
|   |              | 34.8  | 4.9  |              | 30.5  | 8.2   |                | 93.8   | 27.5  |              | 9.3   | 6.2               |
| <b>T8DRYH</b>   | <b>56.0</b>  | -1.0  |      | <b>88.0</b>  | -1.1  |       | <b>1,058.0</b> | 0.0    |       | <b>107.0</b> | -0.1  | 0.8               |
|   |              | -25.9 | 0.0  |              | -29.6 | 0.0   |                | 4.7    | 0.0   |              | -1.7  | 0.0               |
| <b>2RDHVB</b>   | <b>91.0</b>  | 0.4   | 0.6  | <b>138.0</b> | 0.8   | 0.6   | <b>1,531.0</b> | 1.5    | 0.8   | <b>129.0</b> | 0.8   | 2.4               |
|   |              | 9.1   | 2.6  |              | 20.4  | 13.7  |                | 477.7  | 54.7  |              | 20.3  | 18.1              |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean  | Z Score    | k Score | Sample Mean  | Z Score    | k Score | Sample Mean    | Z Score    | k Score |              | Sample Mean | Z Score | k Score |
|--------------------------|--------------|------------|---------|--------------|------------|---------|----------------|------------|---------|--------------|-------------|---------|---------|
|                          |              | Difference | W/L STD |              | Difference | W/L STD |                | Difference | W/L STD |              |             |         |         |
| <b>YNEK8D</b>            | <b>56.4</b>  | -1.0       | 0.1     | <b>98.7</b>  | -0.7       | 0.1     | <b>1,187.7</b> | 0.4        | 1.7     | <b>86.9</b>  | -0.9        | 0.4     |         |
|                          |              | -25.5      | 0.6     |              | -18.9      | 2.9     |                | 134.4      | 122.2   |              | -21.8       | 2.9     |         |
| <b>RF99BG</b>            | <b>50.2</b>  | -1.2       | 0.6     | <b>59.9</b>  | -2.2       | 0.2     | <b>568.7</b>   | -1.5       | 0.3     | <b>60.1</b>  | -1.9        | 0.4     |         |
|                          |              | -31.7      | 2.8     |              | -57.7      | 5.1     |                | -484.7     | 18.9    |              | -48.6       | 2.7     |         |
| <b>BX698W</b>            | <b>88.2</b>  | 0.2        | 0.5     | <b>118.2</b> | 0.0        | 0.1     | <b>1,014.6</b> | -0.1       | 1.0     | <b>105.7</b> | -0.1        | 0.9     |         |
|                          |              | 6.3        | 2.5     |              | 0.7        | 2.1     |                | -38.7      | 73.4    |              | -2.9        | 7.1     |         |
| <b>M938NJ</b>            | <b>77.6</b>  | -0.2       | 0.8     | <b>103.3</b> | -0.6       | 0.0     | <b>883.7</b>   | -0.5       | 1.4     | <b>100.1</b> | -0.3        | 1.1     |         |
|                          |              | -4.3       | 3.8     |              | -14.2      | 0.6     |                | -169.7     | 100.7   |              | -8.6        | 8.0     |         |
| <b>Z4BZ87</b>            | <b>77.1</b>  | -0.2       | 0.3     | <b>113.3</b> | -0.2       | 0.2     | <b>968.7</b>   | -0.3       | 1.5     | <b>100.0</b> | -0.3        | 0.6     |         |
|                          |              | -4.8       | 1.5     |              | -4.2       | 4.9     |                | -84.7      | 106.2   |              | -8.6        | 4.5     |         |
| <b>6TTCZZ</b>            | <b>94.3</b>  | 0.5        | 1.2     | <b>140.7</b> | 0.9        | 0.1     | <b>1,566.7</b> | 1.6        | 1.5     | <b>147.0</b> | 1.5         | 1.1     |         |
|                          |              | 12.4       | 5.7     |              | 23.1       | 3.1     |                | 513.3      | 106.9   |              | 38.3        | 8.2     |         |
| <b>GKM94Q</b>            | <b>84.7</b>  | 0.1        | 0.3     | <b>123.3</b> | 0.2        | 0.1     | <b>1,025.0</b> | -0.1       | 0.3     | <b>117.7</b> | 0.4         | 0.2     |         |
|                          |              | 2.8        | 1.6     |              | 5.8        | 2.1     |                | -28.3      | 23.9    |              | 9.0         | 1.5     |         |
| <b>ACVHGX</b>            | <b>66.9</b>  | -0.6       | 0.5     | <b>115.6</b> | -0.1       | 0.2     | <b>1,071.4</b> | 0.1        | 0.0     | <b>99.1</b>  | -0.4        | 0.4     |         |
|                          |              | -15.0      | 2.2     |              | -1.9       | 3.7     |                | 18.1       | 1.5     |              | -9.6        | 3.3     |         |
| <b>6UNU32</b>            | <b>87.1</b>  | 0.2        | 0.1     | <b>143.3</b> | 1.0        | 0.2     | <b>1,279.8</b> | 0.7        | 2.5     | <b>133.3</b> | 1.0         | 1.0     |         |
|                          |              | 5.2        | 0.5     |              | 25.7       | 4.5     |                | 226.5      | 176.8   |              | 24.6        | 7.3     |         |
| <b>XJT9V6</b>            | <b>72.2</b>  | -0.4       | 0.3     | <b>119.0</b> | 0.1        | 0.4     | <b>1,175.3</b> | 0.4        | 0.5     | <b>94.0</b>  | -0.6        | 0.3     |         |
|                          |              | -9.7       | 1.4     |              | 1.4        | 10.6    |                | 122.0      | 32.3    |              | -14.7       | 2.3     |         |
| <b>UJKXPB</b>            | <b>161.0</b> | 3.1        | 0.7     | <b>99.7</b>  | -0.7       | 0.1     | <b>462.7</b>   | -1.8       | 0.2     | <b>85.3</b>  | -0.9        | 0.5     |         |
|                          |              | 79.1       | 3.0     |              | -17.9      | 1.5     |                | -590.7     | 11.0    |              | -23.3       | 3.8     |         |
| <b>D84HQR</b>            | <b>94.0</b>  | 0.5        | 0.2     | <b>130.0</b> | 0.5        | 0.1     | <b>996.3</b>   | -0.2       | 0.5     | <b>116.7</b> | 0.3         | 1.0     |         |
|                          |              | 12.1       | 1.0     |              | 12.4       | 2.6     |                | -57.0      | 32.7    |              | 8.0         | 7.6     |         |
| <b>9KRXTW</b>            | <b>132.6</b> | 2.0        | 2.3     | <b>117.1</b> | 0.0        | 0.3     | <b>744.2</b>   | -0.9       | 0.4     | <b>120.0</b> | 0.4         | 2.2     |         |
|                          |              | 50.7       | 10.4    |              | -0.5       | 7.9     |                | -309.1     | 29.7    |              | 11.3        | 16.8    |         |
| <b>Grand Median</b>      |              | 81.9       |         |              | 117.6      |         |                | 1,053.3    |         |              | 108.7       |         |         |
| <b>Median Abs Dev</b>    |              | 12.4       |         |              | 14.2       |         |                | 122.0      |         |              | 13.6        |         |         |
| <b>Avg Within Lab SD</b> |              | 4.6        |         |              | 23.8       |         |                | 71.2       |         |              | 7.5         |         |         |
| <b>Labs Included</b>     |              | 33         |         |              | 33         |         |                | 33         |         |              | 33          |         |         |
| <b>Labs Reporting</b>    |              | 33         |         |              | 33         |         |                | 33         |         |              | 33          |         |         |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Cu (SubTestCode 223) in the Wet Digestion Property Groups |             |       |      |             |       |      |              |       |      |             |       |      | Data units: mg/kg |
|---|-------------|-------|------|-------------|-------|------|--------------|-------|------|-------------|-------|------|-------------------|
|   | SRBSRB1605  |       |      | SRBSRB1606  |       |      | SRBSRB1607   |       |      |             |       |      |                   |
| <b>P2ZHHY</b>   | <b>5.96</b> | 0.53  | 0.08 | <b>4.44</b> | 0.33  | 0.17 | <b>10.73</b> | 0.38  | 0.14 | <b>4.84</b> | -0.25 | 0.13 |                   |
|   |             | 0.62  | 0.04 |             | 0.40  | 0.09 |              | 0.77  | 0.11 |             | -0.41 | 0.09 |                   |
| <b>2V9A2L</b>   | <b>5.42</b> | 0.07  | 1.15 | <b>4.33</b> | 0.24  | 0.96 | <b>11.70</b> | 0.86  | 0.00 | <b>5.86</b> | 0.38  | 0.72 |                   |
|   |             | 0.08  | 0.56 |             | 0.29  | 0.51 |              | 1.74  | 0.00 |             | 0.61  | 0.49 |                   |
| <b>9G9ZXE</b>   | <b>5.40</b> | 0.06  | 1.34 | <b>5.00</b> | 0.78  | 1.99 | <b>8.20</b>  | -0.87 | 1.17 | <b>5.60</b> | 0.22  | 0.97 |                   |
|   |             | 0.07  | 0.66 |             | 0.96  | 1.05 |              | -1.76 | 0.90 |             | 0.35  | 0.66 |                   |
| <b>7LQLUF</b>   | <b>5.58</b> | 0.21  | 0.13 | <b>0.42</b> | -2.95 | 0.03 | <b>11.20</b> | 0.61  | 0.08 | <b>8.14</b> | 1.80  | 0.36 |                   |
|   |             | 0.25  | 0.06 |             | -3.62 | 0.02 |              | 1.23  | 0.06 |             | 2.89  | 0.24 |                   |
| <b>UJH8JT</b>   | <b>4.03</b> | -1.11 | 0.34 | <b>2.59</b> | -1.18 | 0.84 | <b>8.55</b>  | -0.70 | 0.47 | <b>3.50</b> | -1.09 | 0.32 |                   |
|   |             | -1.30 | 0.16 |             | -1.45 | 0.44 |              | -1.42 | 0.36 |             | -1.75 | 0.22 |                   |
| <b>ETFYA8</b>   | <b>6.17</b> | 0.71  | 0.51 | <b>4.70</b> | 0.54  | 0.33 | <b>10.57</b> | 0.30  | 0.46 | <b>7.43</b> | 1.36  | 0.17 |                   |
|   |             | 0.83  | 0.25 |             | 0.66  | 0.17 |              | 0.60  | 0.35 |             | 2.19  | 0.12 |                   |
| <b>WPJ78M</b>   | <b>4.56</b> | -0.66 | 0.05 | <b>3.45</b> | -0.47 | 0.11 | <b>4.40</b>  | -2.76 | 0.02 | <b>5.54</b> | 0.18  | 0.03 |                   |
|   |             | -0.77 | 0.03 |             | -0.58 | 0.06 |              | -5.56 | 0.02 |             | 0.29  | 0.02 |                   |
| <b>NM37AU</b>   | <b>6.83</b> | 1.28  | 1.85 | <b>4.80</b> | 0.62  | 0.50 | <b>11.73</b> | 0.88  | 0.49 | <b>6.10</b> | 0.53  | 1.03 |                   |
|   |             | 1.50  | 0.91 |             | 0.76  | 0.26 |              | 1.77  | 0.38 |             | 0.85  | 0.70 |                   |
| <b>LU92FX</b>   | <b>7.67</b> | 1.99  | 1.18 | <b>6.33</b> | 1.87  |      | <b>11.33</b> | 0.68  | 0.75 | <b>9.00</b> | 2.33  | 1.03 |                   |
|   |             | 2.33  | 0.58 |             | 2.30  | 0.58 |              | 1.37  | 0.58 |             | 3.75  | 0.00 |                   |
| <b>PD8M9Q</b>   | <b>4.72</b> | -0.52 | 1.05 | <b>4.37</b> | 0.27  | 0.03 | <b>9.21</b>  | -0.37 | 1.14 | <b>5.23</b> | -0.01 | 0.94 |                   |
|   |             | -0.61 | 0.52 |             | 0.33  | 0.01 |              | -0.76 | 0.88 |             | -0.02 | 0.63 |                   |
| <b>Z3VZNG</b>   | <b>5.00</b> | -0.28 |      | <b>3.33</b> | -0.57 | 1.09 | <b>9.00</b>  | -0.48 |      | <b>5.33</b> | 0.05  | 0.85 |                   |
|   |             | -0.33 | 0.00 |             | -0.70 | 0.58 |              | -0.96 | 0.00 |             | 0.09  | 0.58 |                   |
| <b>KG6H4X</b>   | <b>5.73</b> | 0.34  | 2.32 | <b>4.04</b> | 0.00  | 1.02 | <b>10.43</b> | 0.23  | 2.54 | <b>6.28</b> | 0.64  | 3.56 |                   |
|   |             | 0.40  | 1.14 |             | 0.00  | 0.54 |              | 0.47  | 1.96 |             | 1.03  | 2.41 |                   |
| <b>KJBZ3T</b>   | <b>4.33</b> | -0.85 | 1.18 | <b>4.00</b> | -0.03 |      | <b>10.67</b> | 0.35  | 0.75 | <b>4.00</b> | -0.77 | 3.56 |                   |
|   |             | -1.00 | 0.58 |             | -0.04 | 0.00 |              | 0.70  | 0.58 |             | -1.25 | 0.00 |                   |
| <b>3HG3JC</b>   | <b>6.04</b> | 0.61  | 1.09 | <b>5.20</b> | 0.94  | 0.80 | <b>9.81</b>  | -0.08 | 0.12 | <b>6.06</b> | 0.51  | 0.73 |                   |
|   |             | 0.71  | 0.54 |             | 1.16  | 0.42 |              | -0.15 | 0.10 |             | 0.82  | 0.50 |                   |
| <b>E8KYJY</b>   | <b>5.33</b> | 0.00  | 1.18 | <b>4.67</b> | 0.51  | 1.09 | <b>11.00</b> | 0.51  | 1.30 | <b>6.00</b> | 0.47  | 1.48 |                   |
|   |             | 0.00  | 0.58 |             | 0.63  | 0.58 |              | 1.04  | 1.00 |             | 0.75  | 1.00 |                   |
| <b>2ZLAYD</b>   | <b>5.40</b> | 0.06  | 0.54 | <b>4.53</b> | 0.40  | 0.11 | <b>10.00</b> | 0.02  |      | <b>5.80</b> | 0.34  | 0.00 |                   |
|   |             | 0.07  | 0.26 |             | 0.50  | 0.06 |              | 0.04  | 0.00 |             | 0.55  | 0.00 |                   |
| <b>XD4VUG</b>   | <b>5.41</b> | 0.07  | 0.34 | <b>4.03</b> | 0.00  | 0.47 | <b>10.81</b> | 0.42  | 0.18 | <b>4.73</b> | -0.32 | 0.19 |                   |
|   |             | 0.08  | 0.17 |             | -0.01 | 0.25 |              | 0.85  | 0.14 |             | -0.52 | 0.13 |                   |
| <b>9GTK67</b>   | <b>6.45</b> | 0.95  | 0.80 | <b>4.45</b> | 0.33  | 0.87 | <b>11.90</b> | 0.96  | 0.20 | <b>5.62</b> | 0.23  | 1.35 |                   |
|   |             | 1.11  | 0.39 |             | 0.41  | 0.46 |              | 1.94  | 0.15 |             | 0.37  | 0.91 |                   |
| <b>T8DRYH</b>   | <b>2.00</b> | -2.84 |      | <b>1.00</b> | -2.47 |      | <b>7.00</b>  | -1.47 |      | <b>3.00</b> | -1.40 | 1.35 |                   |
|   |             | -3.33 | 0.00 |             | -3.04 | 0.00 |              | -2.96 | 0.00 |             | -2.25 | 0.00 |                   |
| <b>2RDHVB</b>   | <b>4.92</b> | -0.35 | 0.64 | <b>3.12</b> | -0.74 | 2.61 | <b>9.96</b>  | 0.00  | 2.24 | <b>4.79</b> | -0.29 | 0.36 |                   |
|   |             | -0.41 | 0.32 |             | -0.91 | 1.38 |              | 0.00  | 1.72 |             | -0.46 | 0.25 |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

|                          | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |             |       |      |
|--------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|-------------|-------|------|
|                          | Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |             |       |      |
| <b>YNEK8D</b>            | <b>4.78</b>        | -0.47   | 0.08    | <b>3.63</b>        | -0.33   | 0.16    | <b>9.59</b>        | -0.19   | 0.14    | <b>4.18</b> | -0.66 | 0.14 |
| <b>RF99BG</b>            | <b>4.80</b>        | -0.56   | 0.04    | <b>3.75</b>        | -0.41   | 0.08    | <b>8.68</b>        | -0.38   | 0.11    | <b>3.62</b> | -1.07 | 0.10 |
| <b>BX698W</b>            | <b>6.05</b>        | -0.45   | 0.77    | <b>4.15</b>        | -0.23   | 1.08    | <b>10.26</b>       | -0.63   | 1.21    | <b>4.00</b> | -1.01 | 0.53 |
| <b>M938NJ</b>            | <b>4.71</b>        | -0.53   | 0.38    | <b>3.27</b>        | -0.28   | 0.57    | <b>8.22</b>        | -1.28   | 0.93    | <b>4.12</b> | -1.62 | 0.36 |
| <b>Z4BZ87</b>            | <b>4.68</b>        | 0.61    | 0.26    | <b>3.54</b>        | 0.09    | 0.26    | <b>8.50</b>        | 0.15    | 0.13    | <b>3.60</b> | -0.77 | 0.17 |
| <b>6TTCZZ</b>            | <b>5.11</b>        | 0.71    | 0.13    | <b>3.60</b>        | 0.11    | 0.14    | <b>9.90</b>        | 0.30    | 0.10    | <b>5.25</b> | -1.25 | 0.12 |
| <b>GKM94Q</b>            | <b>6.70</b>        | -0.53   | 0.27    | <b>5.67</b>        | -0.62   | 0.20    | <b>11.50</b>       | -0.86   | 0.51    | <b>5.97</b> | -0.70 | 0.52 |
| <b>ACVHGX</b>            | <b>3.97</b>        | -0.62   | 0.13    | <b>4.61</b>        | -0.76   | 0.11    | <b>9.96</b>        | -1.74   | 0.39    | <b>1.97</b> | -1.12 | 0.35 |
| <b>6UNU32</b>            | <b>5.84</b>        | -0.56   | 0.15    | <b>4.73</b>        | -0.40   | 0.14    | <b>11.76</b>       | -0.72   | 1.26    | <b>5.33</b> | -1.02 | 0.12 |
| <b>XJT9V6</b>            | <b>5.28</b>        | -0.66   | 0.08    | <b>3.71</b>        | -0.50   | 0.07    | <b>9.78</b>        | -1.46   | 0.97    | <b>4.32</b> | -1.65 | 0.08 |
| <b>UJKXPB</b>            | <b>4.67</b>        | -0.19   | 1.04    | <b>3.40</b>        | -0.36   | 0.19    | <b>4.33</b>        | -0.03   | 0.16    | <b>4.27</b> | 0.00  | 0.70 |
| <b>D84HQR</b>            | <b>5.30</b>        | -0.22   | 0.51    | <b>3.80</b>        | -0.44   | 0.10    | <b>9.42</b>        | -0.06   | 0.13    | <b>4.56</b> | 0.00  | 0.47 |
| <b>9KRXTW</b>            | <b>8.31</b>        | 1.17    | 0.74    | <b>6.02</b>        | 1.33    | 0.79    | <b>13.91</b>       | 0.76    | 0.57    | <b>6.52</b> | 0.45  | 0.23 |
|                          |                    | 1.37    | 0.36    |                    | 1.63    | 0.42    |                    | 1.54    | 0.44    |             | 0.72  | 0.15 |
|                          |                    | -1.16   | 2.54    |                    | 0.47    | 3.38    |                    | 0.00    | 2.16    |             | -2.03 | 2.42 |
|                          |                    | -1.36   | 1.25    |                    | 0.57    | 1.79    |                    | 0.00    | 1.66    |             | -3.27 | 1.64 |
|                          |                    | 0.43    | 0.38    |                    | 0.57    | 0.62    |                    | 0.89    | 0.55    |             | 0.05  | 0.23 |
|                          |                    | 0.51    | 0.19    |                    | 0.69    | 0.33    |                    | 1.80    | 0.42    |             | 0.08  | 0.16 |
|                          |                    | -0.05   | 0.24    |                    | -0.27   | 0.40    |                    | -0.09   | 0.23    |             | -0.57 | 0.45 |
|                          |                    | -0.06   | 0.12    |                    | -0.33   | 0.21    |                    | -0.18   | 0.18    |             | -0.92 | 0.31 |
|                          |                    | -0.57   | 0.12    |                    | -0.52   | 0.00    |                    | -2.79   | 0.20    |             | -0.61 | 0.34 |
|                          |                    | -0.67   | 0.06    |                    | -0.64   | 0.00    |                    | -5.63   | 0.15    |             | -0.98 | 0.23 |
|                          |                    | -0.03   | 0.15    |                    | -0.19   | 0.04    |                    | -0.27   | 0.12    |             | -0.42 | 0.27 |
|                          |                    | -0.03   | 0.08    |                    | -0.24   | 0.02    |                    | -0.54   | 0.09    |             | -0.68 | 0.19 |
|                          |                    | 2.54    | 1.91    |                    | 1.61    | 0.25    |                    | 1.95    | 2.54    |             | 0.79  | 1.93 |
|                          |                    | 2.97    | 0.94    |                    | 1.98    | 0.13    |                    | 3.94    | 1.95    |             | 1.27  | 1.31 |
| <b>Grand Median</b>      |                    | 5.33    |         | 4.04               |         |         | 9.96               |         |         | 5.25        |       |      |
| <b>Median Abs Dev</b>    |                    | 0.62    |         | 0.58               |         |         | 1.04               |         |         | 0.85        |       |      |
| <b>Avg Within Lab SD</b> |                    | 0.49    |         | 0.53               |         |         | 0.77               |         |         | 0.68        |       |      |
| <b>Labs Included</b>     |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33          |       |      |
| <b>Labs Reporting</b>    |                    | 33      |         | 33                 |         |         | 33                 |         |         | 33          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mo (SubTestCode 224)     | in the Wet Digestion Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: mg/kg |
|--------------------------|--------------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------------|
|                          | SRBSRB1605                           |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |      |                   |
| 2V9A2L                   | <b>0.25</b>                          | 0.00  | 0.42 | <b>0.78</b> | -0.52 | 0.14 | <b>3.58</b> | 0.12  | 0.65 | <b>0.38</b> | -0.10 | 0.22 |                   |
|                          |                                      | 0.00  | 0.02 |             | -0.07 | 0.01 |             | 0.09  | 0.08 |             | -0.02 | 0.01 |                   |
| 7LQLUF                   | <b>0.45</b>                          | 0.88  | 0.66 | <b>1.18</b> | 2.29  | 0.28 | <b>4.06</b> | 0.78  | 1.02 | <b>0.63</b> | 1.24  | 0.49 |                   |
|                          |                                      | 0.20  | 0.03 |             | 0.32  | 0.02 |             | 0.57  | 0.13 |             | 0.23  | 0.03 |                   |
| ETFYA8                   | <b>0.40</b>                          | 0.67  | 0.12 | <b>0.85</b> | -0.02 | 0.66 | <b>3.51</b> | 0.03  | 0.57 | <b>0.47</b> | 0.37  | 0.47 |                   |
|                          |                                      | 0.16  | 0.01 |             | 0.00  | 0.05 |             | 0.02  | 0.07 |             | 0.07  | 0.03 |                   |
| LU92FX                   | <b>0.80</b>                          | 2.37  | 2.14 | <b>0.73</b> | -0.87 | 0.77 | <b>2.80</b> | -0.95 | 0.81 | <b>0.43</b> | 0.18  | 1.03 |                   |
|                          |                                      | 0.55  | 0.10 |             | -0.12 | 0.06 |             | -0.69 | 0.10 |             | 0.03  | 0.06 |                   |
| Z3VZNG                   | <b>0.23</b>                          | -0.06 | 1.24 | <b>0.73</b> | -0.87 | 0.77 | <b>3.17</b> | -0.45 | 0.47 | <b>0.40</b> | 0.00  | 1.78 |                   |
|                          |                                      | -0.01 | 0.06 |             | -0.12 | 0.06 |             | -0.32 | 0.06 |             | 0.00  | 0.10 |                   |
| KJBZ3T                   | <b>1.00</b>                          | 3.23  |      | <b>1.00</b> | 1.03  |      | <b>4.00</b> | 0.70  |      | <b>1.00</b> | 3.18  | 1.78 |                   |
|                          |                                      | 0.75  | 0.00 |             | 0.14  | 0.00 |             | 0.51  | 0.00 |             | 0.60  | 0.00 |                   |
| 3HG3JC                   | <b>2.54</b>                          | 9.85  | 5.56 | <b>1.63</b> | 5.53  | 0.61 | <b>2.12</b> | -1.88 | 1.85 | <b>1.47</b> | 5.68  | 2.05 |                   |
|                          |                                      | 2.29  | 0.26 |             | 0.77  | 0.05 |             | -1.37 | 0.23 |             | 1.07  | 0.12 |                   |
| XD4VUG                   |                                      |       |      |             |       |      | <b>3.33</b> | -0.21 | 2.15 |             |       | 2.05 |                   |
|                          |                                      |       |      |             |       |      |             | -0.16 | 0.26 |             |       |      |                   |
| 9GTK67                   | <b>0.23</b>                          | -0.08 | 0.14 | <b>0.89</b> | 0.25  | 0.36 | <b>3.47</b> | -0.03 | 1.06 | <b>0.31</b> | -0.50 | 0.36 |                   |
|                          |                                      | -0.02 | 0.01 |             | 0.04  | 0.03 |             | -0.02 | 0.13 |             | -0.10 | 0.02 |                   |
| 2RDHVB                   | <b>0.26</b>                          | 0.05  | 0.64 | <b>0.80</b> | -0.42 | 3.25 | <b>5.52</b> | 2.79  | 0.49 | <b>0.00</b> | -2.12 | 0.00 |                   |
|                          |                                      | 0.01  | 0.03 |             | -0.06 | 0.24 |             | 2.03  | 0.06 |             | -0.40 | 0.00 |                   |
| YNEK8D                   |                                      |       |      |             |       |      | <b>3.37</b> | -0.17 | 0.56 |             |       | 0.00 |                   |
|                          |                                      |       |      |             |       |      |             | -0.12 | 0.07 |             |       |      |                   |
| BX698W                   | <b>0.43</b>                          | 0.76  | 2.38 | <b>1.06</b> | 1.45  | 0.19 | <b>3.85</b> | 0.49  | 0.43 | <b>0.49</b> | 0.47  | 2.82 |                   |
|                          |                                      | 0.18  | 0.11 |             | 0.20  | 0.01 |             | 0.36  | 0.05 |             | 0.09  | 0.16 |                   |
| M938NJ                   | <b>0.22</b>                          | -0.11 | 0.27 | <b>0.91</b> | 0.36  | 0.50 | <b>3.62</b> | 0.18  | 1.09 | <b>0.39</b> | -0.07 | 0.22 |                   |
|                          |                                      | -0.03 | 0.01 |             | 0.05  | 0.04 |             | 0.13  | 0.13 |             | -0.01 | 0.01 |                   |
| Z4BZ87                   | <b>0.19</b>                          | -0.24 | 0.12 | <b>0.79</b> | -0.45 | 0.43 | <b>3.33</b> | -0.22 | 2.05 | <b>0.33</b> | -0.35 | 0.10 |                   |
|                          |                                      | -0.05 | 0.01 |             | -0.06 | 0.03 |             | -0.16 | 0.25 |             | -0.07 | 0.01 |                   |
| 6TTCZZ                   | <b>0.21</b>                          | -0.15 | 0.12 | <b>0.89</b> | 0.25  | 0.23 | <b>3.92</b> | 0.59  | 0.71 | <b>0.40</b> | 0.02  | 0.10 |                   |
|                          |                                      | -0.03 | 0.01 |             | 0.03  | 0.02 |             | 0.43  | 0.09 |             | 0.00  | 0.01 |                   |
| UJKXPB                   |                                      |       |      |             |       |      | <b>1.50</b> | -2.74 | 0.81 |             |       | 0.10 |                   |
|                          |                                      |       |      |             |       |      |             | -1.99 | 0.10 |             |       |      |                   |
| D84HQR                   | <b>0.21</b>                          | -0.17 | 0.16 | <b>0.86</b> | 0.00  | 0.28 | <b>3.74</b> | 0.35  | 0.48 | <b>0.37</b> | -0.16 | 0.37 |                   |
|                          |                                      | -0.04 | 0.01 |             | 0.00  | 0.02 |             | 0.25  | 0.06 |             | -0.03 | 0.02 |                   |
| <b>Grand Median</b>      |                                      | 0.25  |      |             | 0.86  |      |             | 3.49  |      |             | 0.40  |      |                   |
| <b>Median Abs Dev</b>    |                                      | 0.04  |      |             | 0.06  |      |             | 0.29  |      |             | 0.07  |      |                   |
| <b>Avg Within Lab SD</b> |                                      | 0.05  |      |             | 0.07  |      |             | 0.12  |      |             | 0.06  |      |                   |
| <b>Labs Included</b>     |                                      | 13    |      |             | 13    |      |             | 16    |      |             | 13    |      |                   |
| <b>Labs Reporting</b>    |                                      | 13    |      |             | 13    |      |             | 16    |      |             | 13    |      |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| P (SubTestCode 225)      | in the Dry Ash Property Groups |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|                          | SRBSRB1605                     |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |                     |       |      |
| <b>WN8QDL</b>            | <b>0.26</b>                    | 0.48  | 0.16 | <b>0.39</b> | -0.20 | 1.49 | <b>0.69</b> | -0.36 | 0.77 | <b>0.26</b>         | 0.03  | 1.14 |
|                          |                                | 0.02  | 0.00 |             | -0.01 | 0.02 |             | -0.02 | 0.02 |                     | 0.00  | 0.01 |
| <b>JMZPA2</b>            | <b>0.28</b>                    | 1.00  | 0.72 | <b>0.47</b> | 2.26  | 1.12 | <b>0.76</b> | 0.87  | 0.37 | <b>0.32</b>         | 2.27  | 0.85 |
|                          |                                | 0.05  | 0.01 |             | 0.07  | 0.01 |             | 0.05  | 0.01 |                     | 0.07  | 0.01 |
| <b>ZTQT9G</b>            | <b>0.20</b>                    | -0.62 | 0.42 | <b>0.38</b> | -0.46 | 0.00 | <b>0.65</b> | -0.90 | 0.21 | <b>0.22</b>         | -1.18 | 0.00 |
|                          |                                | -0.03 | 0.01 |             | -0.01 | 0.00 |             | -0.05 | 0.01 |                     | -0.03 | 0.00 |
| <b>9GTK67</b>            | <b>0.20</b>                    | -0.75 | 2.02 | <b>0.39</b> | -0.06 | 0.20 | <b>0.73</b> | 0.36  | 0.57 | <b>0.26</b>         | 0.16  | 0.81 |
|                          |                                | -0.04 | 0.03 |             | 0.00  | 0.00 |             | 0.02  | 0.02 |                     | 0.00  | 0.01 |
| <b>8YU8W7</b>            | <b>0.21</b>                    | -0.48 | 0.00 | <b>0.40</b> | 0.06  | 1.12 | <b>0.66</b> | -0.85 | 1.41 | <b>0.24</b>         | -0.38 | 1.29 |
|                          |                                | -0.02 | 0.00 |             | 0.00  | 0.01 |             | -0.05 | 0.04 |                     | -0.01 | 0.02 |
| <b>V3RMFD</b>            | <b>0.27</b>                    | 0.72  | 1.10 | <b>0.43</b> | 1.00  | 1.12 | <b>0.75</b> | 0.70  | 1.71 | <b>0.25</b>         | -0.03 | 1.29 |
|                          |                                | 0.03  | 0.02 |             | 0.03  | 0.01 |             | 0.04  | 0.05 |                     | 0.00  | 0.02 |
| <b>Grand Median</b>      |                                | 0.23  |      |             | 0.39  |      |             | 0.71  |      |                     | 0.25  |      |
| <b>Median Abs Dev</b>    |                                | 0.03  |      |             | 0.01  |      |             | 0.05  |      |                     | 0.01  |      |
| <b>Avg Within Lab SD</b> |                                | 0.01  |      |             | 0.01  |      |             | 0.03  |      |                     | 0.01  |      |
| <b>Labs Included</b>     |                                | 6     |      |             | 6     |      |             | 6     |      |                     | 6     |      |
| <b>Labs Reporting</b>    |                                | 6     |      |             | 6     |      |             | 6     |      |                     | 6     |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K (SubTestCode 226)      | in the Dry Ash Property Groups |       |      |             |       |      |             |       |      | Data units: Percent |       |      |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|-------|------|
|                          | SRBSRB1605                     |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |                     |       |      |
| <b>WN8QDL</b>            | <b>4.39</b>                    | 1.27  | 1.85 | <b>4.12</b> | 0.08  | 2.10 | <b>7.74</b> | 0.67  | 0.60 | <b>9.51</b>         | 0.55  | 1.06 |
|                          |                                | 0.41  | 0.12 |             | 0.02  | 0.14 |             | 0.44  | 0.20 |                     | 0.74  | 0.26 |
| <b>JMZPA2</b>            | <b>4.49</b>                    | 1.57  | 0.15 | <b>3.60</b> | -1.86 | 0.15 | <b>7.30</b> | 0.00  | 0.05 | <b>9.20</b>         | 0.32  | 0.04 |
|                          |                                | 0.51  | 0.01 |             | -0.50 | 0.01 |             | 0.00  | 0.02 |                     | 0.43  | 0.01 |
| <b>ZTQT9G</b>            | <b>3.98</b>                    | 0.00  | 0.67 | <b>4.18</b> | 0.31  | 0.30 | <b>7.06</b> | -0.38 | 0.24 | <b>8.24</b>         | -0.39 | 0.21 |
|                          |                                | 0.00  | 0.04 |             | 0.08  | 0.02 |             | -0.25 | 0.08 |                     | -0.53 | 0.05 |
| <b>9GTK67</b>            | <b>4.03</b>                    | 0.14  | 1.59 | <b>4.10</b> | 0.00  | 0.16 | <b>7.52</b> | 0.32  | 0.09 | <b>8.77</b>         | 0.00  | 0.24 |
|                          |                                | 0.05  | 0.10 |             | 0.00  | 0.01 |             | 0.21  | 0.03 |                     | 0.00  | 0.06 |
| <b>8YU8W7</b>            | <b>3.79</b>                    | -0.58 | 0.64 | <b>3.72</b> | -1.42 | 0.57 | <b>6.42</b> | -1.35 | 2.53 | <b>7.44</b>         | -0.98 | 2.09 |
|                          |                                | -0.19 | 0.04 |             | -0.38 | 0.04 |             | -0.89 | 0.82 |                     | -1.33 | 0.52 |
| <b>V3RMFD</b>            | <b>3.82</b>                    | -0.50 | 0.32 | <b>3.94</b> | -0.60 | 1.44 | <b>6.73</b> | -0.88 | 0.32 | <b>8.07</b>         | -0.51 | 1.16 |
|                          |                                | -0.16 | 0.02 |             | -0.16 | 0.10 |             | -0.58 | 0.10 |                     | -0.69 | 0.29 |
| <b>Y26GAB</b>            | <b>3.77</b>                    | -0.66 | 0.24 | <b>4.22</b> | 0.46  | 0.20 | <b>8.05</b> | 1.13  | 0.24 | <b>11.43</b>        | 1.97  | 0.29 |
|                          |                                | -0.22 | 0.02 |             | 0.12  | 0.01 |             | 0.74  | 0.08 |                     | 2.66  | 0.07 |
| <b>Grand Median</b>      |                                | 3.98  |      |             | 4.10  |      |             | 7.30  |      |                     | 8.77  |      |
| <b>Median Abs Dev</b>    |                                | 0.19  |      |             | 0.12  |      |             | 0.44  |      |                     | 0.69  |      |
| <b>Avg Within Lab SD</b> |                                | 0.07  |      |             | 0.07  |      |             | 0.32  |      |                     | 0.25  |      |
| <b>Labs Included</b>     |                                | 7     |      |             | 7     |      |             | 7     |      |                     | 7     |      |
| <b>Labs Reporting</b>    |                                | 7     |      |             | 7     |      |             | 7     |      |                     | 7     |      |





## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ca (SubTestCode 227)     |             | in the Dry Ash Property Groups |                      |             |                        |                      |             |                        |                      |             | Data units: Percent    |                      |
|--------------------------|-------------|--------------------------------|----------------------|-------------|------------------------|----------------------|-------------|------------------------|----------------------|-------------|------------------------|----------------------|
|                          | SRBSRB1605  | SRBSRB1606                     | SRBSRB1607           |             |                        |                      |             |                        |                      |             |                        |                      |
| <b>WN8QDL</b>            | <b>0.41</b> | -0.66<br>-0.04<br>1.63         | 1.50<br>0.01<br>1.05 | <b>0.31</b> | -1.76<br>-0.09<br>0.33 | 0.88<br>0.01<br>0.96 | <b>3.43</b> | 1.11<br>0.72<br>0.15   | 0.74<br>0.06<br>0.18 | <b>2.03</b> | 0.53<br>0.19<br>1.11   | 1.01<br>0.06<br>0.16 |
| <b>JMZPA2</b>            | <b>0.55</b> | 0.10<br>-0.27<br>-0.02         | 0.01<br>0.61<br>0.01 | <b>0.41</b> | 0.02<br>0.00<br>0.00   | 0.01<br>0.55<br>0.01 | <b>2.81</b> | 0.10<br>0.00<br>0.00   | 0.02<br>0.31<br>0.03 | <b>2.24</b> | 0.41<br>0.00<br>0.00   | 0.01<br>0.36<br>0.02 |
| <b>ZTQT9G</b>            | <b>0.43</b> | -0.71<br>-0.04<br>0.93         | 0.68<br>0.01<br>1.21 | <b>0.39</b> | -0.13<br>-0.01<br>2.21 | 0.67<br>0.01<br>0.55 | <b>2.71</b> | -0.41<br>-0.26<br>0.61 | 0.60<br>0.05<br>2.43 | <b>1.83</b> | -0.45<br>-0.17<br>0.98 | 0.86<br>0.06<br>2.19 |
| <b>9GTK67</b>            | <b>0.41</b> | 0.06<br>0.00<br>0.00           | 0.01<br>1.05<br>0.01 | <b>0.50</b> | 0.11<br>0.00<br>0.00   | 0.01<br>2.00<br>0.02 | <b>3.10</b> | 0.39<br>-0.11<br>-0.07 | 0.21<br>0.21<br>0.02 | <b>2.19</b> | 0.36<br>-0.24<br>-0.09 | 0.14<br>0.39<br>0.03 |
| <b>8YU8W7</b>            | <b>0.51</b> | 0.52<br>0.03                   | 0.50<br>0.00         | <b>0.39</b> | 0.30<br>0.01           | 0.52<br>0.01         | <b>2.64</b> | -2.33<br>-1.50         | 0.11<br>0.01         | <b>1.74</b> | -1.42<br>-0.52         | 0.39<br>0.03         |
| <b>Y26GAB</b>            | <b>0.48</b> |                                |                      | <b>0.41</b> |                        |                      | <b>1.21</b> |                        |                      | <b>1.31</b> |                        |                      |
| <b>Grand Median</b>      |             | 0.45                           |                      | 0.39        |                        |                      | 2.71        |                        |                      | 1.83        |                        |                      |
| <b>Median Abs Dev</b>    |             | 0.04                           |                      | 0.01        |                        |                      | 0.26        |                        |                      | 0.19        |                        |                      |
| <b>Avg Within Lab SD</b> |             | 0.01                           |                      | 0.01        |                        |                      | 0.08        |                        |                      | 0.06        |                        |                      |
| <b>Labs Included</b>     |             | 7                              |                      | 7           |                        |                      | 7           |                        |                      | 7           |                        |                      |
| <b>Labs Reporting</b>    |             | 7                              |                      | 7           |                        |                      | 7           |                        |                      | 7           |                        |                      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mg (SubTestCode 228)     | in the Dry Ash Property Groups |       |      |             |       |      |             |       |      |             |       |      | Data units: Percent |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|
|                          | SRBSRB1605                     |       |      | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |      |                     |
| <b>WN8QDL</b>            | <b>0.39</b>                    | 1.59  | 0.59 | <b>0.18</b> | 0.21  | 0.58 | <b>0.65</b> | 0.30  | 0.28 | <b>1.10</b> | 0.18  | 0.47 |                     |
|                          |                                | 0.06  | 0.01 |             | 0.00  | 0.00 |             | 0.02  | 0.01 |             | 0.03  | 0.02 |                     |
| <b>JMZPA2</b>            | <b>0.40</b>                    | 1.86  | 0.45 | <b>0.24</b> | 3.15  | 1.26 | <b>0.71</b> | 1.42  | 0.71 | <b>1.41</b> | 1.88  | 0.28 |                     |
|                          |                                | 0.07  | 0.01 |             | 0.06  | 0.01 |             | 0.08  | 0.02 |             | 0.34  | 0.01 |                     |
| <b>ZTQT9G</b>            | <b>0.32</b>                    | 0.00  | 0.45 | <b>0.18</b> | 0.00  | 0.00 | <b>0.62</b> | -0.18 | 0.27 | <b>1.07</b> | 0.00  | 0.16 |                     |
|                          |                                | 0.00  | 0.01 |             | 0.00  | 0.00 |             | -0.01 | 0.01 |             | 0.00  | 0.01 |                     |
| <b>9GTK67</b>            | <b>0.31</b>                    | -0.44 | 2.37 | <b>0.17</b> | -0.43 | 0.33 | <b>0.66</b> | 0.55  | 0.78 | <b>1.12</b> | 0.27  | 1.04 |                     |
|                          |                                | -0.02 | 0.03 |             | -0.01 | 0.00 |             | 0.03  | 0.02 |             | 0.05  | 0.04 |                     |
| <b>8YU8W7</b>            | <b>0.32</b>                    | -0.17 | 0.45 | <b>0.18</b> | 0.17  | 1.26 | <b>0.63</b> | -0.12 | 2.16 | <b>1.05</b> | -0.09 | 2.36 |                     |
|                          |                                | -0.01 | 0.01 |             | 0.00  | 0.01 |             | -0.01 | 0.05 |             | -0.02 | 0.09 |                     |
| <b>V3RMFD</b>            | <b>0.33</b>                    | 0.08  | 0.45 | <b>0.17</b> | -0.33 | 1.26 | <b>0.63</b> | 0.00  | 0.97 | <b>0.99</b> | -0.40 | 0.16 |                     |
|                          |                                | 0.00  | 0.01 |             | -0.01 | 0.01 |             | 0.00  | 0.02 |             | -0.07 | 0.01 |                     |
| <b>Y26GAB</b>            | <b>0.30</b>                    | -0.58 | 0.50 | <b>0.17</b> | -0.43 | 1.35 | <b>0.51</b> | -2.15 | 0.33 | <b>0.72</b> | -1.90 | 0.13 |                     |
|                          |                                | -0.02 | 0.01 |             | -0.01 | 0.01 |             | -0.12 | 0.01 |             | -0.35 | 0.00 |                     |
| <b>Grand Median</b>      |                                | 0.32  |      |             | 0.18  |      |             | 0.63  |      |             | 1.07  |      |                     |
| <b>Median Abs Dev</b>    |                                | 0.02  |      |             | 0.01  |      |             | 0.02  |      |             | 0.05  |      |                     |
| <b>Avg Within Lab SD</b> |                                | 0.01  |      |             | 0.00  |      |             | 0.02  |      |             | 0.04  |      |                     |
| <b>Labs Included</b>     |                                | 7     |      |             | 7     |      |             | 7     |      |             | 7     |      |                     |
| <b>Labs Reporting</b>    |                                | 7     |      |             | 7     |      |             | 7     |      |             | 7     |      |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Na (SubTestCode 229)     |              | in the Dry Ash Property Groups |       |              |        |       |              |        |       |              | Data units: Percent |       |
|--------------------------|--------------|--------------------------------|-------|--------------|--------|-------|--------------|--------|-------|--------------|---------------------|-------|
|                          | SRBSRB1605   |                                |       | SRBSRB1606   |        |       | SRBSRB1607   |        |       |              |                     |       |
| <b>WN8QDL</b>            | <b>2.202</b> | -0.282                         | 0.499 | <b>0.044</b> | 0.902  | 0.451 | <b>0.569</b> | -0.421 | 0.439 | <b>0.145</b> | 0.063               | 0.122 |
|                          |              | -0.024                         | 0.026 |              | 0.019  | 0.002 |              | -0.054 | 0.017 |              | 0.003               | 0.001 |
| <b>JMZPA2</b>            | <b>2.090</b> | -1.582                         | 0.190 | <b>0.040</b> | 0.697  | 2.084 | <b>0.540</b> | -0.646 | 0.000 | <b>0.130</b> | -0.323              | 0.000 |
|                          |              | -0.136                         | 0.010 |              | 0.014  | 0.010 |              | -0.082 | 0.000 |              | -0.013              | 0.000 |
| <b>ZTQT9G</b>            | <b>2.127</b> | -1.155                         | 0.581 | <b>0.010</b> | -0.753 | 0.000 | <b>0.573</b> | -0.385 | 0.151 | <b>0.173</b> | 0.768               | 0.671 |
|                          |              | -0.099                         | 0.031 |              | -0.016 | 0.000 |              | -0.049 | 0.006 |              | 0.030               | 0.006 |
| <b>9GTK67</b>            | <b>2.261</b> | 0.414                          | 1.082 | <b>0.006</b> | -0.946 | 0.000 | <b>0.671</b> | 0.385  | 0.129 | <b>0.140</b> | -0.063              | 0.269 |
|                          |              | 0.036                          | 0.057 |              | -0.020 | 0.000 |              | 0.049  | 0.005 |              | -0.003              | 0.002 |
| <b>8YU8W7</b>            | <b>2.250</b> | 0.282                          | 1.007 | <b>0.033</b> | 0.375  | 1.203 | <b>0.797</b> | 1.368  | 2.381 | <b>0.250</b> | 2.699               | 2.326 |
|                          |              | 0.024                          | 0.053 |              | 0.008  | 0.006 |              | 0.174  | 0.091 |              | 0.107               | 0.020 |
| <b>Y26GAB</b>            | <b>2.254</b> | 0.331                          | 1.786 | <b>0.018</b> | -0.375 | 0.077 | <b>0.730</b> | 0.842  | 0.314 | <b>0.138</b> | -0.130              | 0.226 |
|                          |              | 0.028                          | 0.094 |              | -0.008 | 0.000 |              | 0.107  | 0.012 |              | -0.005              | 0.002 |
| <b>Grand Median</b>      |              | 2.23                           |       |              | 0.026  |       |              | 0.62   |       |              | 0.14                |       |
| <b>Median Abs Dev</b>    |              | 0.03                           |       |              | 0.015  |       |              | 0.07   |       |              | 0.01                |       |
| <b>Avg Within Lab SD</b> |              | 0.05                           |       |              | 0.005  |       |              | 0.04   |       |              | 0.01                |       |
| <b>Labs Included</b>     |              | 6                              |       |              | 6      |       |              | 6      |       |              | 6                   |       |
| <b>Labs Reporting</b>    |              | 6                              |       |              | 6      |       |              | 6      |       |              | 6                   |       |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Al (SubTestCode 230)     | in the Dry Ash Property Groups |     |             |      |              |      | Data units: mg/kg |      |
|--------------------------|--------------------------------|-----|-------------|------|--------------|------|-------------------|------|
|                          | SRBSRB1605                     |     | SRBSRB1606  |      | SRBSRB1607   |      |                   |      |
| <b>9GTK67</b>            | <b>64.7</b>                    | 0.8 | <b>42.3</b> | 0.2  | <b>677.3</b> | 1.1  | <b>64.6</b>       | 1.0  |
|                          |                                | 4.2 |             | 1.4  |              | 84.4 |                   | 9.0  |
| <b>MFPVJN</b>            | <b>57.0</b>                    | 1.4 | <b>54.0</b> | 1.7  | <b>685.3</b> | 0.9  | <b>66.7</b>       | 0.3  |
|                          |                                | 7.5 |             | 12.5 |              | 67.0 |                   | 3.1  |
| <b>8YU8W7</b>            | <b>66.5</b>                    | 0.5 | <b>53.3</b> | 0.2  | <b>833.5</b> | 1.0  | <b>102.4</b>      | 1.4  |
|                          |                                | 2.7 |             | 1.2  |              | 81.1 |                   | 12.2 |
| <b>Grand Median</b>      | 64.7                           |     | 53.3        |      | 685.3        |      | 66.7              |      |
| <b>Median Abs Dev</b>    |                                |     |             |      |              |      |                   |      |
| <b>Avg Within Lab SD</b> | 5.2                            |     | 7.3         |      | 77.9         |      | 8.9               |      |
| <b>Labs Included</b>     | 3                              |     | 3           |      | 3            |      | 3                 |      |
| <b>Labs Reporting</b>    | 3                              |     | 3           |      | 3            |      | 3                 |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| B (SubTestCode 231)      | in the Dry Ash Property Groups |        |      |             |       |      |              |        |      | Data units: mg/kg |       |      |
|--------------------------|--------------------------------|--------|------|-------------|-------|------|--------------|--------|------|-------------------|-------|------|
|                          | SRBSRB1605                     |        |      | SRBSRB1606  |       |      | SRBSRB1607   |        |      |                   |       |      |
| <b>WN8QDL</b>            | <b>28.97</b>                   | 0.21   | 0.36 | <b>4.85</b> | 0.00  | 0.25 | <b>44.72</b> | -0.48  | 0.53 | <b>29.61</b>      | -0.09 | 0.53 |
|                          |                                | 1.28   | 0.49 |             | 0.00  | 0.14 |              | -3.61  | 0.93 |                   | -0.39 | 0.68 |
| <b>JMZPA2</b>            | <b>30.33</b>                   | 0.43   | 0.42 | <b>7.33</b> | 1.40  | 1.03 | <b>51.00</b> | 0.35   | 0.57 | <b>32.00</b>      | 0.47  | 0.78 |
|                          |                                | 2.65   | 0.58 |             | 2.48  | 0.58 |              | 2.67   | 1.00 |                   | 2.00  | 1.00 |
| <b>ZTQT9G</b>            | <b>29.33</b>                   | 0.27   | 0.42 | <b>6.90</b> | 1.15  |      | <b>53.67</b> | 0.71   | 0.33 | <b>33.00</b>      | 0.70  | 0.78 |
|                          |                                | 1.65   | 0.58 |             | 2.05  | 0.35 |              | 5.33   | 0.58 |                   | 3.00  | 0.00 |
| <b>9GTK67</b>            | <b>27.68</b>                   | 0.00   | 1.01 | <b>5.68</b> | 0.47  | 1.00 | <b>56.64</b> | 1.10   | 2.18 | <b>36.77</b>      | 1.59  | 1.82 |
|                          |                                | 0.00   | 1.40 |             | 0.83  | 0.56 |              | 8.31   | 3.82 |                   | 6.77  | 2.34 |
| <b>MFPVJN</b>            | <b>17.67</b>                   | -1.63  | 2.20 | <b>4.33</b> | -0.29 | 1.03 | <b>48.33</b> | 0.00   | 0.33 | <b>30.00</b>      | 0.00  | 0.78 |
|                          |                                | -10.02 | 3.06 |             | -0.52 | 0.58 |              | 0.00   | 0.58 |                   | 0.00  | 1.00 |
| <b>8YU8W7</b>            | <b>26.10</b>                   | -0.26  | 0.56 | <b>4.60</b> | -0.14 | 1.28 | <b>45.57</b> | -0.37  | 1.48 | <b>29.07</b>      | -0.22 | 1.65 |
|                          |                                | -1.58  | 0.78 |             | -0.25 | 0.72 |              | -2.77  | 2.59 |                   | -0.93 | 2.12 |
| <b>V3RMFD</b>            | <b>28.97</b>                   | 0.21   | 0.37 | <b>4.30</b> | -0.31 | 0.47 | <b>51.13</b> | 0.37   | 0.89 | <b>32.17</b>      | 0.51  | 0.55 |
|                          |                                | 1.28   | 0.51 |             | -0.55 | 0.26 |              | 2.80   | 1.57 |                   | 2.17  | 0.70 |
| <b>Y26GAB</b>            | <b>15.68</b>                   | -1.96  | 1.32 | <b>3.96</b> | -0.50 | 1.41 | <b>33.04</b> | -2.03  | 0.00 | <b>25.05</b>      | -1.16 | 0.52 |
|                          |                                | -12.00 | 1.83 |             | -0.89 | 0.79 |              | -15.30 | 0.00 |                   | -4.95 | 0.66 |
| <b>9KRXTW</b>            | <b>20.90</b>                   | -1.11  | 0.69 | <b>8.05</b> | 1.80  | 1.26 | <b>43.34</b> | -0.66  | 0.67 | <b>24.36</b>      | -1.32 | 0.94 |
|                          |                                | -6.78  | 0.97 |             | 3.20  | 0.71 |              | -5.00  | 1.18 |                   | -5.64 | 1.21 |
| <b>Grand Median</b>      |                                | 27.7   |      | 4.85        |       |      | 48.3         |        |      | 30.0              |       |      |
| <b>Median Abs Dev</b>    |                                | 1.6    |      | 0.83        |       |      | 3.6          |        |      | 2.2               |       |      |
| <b>Avg Within Lab SD</b> |                                | 1.4    |      | 0.56        |       |      | 1.8          |        |      | 1.3               |       |      |
| <b>Labs Included</b>     |                                | 9      |      | 9           |       |      | 9            |        |      | 9                 |       |      |
| <b>Labs Reporting</b>    |                                | 9      |      | 9           |       |      | 9            |        |      | 9                 |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Zn (SubTestCode 232) <span style="float: right;">Data units: mg/kg</span> |              |      |     |              |       |     |              |       |     |              |       |     |
|---|--------------|------|-----|--------------|-------|-----|--------------|-------|-----|--------------|-------|-----|
|   | SRBSRB1605   |      |     | SRBSRB1606   |       |     | SRBSRB1607   |       |     |              |       |     |
| <b>WN8QDL</b>   | <b>16.5</b>  | -0.1 | 0.2 | <b>26.1</b>  | -1.9  | 0.7 | <b>73.9</b>  | -0.4  | 0.5 | <b>26.5</b>  | 0.0   | 0.8 |
|   |              | -0.2 | 0.4 |              | -2.5  | 0.7 |              | -1.5  | 1.1 |              | 0.0   | 0.9 |
| <b>JMZPA2</b>   | <b>17.3</b>  | 0.2  | 0.9 | <b>29.0</b>  | 0.3   | 0.9 | <b>75.3</b>  | 0.0   | 0.8 | <b>38.3</b>  | 2.4   | 0.5 |
|   |              | 0.5  | 1.5 |              | 0.4   | 1.0 |              | -0.1  | 1.5 |              | 11.8  | 0.6 |
| <b>ZTQT9G</b>   | <b>13.7</b>  | -1.2 | 0.3 | <b>28.3</b>  | -0.2  | 0.5 | <b>71.0</b>  | -1.1  | 0.5 | <b>23.3</b>  | -0.6  | 0.5 |
|   |              | -3.1 | 0.6 |              | -0.2  | 0.6 |              | -4.4  | 1.0 |              | -3.2  | 0.6 |
| <b>9GTK67</b>   | <b>11.4</b>  | -2.2 | 0.9 | <b>27.2</b>  | -1.0  | 0.5 | <b>75.5</b>  | 0.0   | 0.6 | <b>23.7</b>  | -0.6  | 0.7 |
|   |              | -5.4 | 1.7 |              | -1.4  | 0.6 |              | 0.1   | 1.3 |              | -2.8  | 0.8 |
| <b>8YU8W7</b>   | <b>17.0</b>  | 0.1  | 2.0 | <b>28.8</b>  | 0.2   | 1.5 | <b>77.8</b>  | 0.6   | 1.1 | <b>28.6</b>  | 0.4   | 1.9 |
|   |              | 0.2  | 3.5 |              | 0.2   | 1.7 |              | 2.3   | 2.1 |              | 2.1   | 2.1 |
| <b>V3RMFD</b>   | <b>17.4</b>  | 0.2  | 0.6 | <b>29.3</b>  | 0.5   | 1.3 | <b>84.0</b>  | 2.0   | 1.8 | <b>26.5</b>  | 0.0   | 0.9 |
|   |              | 0.6  | 1.1 |              | 0.7   | 1.5 |              | 8.6   | 3.7 |              | 0.0   | 1.0 |
| <b>Y26GAB</b>   | <b>108.8</b> | 36.7 | 0.1 | <b>156.1</b> | 94.0  | 0.5 | <b>185.7</b> | 26.2  | 0.2 | <b>140.2</b> | 23.1  | 0.5 |
|   |              | 92.0 | 0.1 |              | 127.5 | 0.5 |              | 110.3 | 0.4 |              | 113.7 | 0.5 |
| <b>Grand Median</b>   |              | 16.8 |     |              | 28.6  |     |              | 75.4  |     |              | 26.5  |     |
| <b>Median Abs Dev</b>   |              | 0.6  |     |              | 0.6   |     |              | 1.9   |     |              | 2.5   |     |
| <b>Avg Within Lab SD</b>  |              | 1.8  |     |              | 1.1   |     |              | 2.0   |     |              | 1.1   |     |
| <b>Labs Included</b>  |              | 6    |     |              | 6     |     |              | 6     |     |              | 6     |     |
| <b>Labs Reporting</b>   |              | 6    |     |              | 6     |     |              | 6     |     |              | 6     |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mn (SubTestCode 233)     | in the Dry Ash Property Groups |       |     |             |      |     |              |      |     | Data units: mg/kg |      |     |
|--------------------------|--------------------------------|-------|-----|-------------|------|-----|--------------|------|-----|-------------------|------|-----|
|                          | SRBSRB1605                     |       |     | SRBSRB1606  |      |     | SRBSRB1607   |      |     |                   |      |     |
| <b>WN8QDL</b>            | <b>47.9</b>                    | 0.8   | 0.2 | <b>58.9</b> | -0.2 | 1.5 | <b>87.3</b>  | -1.1 | 0.6 | <b>66.5</b>       | -0.3 | 0.3 |
|                          |                                | 7.1   | 0.7 |             | -1.4 | 1.5 |              | -6.9 | 1.6 |                   | -2.9 | 0.6 |
| <b>JMZPA2</b>            | <b>54.0</b>                    | 1.6   | 0.4 | <b>90.3</b> | 3.4  | 0.6 | <b>104.7</b> | 1.6  | 0.4 | <b>94.3</b>       | 2.3  | 0.8 |
|                          |                                | 13.2  | 1.0 |             | 30.0 | 0.6 |              | 10.4 | 1.2 |                   | 25.0 | 1.5 |
| <b>ZTQT9G</b>            | <b>37.3</b>                    | -0.4  | 0.2 | <b>60.3</b> | 0.0  |     | <b>89.7</b>  | -0.7 | 0.4 | <b>78.0</b>       | 0.8  | 0.8 |
|                          |                                | -3.4  | 0.6 |             | 0.0  | 1.2 |              | -4.6 | 1.2 |                   | 8.7  | 0.0 |
| <b>9GTK67</b>            | <b>40.8</b>                    | 0.0   | 2.6 | <b>60.0</b> | 0.0  | 0.6 | <b>94.5</b>  | 0.0  | 0.3 | <b>62.1</b>       | -0.7 | 0.4 |
|                          |                                | 0.0   | 7.1 |             | -0.3 | 0.6 |              | 0.2  | 1.0 |                   | -7.2 | 0.9 |
| <b>8YU8W7</b>            | <b>36.1</b>                    | -0.5  | 0.1 | <b>60.4</b> | 0.0  | 0.9 | <b>92.6</b>  | -0.3 | 2.2 | <b>71.3</b>       | 0.2  | 2.4 |
|                          |                                | -4.7  | 0.3 |             | 0.1  | 0.9 |              | -1.7 | 6.2 |                   | 2.0  | 4.7 |
| <b>V3RMFD</b>            | <b>41.1</b>                    | 0.0   | 0.4 | <b>60.5</b> | 0.0  | 1.3 | <b>101.3</b> | 1.1  | 1.1 | <b>69.3</b>       | 0.0  | 0.3 |
|                          |                                | 0.3   | 1.2 |             | 0.2  | 1.2 |              | 7.0  | 3.1 |                   | 0.0  | 0.6 |
| <b>Y26GAB</b>            | <b>29.5</b>                    | -1.3  | 0.0 | <b>51.2</b> | -1.1 | 0.1 | <b>94.3</b>  | 0.0  | 0.1 | <b>63.9</b>       | -0.5 | 0.3 |
|                          |                                | -11.3 | 0.1 |             | -9.2 | 0.1 |              | 0.0  | 0.2 |                   | -5.5 | 0.7 |
| <b>Grand Median</b>      |                                | 40.8  |     | 60.3        |      |     | 94.3         |      |     | 69.3              |      |     |
| <b>Median Abs Dev</b>    |                                | 4.7   |     | 0.3         |      |     | 4.6          |      |     | 5.5               |      |     |
| <b>Avg Within Lab SD</b> |                                | 2.8   |     | 1.0         |      |     | 2.8          |      |     | 1.9               |      |     |
| <b>Labs Included</b>     |                                | 7     |     | 7           |      |     | 7            |      |     | 7                 |      |     |
| <b>Labs Reporting</b>    |                                | 7     |     | 7           |      |     | 7            |      |     | 7                 |      |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Fe (SubTestCode 234)     | in the Dry Ash Property Groups |       |     |              |      |     |                |       |      | Data units: mg/kg |       |      |
|--------------------------|--------------------------------|-------|-----|--------------|------|-----|----------------|-------|------|-------------------|-------|------|
|                          | SRBSRB1605                     |       |     | SRBSRB1606   |      |     | SRBSRB1607     |       |      |                   |       |      |
| <b>WN8QDL</b>            | <b>64.7</b>                    | 0.5   | 1.0 | <b>99.9</b>  | 0.0  | 1.5 | <b>458.6</b>   | 0.0   | 0.1  | <b>88.1</b>       | 0.0   | 0.2  |
|                          |                                | 8.1   | 2.1 |              | 0.0  | 4.1 |                | 0.0   | 3.9  |                   | 0.0   | 1.1  |
| <b>JMZPA2</b>            | <b>46.3</b>                    | -0.7  | 0.5 | <b>172.7</b> | 3.2  | 0.2 | <b>359.7</b>   | -0.4  | 0.1  | <b>51.3</b>       | -1.8  | 0.3  |
|                          |                                | -10.3 | 1.2 |              | 72.7 | 0.6 |                | -98.9 | 1.5  |                   | -36.8 | 1.5  |
| <b>ZTQT9G</b>            | <b>56.7</b>                    | 0.0   | 0.3 | <b>94.3</b>  | -0.2 | 1.1 | <b>418.0</b>   | -0.1  | 0.3  | <b>84.7</b>       | -0.2  | 0.3  |
|                          |                                | 0.0   | 0.6 |              | -5.6 | 3.1 |                | -40.6 | 9.0  |                   | -3.4  | 1.5  |
| <b>9GTK67</b>            | <b>67.2</b>                    | 0.7   | 2.0 | <b>97.2</b>  | -0.1 | 0.6 | <b>431.6</b>   | -0.1  | 2.1  | <b>82.6</b>       | -0.3  | 1.0  |
|                          |                                | 10.5  | 4.3 |              | -2.7 | 1.7 |                | -27.0 | 63.3 |                   | -5.5  | 6.0  |
| <b>8YU8W7</b>            | <b>52.4</b>                    | -0.3  | 0.9 | <b>101.1</b> | 0.1  | 1.3 | <b>557.9</b>   | 0.4   | 1.6  | <b>101.2</b>      | 0.7   | 2.2  |
|                          |                                | -4.3  | 2.0 |              | 1.2  | 3.6 |                | 99.3  | 47.1 |                   | 13.1  | 13.3 |
| <b>V3RMFD</b>            | <b>86.4</b>                    | 1.9   | 1.0 | <b>124.7</b> | 1.1  | 1.2 | <b>1,120.0</b> | 2.4   | 0.3  | <b>113.7</b>      | 1.3   | 0.8  |
|                          |                                | 29.7  | 2.1 |              | 24.7 | 3.2 |                | 661.4 | 10.0 |                   | 25.6  | 5.0  |
| <b>Y26GAB</b>            | <b>46.8</b>                    | -0.6  | 0.1 | <b>99.3</b>  | 0.0  | 0.1 | <b>831.6</b>   | 1.4   | 0.2  | <b>99.0</b>       | 0.5   | 0.2  |
|                          |                                | -9.8  | 0.1 |              | -0.7 | 0.2 |                | 373.0 | 5.1  |                   | 10.9  | 0.9  |
| <b>Grand Median</b>      |                                | 56.7  |     | 99.9         |      |     | 458.6          |       |      | 88.1              |       |      |
| <b>Median Abs Dev</b>    |                                | 9.8   |     | 2.7          |      |     | 98.9           |       |      | 10.9              |       |      |
| <b>Avg Within Lab SD</b> |                                | 2.2   |     | 2.7          |      |     | 30.4           |       |      | 5.9               |       |      |
| <b>Labs Included</b>     |                                | 7     |     | 7            |      |     | 7              |       |      | 7                 |       |      |
| <b>Labs Reporting</b>    |                                | 7     |     | 7            |      |     | 7              |       |      | 7                 |       |      |





## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Cu (SubTestCode 235)     | in the Dry Ash Property Groups |       |      |             |       |      |              |       |      | Data units: mg/kg |       |      |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|--------------|-------|------|-------------------|-------|------|
|                          | SRBSRB1605                     |       |      | SRBSRB1606  |       |      | SRBSRB1607   |       |      |                   |       |      |
| <b>WN8QDL</b>            | <b>5.10</b>                    | 0.00  | 0.27 | <b>2.34</b> | -0.28 | 0.07 | <b>8.77</b>  | -0.40 | 0.43 | <b>3.47</b>       | -0.75 | 0.49 |
|                          |                                | 0.00  | 0.17 |             | -0.66 | 0.07 |              | -0.87 | 0.27 |                   | -2.03 | 0.25 |
| <b>JMZPA2</b>            | <b>6.00</b>                    | 0.31  | 1.65 | <b>5.67</b> | 1.11  | 0.58 | <b>12.00</b> | 1.09  | 1.58 | <b>8.00</b>       | 0.92  | 1.95 |
|                          |                                | 0.90  | 1.00 |             | 2.67  | 0.58 |              | 2.37  | 1.00 |                   | 2.50  | 1.00 |
| <b>ZTQT9G</b>            | <b>2.77</b>                    | -0.79 | 0.41 | <b>3.00</b> | 0.00  | 0.30 | <b>9.27</b>  | -0.17 | 0.09 | <b>8.03</b>       | 0.93  | 0.23 |
|                          |                                | -2.33 | 0.25 |             | 0.00  | 0.30 |              | -0.37 | 0.06 |                   | 2.53  | 0.12 |
| <b>9GTK67</b>            | <b>1.68</b>                    | -1.16 | 1.52 | <b>2.62</b> | -0.16 | 0.21 | <b>10.15</b> | 0.24  | 0.09 | <b>4.35</b>       | -0.42 | 0.70 |
|                          |                                | -3.42 | 0.92 |             | -0.38 | 0.21 |              | 0.51  | 0.06 |                   | -1.15 | 0.36 |
| <b>8YU8W7</b>            | <b>7.00</b>                    | 0.65  | 1.29 | <b>8.60</b> | 2.33  | 2.54 | <b>13.03</b> | 1.56  | 2.01 | <b>7.27</b>       | 0.65  | 1.19 |
|                          |                                | 1.90  | 0.78 |             | 5.60  | 2.52 |              | 3.40  | 1.27 |                   | 1.77  | 0.61 |
| <b>V3RMFD</b>            | <b>5.33</b>                    | 0.08  | 0.25 | <b>3.80</b> | 0.33  | 0.27 | <b>9.63</b>  | 0.00  | 0.51 | <b>5.50</b>       | 0.00  | 0.98 |
|                          |                                | 0.24  | 0.15 |             | 0.80  | 0.26 |              | 0.00  | 0.32 |                   | 0.00  | 0.50 |
| <b>Y26GAB</b>            | <b>0.00</b>                    | -1.73 | 0.00 | <b>1.77</b> | -0.51 | 0.06 | <b>6.85</b>  | -1.28 | 0.08 | <b>2.65</b>       | -1.05 | 0.18 |
|                          |                                | -5.10 | 0.00 |             | -1.23 | 0.06 |              | -2.78 | 0.05 |                   | -2.85 | 0.09 |
| <b>Grand Median</b>      |                                | 5.10  |      | 3.00        |       |      | 9.63         |       |      | 5.50              |       |      |
| <b>Median Abs Dev</b>    |                                | 1.90  |      | 0.80        |       |      | 0.87         |       |      | 2.03              |       |      |
| <b>Avg Within Lab SD</b> |                                | 0.61  |      | 0.99        |       |      | 0.63         |       |      | 0.51              |       |      |
| <b>Labs Included</b>     |                                | 7     |      | 7           |       |      | 7            |       |      | 7                 |       |      |
| <b>Labs Reporting</b>    |                                | 7     |      | 7           |       |      | 7            |       |      | 7                 |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mo (SubTestCode 236)     | in the Dry Ash Property Groups |              |             |              |             |                      | Data units: mg/kg           |
|--------------------------|--------------------------------|--------------|-------------|--------------|-------------|----------------------|-----------------------------|
|                          | SRBSRB1605                     |              | SRBSRB1606  |              | SRBSRB1607  |                      |                             |
| <b>9GTK67</b>            | <b>0.06</b>                    | 0.23<br>0.03 | <b>0.94</b> | 0.94<br>0.05 | <b>3.35</b> | 1.44<br>0.30<br>0.84 | <b>0.26</b><br>0.67<br>0.67 |
| <b>8YU8W7</b>            |                                |              |             |              | <b>2.10</b> | 0.17<br>0.46         | 1.24                        |
| <b>9KRXTW</b>            | <b>0.93</b>                    | 1.39<br>0.15 | <b>1.82</b> | 1.06<br>0.06 | <b>1.72</b> | 0.10                 | 0.07                        |
| <b>Grand Median</b>      |                                | 0.49         |             | 1.38         |             | 2.10                 | 0.30                        |
| <b>Median Abs Dev</b>    |                                |              |             |              |             |                      |                             |
| <b>Avg Within Lab SD</b> |                                | 0.11         |             | 0.06         |             | 0.21                 | 0.06                        |
| <b>Labs Included</b>     |                                | 2            |             | 2            |             | 3                    | 2                           |
| <b>Labs Reporting</b>    |                                | 2            |             | 2            |             | 3                    | 2                           |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| As (SubTestCode 237) <span style="float: right;">Data units: mg/kg</span> |             |       |  |             |       |      |             |       |      |             |       |       |
|---|-------------|-------|--|-------------|-------|------|-------------|-------|------|-------------|-------|-------|
|   | SRBSRB1605  |       |  | SRBSRB1606  |       |      | SRBSRB1607  |       |      |             |       |       |
| <b>2V9A2L</b>   | <b>0.15</b> | 1.72  |  | <b>0.11</b> | 0.91  | 0.00 | <b>0.85</b> | 0.70  | 1.86 | <b>0.11</b> | -0.51 | 0.00  |
|   |             | 0.07  |  |             | 0.00  | 0.00 |             | 0.10  | 0.11 |             | -0.01 | 0.00  |
| <b>ETFYA8</b>   | <b>0.06</b> | 0.15  |  | <b>0.10</b> | -0.43 | 1.39 | <b>0.58</b> | -1.24 | 0.44 | <b>0.07</b> | -2.32 | 1.19  |
|   |             | 0.01  |  |             | 0.00  | 0.01 |             | -0.17 | 0.03 |             | -0.05 | 0.01  |
| <b>2RDHVB</b>   | <b>0.63</b> | 11.17 |  | <b>0.05</b> | -8.91 | 2.60 | <b>1.55</b> | 5.73  | 2.28 | <b>1.26</b> | 50.10 | 81.51 |
|   |             | 0.42  |  |             | -0.05 | 0.02 |             | 0.80  | 0.13 |             | 1.14  | 0.39  |
| <b>M938NJ</b>   |             |       |  | <b>0.10</b> | 0.25  | 1.20 | <b>0.70</b> | -0.33 | 0.48 | <b>0.12</b> | -0.18 | 1.21  |
|   |             |       |  |             | 0.00  | 0.01 |             | -0.05 | 0.03 |             | 0.00  | 0.01  |
| <b>Z4BZ87</b>   |             |       |  | <b>0.10</b> | -0.25 | 1.44 | <b>0.71</b> | -0.27 | 1.34 | <b>0.12</b> | 0.18  | 1.21  |
|   |             |       |  |             | 0.00  | 0.01 |             | -0.04 | 0.08 |             | 0.00  | 0.01  |
| <b>6TTCZZ</b>   | <b>0.02</b> | 0.05  |  | <b>0.11</b> | 1.29  | 0.32 | <b>0.92</b> | 1.24  | 0.52 | <b>0.13</b> | 0.59  | 0.83  |
|   |             | 0.00  |  |             | 0.01  | 0.00 |             | 0.17  | 0.03 |             | 0.01  | 0.00  |
| <b>D84HQR</b>   |             |       |  | <b>0.11</b> | 0.92  | 0.68 | <b>0.79</b> | 0.27  | 0.25 | <b>0.13</b> | 0.28  | 0.98  |
|   |             |       |  |             | 0.01  | 0.00 |             | 0.04  | 0.01 |             | 0.01  | 0.00  |
| <b>Grand Median</b>   |             | 0.057 |  |             | 0.10  |      |             | 0.75  |      |             | 0.12  |       |
| <b>Median Abs Dev</b>   |             |       |  |             | 0.00  |      |             | 0.07  |      |             | 0.01  |       |
| <b>Avg Within Lab SD</b>  |             | 0.038 |  |             | 0.01  |      |             | 0.06  |      |             | 0.00  |       |
| <b>Labs Included</b>  |             | 3     |  |             | 6     |      |             | 6     |      |             | 6     |       |
| <b>Labs Reporting</b>   |             | 3     |  |             | 6     |      |             | 6     |      |             | 6     |       |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ba (SubTestCode 238)     | in the Heavy Metals Property Groups |      |     |             |      |     |             |       |     | Data units: mg/kg |       |     |
|--------------------------|-------------------------------------|------|-----|-------------|------|-----|-------------|-------|-----|-------------------|-------|-----|
|                          | SRBSRB1605                          |      |     | SRBSRB1606  |      |     | SRBSRB1607  |       |     |                   |       |     |
| <b>2V9A2L</b>            | <b>17.9</b>                         | 0.8  | 0.6 | <b>35.8</b> | 0.8  | 0.4 | <b>27.0</b> | 0.6   | 0.2 | <b>80.3</b>       | 0.3   | 0.4 |
|                          |                                     | 1.5  | 0.2 |             | 2.5  | 0.5 |             | 2.7   | 0.5 |                   | 3.0   | 0.8 |
| <b>ETFYA8</b>            | <b>16.0</b>                         | -0.2 | 1.6 | <b>31.7</b> | -0.5 | 0.8 | <b>23.9</b> | -0.1  | 0.3 | <b>73.6</b>       | -0.3  | 0.6 |
|                          |                                     | -0.4 | 0.6 |             | -1.6 | 1.0 |             | -0.4  | 0.8 |                   | -3.7  | 1.1 |
| <b>XD4VUG</b>            | <b>15.0</b>                         | -0.8 | 0.4 | <b>31.1</b> | -0.7 | 0.2 | <b>21.9</b> | -0.5  | 0.6 | <b>68.1</b>       | -0.8  | 0.4 |
|                          |                                     | -1.4 | 0.2 |             | -2.3 | 0.2 |             | -2.5  | 1.4 |                   | -9.2  | 0.8 |
| <b>2RDHVB</b>            | <b>14.5</b>                         | -1.1 | 0.9 | <b>32.0</b> | -0.4 | 2.5 | <b>24.8</b> | 0.1   | 1.5 | <b>64.3</b>       | -1.2  | 0.8 |
|                          |                                     | -1.9 | 0.4 |             | -1.3 | 3.1 |             | 0.4   | 3.4 |                   | -13.1 | 1.6 |
| <b>BX698W</b>            | <b>19.2</b>                         | 1.6  | 0.4 | <b>37.5</b> | 1.3  | 0.3 | <b>25.9</b> | 0.3   | 0.4 | <b>88.1</b>       | 1.0   | 0.8 |
|                          |                                     | 2.8  | 0.1 |             | 4.1  | 0.4 |             | 1.6   | 0.8 |                   | 10.8  | 1.6 |
| <b>M938NJ</b>            | <b>16.2</b>                         | -0.1 | 2.0 | <b>32.1</b> | -0.4 | 0.6 | <b>21.2</b> | -0.7  | 0.5 | <b>70.7</b>       | -0.6  | 0.3 |
|                          |                                     | -0.2 | 0.8 |             | -1.2 | 0.7 |             | -3.2  | 1.1 |                   | -6.6  | 0.6 |
| <b>Z4BZ87</b>            | <b>16.6</b>                         | 0.1  | 0.9 | <b>34.7</b> | 0.4  | 0.1 | <b>26.4</b> | 0.4   | 1.0 | <b>85.7</b>       | 0.7   | 0.8 |
|                          |                                     | 0.2  | 0.3 |             | 1.4  | 0.1 |             | 2.1   | 2.2 |                   | 8.4   | 1.5 |
| <b>6TTCZZ</b>            | <b>16.6</b>                         | 0.1  | 0.8 | <b>34.6</b> | 0.4  | 1.0 | <b>28.8</b> | 0.9   | 2.4 | <b>83.4</b>       | 0.5   | 0.4 |
|                          |                                     | 0.2  | 0.3 |             | 1.2  | 1.2 |             | 4.5   | 5.5 |                   | 6.1   | 0.8 |
| <b>UJKXPB</b>            | <b>15.0</b>                         | -0.8 | 0.3 | <b>31.9</b> | -0.5 | 0.3 | <b>10.4</b> | -2.9  | 0.1 | <b>74.3</b>       | -0.3  | 1.5 |
|                          |                                     | -1.4 | 0.1 |             | -1.5 | 0.4 |             | -13.9 | 0.3 |                   | -3.0  | 3.0 |
| <b>D84HQR</b>            | <b>18.4</b>                         | 1.1  | 0.5 | <b>37.8</b> | 1.4  | 1.1 | <b>23.1</b> | -0.3  | 0.5 | <b>88.7</b>       | 1.0   | 2.2 |
|                          |                                     | 2.0  | 0.2 |             | 4.4  | 1.4 |             | -1.3  | 1.1 |                   | 11.3  | 4.3 |
| <b>Grand Median</b>      |                                     | 16.4 |     | 33.3        |      |     | 24.3        |       |     | 77.3              |       |     |
| <b>Median Abs Dev</b>    |                                     | 1.4  |     | 1.6         |      |     | 2.3         |       |     | 7.5               |       |     |
| <b>Avg Within Lab SD</b> |                                     | 0.4  |     | 1.2         |      |     | 2.3         |       |     | 2.0               |       |     |
| <b>Labs Included</b>     |                                     | 10   |     | 10          |      |     | 10          |       |     | 10                |       |     |
| <b>Labs Reporting</b>    |                                     | 10   |     | 10          |      |     | 10          |       |     | 10                |       |     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Cd (SubTestCode 239)     | in the Heavy Metals Property Groups |        |       |              |        |       |              |        |       |              |        | Data units: mg/kg |
|--------------------------|-------------------------------------|--------|-------|--------------|--------|-------|--------------|--------|-------|--------------|--------|-------------------|
|                          | SRBSRB1605                          |        |       | SRBSRB1606   |        |       | SRBSRB1607   |        |       |              |        |                   |
| <b>2V9A2L</b>            | <b>0.587</b>                        | 1.232  | 0.000 | <b>0.086</b> | 0.690  | 0.615 | <b>1.323</b> | 0.602  | 1.083 | <b>1.365</b> | 1.864  | 0.171             |
|                          |                                     | 0.122  | 0.000 |              | 0.016  | 0.011 |              | 0.080  | 0.056 |              | 0.259  | 0.006             |
| <b>ETFYA8</b>            | <b>0.160</b>                        | -3.083 | 2.806 | <b>0.060</b> | -0.413 | 0.000 | <b>1.020</b> | -1.679 | 0.698 | <b>0.850</b> | -1.850 | 1.099             |
|                          |                                     | -0.305 | 0.208 |              | -0.010 | 0.000 |              | -0.223 | 0.036 |              | -0.257 | 0.040             |
| <b>XD4VUG</b>            | <b>0.429</b>                        | -0.367 | 0.553 |              |        |       | <b>1.170</b> | -0.551 | 0.307 | <b>0.988</b> | -0.855 | 0.306             |
|                          |                                     | -0.036 | 0.041 |              |        |       |              | -0.073 | 0.016 |              | -0.119 | 0.011             |
| <b>2RDHVB</b>            | <b>0.511</b>                        | 0.468  | 0.464 | <b>0.016</b> | -2.291 | 0.832 | <b>1.406</b> | 1.220  | 1.363 | <b>1.171</b> | 0.466  | 1.982             |
|                          |                                     | 0.046  | 0.034 |              | -0.054 | 0.015 |              | 0.162  | 0.070 |              | 0.065  | 0.072             |
| <b>BX698W</b>            | <b>0.515</b>                        | 0.509  | 0.675 | <b>0.039</b> | -1.290 | 2.553 | <b>1.335</b> | 0.690  | 0.442 | <b>1.116</b> | 0.070  | 0.840             |
|                          |                                     | 0.050  | 0.050 |              | -0.030 | 0.045 |              | 0.092  | 0.023 |              | 0.010  | 0.031             |
| <b>M938NJ</b>            | <b>0.465</b>                        | 0.000  | 0.340 | <b>0.070</b> | 0.014  | 0.152 | <b>1.227</b> | -0.125 | 0.296 | <b>1.097</b> | -0.072 | 0.839             |
|                          |                                     | 0.000  | 0.025 |              | 0.000  | 0.003 |              | -0.017 | 0.015 |              | -0.010 | 0.031             |
| <b>Z4BZ87</b>            | <b>0.462</b>                        | -0.034 | 0.149 | <b>0.082</b> | 0.512  | 0.588 | <b>1.180</b> | -0.476 | 2.181 | <b>1.123</b> | 0.120  | 0.965             |
|                          |                                     | -0.003 | 0.011 |              | 0.012  | 0.010 |              | -0.063 | 0.113 |              | 0.017  | 0.035             |
| <b>6TTCZZ</b>            | <b>0.462</b>                        | -0.027 | 0.039 | <b>0.069</b> | -0.014 | 0.184 | <b>1.243</b> | 0.000  | 0.487 | <b>0.999</b> | -0.773 | 0.303             |
|                          |                                     | -0.003 | 0.003 |              | 0.000  | 0.003 |              | 0.000  | 0.025 |              | -0.107 | 0.011             |
| <b>D84HQR</b>            | <b>0.500</b>                        | 0.350  | 0.096 | <b>0.074</b> | 0.171  | 0.088 | <b>1.340</b> | 0.727  | 0.335 | <b>1.107</b> | 0.000  | 1.144             |
|                          |                                     | 0.035  | 0.007 |              | 0.004  | 0.002 |              | 0.097  | 0.017 |              | 0.000  | 0.042             |
| <b>Grand Median</b>      |                                     | 0.47   |       |              | 0.070  |       |              | 1.24   |       |              | 1.11   |                   |
| <b>Median Abs Dev</b>    |                                     | 0.04   |       |              | 0.011  |       |              | 0.08   |       |              | 0.06   |                   |
| <b>Avg Within Lab SD</b> |                                     | 0.07   |       |              | 0.017  |       |              | 0.05   |       |              | 0.04   |                   |
| <b>Labs Included</b>     |                                     | 9      |       |              | 8      |       |              | 9      |       |              | 9      |                   |
| <b>Labs Reporting</b>    |                                     | 9      |       |              | 8      |       |              | 9      |       |              | 9      |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Co (SubTestCode 240)     | in the Heavy Metals Property Groups |        |       |              |        |       |              |        |       | Data units: mg/kg |        |       |
|--------------------------|-------------------------------------|--------|-------|--------------|--------|-------|--------------|--------|-------|-------------------|--------|-------|
|                          | SRBSRB1605                          |        |       | SRBSRB1606   |        |       | SRBSRB1607   |        |       |                   |        |       |
| <b>2V9A2L</b>            | <b>0.113</b>                        | -0.547 | 0.000 | <b>0.025</b> | -0.638 | 0.337 | <b>0.851</b> | 2.898  | 1.691 | <b>0.331</b>      | 0.015  | 0.397 |
|                          |                                     | -0.020 | 0.000 |              | -0.022 | 0.006 |              | 0.352  | 0.086 |                   | 0.001  | 0.006 |
| <b>ETFYA8</b>            | <b>0.133</b>                        | 0.000  | 0.222 | <b>0.047</b> | 0.000  | 0.629 | <b>0.530</b> | 0.259  | 0.523 | <b>0.300</b>      | -0.554 | 1.690 |
|                          |                                     | 0.000  | 0.006 |              | 0.000  | 0.012 |              | 0.032  | 0.026 |                   | -0.030 | 0.026 |
| <b>Z3VZNG</b>            | <b>0.133</b>                        | 0.000  | 0.443 | <b>0.047</b> | 0.000  | 0.314 | <b>0.467</b> | -0.262 | 0.411 | <b>0.270</b>      | -1.112 | 0.639 |
|                          |                                     | 0.000  | 0.012 |              | 0.000  | 0.006 |              | -0.032 | 0.021 |                   | -0.060 | 0.010 |
| <b>XD4VUG</b>            |                                     |        |       |              |        |       | <b>0.544</b> | 0.375  | 0.961 | <b>0.340</b>      | 0.190  | 0.711 |
|                          |                                     |        |       |              |        |       |              | 0.046  | 0.049 |                   | 0.010  | 0.011 |
| <b>2RDHVB</b>            | <b>0.057</b>                        | -2.029 | 1.140 | <b>0.001</b> | -1.346 | 0.000 | <b>0.431</b> | -0.553 | 0.815 | <b>0.178</b>      | -2.816 | 1.963 |
|                          |                                     | -0.076 | 0.030 |              | -0.046 | 0.000 |              | -0.067 | 0.041 |                   | -0.151 | 0.031 |
| <b>BX698W</b>            | <b>0.234</b>                        | 2.676  | 2.686 | <b>0.114</b> | 1.981  | 2.317 | <b>0.545</b> | 0.386  | 1.613 | <b>0.390</b>      | 1.117  | 1.143 |
|                          |                                     | 0.100  | 0.070 |              | 0.067  | 0.043 |              | 0.047  | 0.082 |                   | 0.060  | 0.018 |
| <b>M938NJ</b>            | <b>0.129</b>                        | -0.116 | 0.203 | <b>0.060</b> | 0.403  | 0.976 | <b>0.467</b> | -0.259 | 0.820 | <b>0.313</b>      | -0.312 | 0.255 |
|                          |                                     | -0.004 | 0.005 |              | 0.014  | 0.018 |              | -0.032 | 0.042 |                   | -0.017 | 0.004 |
| <b>Z4BZ87</b>            | <b>0.129</b>                        | -0.116 | 0.214 |              |        |       | <b>0.456</b> | -0.353 | 0.953 | <b>0.329</b>      | -0.015 | 0.111 |
|                          |                                     | -0.004 | 0.006 |              |        |       |              | -0.043 | 0.048 |                   | -0.001 | 0.002 |
| <b>6TTCZZ</b>            | <b>0.145</b>                        | 0.320  | 0.327 | <b>0.059</b> | 0.354  | 0.269 | <b>0.617</b> | 0.973  | 0.870 | <b>0.349</b>      | 0.363  | 0.543 |
|                          |                                     | 0.012  | 0.009 |              | 0.012  | 0.005 |              | 0.118  | 0.044 |                   | 0.020  | 0.009 |
| <b>D84HQR</b>            | <b>0.143</b>                        | 0.267  | 0.222 |              |        |       | <b>0.447</b> | -0.427 | 0.411 | <b>0.343</b>      | 0.252  | 0.737 |
|                          |                                     | 0.010  | 0.006 |              |        |       |              | -0.052 | 0.021 |                   | 0.014  | 0.012 |
| <b>Grand Median</b>      |                                     | 0.13   |       |              | 0.047  |       |              | 0.50   |       |                   | 0.33   |       |
| <b>Median Abs Dev</b>    |                                     | 0.01   |       |              | 0.014  |       |              | 0.05   |       |                   | 0.02   |       |
| <b>Avg Within Lab SD</b> |                                     | 0.03   |       |              | 0.018  |       |              | 0.05   |       |                   | 0.02   |       |
| <b>Labs Included</b>     |                                     | 9      |       |              | 7      |       |              | 10     |       |                   | 10     |       |
| <b>Labs Reporting</b>    |                                     | 9      |       |              | 7      |       |              | 10     |       |                   | 10     |       |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ni (SubTestCode 241)     | in the Heavy Metals Property Groups |       |       |             |       |             |            |      |             |       |      | Data units: mg/kg |
|--------------------------|-------------------------------------|-------|-------|-------------|-------|-------------|------------|------|-------------|-------|------|-------------------|
|                          | SRBSRB1605                          |       |       | SRBSRB1606  |       |             | SRBSRB1607 |      |             |       |      |                   |
| <b>2V9A2L</b>            | <b>0.50</b>                         | 2.07  | 1.13  | <b>0.21</b> | 1.91  | <b>2.71</b> | 1.47       | 0.31 | <b>0.75</b> | -0.45 | 1.13 |                   |
|                          |                                     | 0.15  | 0.06  |             | 0.11  |             | 0.57       | 0.05 |             | -0.05 | 0.11 |                   |
| <b>ETFYA8</b>            | <b>0.38</b>                         | 0.41  | 0.41  | <b>0.30</b> | 0.53  | <b>2.26</b> | 0.30       | 0.25 | <b>0.87</b> | 0.65  | 0.26 |                   |
|                          |                                     | 0.03  | 0.02  |             | 0.03  |             | 0.12       | 0.04 |             | 0.07  | 0.03 |                   |
| <b>XD4VUG</b>            | <b>0.24</b>                         | -1.55 | 0.44  |             |       | <b>2.15</b> | 0.04       | 0.91 | <b>0.70</b> | -0.94 | 0.36 |                   |
|                          |                                     | -0.11 | 0.02  |             |       |             | 0.02       | 0.14 |             | -0.10 | 0.03 |                   |
| <b>2RDHVB</b>            | <b>0.38</b>                         | 0.32  | 1.94  | <b>0.17</b> | 0.18  | <b>2.61</b> | 1.19       | 1.63 | <b>0.99</b> | 1.70  | 1.68 |                   |
|                          |                                     | 0.02  | 0.10  |             | 0.01  |             | 0.47       | 0.25 |             | 0.18  | 0.16 |                   |
| <b>BX698W</b>            | <b>1.03</b>                         | 9.27  | 12.60 | <b>6.01</b> | 19.54 | <b>0.44</b> | -4.34      | 1.06 | <b>0.90</b> | 0.87  | 1.45 |                   |
|                          |                                     | 0.67  | 0.63  |             | 1.10  |             | -1.70      | 0.16 |             | 0.09  | 0.14 |                   |
| <b>M938NJ</b>            | <b>0.35</b>                         | 0.00  | 0.41  |             |       | <b>1.98</b> | -0.40      | 1.46 | <b>0.78</b> | -0.19 | 0.42 |                   |
|                          |                                     | 0.00  | 0.02  |             |       |             | -0.16      | 0.22 |             | -0.02 | 0.04 |                   |
| <b>Z4BZ87</b>            | <b>0.35</b>                         | -0.09 | 0.98  |             |       | <b>1.79</b> | -0.90      | 1.19 | <b>0.75</b> | -0.53 | 0.16 |                   |
|                          |                                     | -0.01 | 0.05  |             |       |             | -0.35      | 0.18 |             | -0.06 | 0.02 |                   |
| <b>6TTCZZ</b>            | <b>0.33</b>                         | -0.28 | 0.70  | <b>0.20</b> | 0.18  | <b>2.56</b> | 1.07       | 0.73 | <b>0.88</b> | 0.74  | 1.80 |                   |
|                          |                                     | -0.02 | 0.04  |             | 0.01  |             | 0.42       | 0.11 |             | 0.08  | 0.17 |                   |
| <b>D84HQR</b>            |                                     |       |       |             |       | <b>2.12</b> | -0.04      | 0.51 | <b>0.82</b> | 0.19  | 0.48 |                   |
|                          |                                     |       |       |             |       |             | -0.02      | 0.08 |             | 0.02  | 0.05 |                   |
| <b>Grand Median</b>      |                                     | 0.35  |       | 0.21        |       |             | 2.14       |      |             | 0.80  |      |                   |
| <b>Median Abs Dev</b>    |                                     | 0.02  |       |             |       |             | 0.25       |      |             | 0.06  |      |                   |
| <b>Avg Within Lab SD</b> |                                     | 0.05  |       | 0.06        |       |             | 0.15       |      |             | 0.10  |      |                   |
| <b>Labs Included</b>     |                                     | 7     |       | 4           |       |             | 8          |      |             | 8     |      |                   |
| <b>Labs Reporting</b>    |                                     | 7     |       | 4           |       |             | 8          |      |             | 8     |      |                   |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Pb (SubTestCode 242) <span style="float: right;">Data units: mg/kg</span> |             |       |      |              |       |      |             |       |      |             |       |      |
|---|-------------|-------|------|--------------|-------|------|-------------|-------|------|-------------|-------|------|
|   | SRBSRB1605  |       |      | SRBSRB1606   |       |      | SRBSRB1607  |       |      |             |       |      |
| <b>2V9A2L</b>   | <b>0.56</b> | -0.46 | 0.48 | <b>5.87</b>  | -0.12 | 0.34 | <b>0.64</b> | 0.00  | 0.71 | <b>0.18</b> | -1.27 | 0.36 |
|   |             | -0.23 | 0.11 |              | -0.26 | 0.54 |             | 0.00  | 0.11 |             | -0.29 | 0.06 |
| <b>ETFYA8</b>   | <b>1.58</b> | 1.57  | 0.24 | <b>6.25</b>  | 0.06  | 0.06 | <b>0.38</b> | -0.36 | 0.13 | <b>0.50</b> | 0.10  | 0.09 |
|   |             | 0.79  | 0.06 |              | 0.12  | 0.10 |             | -0.26 | 0.02 |             | 0.02  | 0.02 |
| <b>XD4VUG</b>   |             |       |      | <b>6.35</b>  | 0.10  |      |             |       |      |             | 0.09  |      |
|   |             |       |      |              | 0.22  | 0.11 |             |       |      |             |       |      |
| <b>2RDHVB</b>   | <b>1.13</b> | 0.68  | 0.08 | <b>5.43</b>  | -0.33 | 0.37 | <b>0.91</b> | 0.38  | 0.87 | <b>0.34</b> | -0.59 | 0.79 |
|   |             | 0.34  | 0.02 |              | -0.70 | 0.59 |             | 0.27  | 0.13 |             | -0.14 | 0.14 |
| <b>8YU8W7</b>   | <b>1.65</b> | 1.71  | 0.91 | <b>10.97</b> | 2.26  | 2.52 | <b>2.57</b> | 2.73  | 2.35 | <b>0.90</b> | 1.84  | 2.10 |
|   |             | 0.85  | 0.21 |              | 4.84  | 3.97 |             | 1.93  | 0.35 |             | 0.43  | 0.36 |
| <b>BX698W</b>   | <b>0.61</b> | -0.38 | 0.90 | <b>0.31</b>  | -2.72 | 0.11 | <b>2.01</b> | 1.94  | 0.80 | <b>0.90</b> | 1.85  | 1.53 |
|   |             | -0.19 | 0.21 |              | -5.82 | 0.17 |             | 1.37  | 0.12 |             | 0.43  | 0.26 |
| <b>M938NJ</b>   | <b>0.80</b> | 0.00  | 2.16 | <b>4.95</b>  | -0.55 | 0.15 | <b>0.57</b> | -0.09 | 0.47 | <b>0.47</b> | -0.02 | 0.28 |
|   |             | 0.00  | 0.51 |              | -1.18 | 0.23 |             | -0.06 | 0.07 |             | 0.00  | 0.05 |
| <b>Z4BZ87</b>   | <b>0.58</b> | -0.42 | 0.36 | <b>6.44</b>  | 0.14  | 0.57 | <b>0.50</b> | -0.19 | 0.40 | <b>0.47</b> | 0.00  | 0.83 |
|   |             | -0.21 | 0.08 |              | 0.31  | 0.90 |             | -0.13 | 0.06 |             | 0.00  | 0.14 |
| <b>6TTCZZ</b>   | <b>0.50</b> | -0.58 | 0.22 | <b>6.13</b>  | 0.00  | 0.17 | <b>0.75</b> | 0.16  | 1.07 | <b>0.53</b> | 0.24  | 0.80 |
|   |             | -0.29 | 0.05 |              | 0.00  | 0.27 |             | 0.11  | 0.16 |             | 0.05  | 0.14 |
| <b>UJKXPB</b>   |             |       |      | <b>5.17</b>  | -0.45 |      |             |       |      |             | 0.80  |      |
|   |             |       |      |              | -0.96 | 0.85 |             |       |      |             |       |      |
| <b>D84HQR</b>   | <b>0.93</b> | 0.26  | 1.49 | <b>7.61</b>  | 0.69  | 1.92 | <b>0.47</b> | -0.23 | 0.17 | <b>0.44</b> | -0.16 | 0.24 |
|   |             | 0.13  | 0.35 |              | 1.48  | 3.03 |             | -0.16 | 0.03 |             | -0.04 | 0.04 |
| <b>Grand Median</b>   |             | 0.80  |      | 6.13         |       |      | 0.64        |       |      | 0.47        |       |      |
| <b>Median Abs Dev</b>   |             | 0.23  |      | 0.70         |       |      | 0.16        |       |      | 0.05        |       |      |
| <b>Avg Within Lab SD</b>  |             | 0.23  |      | 1.58         |       |      | 0.15        |       |      | 0.17        |       |      |
| <b>Labs Included</b>  |             | 9     |      | 11           |       |      | 9           |       |      | 9           |       |      |
| <b>Labs Reporting</b>   |             | 9     |      | 11           |       |      | 9           |       |      | 9           |       |      |





## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Sr (SubTestCode 243)     | in the Heavy Metals Property Groups |       |      |              |       |      |               |         |       | Data units: mg/kg |       |      |
|--------------------------|-------------------------------------|-------|------|--------------|-------|------|---------------|---------|-------|-------------------|-------|------|
|                          | SRBSRB1605                          |       |      | SRBSRB1606   |       |      | SRBSRB1607    |         |       |                   |       |      |
| <b>2V9A2L</b>            | <b>20.31</b>                        | 0.70  | 0.00 | <b>10.73</b> | 1.37  | 0.00 | <b>302.67</b> | 0.70    | 0.20  | <b>94.50</b>      | 0.97  | 0.30 |
|                          |                                     | 1.67  | 0.00 |              | 1.38  | 0.00 |               | 40.11   | 2.52  |                   | 12.31 | 0.62 |
| <b>Z3VZNG</b>            | <b>17.26</b>                        | -0.58 | 0.39 | <b>8.61</b>  | -0.74 | 0.14 | <b>247.44</b> | -0.26   | 0.15  | <b>78.91</b>      | -0.26 | 0.96 |
|                          |                                     | -1.38 | 0.27 |              | -0.74 | 0.09 |               | -15.11  | 1.91  |                   | -3.28 | 1.99 |
| <b>XD4VUG</b>            | <b>17.08</b>                        | -0.66 | 0.30 | <b>8.61</b>  | -0.74 | 0.08 | <b>238.69</b> | -0.42   | 0.23  | <b>75.90</b>      | -0.49 | 0.65 |
|                          |                                     | -1.56 | 0.21 |              | -0.74 | 0.05 |               | -23.87  | 2.87  |                   | -6.29 | 1.34 |
| <b>2RDHVB</b>            | <b>18.64</b>                        | 0.00  | 1.76 | <b>9.16</b>  | -0.20 | 1.94 | <b>277.67</b> | 0.26    | 1.62  | <b>85.47</b>      | 0.26  | 2.04 |
|                          |                                     | 0.00  | 1.22 |              | -0.20 | 1.21 |               | 15.11   | 20.50 |                   | 3.28  | 4.22 |
| <b>BX698W</b>            | <b>21.49</b>                        | 1.20  | 0.38 | <b>9.90</b>  | 0.55  | 0.24 | <b>277.72</b> | 0.27    | 0.18  | <b>92.89</b>      | 0.84  | 0.08 |
|                          |                                     | 2.84  | 0.27 |              | 0.55  | 0.15 |               | 15.17   | 2.30  |                   | 10.69 | 0.17 |
| <b>M938NJ</b>            | <b>18.07</b>                        | -0.24 | 1.17 | <b>8.40</b>  | -0.95 | 0.11 | <b>243.33</b> | -0.34   | 0.37  | <b>75.80</b>      | -0.50 | 0.67 |
|                          |                                     | -0.58 | 0.81 |              | -0.95 | 0.07 |               | -19.22  | 4.73  |                   | -6.39 | 1.39 |
| <b>Z4BZ87</b>            | <b>16.93</b>                        | -0.72 | 0.08 | <b>9.35</b>  | 0.00  | 2.16 | <b>235.33</b> | -0.48   | 2.49  | <b>78.53</b>      | -0.29 | 0.35 |
|                          |                                     | -1.71 | 0.06 |              | 0.00  | 1.34 |               | -27.22  | 31.66 |                   | -3.66 | 0.72 |
| <b>6TTCZZ</b>            | <b>21.33</b>                        | 1.13  | 1.92 | <b>10.07</b> | 0.71  | 0.61 | <b>314.33</b> | 0.91    | 0.73  | <b>106.00</b>     | 1.87  | 0.48 |
|                          |                                     | 2.69  | 1.33 |              | 0.71  | 0.38 |               | 51.78   | 9.29  |                   | 23.81 | 1.00 |
| <b>UJKXPB</b>            |                                     |       |      |              |       |      | <b>116.33</b> | -2.56   | 0.25  | <b>75.00</b>      | -0.56 | 0.84 |
|                          |                                     |       |      |              |       |      |               | -146.22 | 3.21  |                   | -7.19 | 1.73 |
| <b>D84HQR</b>            | <b>20.63</b>                        | 0.84  | 0.68 | <b>10.18</b> | 0.83  | 0.32 | <b>293.67</b> | 0.55    | 0.54  | <b>91.17</b>      | 0.70  | 1.70 |
|                          |                                     | 1.99  | 0.47 |              | 0.83  | 0.20 |               | 31.11   | 6.81  |                   | 8.97  | 3.51 |
| <b>Grand Median</b>      |                                     | 18.6  |      |              | 9.35  |      |               | 262.6   |       |                   | 82.2  |      |
| <b>Median Abs Dev</b>    |                                     | 1.7   |      |              | 0.74  |      |               | 25.5    |       |                   | 6.8   |      |
| <b>Avg Within Lab SD</b> |                                     | 0.7   |      |              | 0.62  |      |               | 12.7    |       |                   | 2.1   |      |
| <b>Labs Included</b>     |                                     | 9     |      |              | 9     |      |               | 10      |       |                   | 10    |      |
| <b>Labs Reporting</b>    |                                     | 9     |      |              | 9     |      |               | 10      |       |                   | 10    |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PH (SubTestCode 301)     | Data units: |       |      |             |       |      |             |       |      |
|--------------------------|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|                          | SRWSRW1604  |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |
| <b>2V9A2L</b>            | <b>7.61</b> | 0.00  | 0.00 | <b>7.93</b> | -0.77 | 0.00 | <b>7.80</b> | -0.80 | 0.00 |
|                          |             | 0.00  | 0.00 |             | -0.15 | 0.00 |             | -0.20 | 0.00 |
| <b>ETFYA8</b>            | <b>7.71</b> | 0.30  | 0.69 | <b>8.11</b> | 0.18  | 0.53 | <b>8.01</b> | 0.03  | 1.35 |
|                          |             | 0.10  | 0.04 |             | 0.03  | 0.02 |             | 0.01  | 0.03 |
| <b>NM37AU</b>            | <b>7.85</b> | 0.73  | 1.28 | <b>8.17</b> | 0.49  | 1.37 | <b>8.11</b> | 0.44  | 1.93 |
|                          |             | 0.24  | 0.07 |             | 0.09  | 0.05 |             | 0.11  | 0.05 |
| <b>KG6H4X</b>            | <b>7.99</b> | 1.13  | 0.11 | <b>8.13</b> | 0.30  | 0.31 | <b>8.05</b> | 0.21  | 0.49 |
|                          |             | 0.38  | 0.01 |             | 0.06  | 0.01 |             | 0.05  | 0.01 |
| <b>ZTQT9G</b>            | <b>7.45</b> | -0.49 | 0.87 | <b>7.89</b> | -0.96 | 0.76 | <b>7.69</b> | -1.24 | 0.73 |
|                          |             | -0.16 | 0.05 |             | -0.18 | 0.03 |             | -0.31 | 0.02 |
| <b>KJBZ3T</b>            | <b>7.79</b> | 0.55  | 1.98 | <b>8.09</b> | 0.09  | 0.76 | <b>8.05</b> | 0.21  | 1.70 |
|                          |             | 0.18  | 0.10 |             | 0.02  | 0.03 |             | 0.05  | 0.04 |
| <b>E8KYJY</b>            | <b>7.47</b> | -0.43 | 0.48 | <b>8.08</b> | 0.00  | 1.46 | <b>7.92</b> | -0.32 | 0.84 |
|                          |             | -0.14 | 0.03 |             | 0.00  | 0.06 |             | -0.08 | 0.02 |
| <b>MFPVJN</b>            | <b>7.49</b> | -0.37 | 0.40 | <b>7.93</b> | -0.79 | 0.67 | <b>7.75</b> | -1.01 | 0.64 |
|                          |             | -0.12 | 0.02 |             | -0.15 | 0.03 |             | -0.25 | 0.02 |
| <b>YNEK8D</b>            | <b>8.16</b> | 1.65  | 2.22 | <b>8.31</b> | 1.24  | 1.99 | <b>8.51</b> | 2.03  | 1.83 |
|                          |             | 0.55  | 0.12 |             | 0.24  | 0.08 |             | 0.51  | 0.04 |
| <b>BX698W</b>            | <b>7.83</b> | 0.65  | 1.56 | <b>8.14</b> | 0.35  | 2.14 | <b>8.03</b> | 0.11  | 0.88 |
|                          |             | 0.22  | 0.08 |             | 0.07  | 0.08 |             | 0.03  | 0.02 |
| <b>Y26GAB</b>            | <b>7.55</b> | -0.19 | 0.29 | <b>7.79</b> | -1.49 | 0.40 | <b>7.67</b> | -1.30 | 0.64 |
|                          |             | -0.06 | 0.02 |             | -0.28 | 0.02 |             | -0.33 | 0.02 |
| <b>ACVHGX</b>            | <b>8.42</b> | 2.44  | 0.59 | <b>8.09</b> | 0.05  | 0.55 | <b>8.14</b> | 0.57  | 0.24 |
|                          |             | 0.81  | 0.03 |             | 0.01  | 0.02 |             | 0.14  | 0.01 |
| <b>6UNU32</b>            | <b>7.53</b> | -0.24 |      | <b>7.87</b> | -1.09 |      | <b>7.74</b> | -1.04 |      |
|                          |             | -0.08 | 0.00 |             | -0.21 | 0.00 |             | -0.26 | 0.00 |
| <b>D79YPQ</b>            | <b>7.53</b> | -0.24 | 0.00 | <b>7.84</b> | -1.23 | 0.15 | <b>7.80</b> | -0.81 | 0.24 |
|                          |             | -0.08 | 0.00 |             | -0.23 | 0.01 |             | -0.20 | 0.01 |
| <b>XJT9V6</b>            | <b>7.38</b> | -0.69 |      | <b>7.87</b> | -1.09 |      | <b>8.00</b> | 0.00  |      |
|                          |             | -0.23 | 0.00 |             | -0.21 | 0.00 |             | 0.00  | 0.00 |
| <b>Grand Median</b>      |             | 7.61  |      | 8.08        |       |      | 8.00        |       |      |
| <b>Median Abs Dev</b>    |             | 0.16  |      | 0.15        |       |      | 0.14        |       |      |
| <b>Avg Within Lab SD</b> |             | 0.05  |      | 0.04        |       |      | 0.02        |       |      |
| <b>Labs Included</b>     |             | 15    |      | 15          |       |      | 15          |       |      |
| <b>Labs Reporting</b>    |             | 15    |      | 15          |       |      | 15          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| EC (SubTestCode 302) <span style="float: right;">Data units: dS/m</span> |             |       |      |             |       |      |             |       |      |
|--|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|  | SRWSRW1604  |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |
| 2V9A2L   | <b>0.25</b> | -0.15 | 0.28 | <b>0.81</b> | -0.02 | 0.00 | <b>0.52</b> | -0.14 | 0.00 |
|  |             | 0.00  | 0.00 |             | 0.00  | 0.00 |             | -0.01 | 0.00 |
| ETFYA8   | <b>0.24</b> | -0.45 | 0.92 | <b>0.78</b> | -0.51 | 0.25 | <b>0.51</b> | -0.31 | 0.18 |
|  |             | -0.01 | 0.00 |             | -0.03 | 0.00 |             | -0.01 | 0.00 |
| NM37AU   | <b>0.25</b> | 0.00  | 3.29 | <b>0.79</b> | -0.23 | 2.87 | <b>0.52</b> | -0.12 | 2.98 |
|  |             | 0.00  | 0.01 |             | -0.02 | 0.03 |             | -0.01 | 0.02 |
| KG6H4X   | <b>0.25</b> | -0.08 | 0.59 | <b>0.81</b> | 0.00  | 0.40 | <b>0.52</b> | 0.00  | 0.52 |
|  |             | 0.00  | 0.00 |             | 0.00  | 0.00 |             | 0.00  | 0.00 |
| ZTQT9G   | <b>0.25</b> | -0.15 |      | <b>0.81</b> | -0.03 | 1.15 | <b>0.52</b> | -0.05 | 1.29 |
|  |             | 0.00  | 0.00 |             | 0.00  | 0.01 |             | 0.00  | 0.01 |
| KJBZ3T   | <b>0.30</b> | 2.16  | 0.00 | <b>0.94</b> | 1.96  | 0.57 | <b>0.62</b> | 2.03  | 1.49 |
|  |             | 0.05  | 0.00 |             | 0.13  | 0.01 |             | 0.09  | 0.01 |
| E8KYJY   | <b>0.24</b> | -0.46 | 1.64 | <b>0.71</b> | -1.56 | 2.07 | <b>0.48</b> | -0.91 | 1.29 |
|  |             | -0.01 | 0.01 |             | -0.10 | 0.02 |             | -0.04 | 0.01 |
| MFPVJN   | <b>0.26</b> | 0.31  | 0.00 | <b>0.83</b> | 0.33  | 0.00 | <b>0.54</b> | 0.38  | 0.00 |
|  |             | 0.01  | 0.00 |             | 0.02  | 0.00 |             | 0.02  | 0.00 |
| YNEK8D   | <b>0.29</b> | 1.74  | 0.30 | <b>0.94</b> | 2.08  | 0.72 | <b>0.61</b> | 1.87  | 0.52 |
|  |             | 0.04  | 0.00 |             | 0.14  | 0.01 |             | 0.09  | 0.00 |
| BX698W   | <b>0.26</b> | 0.12  | 0.00 | <b>0.82</b> | 0.17  | 0.25 | <b>0.53</b> | 0.19  | 0.20 |
|  |             | 0.00  | 0.00 |             | 0.01  | 0.00 |             | 0.01  | 0.00 |
| Y26GAB   | <b>0.22</b> | -1.60 | 0.33 | <b>0.68</b> | -2.03 | 0.06 | <b>0.45</b> | -1.66 | 0.07 |
|  |             | -0.03 | 0.00 |             | -0.13 | 0.00 |             | -0.08 | 0.00 |
| ACVHGX   | <b>0.25</b> | -0.15 |      | <b>0.82</b> | 0.18  | 0.00 | <b>0.53</b> | 0.16  | 0.00 |
|  |             | 0.00  | 0.00 |             | 0.01  | 0.00 |             | 0.01  | 0.00 |
| 6UNU32   | <b>0.26</b> | 0.31  |      | <b>0.85</b> | 0.61  |      | <b>0.57</b> | 0.96  |      |
|  |             | 0.01  | 0.00 |             | 0.04  | 0.00 |             | 0.04  | 0.00 |
| D79YPQ   | <b>0.26</b> | 0.12  | 0.00 | <b>0.80</b> | -0.19 | 0.00 | <b>0.52</b> | -0.11 | 0.00 |
|  |             | 0.00  | 0.00 |             | -0.01 | 0.00 |             | -0.01 | 0.00 |
| XJT9V6   | <b>0.30</b> | 2.30  |      | <b>0.82</b> | 0.22  |      | <b>0.58</b> | 1.22  |      |
|  |             | 0.05  | 0.00 |             | 0.01  | 0.00 |             | 0.06  | 0.00 |
| <b>Grand Median</b>  |             | 0.25  |      | 0.81        |       |      | 0.52        |       |      |
| <b>Median Abs Dev</b>  |             | 0.01  |      | 0.02        |       |      | 0.01        |       |      |
| <b>Avg Within Lab SD</b>   |             | 0.00  |      | 0.01        |       |      | 0.01        |       |      |
| <b>Labs Included</b>   |             | 15    |      | 15          |       |      | 15          |       |      |
| <b>Labs Reporting</b>  |             | 15    |      | 15          |       |      | 15          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Ca (SubTestCode 303) <span style="float: right;">Data units: mmol/L</span> |             |       |      |             |       |      |             |       |      |
|--|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|  | SRWSRW1604  |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |
| <b>2V9A2L</b>  | <b>1.36</b> | -0.02 | 0.28 | <b>6.03</b> | 0.00  | 0.23 | <b>3.68</b> | 0.00  | 0.23 |
|  |             | 0.00  | 0.01 |             | 0.00  | 0.03 |             | 0.00  | 0.02 |
| <b>ETFYA8</b>  | <b>1.51</b> | 0.44  | 0.54 | <b>6.43</b> | 0.30  | 0.17 | <b>4.00</b> | 0.38  | 0.91 |
|  |             | 0.14  | 0.01 |             | 0.39  | 0.03 |             | 0.33  | 0.10 |
| <b>NM37AU</b>  | <b>1.27</b> | -0.27 | 1.82 | <b>5.46</b> | -0.44 | 2.23 | <b>3.23</b> | -0.52 | 2.56 |
|  |             | -0.09 | 0.05 |             | -0.57 | 0.33 |             | -0.45 | 0.27 |
| <b>KG6H4X</b>  | <b>1.52</b> | 0.50  | 1.16 | <b>6.17</b> | 0.11  | 1.38 | <b>3.96</b> | 0.33  | 0.58 |
|  |             | 0.16  | 0.03 |             | 0.14  | 0.21 |             | 0.29  | 0.06 |
| <b>ZTQT9G</b>  | <b>1.27</b> | -0.30 | 2.08 | <b>5.53</b> | -0.39 | 0.39 | <b>3.37</b> | -0.36 | 2.20 |
|  |             | -0.10 | 0.06 |             | -0.50 | 0.06 |             | -0.31 | 0.23 |
| <b>KJBZ3T</b>  | <b>1.53</b> | 0.51  | 0.81 | <b>6.74</b> | 0.54  | 0.12 | <b>4.07</b> | 0.45  | 1.25 |
|  |             | 0.17  | 0.02 |             | 0.70  | 0.02 |             | 0.39  | 0.13 |
| <b>E8KYJY</b>  | <b>1.40</b> | 0.12  | 0.00 | <b>6.19</b> | 0.12  | 0.24 | <b>3.79</b> | 0.13  | 0.10 |
|  |             | 0.04  | 0.00 |             | 0.16  | 0.04 |             | 0.11  | 0.01 |
| <b>MFPVJN</b>  | <b>0.69</b> | -2.09 | 0.04 | <b>2.83</b> | -2.47 | 0.08 | <b>1.82</b> | -2.16 | 0.09 |
|  |             | -0.68 | 0.00 |             | -3.20 | 0.01 |             | -1.86 | 0.01 |
| <b>YNEK8D</b>  | <b>0.96</b> | -1.25 | 0.05 | <b>4.10</b> | -1.49 | 0.07 | <b>2.49</b> | -1.38 | 0.36 |
|  |             | -0.41 | 0.00 |             | -1.93 | 0.01 |             | -1.18 | 0.04 |
| <b>BX698W</b>  | <b>0.69</b> | -2.08 | 0.09 | <b>2.97</b> | -2.37 | 0.06 | <b>1.83</b> | -2.15 | 0.03 |
|  |             | -0.67 | 0.00 |             | -3.06 | 0.01 |             | -1.84 | 0.00 |
| <b>Y26GAB</b>  | <b>1.42</b> | 0.18  | 0.17 | <b>6.12</b> | 0.07  | 0.93 | <b>3.36</b> | -0.37 | 0.23 |
|  |             | 0.06  | 0.00 |             | 0.09  | 0.14 |             | -0.31 | 0.02 |
| <b>ACVHGX</b>  | <b>1.45</b> | 0.27  | 1.08 | <b>6.15</b> | 0.09  | 2.55 | <b>3.84</b> | 0.19  | 0.59 |
|  |             | 0.09  | 0.03 |             | 0.11  | 0.38 |             | 0.16  | 0.06 |
| <b>6UNU32</b>  | <b>1.36</b> | 0.00  | 0.62 | <b>5.98</b> | -0.04 | 0.63 | <b>3.72</b> | 0.05  | 0.34 |
|  |             | 0.00  | 0.02 |             | -0.05 | 0.09 |             | 0.04  | 0.04 |
| <b>D79YPQ</b>  | <b>0.73</b> | -1.95 | 1.85 | <b>3.93</b> | -1.63 | 0.09 | <b>2.39</b> | -1.51 | 0.37 |
|  |             | -0.63 | 0.05 |             | -2.11 | 0.01 |             | -1.29 | 0.04 |
| <b>XJT9V6</b>  | <b>1.41</b> | 0.15  |      | <b>6.11</b> | 0.06  |      | <b>3.80</b> | 0.14  |      |
|  |             | 0.05  | 0.00 |             | 0.08  | 0.00 |             | 0.12  | 0.00 |
| <b>Grand Median</b>  |             | 1.36  |      | 6.03        |       |      | 3.68        |       |      |
| <b>Median Abs Dev</b>  |             | 0.10  |      | 0.39        |       |      | 0.31        |       |      |
| <b>Avg Within Lab SD</b>   |             | 0.03  |      | 0.15        |       |      | 0.11        |       |      |
| <b>Labs Included</b>   |             | 15    |      | 15          |       |      | 15          |       |      |
| <b>Labs Reporting</b>  |             | 15    |      | 15          |       |      | 15          |       |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Mg (SubTestCode 304)     | in the Cations Property Groups |       |      |             |       |      |             |       |      | Data units: mmol/L |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|--------------------|
|                          | SRWSRW1604                     |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |                    |
| 2V9A2L                   | <b>0.54</b>                    | -0.12 | 0.00 | <b>2.27</b> | -0.22 | 0.51 | <b>1.09</b> | -0.14 | 0.65 |                    |
|                          |                                | -0.02 | 0.00 |             | -0.15 | 0.03 |             | -0.05 | 0.02 |                    |
| ETFYA8                   | <b>0.61</b>                    | 0.31  | 0.42 | <b>2.42</b> | 0.00  | 0.09 | <b>1.22</b> | 0.23  | 0.26 |                    |
|                          |                                | 0.05  | 0.01 |             | 0.00  | 0.00 |             | 0.08  | 0.01 |                    |
| NM37AU                   | <b>0.50</b>                    | -0.33 | 2.85 | <b>2.18</b> | -0.37 | 1.90 | <b>0.99</b> | -0.40 | 2.25 |                    |
|                          |                                | -0.06 | 0.08 |             | -0.24 | 0.10 |             | -0.14 | 0.08 |                    |
| KG6H4X                   | <b>0.58</b>                    | 0.15  | 0.94 | <b>2.55</b> | 0.19  | 2.19 | <b>1.22</b> | 0.23  | 2.03 |                    |
|                          |                                | 0.03  | 0.02 |             | 0.13  | 0.11 |             | 0.08  | 0.07 |                    |
| ZTQT9G                   | <b>0.53</b>                    | -0.16 | 2.19 | <b>2.33</b> | -0.13 | 2.24 | <b>1.07</b> | -0.19 | 1.67 |                    |
|                          |                                | -0.03 | 0.06 |             | -0.09 | 0.12 |             | -0.07 | 0.06 |                    |
| KJBZ3T                   | <b>0.62</b>                    | 0.34  | 0.76 | <b>2.67</b> | 0.37  | 0.55 | <b>1.28</b> | 0.39  | 1.37 |                    |
|                          |                                | 0.06  | 0.02 |             | 0.25  | 0.03 |             | 0.14  | 0.05 |                    |
| E8KYJY                   | <b>0.70</b>                    | 0.82  | 0.58 | <b>2.82</b> | 0.59  | 0.22 | <b>1.36</b> | 0.61  | 0.29 |                    |
|                          |                                | 0.14  | 0.02 |             | 0.40  | 0.01 |             | 0.22  | 0.01 |                    |
| MFPVJN                   | <b>0.27</b>                    | -1.72 | 0.04 | <b>1.16</b> | -1.88 | 0.25 | <b>0.55</b> | -1.61 | 0.09 |                    |
|                          |                                | -0.29 | 0.00 |             | -1.26 | 0.01 |             | -0.58 | 0.00 |                    |
| YNEK8D                   | <b>0.30</b>                    | -1.56 | 0.02 | <b>1.32</b> | -1.65 | 0.06 | <b>0.62</b> | -1.43 | 0.03 |                    |
|                          |                                | -0.26 | 0.00 |             | -1.11 | 0.00 |             | -0.52 | 0.00 |                    |
| BX698W                   | <b>0.28</b>                    | -1.68 | 0.03 | <b>1.22</b> | -1.79 | 0.05 | <b>0.58</b> | -1.52 | 0.03 |                    |
|                          |                                | -0.28 | 0.00 |             | -1.20 | 0.00 |             | -0.55 | 0.00 |                    |
| Y26GAB                   | <b>0.56</b>                    | 0.02  | 0.11 | <b>2.52</b> | 0.15  | 0.19 | <b>1.14</b> | 0.00  | 0.53 |                    |
|                          |                                | 0.00  | 0.00 |             | 0.10  | 0.01 |             | 0.00  | 0.02 |                    |
| ACVHGX                   | <b>0.60</b>                    | 0.26  | 0.22 | <b>2.63</b> | 0.31  | 0.78 | <b>1.22</b> | 0.24  | 0.44 |                    |
|                          |                                | 0.04  | 0.01 |             | 0.21  | 0.04 |             | 0.09  | 0.02 |                    |
| 6UNU32                   | <b>0.56</b>                    | 0.00  | 0.26 | <b>2.47</b> | 0.07  | 0.46 | <b>1.19</b> | 0.15  | 0.24 |                    |
|                          |                                | 0.00  | 0.01 |             | 0.05  | 0.02 |             | 0.05  | 0.01 |                    |
| D79YPQ                   | <b>0.12</b>                    | -2.64 | 0.07 | <b>0.88</b> | -2.31 | 0.11 | <b>0.41</b> | -2.01 | 0.21 |                    |
|                          |                                | -0.44 | 0.00 |             | -1.55 | 0.01 |             | -0.73 | 0.01 |                    |
| XJT9V6                   | <b>0.56</b>                    | 0.00  | 0.00 | <b>2.47</b> | 0.07  | 0.00 | <b>1.49</b> | 0.97  | 0.00 |                    |
|                          |                                | 0.00  | 0.00 |             | 0.05  | 0.00 |             | 0.35  | 0.00 |                    |
| <b>Grand Median</b>      |                                | 0.56  |      | 2.42        |       |      | 1.14        |       |      |                    |
| <b>Median Abs Dev</b>    |                                | 0.05  |      | 0.21        |       |      | 0.14        |       |      |                    |
| <b>Avg Within Lab SD</b> |                                | 0.03  |      | 0.05        |       |      | 0.03        |       |      |                    |
| <b>Labs Included</b>     |                                | 15    |      | 15          |       |      | 15          |       |      |                    |
| <b>Labs Reporting</b>    |                                | 15    |      | 15          |       |      | 15          |       |      |                    |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Na (SubTestCode 305)     | in the Cations Property Groups |       |      |             |       |      |             |       |      | Data units: mmol/L |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|--------------------|
|                          | SRWSRW1604                     |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |                    |
| 2V9A2L                   | <b>0.77</b>                    | 0.30  | 0.15 | <b>0.37</b> | 0.06  | 0.05 | <b>0.76</b> | -0.03 | 0.17 |                    |
|                          |                                | 0.02  | 0.01 |             | 0.00  | 0.00 |             | 0.00  | 0.01 |                    |
| ETFYA8                   | <b>0.75</b>                    | -0.15 | 0.36 | <b>0.35</b> | -0.76 | 0.41 | <b>0.72</b> | -0.73 | 0.66 |                    |
|                          |                                | -0.01 | 0.02 |             | -0.02 | 0.01 |             | -0.05 | 0.03 |                    |
| NM37AU                   | <b>0.69</b>                    | -1.04 | 2.27 | <b>0.33</b> | -1.37 | 1.55 | <b>0.62</b> | -2.22 | 0.22 |                    |
|                          |                                | -0.06 | 0.10 |             | -0.04 | 0.04 |             | -0.14 | 0.01 |                    |
| KG6H4X                   | <b>0.54</b>                    | -3.67 | 2.82 | <b>0.31</b> | -1.88 | 2.51 | <b>0.61</b> | -2.32 | 3.37 |                    |
|                          |                                | -0.22 | 0.13 |             | -0.06 | 0.07 |             | -0.15 | 0.15 |                    |
| ZTQT9G                   | <b>0.80</b>                    | 0.76  | 0.00 | <b>0.37</b> | -0.06 | 2.15 | <b>0.77</b> | 0.03  | 1.30 |                    |
|                          |                                | 0.05  | 0.00 |             | 0.00  | 0.06 |             | 0.00  | 0.06 |                    |
| KJBZ3T                   | <b>0.77</b>                    | 0.24  | 0.29 | <b>0.41</b> | 1.43  | 0.24 | <b>0.79</b> | 0.43  | 0.44 |                    |
|                          |                                | 0.01  | 0.01 |             | 0.04  | 0.01 |             | 0.03  | 0.02 |                    |
| E8KYJY                   | <b>0.76</b>                    | 0.03  | 0.13 | <b>0.38</b> | 0.27  | 0.21 | <b>0.78</b> | 0.29  | 0.13 |                    |
|                          |                                | 0.00  | 0.01 |             | 0.01  | 0.01 |             | 0.02  | 0.01 |                    |
| MFPVJN                   | <b>0.70</b>                    | -0.97 | 0.02 | <b>0.35</b> | -0.60 | 0.01 | <b>0.72</b> | -0.62 | 0.05 |                    |
|                          |                                | -0.06 | 0.00 |             | -0.02 | 0.00 |             | -0.04 | 0.00 |                    |
| YNEK8D                   | <b>1.66</b>                    | 15.29 | 0.07 | <b>0.43</b> | 1.96  | 0.00 | <b>1.15</b> | 5.87  | 0.19 |                    |
|                          |                                | 0.90  | 0.00 |             | 0.06  | 0.00 |             | 0.38  | 0.01 |                    |
| BX698W                   | <b>0.77</b>                    | 0.23  | 0.34 | <b>0.39</b> | 0.72  | 0.09 | <b>0.80</b> | 0.55  | 0.17 |                    |
|                          |                                | 0.01  | 0.02 |             | 0.02  | 0.00 |             | 0.04  | 0.01 |                    |
| Y26GAB                   | <b>0.77</b>                    | 0.22  | 0.63 | <b>0.38</b> | 0.26  | 0.12 | <b>0.79</b> | 0.39  | 0.26 |                    |
|                          |                                | 0.01  | 0.03 |             | 0.01  | 0.00 |             | 0.03  | 0.01 |                    |
| ACVHGX                   | <b>0.75</b>                    | -0.03 | 0.26 | <b>0.38</b> | 0.49  | 0.57 | <b>0.75</b> | -0.17 | 0.26 |                    |
|                          |                                | 0.00  | 0.01 |             | 0.01  | 0.02 |             | -0.01 | 0.01 |                    |
| 6UNU32                   | <b>0.74</b>                    | -0.22 | 0.22 | <b>0.36</b> | -0.23 | 0.10 | <b>0.77</b> | 0.07  | 0.09 |                    |
|                          |                                | -0.01 | 0.01 |             | -0.01 | 0.00 |             | 0.00  | 0.00 |                    |
| D79YPQ                   | <b>0.68</b>                    | -1.33 | 0.10 | <b>0.35</b> | -0.61 | 0.23 | <b>0.69</b> | -1.20 | 0.18 |                    |
|                          |                                | -0.08 | 0.00 |             | -0.02 | 0.01 |             | -0.08 | 0.01 |                    |
| XJT9V6                   | <b>0.77</b>                    | 0.25  |      | <b>0.39</b> | 0.71  |      | <b>0.79</b> | 0.39  |      |                    |
|                          |                                | 0.02  | 0.00 |             | 0.02  | 0.00 |             | 0.03  | 0.00 |                    |
| <b>Grand Median</b>      |                                | 0.76  |      |             | 0.37  |      |             | 0.76  |      |                    |
| <b>Median Abs Dev</b>    |                                | 0.01  |      |             | 0.02  |      |             | 0.03  |      |                    |
| <b>Avg Within Lab SD</b> |                                | 0.05  |      |             | 0.03  |      |             | 0.04  |      |                    |
| <b>Labs Included</b>     |                                | 14    |      |             | 14    |      |             | 14    |      |                    |
| <b>Labs Reporting</b>    |                                | 14    |      |             | 14    |      |             | 14    |      |                    |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| K (SubTestCode 306) <span style="float: right;">Data units: mmolc/L</span> |            |        |       |            |        |       |            |        |       |
|--|------------|--------|-------|------------|--------|-------|------------|--------|-------|
|  | SRWSRW1604 |        |       | SRWSRW1605 |        |       | SRWSRW1606 |        |       |
| 2V9A2L   | 0.147      | 0.032  | 0.339 | 0.030      | -0.354 | 0.269 | 0.233      | -0.007 | 0.722 |
| ETFYA8   | 0.141      | 0.000  | 0.002 | 0.028      | -0.002 | 0.001 | 0.145      | 0.000  | 0.004 |
| NM37AU   | 0.140      | -0.440 | 1.465 | 0.040      | -0.748 | 0.398 | 0.197      | -2.671 | 0.766 |
| KJBZ3T   | 0.173      | -0.005 | 0.007 | 0.046      | -0.005 | 0.001 | 0.274      | -0.088 | 0.004 |
| E8KYJY   | 0.157      | -0.526 | 2.221 | 0.033      | 1.161  | 0.000 | 0.240      | -1.120 | 2.319 |
| MFPVJN   | 0.144      | -0.006 | 0.010 | 0.032      | 0.007  | 0.000 | 0.227      | -0.037 | 0.012 |
| YNEK8D   | 0.215      | 2.235  | 0.801 | 0.050      | 2.161  | 1.884 | 0.360      | 1.224  | 1.221 |
| BX698W   | 0.154      | 0.027  | 0.004 | 0.033      | 0.014  | 0.007 | 0.246      | 0.040  | 0.006 |
| Y26GAB   | 0.122      | 0.869  | 1.283 | 0.025      | 0.109  | 1.634 | 0.179      | 0.194  | 0.000 |
| ACVHGX   | 0.147      | 0.010  | 0.006 | 0.026      | 0.001  | 0.006 | 0.227      | 0.006  | 0.000 |
| 6UNU32   | 0.145      | -0.208 | 0.051 | 0.029      | -0.103 | 0.008 | 0.237      | -0.186 | 0.096 |
| D79YPQ   | 0.146      | -0.002 | 0.000 | 0.035      | -0.001 | 0.000 | 0.234      | -0.006 | 0.000 |
| XJT9V6   | 0.158      | 5.710  | 0.060 | 0.035      | 2.791  | 0.050 | 0.246      | 3.843  | 0.060 |
|  |            | 0.068  | 0.000 |            | 0.018  | 0.000 |            | 0.127  | 0.000 |
|  |            | 0.629  | 0.664 |            | 0.103  | 0.060 |            | 0.362  | 0.537 |
|  |            | 0.008  | 0.003 |            | 0.001  | 0.000 |            | 0.012  | 0.003 |
|  |            | -2.044 | 0.300 |            | -1.137 | 0.227 |            | -1.648 | 1.248 |
|  |            | -0.024 | 0.001 |            | -0.007 | 0.001 |            | -0.054 | 0.006 |
|  |            | 0.032  | 1.283 |            | -0.996 | 2.305 |            | -0.210 | 1.159 |
|  |            | 0.000  | 0.006 |            | -0.006 | 0.008 |            | -0.007 | 0.006 |
|  |            | -0.066 | 0.423 |            | -0.531 | 0.393 |            | 0.088  | 0.416 |
|  |            | -0.001 | 0.002 |            | -0.003 | 0.001 |            | 0.003  | 0.002 |
|  |            | -0.032 | 0.400 |            | 0.319  | 0.163 |            | 0.007  | 0.809 |
|  |            | 0.000  | 0.002 |            | 0.002  | 0.001 |            | 0.000  | 0.004 |
|  |            | 0.980  |       |            | 0.372  |       |            | 0.376  |       |
|  |            | 0.012  | 0.000 |            | 0.002  | 0.000 |            | 0.012  | 0.000 |
| <b>Grand Median</b>  |            | 0.15   |       |            | 0.033  |       |            | 0.23   |       |
| <b>Median Abs Dev</b>  |            | 0.01   |       |            | 0.003  |       |            | 0.01   |       |
| <b>Avg Within Lab SD</b>   |            | 0.00   |       |            | 0.004  |       |            | 0.00   |       |
| <b>Labs Included</b>   |            | 12     |       |            | 12     |       |            | 12     |       |
| <b>Labs Reporting</b>  |            | 12     |       |            | 12     |       |            | 12     |       |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| NH4-N (SubTestCode 307)  | in the Cations Property Groups |       |              |       |              |       | Data units: mmolc/L |
|--------------------------|--------------------------------|-------|--------------|-------|--------------|-------|---------------------|
|                          | SRWSRW1604                     |       | SRWSRW1605   |       | SRWSRW1606   |       |                     |
| <b>2V9A2L</b>            | <b>0.017</b>                   | 0.215 |              |       | <b>0.008</b> | 0.107 |                     |
|                          |                                | 0.001 |              |       |              | 0.002 |                     |
| <b>ETFYA8</b>            | <b>0.002</b>                   | 0.276 | <b>0.001</b> | 0.099 | <b>0.001</b> | 0.008 |                     |
|                          |                                | 0.001 |              | 0.000 |              | 0.000 |                     |
| <b>KJBZ3T</b>            | <b>0.088</b>                   | 1.969 | <b>0.098</b> | 1.729 | <b>0.114</b> | 1.997 |                     |
|                          |                                | 0.005 |              | 0.005 |              | 0.039 |                     |
| <b>6UNU32</b>            | <b>0.020</b>                   | 0.000 | <b>0.013</b> | 0.000 | <b>0.005</b> | 0.000 |                     |
|                          |                                | 0.000 |              | 0.000 |              | 0.000 |                     |
| <b>Grand Median</b>      |                                | 0.018 |              | 0.013 |              | 0.006 |                     |
| <b>Median Abs Dev</b>    |                                |       |              |       |              |       |                     |
| <b>Avg Within Lab SD</b> |                                | 0.003 |              | 0.003 |              | 0.019 |                     |
| <b>Labs Included</b>     |                                | 4     |              | 3     |              | 4     |                     |
| <b>Labs Reporting</b>    |                                | 4     |              | 3     |              | 4     |                     |





## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Sum Cations (SubTestCode 308) | in the Cations Property Groups |       |      |             |       |      |             |       |      | Data units: mmolc/L |
|-------------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|---------------------|
|                               | SRWSRW1604                     |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |                     |
| <b>2V9A2L</b>                 | <b>2.83</b>                    | -0.38 | 0.38 | <b>8.71</b> | -0.28 | 1.33 | <b>5.77</b> | -0.30 | 0.22 |                     |
|                               |                                | -0.17 | 0.01 |             | -0.51 | 0.04 |             | -0.32 | 0.02 |                     |
| <b>ETFYA8</b>                 | <b>3.01</b>                    | 0.00  | 0.31 | <b>9.22</b> | 0.00  | 0.90 | <b>6.09</b> | 0.00  | 0.60 |                     |
|                               |                                | 0.00  | 0.01 |             | 0.00  | 0.03 |             | 0.00  | 0.07 |                     |
| <b>KJBZ3T</b>                 | <b>3.18</b>                    | 0.37  | 2.12 | <b>9.96</b> | 0.40  | 1.19 | <b>6.53</b> | 0.41  | 2.14 |                     |
|                               |                                | 0.17  | 0.04 |             | 0.74  | 0.04 |             | 0.44  | 0.23 |                     |
| <b>E8KYJY</b>                 | <b>3.01</b>                    | 0.01  | 0.48 | <b>9.42</b> | 0.10  | 0.66 | <b>6.17</b> | 0.08  | 0.14 |                     |
|                               |                                | 0.00  | 0.01 |             | 0.19  | 0.02 |             | 0.08  | 0.02 |                     |
| <b>MFPVJN</b>                 | <b>1.80</b>                    | -2.62 | 0.11 | <b>4.37</b> | -2.60 | 0.76 | <b>3.33</b> | -2.58 | 0.13 |                     |
|                               |                                | -1.21 | 0.00 |             | -4.85 | 0.02 |             | -2.76 | 0.01 |                     |
| <b>Grand Median</b>           |                                | 3.01  |      | 9.22        |       |      | 6.09        |       |      |                     |
| <b>Median Abs Dev</b>         |                                | 0.17  |      | 0.51        |       |      | 0.32        |       |      |                     |
| <b>Avg Within Lab SD</b>      |                                | 0.02  |      | 0.03        |       |      | 0.11        |       |      |                     |
| <b>Labs Included</b>          |                                | 5     |      | 5           |       |      | 5           |       |      |                     |
| <b>Labs Reporting</b>         |                                | 5     |      | 5           |       |      | 5           |       |      |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SAR (SubTestCode 309)    | in the Cations Property Groups |       |      |             |       |      |             |       |      | Data units: |
|--------------------------|--------------------------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|
|                          | SRWSRW1604                     |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |             |
| <b>2V9A2L</b>            | <b>0.79</b>                    | 0.00  | 0.29 | <b>0.18</b> | 0.00  | 0.00 | <b>0.49</b> | 0.00  | 1.50 |             |
|                          |                                | 0.00  | 0.01 |             | 0.00  | 0.00 |             | 0.00  | 0.01 |             |
| <b>ZTQT9G</b>            | <b>0.83</b>                    | 0.88  | 2.18 | <b>0.20</b> | 1.57  | 0.00 | <b>0.50</b> | 0.54  |      |             |
|                          |                                | 0.04  | 0.06 |             | 0.02  | 0.00 |             | 0.01  | 0.00 |             |
| <b>E8KYJY</b>            | <b>0.74</b>                    | -1.17 | 0.38 | <b>0.18</b> | -0.17 | 0.00 | <b>0.49</b> | -0.36 | 0.00 |             |
|                          |                                | -0.05 | 0.01 |             | 0.00  | 0.00 |             | 0.00  | 0.00 |             |
| <b>YNEK8D</b>            | <b>1.66</b>                    | 18.98 | 0.13 | <b>0.43</b> | 21.50 | 0.06 | <b>1.15</b> | 58.50 | 2.52 |             |
|                          |                                | 0.86  | 0.00 |             | 0.25  | 0.00 |             | 0.65  | 0.01 |             |
| <b>ACVHGX</b>            | <b>0.74</b>                    | -1.18 | 0.17 | <b>0.18</b> | -0.06 | 2.24 | <b>0.47</b> | -1.94 | 1.66 |             |
|                          |                                | -0.05 | 0.00 |             | 0.00  | 0.01 |             | -0.02 | 0.01 |             |
| <b>XJT9V6</b>            | <b>0.80</b>                    | 0.15  |      | <b>0.20</b> | 1.57  |      | <b>0.50</b> | 0.54  |      |             |
|                          |                                | 0.01  | 0.00 |             | 0.02  | 0.00 |             | 0.01  | 0.00 |             |
| <b>Grand Median</b>      |                                | 0.79  |      |             | 0.18  |      |             | 0.49  |      |             |
| <b>Median Abs Dev</b>    |                                | 0.04  |      |             | 0.00  |      |             | 0.01  |      |             |
| <b>Avg Within Lab SD</b> |                                | 0.03  |      |             | 0.00  |      |             | 0.00  |      |             |
| <b>Labs Included</b>     |                                | 5     |      |             | 5     |      |             | 5     |      |             |
| <b>Labs Reporting</b>    |                                | 5     |      |             | 5     |      |             | 5     |      |             |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Adj-SAR (SubTestCode 310) | in the Cations Property Groups |              |             |              |             |              | Data units: |
|---------------------------|--------------------------------|--------------|-------------|--------------|-------------|--------------|-------------|
|                           | SRWSRW1604                     |              | SRWSRW1605  |              | SRWSRW1606  |              |             |
| ZTQT9G                    | <b>0.87</b>                    | 1.00<br>0.06 | <b>0.27</b> | 1.00<br>0.06 | <b>0.67</b> | 1.00<br>0.06 |             |
| <b>Grand Median</b>       |                                | 0.87         |             | 0.27         |             | 0.67         |             |
| <b>Median Abs Dev</b>     |                                |              |             |              |             |              |             |
| <b>Avg Within Lab SD</b>  |                                | 0.06         |             | 0.06         |             | 0.06         |             |
| <b>Labs Included</b>      |                                | 1            |             | 1            |             | 1            |             |
| <b>Labs Reporting</b>     |                                | 1            |             | 1            |             | 1            |             |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| HCO3 (SubTestCode 311)   | in the Anions Property Groups |       |      |              |       |      |              |       |      | Data units: mmolc/L |
|--------------------------|-------------------------------|-------|------|--------------|-------|------|--------------|-------|------|---------------------|
|                          | SRWSRW1604                    |       |      | SRWSRW1605   |       |      | SRWSRW1606   |       |      |                     |
| <b>2V9A2L</b>            | <b>2.42</b>                   | -0.24 | 0.00 | <b>5.43</b>  | -0.39 | 0.00 | <b>5.10</b>  | -0.13 | 0.00 |                     |
|                          |                               | -0.03 | 0.00 |              | -0.08 | 0.00 |              | -0.03 | 0.00 |                     |
| <b>ETFYA8</b>            | <b>2.76</b>                   | 2.33  | 1.46 | <b>5.86</b>  | 1.80  | 0.19 | <b>5.74</b>  | 2.53  | 0.44 |                     |
|                          |                               | 0.31  | 0.04 |              | 0.35  | 0.02 |              | 0.61  | 0.06 |                     |
| <b>NM37AU</b>            | <b>2.44</b>                   | -0.11 | 0.20 | <b>5.44</b>  | -0.34 | 0.47 | <b>5.09</b>  | -0.18 | 0.04 |                     |
|                          |                               | -0.02 | 0.01 |              | -0.07 | 0.05 |              | -0.04 | 0.01 |                     |
| <b>ZTQT9G</b>            | <b>2.40</b>                   | -0.39 | 0.00 | <b>5.73</b>  | 1.16  | 2.37 | <b>4.93</b>  | -0.82 | 1.62 |                     |
|                          |                               | -0.05 | 0.00 |              | 0.23  | 0.23 |              | -0.20 | 0.23 |                     |
| <b>KJBZ3T</b>            | <b>2.33</b>                   | -0.90 | 0.54 | <b>5.34</b>  | -0.85 | 0.35 | <b>4.97</b>  | -0.68 | 0.35 |                     |
|                          |                               | -0.12 | 0.02 |              | -0.17 | 0.03 |              | -0.16 | 0.05 |                     |
| <b>E8KYJY</b>            | <b>2.60</b>                   | 1.12  | 0.00 | <b>5.60</b>  | 0.48  | 0.00 | <b>5.30</b>  | 0.70  | 0.00 |                     |
|                          |                               | 0.15  | 0.00 |              | 0.09  | 0.00 |              | 0.17  | 0.00 |                     |
| <b>MFPVJN</b>            | <b>2.47</b>                   | 0.11  | 2.35 | <b>5.47</b>  | -0.19 | 1.42 | <b>5.19</b>  | 0.23  | 2.25 |                     |
|                          |                               | 0.02  | 0.07 |              | -0.04 | 0.14 |              | 0.06  | 0.32 |                     |
| <b>6UNU32</b>            | <b>2.48</b>                   | 0.19  | 0.00 | <b>5.54</b>  | 0.19  | 0.00 | <b>5.16</b>  | 0.13  | 0.00 |                     |
|                          |                               | 0.03  | 0.00 |              | 0.04  | 0.00 |              | 0.03  | 0.00 |                     |
| <b>XJT9V6</b>            | <b>6.05</b>                   | 27.23 |      | <b>13.65</b> | 41.75 |      | <b>12.60</b> | 30.92 |      |                     |
|                          |                               | 3.60  | 0.00 |              | 8.14  | 0.00 |              | 7.47  | 0.00 |                     |
| <b>Grand Median</b>      |                               | 2.45  |      |              | 5.51  |      |              | 5.13  |      |                     |
| <b>Median Abs Dev</b>    |                               | 0.04  |      |              | 0.09  |      |              | 0.11  |      |                     |
| <b>Avg Within Lab SD</b> |                               | 0.03  |      |              | 0.10  |      |              | 0.14  |      |                     |
| <b>Labs Included</b>     |                               | 8     |      |              | 8     |      |              | 8     |      |                     |
| <b>Labs Reporting</b>    |                               | 8     |      |              | 8     |      |              | 8     |      |                     |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| CI (SubTestCode 313)     | in the Anions Property Groups |       |      |             |       |      |             |       |      | Data units: mmol/L |
|--------------------------|-------------------------------|-------|------|-------------|-------|------|-------------|-------|------|--------------------|
|                          | SRWSRW1604                    |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |                    |
| 2V9A2L                   | <b>0.11</b>                   | -0.16 | 0.00 | <b>0.92</b> | 0.38  | 0.00 | <b>0.17</b> | 0.05  | 0.00 |                    |
|                          |                               | -0.02 | 0.00 |             | 0.09  | 0.00 |             | 0.00  | 0.00 |                    |
| ETFYA8                   | <b>0.11</b>                   | -0.22 | 0.16 | <b>0.83</b> | 0.02  | 0.11 | <b>0.10</b> | -0.55 | 0.07 |                    |
|                          |                               | -0.02 | 0.00 |             | 0.00  | 0.00 |             | -0.06 | 0.00 |                    |
| NM37AU                   | <b>0.20</b>                   | 0.64  | 2.36 | <b>0.74</b> | -0.39 | 2.24 | <b>0.20</b> | 0.30  | 0.63 |                    |
|                          |                               | 0.07  | 0.04 |             | -0.09 | 0.06 |             | 0.03  | 0.02 |                    |
| KG6H4X                   | <b>0.23</b>                   | 0.96  | 2.51 | <b>0.74</b> | -0.36 | 0.34 | <b>0.19</b> | 0.24  | 0.02 |                    |
|                          |                               | 0.10  | 0.04 |             | -0.08 | 0.01 |             | 0.03  | 0.00 |                    |
| ZTQT9G                   | <b>0.10</b>                   | -0.32 | 0.89 | <b>0.88</b> | 0.21  | 2.55 | <b>0.18</b> | 0.12  | 3.54 |                    |
|                          |                               | -0.03 | 0.02 |             | 0.05  | 0.07 |             | 0.01  | 0.09 |                    |
| KJBZ3T                   | <b>0.12</b>                   | -0.07 | 0.27 | <b>0.85</b> | 0.08  | 0.27 | <b>0.11</b> | -0.48 | 0.05 |                    |
|                          |                               | -0.01 | 0.00 |             | 0.02  | 0.01 |             | -0.05 | 0.00 |                    |
| E8KYJY                   | <b>0.13</b>                   | 0.00  | 0.00 | <b>0.81</b> | -0.07 | 1.01 | <b>0.12</b> | -0.41 | 0.00 |                    |
|                          |                               | 0.00  | 0.00 |             | -0.02 | 0.03 |             | -0.04 | 0.00 |                    |
| MFPVJN                   | <b>0.14</b>                   | 0.08  | 0.21 | <b>0.92</b> | 0.38  | 0.22 | <b>0.16</b> | 0.00  | 0.13 |                    |
|                          |                               | 0.01  | 0.00 |             | 0.09  | 0.01 |             | 0.00  | 0.00 |                    |
| YNEK8D                   | <b>0.71</b>                   | 5.55  | 1.98 | <b>0.02</b> | -3.43 | 0.35 | <b>0.83</b> | 6.19  | 0.63 |                    |
|                          |                               | 0.58  | 0.03 |             | -0.80 | 0.01 |             | 0.66  | 0.02 |                    |
| BX698W                   | <b>0.09</b>                   | -0.34 | 0.42 | <b>0.83</b> | 0.00  | 0.39 | <b>0.10</b> | -0.56 | 0.13 |                    |
|                          |                               | -0.04 | 0.01 |             | 0.00  | 0.01 |             | -0.06 | 0.00 |                    |
| Y26GAB                   | <b>0.06</b>                   | -0.63 | 0.00 | <b>1.69</b> | 3.69  | 0.00 | <b>0.06</b> | -0.93 | 0.00 |                    |
|                          |                               | -0.07 | 0.00 |             | 0.86  | 0.00 |             | -0.10 | 0.00 |                    |
| ACVHGX                   | <b>0.14</b>                   | 0.08  | 0.21 | <b>0.89</b> | 0.25  | 0.18 | <b>0.11</b> | -0.54 | 0.13 |                    |
|                          |                               | 0.01  | 0.00 |             | 0.06  | 0.00 |             | -0.06 | 0.00 |                    |
| 6UNU32                   | <b>0.29</b>                   | 1.52  |      | <b>0.45</b> | -1.63 |      | <b>0.29</b> | 1.16  |      |                    |
|                          |                               | 0.16  | 0.00 |             | -0.38 | 0.00 |             | 0.12  | 0.00 |                    |
| XJT9V6                   | <b>0.52</b>                   | 3.75  |      | <b>0.52</b> | -1.31 |      | <b>0.53</b> | 3.41  |      |                    |
|                          |                               | 0.39  | 0.00 |             | -0.31 | 0.00 |             | 0.37  | 0.00 |                    |
| <b>Grand Median</b>      |                               | 0.13  |      |             | 0.83  |      |             | 0.16  |      |                    |
| <b>Median Abs Dev</b>    |                               | 0.03  |      |             | 0.08  |      |             | 0.05  |      |                    |
| <b>Avg Within Lab SD</b> |                               | 0.02  |      |             | 0.03  |      |             | 0.02  |      |                    |
| <b>Labs Included</b>     |                               | 13    |      |             | 13    |      |             | 13    |      |                    |
| <b>Labs Reporting</b>    |                               | 13    |      |             | 13    |      |             | 13    |      |                    |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| <b>NO3 (SubTestCode 314)</b> |             |       |            |              |       |            |             |       |       | <b>Data units: mmol/L</b> |
|------------------------------|-------------|-------|------------|--------------|-------|------------|-------------|-------|-------|---------------------------|
| SRWSRW1604                   |             |       | SRWSRW1605 |              |       | SRWSRW1606 |             |       |       |                           |
| <b>2V9A2L</b>                | <b>0.01</b> | -0.08 | 0.07       | <b>1.26</b>  | -0.21 | 0.68       | <b>0.09</b> | 0.23  | 0.07  |                           |
|                              |             | 0.00  | 0.00       |              | -0.10 | 0.01       |             | 0.01  | 0.00  |                           |
| <b>ETFYA8</b>                | <b>0.01</b> | -0.23 | 0.09       | <b>1.44</b>  | 0.18  | 0.35       | <b>0.07</b> | -0.42 | 0.51  |                           |
|                              |             | -0.01 | 0.00       |              | 0.08  | 0.01       |             | -0.02 | 0.00  |                           |
| <b>NM37AU</b>                | <b>0.08</b> | 1.39  | 3.64       | <b>1.23</b>  | -0.27 | 1.05       | <b>0.11</b> | 0.70  | 3.22  |                           |
|                              |             | 0.06  | 0.03       |              | -0.13 | 0.02       |             | 0.03  | 0.03  |                           |
| <b>KG6H4X</b>                | <b>0.00</b> | -0.37 | 0.07       | <b>0.20</b>  | -2.47 | 0.77       | <b>0.02</b> | -1.62 | 0.20  |                           |
|                              |             | -0.02 | 0.00       |              | -1.16 | 0.02       |             | -0.07 | 0.00  |                           |
| <b>ZTQT9G</b>                | <b>0.01</b> | -0.16 | 0.00       | <b>0.99</b>  | -0.78 | 2.11       | <b>0.08</b> | -0.18 | 0.74  |                           |
|                              |             | -0.01 | 0.00       |              | -0.37 | 0.04       |             | -0.01 | 0.01  |                           |
| <b>KJBZ3T</b>                | <b>0.01</b> | -0.07 | 0.00       | <b>1.44</b>  | 0.17  | 0.54       | <b>0.08</b> | -0.01 | 0.52  |                           |
|                              |             | 0.00  | 0.00       |              | 0.08  | 0.01       |             | 0.00  | 0.00  |                           |
| <b>E8KYJY</b>                | <b>0.02</b> | 0.07  | 0.00       | <b>1.43</b>  | 0.16  | 2.50       | <b>0.09</b> | 0.22  | 1.48  |                           |
|                              |             | 0.00  | 0.00       |              | 0.07  | 0.05       |             | 0.01  | 0.01  |                           |
| <b>MFPVJN</b>                |             |       |            | <b>0.13</b>  | -2.62 | 0.41       | <b>0.09</b> | 0.23  | 0.62  |                           |
|                              |             |       |            |              | -1.23 | 0.01       |             | 0.01  | 0.00  |                           |
| <b>YNEK8D</b>                | <b>0.05</b> | 0.77  | 0.81       | <b>1.39</b>  | 0.06  | 0.63       | <b>0.10</b> | 0.38  | 0.91  |                           |
|                              |             | 0.03  | 0.01       |              | 0.03  | 0.01       |             | 0.02  | 0.01  |                           |
| <b>BX698W</b>                | <b>0.01</b> | -0.19 | 0.03       | <b>1.36</b>  | 0.00  | 0.36       | <b>0.08</b> | 0.00  | 0.32  |                           |
|                              |             | -0.01 | 0.00       |              | 0.00  | 0.01       |             | 0.00  | 0.00  |                           |
| <b>Y26GAB</b>                | <b>0.03</b> | 0.33  | 0.00       | <b>1.40</b>  | 0.09  | 0.00       | <b>0.08</b> | -0.13 | 0.09  |                           |
|                              |             | 0.01  | 0.00       |              | 0.04  | 0.00       |             | -0.01 | 0.00  |                           |
| <b>LWH7TL</b>                | <b>0.30</b> | 6.60  | 9.27       | <b>19.10</b> | 37.87 | 28.20      | <b>1.68</b> | 38.26 | 19.36 |                           |
|                              |             | 0.28  | 0.08       |              | 17.74 | 0.56       |             | 1.60  | 0.15  |                           |
| <b>ACVHGX</b>                | <b>0.08</b> | 1.48  | 0.07       | <b>1.18</b>  | -0.38 | 0.51       | <b>0.00</b> | -1.92 | 0.15  |                           |
|                              |             | 0.06  | 0.00       |              | -0.18 | 0.01       |             | -0.08 | 0.00  |                           |
| <b>6UNU32</b>                | <b>0.14</b> | 2.91  |            | <b>1.39</b>  | 0.06  |            | <b>0.18</b> | 2.30  |       |                           |
|                              |             | 0.12  | 0.00       |              | 0.03  | 0.00       |             | 0.10  | 0.00  |                           |
| <b>D79YPQ</b>                | <b>0.07</b> | 1.12  | 0.28       | <b>1.43</b>  | 0.15  | 0.88       | <b>0.09</b> | 0.07  | 0.09  |                           |
|                              |             | 0.05  | 0.00       |              | 0.07  | 0.02       |             | 0.00  | 0.00  |                           |
| <b>XJT9V6</b>                | <b>0.01</b> | -0.28 |            | <b>0.18</b>  | -2.51 |            | <b>0.01</b> | -1.70 |       |                           |
|                              |             | -0.01 | 0.00       |              | -1.18 | 0.00       |             | -0.07 | 0.00  |                           |
| <b>Grand Median</b>          |             | 0.017 |            |              | 1.36  |            |             | 0.084 |       |                           |
| <b>Median Abs Dev</b>        |             | 0.013 |            |              | 0.08  |            |             | 0.010 |       |                           |
| <b>Avg Within Lab SD</b>     |             | 0.009 |            |              | 0.02  |            |             | 0.008 |       |                           |
| <b>Labs Included</b>         |             | 14    |            |              | 15    |            |             | 15    |       |                           |
| <b>Labs Reporting</b>        |             | 14    |            |              | 15    |            |             | 15    |       |                           |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| SO4 (SubTestCode 315) <span style="float: right;">Data units: mmol/L</span> |             |       |      |             |       |      |             |       |      |
|---|-------------|-------|------|-------------|-------|------|-------------|-------|------|
|   | SRWSRW1604  |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |
| <b>2V9A2L</b>   | <b>0.07</b> | -0.02 | 0.00 | <b>1.05</b> | 0.24  | 0.09 | <b>0.47</b> | 0.14  | 0.08 |
|   |             | 0.00  | 0.00 |             | 0.05  | 0.00 |             | 0.02  | 0.00 |
| <b>ETFYA8</b>   | <b>0.08</b> | 0.26  | 0.17 | <b>1.00</b> | 0.00  | 0.27 | <b>0.45</b> | 0.00  | 0.18 |
|   |             | 0.01  | 0.00 |             | 0.00  | 0.01 |             | 0.00  | 0.00 |
| <b>NM37AU</b>   | <b>0.17</b> | 2.65  | 3.12 | <b>1.14</b> | 0.64  | 2.91 | <b>0.55</b> | 0.94  | 2.84 |
|   |             | 0.10  | 0.07 |             | 0.14  | 0.12 |             | 0.10  | 0.07 |
| <b>KG6H4X</b>   | <b>0.15</b> | 2.16  | 0.41 | <b>1.02</b> | 0.09  | 1.41 | <b>0.45</b> | 0.05  | 1.57 |
|   |             | 0.08  | 0.01 |             | 0.02  | 0.06 |             | 0.01  | 0.04 |
| <b>ZTQT9G</b>   | <b>0.06</b> | -0.29 | 0.27 | <b>0.97</b> | -0.12 | 0.25 | <b>0.43</b> | -0.20 | 0.23 |
|   |             | -0.01 | 0.01 |             | -0.03 | 0.01 |             | -0.02 | 0.01 |
| <b>KJBZ3T</b>   | <b>0.07</b> | 0.02  | 0.03 | <b>1.06</b> | 0.29  | 0.50 | <b>0.48</b> | 0.23  | 0.32 |
|   |             | 0.00  | 0.00 |             | 0.06  | 0.02 |             | 0.03  | 0.01 |
| <b>E8KYJY</b>   |             |       |      | <b>0.98</b> | -0.06 | 0.29 | <b>0.41</b> | -0.38 | 0.47 |
|   |             |       |      |             | -0.01 | 0.01 |             | -0.04 | 0.01 |
| <b>MFPVJN</b>   | <b>0.03</b> | -1.01 | 0.02 | <b>0.48</b> | -2.32 | 0.05 | <b>0.21</b> | -2.13 | 0.03 |
|   |             | -0.04 | 0.00 |             | -0.52 | 0.00 |             | -0.24 | 0.00 |
| <b>6UNU32</b>   | <b>0.06</b> | -0.19 | 0.04 | <b>0.95</b> | -0.21 | 0.20 | <b>0.42</b> | -0.26 | 0.19 |
|   |             | -0.01 | 0.00 |             | -0.05 | 0.01 |             | -0.03 | 0.00 |
| <b>D79YPQ</b>   | <b>0.07</b> | -0.07 | 0.08 | <b>0.42</b> | -2.56 | 0.04 | <b>0.19</b> | -2.32 | 0.16 |
|   |             | 0.00  | 0.00 |             | -0.57 | 0.00 |             | -0.26 | 0.00 |
| <b>XJT9V6</b>   | <b>0.07</b> | 0.08  |      | <b>1.20</b> | 0.89  |      | <b>0.53</b> | 0.76  |      |
|   |             | 0.00  | 0.00 |             | 0.20  | 0.00 |             | 0.08  | 0.00 |
| <b>Grand Median</b>   |             | 0.068 |      |             | 1.00  |      |             | 0.45  |      |
| <b>Median Abs Dev</b>   |             | 0.009 |      |             | 0.05  |      |             | 0.03  |      |
| <b>Avg Within Lab SD</b>  |             | 0.021 |      |             | 0.04  |      |             | 0.02  |      |
| <b>Labs Included</b>  |             | 10    |      |             | 11    |      |             | 11    |      |
| <b>Labs Reporting</b>   |             | 10    |      |             | 11    |      |             | 11    |      |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Sum Anions (SubTestCode 316) | in the Anions Property Groups |       |      |             |       |      |             |       |      | Data units: mmol/L |
|------------------------------|-------------------------------|-------|------|-------------|-------|------|-------------|-------|------|--------------------|
|                              | SRWSRW1604                    |       |      | SRWSRW1605  |       |      | SRWSRW1606  |       |      |                    |
| <b>2V9A2L</b>                | <b>2.61</b>                   | -0.12 | 0.02 | <b>8.66</b> | -0.05 | 0.15 | <b>5.83</b> | 0.00  | 0.01 |                    |
|                              |                               | -0.02 | 0.00 |             | -0.03 | 0.01 |             | 0.00  | 0.00 |                    |
| <b>ETFYA8</b>                | <b>2.95</b>                   | 1.95  | 1.18 | <b>9.13</b> | 0.65  | 0.36 | <b>6.36</b> | 1.83  | 0.41 |                    |
|                              |                               | 0.32  | 0.04 |             | 0.44  | 0.03 |             | 0.53  | 0.06 |                    |
| <b>KJBZ3T</b>                | <b>2.54</b>                   | -0.59 | 0.45 | <b>8.69</b> | 0.00  | 0.67 | <b>5.64</b> | -0.65 | 0.37 |                    |
|                              |                               | -0.10 | 0.02 |             | 0.00  | 0.05 |             | -0.19 | 0.05 |                    |
| <b>E8KYJY</b>                | <b>2.75</b>                   | 0.71  |      | <b>8.83</b> | 0.20  | 1.00 | <b>5.92</b> | 0.31  | 0.13 |                    |
|                              |                               | 0.12  | 0.00 |             | 0.14  | 0.08 |             | 0.09  | 0.02 |                    |
| <b>MFPVJN</b>                | <b>2.63</b>                   | 0.00  | 1.85 | <b>7.00</b> | -2.48 | 1.84 | <b>5.66</b> | -0.58 | 2.16 |                    |
|                              |                               | 0.00  | 0.07 |             | -1.69 | 0.14 |             | -0.17 | 0.32 |                    |
| <b>Grand Median</b>          |                               | 2.63  |      |             | 8.69  |      |             | 5.83  |      |                    |
| <b>Median Abs Dev</b>        |                               | 0.10  |      |             | 0.14  |      |             | 0.17  |      |                    |
| <b>Avg Within Lab SD</b>     |                               | 0.04  |      |             | 0.08  |      |             | 0.15  |      |                    |
| <b>Labs Included</b>         |                               | 5     |      |             | 5     |      |             | 5     |      |                    |
| <b>Labs Reporting</b>        |                               | 5     |      |             | 5     |      |             | 5     |      |                    |





## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Cation-Anion Difference (SubTestCode 317) | in the Difference Calculation Property Groups |       |               |       |               |       | Data units: |
|---|---|-------|---------------|-------|---------------|-------|-------------|
| SRWSRW1604                                | SRWSRW1605                                    |       | SRWSRW1606    |       |               |       |             |
| <b>2V9A2L</b>                             | <b>0.220</b>                                  | 0.174 | <b>0.051</b>  | 0.411 | <b>-0.060</b> | 0.120 |             |
|   |   | 0.008 |               | 0.036 |               | 0.025 |             |
| <b>ETFYA8</b>                             | <b>0.055</b>                                  | 0.832 | <b>0.093</b>  | 0.550 | <b>-0.274</b> | 0.208 |             |
|   |   | 0.038 |               | 0.048 |               | 0.044 |             |
| <b>KJBZ3T</b>                             | <b>0.637</b>                                  | 1.010 | <b>1.276</b>  | 0.173 | <b>0.887</b>  | 1.334 |             |
|   |   | 0.046 |               | 0.015 |               | 0.281 |             |
| <b>MFPVJN</b>                             | <b>-0.837</b>                                 | 1.502 | <b>-2.623</b> | 1.871 | <b>-2.329</b> | 1.470 |             |
|   |   | 0.068 |               | 0.164 |               | 0.309 |             |
| <b>Grand Median</b>                       | 0.14  |       | 0.072         |       | -0.167        |       |             |
| <b>Median Abs Dev</b>                     |   |       |               |       |               |       |             |
| <b>Avg Within Lab SD</b>                  | 0.05  |       | 0.088         |       | 0.210         |       |             |
| <b>Labs Included</b>                      | 4   |       | 4             |       | 4             |       |             |
| <b>Labs Reporting</b>                     | 4   |       | 4             |       | 4             |       |             |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Boron (SubTestCode 318)  |              |        | in the Other Property Groups |              |        |            |              |        | Data units: mg/L |
|--------------------------|--------------|--------|------------------------------|--------------|--------|------------|--------------|--------|------------------|
|                          | SRWSRW1604   |        | SRWSRW1605                   |              |        | SRWSRW1606 |              |        |                  |
| <b>2V9A2L</b>            | <b>0.024</b> | -0.027 | 0.154                        | <b>0.036</b> | 0.097  | 0.166      | <b>0.067</b> | 0.197  | 0.329            |
|                          |              | -0.001 | 0.001                        |              | 0.002  | 0.001      |              | 0.003  | 0.001            |
| <b>ETFYA8</b>            | <b>0.010</b> | -0.783 | 0.193                        | <b>0.020</b> | -0.869 | 0.331      | <b>0.050</b> | -0.824 | 0.429            |
|                          |              | -0.015 | 0.001                        |              | -0.014 | 0.001      |              | -0.014 | 0.002            |
| <b>KG6H4X</b>            | <b>0.038</b> | 0.703  | 1.326                        | <b>0.042</b> | 0.484  | 2.355      | <b>0.068</b> | 0.257  | 2.141            |
|                          |              | 0.013  | 0.009                        |              | 0.008  | 0.008      |              | 0.004  | 0.008            |
| <b>ZTQT9G</b>            | <b>0.067</b> | 2.252  | 1.776                        | <b>0.063</b> | 1.788  | 1.661      | <b>0.100</b> | 2.187  | 0.000            |
|                          |              | 0.042  | 0.012                        |              | 0.029  | 0.006      |              | 0.037  | 0.000            |
| <b>KJBZ3T</b>            | <b>0.030</b> | 0.294  | 0.000                        | <b>0.040</b> | 0.361  | 0.000      | <b>0.067</b> | 0.197  | 1.647            |
|                          |              | 0.006  | 0.000                        |              | 0.006  | 0.000      |              | 0.003  | 0.006            |
| <b>E8KYJY</b>            | <b>0.025</b> | 0.027  | 0.154                        | <b>0.033</b> | -0.087 | 0.332      | <b>0.058</b> | -0.320 | 0.000            |
|                          |              | 0.001  | 0.001                        |              | -0.001 | 0.001      |              | -0.005 | 0.000            |
| <b>MFPVJN</b>            | <b>0.023</b> | -0.098 | 0.089                        | <b>0.033</b> | -0.066 | 0.000      | <b>0.062</b> | -0.101 | 0.165            |
|                          |              | -0.002 | 0.001                        |              | -0.001 | 0.000      |              | -0.002 | 0.001            |
| <b>BX698W</b>            | <b>0.023</b> | -0.070 | 0.063                        | <b>0.035</b> | 0.066  | 0.162      | <b>0.065</b> | 0.101  | 0.157            |
|                          |              | -0.001 | 0.000                        |              | 0.001  | 0.001      |              | 0.002  | 0.001            |
| <b>Y26GAB</b>            | <b>0.057</b> | 1.718  | 2.197                        | <b>0.003</b> | -1.881 | 1.158      | <b>0.035</b> | -1.703 | 1.339            |
|                          |              | 0.032  | 0.014                        |              | -0.031 | 0.004      |              | -0.029 | 0.005            |
| <b>XJT9V6</b>            | <b>0.010</b> | -0.774 | 0.407                        | <b>0.017</b> | -1.045 | 0.288      | <b>0.049</b> | -0.858 | 0.755            |
|                          |              | -0.015 | 0.003                        |              | -0.017 | 0.001      |              | -0.014 | 0.003            |
| <b>Grand Median</b>      |              | 0.025  |                              | 0.034        |        |            | 0.063        |        |                  |
| <b>Median Abs Dev</b>    |              | 0.009  |                              | 0.007        |        |            | 0.005        |        |                  |
| <b>Avg Within Lab SD</b> |              | 0.007  |                              | 0.003        |        |            | 0.004        |        |                  |
| <b>Labs Included</b>     |              | 10     |                              | 10           |        |            | 10           |        |                  |
| <b>Labs Reporting</b>    |              | 10     |                              | 10           |        |            | 10           |        |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| PO4-P Phosphorus - Spec (SubTestCode 319)<br>SRWSRW1604 | in the Other Property Groups |      |              |      |             |      | Data units: mg/L |
|---|------------------------------|------|--------------|------|-------------|------|------------------|
|   | SRWSRW1605                   |      | SRWSRW1606   |      | SRWSRW1606  |      |                  |
| <b>ETFYA8</b>   | <b>0.17</b>                  | 0.00 | <b>0.05</b>  | 0.00 | <b>0.01</b> | 0.08 |                  |
|   |                              | 0.00 |              | 0.00 |             | 0.00 |                  |
| <b>BX698W</b>   | <b>123.33</b>                | 2.00 | <b>32.00</b> | 2.00 | <b>3.00</b> | 0.00 |                  |
|   |                              | 0.58 |              | 1.00 |             | 0.00 |                  |
| <b>Y26GAB</b>   | <b>0.52</b>                  | 0.04 | <b>0.11</b>  | 0.02 | <b>0.03</b> | 1.40 |                  |
|   |                              | 0.01 |              | 0.01 |             | 0.01 |                  |
| <b>D79YPQ</b>   | <b>0.68</b>                  | 0.03 | <b>0.15</b>  | 0.02 | <b>0.09</b> | 1.43 |                  |
|   |                              | 0.01 |              | 0.01 |             | 0.01 |                  |
| <b>Grand Median</b>                                     | 0.60                         |      | 0.13         |      | 0.060       |      |                  |
| <b>Median Abs Dev</b>                                   |                              |      |              |      |             |      |                  |
| <b>Avg Within Lab SD</b>                                | 0.29                         |      | 0.50         |      | 0.007       |      |                  |
| <b>Labs Included</b>                                    | 4                            |      | 4            |      | 4           |      |                  |
| <b>Labs Reporting</b>                                   | 4                            |      | 4            |      | 4           |      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Phosphorus - ICP (Total) (SubTestCode 320) |              |        | in the Other Property Groups |              |        |            |              |        | Data units: mg/L |
|--|--------------|--------|------------------------------|--------------|--------|------------|--------------|--------|------------------|
|  | SRWSRW1604   |        | SRWSRW1605                   |              |        | SRWSRW1606 |              |        |                  |
| <b>2V9A2L</b>                              | <b>0.153</b> | -0.023 | 0.067                        | <b>0.037</b> | 0.022  | 0.482      | <b>0.003</b> | -0.170 | 0.074            |
|  |              | -0.001 | 0.001                        |              | 0.001  | 0.002      |              | -0.007 | 0.001            |
| <b>KJBZ3T</b>                              | <b>0.163</b> | 0.238  | 0.388                        | <b>0.033</b> | -0.058 | 1.390      | <b>0.010</b> | 0.000  | 0.000            |
|  |              | 0.009  | 0.006                        |              | -0.003 | 0.006      |              | 0.000  | 0.000            |
| <b>E8KYJY</b>                              | <b>0.070</b> | -2.122 | 0.671                        |              |        |            |              |        |                  |
|  |              | -0.084 | 0.010                        |              |        |            |              |        |                  |
| <b>MFPVJN</b>                              | <b>0.162</b> | 0.204  | 0.701                        | <b>0.038</b> | 0.051  | 1.411      | <b>0.020</b> | 0.232  | 0.000            |
|  |              | 0.008  | 0.010                        |              | 0.002  | 0.006      |              | 0.010  | 0.000            |
| <b>YNEK8D</b>                              | <b>0.146</b> | -0.202 | 0.187                        | <b>0.027</b> | -0.197 | 0.655      | <b>0.001</b> | -0.215 | 0.040            |
|  |              | -0.008 | 0.003                        |              | -0.009 | 0.003      |              | -0.009 | 0.000            |
| <b>BX698W</b>                              | <b>0.155</b> | 0.023  | 0.123                        | <b>0.035</b> | -0.027 | 0.153      |              |        |                  |
|  |              | 0.001  | 0.002                        |              | -0.001 | 0.001      |              |        |                  |
| <b>6UNU32</b>                              | <b>0.251</b> | 2.467  | 1.780                        | <b>0.237</b> | 4.366  | 1.367      | <b>0.129</b> | 2.755  | 2.234            |
|  |              | 0.098  | 0.027                        |              | 0.201  | 0.006      |              | 0.119  | 0.017            |
| <b>XJT9V6</b>                              | <b>0.149</b> | -0.116 | 1.920                        | <b>0.036</b> | 0.000  | 0.722      |              |        |                  |
|  |              | -0.005 | 0.029                        |              | 0.000  | 0.003      |              |        |                  |
| <b>Grand Median</b>                        |              | 0.15   |                              |              | 0.036  |            |              | 0.010  |                  |
| <b>Median Abs Dev</b>                      |              | 0.01   |                              |              | 0.002  |            |              | 0.009  |                  |
| <b>Avg Within Lab SD</b>                   |              | 0.01   |                              |              | 0.004  |            |              | 0.008  |                  |
| <b>Labs Included</b>                       |              | 8      |                              |              | 7      |            |              | 5      |                  |
| <b>Labs Reporting</b>                      |              | 8      |                              |              | 7      |            |              | 5      |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Nitrogen Combustion (Total) (SubTestCode 322) | in the Other Property Groups |            |             |            |            |            | Data units: mg/L |
|---|------------------------------|------------|-------------|------------|------------|------------|------------------|
|   | SRWSRW1604                   |            | SRWSRW1605  |            | SRWSRW1606 |            |                  |
| <b>ETFYA8</b>                                 | <b>2.0</b>                   | 1.4<br>0.0 | <b>23.8</b> | 1.4<br>0.3 | <b>1.6</b> | 1.0<br>0.0 |                  |
| <b>6UNU32</b>                                 | <b>135.0</b>                 | 0.0        | <b>13.5</b> | 0.0        |            |            |                  |
| <b>Grand Median</b>                           | 68.5                         |            | 18.6        |            | 1.64       |            |                  |
| <b>Median Abs Dev</b>                         |                              |            |             |            |            |            |                  |
| <b>Avg Within Lab SD</b>                      | 0.0                          |            | 0.2         |            | 0.04       |            |                  |
| <b>Labs Included</b>                          | 2                            |            | 2           |            | 1          |            |                  |
| <b>Labs Reporting</b>                         | 2                            |            | 2           |            | 1          |            |                  |



## ALP Program - Participant Web Summary Report - Cycle 30

| Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score | Sample Mean        | Z Score | k Score |
|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Difference W/L STD |         |         | Difference W/L STD |         |         | Difference W/L STD |         |         |

| Total Organic Carbon (SubTestCode 323) | in the Other Property Groups |      |             |      |             |      | Data units: mg/L |
|--|------------------------------|------|-------------|------|-------------|------|------------------|
|  | SRWSRW1604                   |      | SRWSRW1605  |      | SRWSRW1606  |      |                  |
| <b>ETFYA8</b>                          | <b>72.0</b>                  | 1.0  | <b>64.4</b> | 1.0  | <b>62.7</b> | 1.0  |                  |
|  |                              | 0.2  |             | 0.4  |             | 0.2  |                  |
| <b>Grand Median</b>                    |                              | 72.0 |             | 64.4 |             | 62.7 |                  |
| <b>Median Abs Dev</b>                  |                              |      |             |      |             |      |                  |
| <b>Avg Within Lab SD</b>               |                              | 0.2  |             | 0.4  |             | 0.2  |                  |
| <b>Labs Included</b>                   |                              | 1    |             | 1    |             | 1    |                  |
| <b>Labs Reporting</b>                  |                              | 1    |             | 1    |             | 1    |                  |