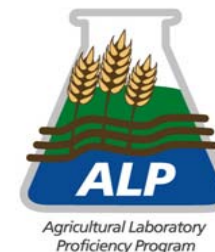


ALP Program

Participant Web Summary Report



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

ALP Program - Summer 2018 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Summer 2018 (Cycle 36) was completed in August 2018, with participation by 104 labs from the United States, Canada, Guatemala, Honduras, South Africa, Italy, Ukraine, Algeria, and the Philippines. Proficiency samples consisted of five soils, four botanical and three water samples. Analytical methods evaluated are based on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry Canada.



Standard Reference Soils (SRS), materials used for the soils program were: SRS1806 a loam collected from Oxford Cty, ON CANADA; SRS1807 a Madison sandy loam collected from Jackson Cty, GA; SRS1808 an Eldean loam collected from Wayne Cty, IN; SRS1809 a Doak loam collected from San Juan Cty, NM; and SRS1810 a Nicollet clay loam collected from Jackson Cty, MN. Standard Reference Botanical (SRB) materials were: SRB1805 eucalyptus leaf from CA; SRB1806 senna leaf composite; SRB1807 potato petiole composite from WA and SRB1808 alfalfa leaf composite from MI. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1804 a creek in WV, SRW1805 irrigation canal in CO, and SRW1806 a surface canal in CO.

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.

Web Summary Report Table of Contents

1	Cover page
2	Special Topics
6	Soil Analyses
144	Botanicals Analyses
201	Water Analyses





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.

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

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.

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



Key to Data Tables

Laboratory Results

Sample Mean	arithmetic mean of the three determinations for the sample-property
Z Score	difference divided by the product of the M.A.D. and 1.48 (rounded)
k Score	laboratory standard deviation divided by the Within Lab Average STD

Consensus Results

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

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



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 36 - Summer 2018

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	25.0	-1.0	0.3	45.4	-1.1	0.3	28.2	-1.0	0.3	26.1	-0.9	0.5	46.6	-0.7	0.1	
3QJ2GA	26.6	-0.6	1.5	41.3	-1.8	0.5	29.3	-0.7	0.9	29.9	0.0	1.4	47.3	-0.6	0.7	
4MBD7C	28.3	-0.2	1.6	50.5	-0.2	0.4	30.7	-0.3	0.2	27.4	-0.6	0.8	52.0	0.2	0.8	
67KPKK	27.6	-0.4	0.4	46.2	-1.0	0.1	29.8	-0.6	0.5	27.5	-0.6	0.9	50.7	0.0	0.4	
7FN7MB	31.0	0.5		52.0	0.0		34.0	0.5		29.0	-0.2		62.0	1.7		
7LU37B	27.7	-0.3	0.6	52.7	0.2	0.4	32.0	0.0		31.0	0.3		53.7	0.4	0.3	
8YWTN9	29.4	0.1	0.1	53.8	0.4	0.5	32.0	0.0	0.5	31.1	0.3	0.4	48.7	-0.4	0.4	
C4VNJ6	32.0	0.7	0.7	53.2	0.3	1.1	32.4	0.1	1.6	30.2	0.1	0.4	59.2	1.2	1.2	
ECGU62	32.0	0.7		53.0	0.2		33.7	0.5	0.5	32.0	0.5		53.0	0.3		
EW63HV	30.6	0.4		49.6	-0.4		35.8	1.0		29.3	-0.2		48.3	-0.4		
GLX3XM	31.7	0.6	1.2	53.0	0.2	0.7	32.3	0.1	1.0	30.0	0.0	1.0	50.0	-0.2	0.6	
GR4XGM	37.2	1.9	0.0	54.7	0.5	0.0	38.7	1.8	0.0	36.2	1.5	0.0	58.6	1.1	0.0	
HVJTVY	28.0	-0.3		41.1	-1.9		30.8	-0.3		28.0	-0.5		48.7	-0.4		
JBUL9U	24.4	-1.1	0.5	51.5	0.0	0.9	28.9	-0.8	0.1	25.4	-1.1	1.1	43.0	-1.2	0.6	
LWLKNN	30.9	0.4	1.0	52.5	0.1	1.3	36.7	1.3	2.8	34.4	1.1	0.7	53.8	0.4	2.8	
NMNUTR	25.7	-0.8	1.3	50.8	-0.2	3.2	29.0	-0.8	1.4	27.6	-0.5	1.3	48.6	-0.4	1.6	
Q6VMQQ	29.3	0.1	1.6	50.0	-0.3	1.4	31.7	-0.1	0.5	30.3	0.1	0.6	49.0	-0.3	0.6	
QB7QMK	27.5	-0.4	0.9	47.7	-0.7	1.2	29.6	-0.6	0.3	28.6	-0.3	0.6	45.7	-0.8	0.3	
RLK63R	23.1	-1.4	0.5	39.1	-2.2	0.7	26.3	-1.5	1.6	23.7	-1.5	1.0	44.8	-0.9	0.8	
TBGGH9	42.0	3.1	0.9	61.2	1.7	0.3	39.5	2.0	0.4	48.7	4.5	1.3	66.7	2.4	0.6	
TJ9W6Q	30.0	0.2	1.0	53.7	0.3	0.4	32.7	0.2	1.0	32.3	0.6	1.5	52.0	0.1	1.1	
TNLTVM	26.7	-0.6	0.6	47.7	-0.7	0.4	30.3	-0.4	0.5	28.0	-0.5	1.0	51.3	0.0	0.3	
TZTN7C	28.9	-0.1	1.4	53.8	0.4	0.4	34.1	0.6	0.4	30.0	0.0	1.1	56.3	0.8	0.7	
UNJ8Y7	31.4	0.5	1.4	58.8	1.3	0.6	34.9	0.8	0.1	31.5	0.4	1.8	60.4	1.4	1.7	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups						Data units: Percent
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	29.1	51.7	32.0	29.9	51.0	
Median Abs Dev	2.1	2.1	2.1	1.9	2.7	
Avg Within Lab SD	1.0	1.5	1.1	1.0	1.8	
Labs Included	24	24	24	24	24	
Labs Reporting	24	24	24	24	24	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH - sp (SubTestCode 102) in the Salinity Property Groups															Data units: Unit	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	5.14	0.39	0.23	5.54	0.23	0.13	6.58	0.31	0.16	7.58	0.68	0.17	6.48	0.39	0.11	
3QJ2GA	5.13	0.35	0.80	5.63	0.58	1.01	6.57	0.27	0.90	7.51	0.33	0.10	6.40	0.00	0.69	
4MBD7C	5.09	0.18	0.23	5.67	0.76	0.39	6.76	1.16	0.09	7.56	0.59	0.17	6.43	0.11	0.11	
7FN7MB	5.13	0.35		5.69	0.85		6.47	-0.23		7.34	-0.47		6.55	0.71		
7LU37B	4.22	-3.46	0.40	5.02	-1.99	0.45	6.30	-1.03	0.53	7.17	-1.28	0.20	5.67	-3.57	2.06	
8YWTN9	5.17	0.52	0.40	5.49	0.00	0.39	6.58	0.32	0.41	7.51	0.36	0.85	6.33	-0.36	0.39	
C4VNJ6	4.87	-0.75	1.33	5.30	-0.81	0.00	6.40	-0.56	0.00	7.30	-0.67	0.00	6.33	-0.34	1.13	
ECGU62	4.96	-0.38	0.35	5.32	-0.71	0.57	6.34	-0.84	0.66	7.43	-0.06	0.52	6.36	-0.19	1.18	
EDTFU3	5.14	0.40	0.32	5.36	-0.56	1.31	6.43	-0.43	0.95	7.46	0.08	0.58	6.29	-0.55	0.31	
EW63HV	5.03	-0.07		5.40	-0.38		6.28	-1.14		7.12	-1.53		6.05	-1.71		
GLX3XM	5.16	0.49	1.41	5.69	0.86	1.72	6.82	1.45	1.65	7.46	0.12	2.40	7.52	5.41X	8.68	
GR4XGM	7.13	8.73X	1.84	7.58	8.84X	0.69	6.77	1.24	1.05	5.99	-6.98X	3.01	5.18	-5.94X	1.78	
HVJTVY	5.00	-0.20		5.50	0.04		6.20	-1.53		7.20	-1.15		6.50	0.47		
JBUL9U	4.93	-0.50	1.09	5.32	-0.73	1.69	6.41	-0.50	0.93	7.50	0.30	0.61	6.37	-0.15	1.12	
LWLKNN	5.07	0.08	1.33	5.40	-0.38	0.00	6.47	-0.24	0.95	7.63	0.94	0.98	6.33	-0.34	1.13	
NMNUTR	4.97	-0.31	2.57	5.62	0.54	1.69	6.52	0.00	3.12	7.38	-0.30	1.02	6.43	0.11	1.77	
Q6VMQQ	5.20	0.63	0.48	5.56	0.31	0.13	6.65	0.63	0.84	7.65	1.04	0.59	6.51	0.52	0.86	
QB7QMK	4.87	-0.74	1.15	5.31	-0.78	1.50	6.14	-1.80	0.25	7.06	-1.82	0.45	6.15	-1.24	0.30	
RLK63R	5.01	-0.15	0.46	5.53	0.16	0.13	6.56	0.23	0.25	7.38	-0.27	0.20	6.46	0.29	0.82	
TBGGH9	4.08	-4.05	0.61	4.72	-3.25	1.63	6.75	1.13	0.82	7.18	-1.26	0.10	6.75	1.70	0.93	
TJ9W6Q	5.00	-0.20	1.15	5.46	-0.14	0.79	6.57	0.24	0.74	7.26	-0.84	2.81	6.54	0.65	1.20	
TNLTVM	5.06	0.07	0.66	5.49	0.00	0.90	6.50	-0.06	0.09	7.45	0.06	0.00	6.25	-0.76	0.23	
TZTN7C	5.18	0.57	0.74	5.68	0.79	0.65	6.55	0.18	0.09	7.58	0.70	0.98	6.41	0.02	0.89	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH - sp (SubTestCode 102) in the Salinity Property Groups						Data units: Unit
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	5.05	5.49	6.52	7.44	6.40	
Median Abs Dev	0.09	0.13	0.10	0.13	0.08	
Avg Within Lab SD	0.04	0.04	0.06	0.06	0.05	
Labs Included	22	22	23	22	21	
Labs Reporting	23	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

ECe - sp (SubTestCode 103) in the Salinity Property Groups															Data units: dS/m		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
	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		
2GC949	0.88	0.33	0.17	0.62	0.03	0.00	2.05	1.03	0.05	2.02	1.06	0.07	0.27	-0.20	0.28		
3QJ2GA	0.79	-0.60	0.48	0.55	-0.91	0.47	1.84	-0.10	0.92	1.50	-1.37	1.52	0.31	0.34	1.13		
4MBD7C	0.91	0.71	0.72	0.59	-0.43	1.10	1.92	0.32	0.28	1.78	-0.08	0.19	0.25	-0.37	0.41		
67KPKK	0.84	-0.07	0.15	0.59	-0.32	0.16	2.02	0.86	0.09	1.91	0.52	1.19	0.34	0.72	0.22		
7FN7MB	0.85	0.05		0.61	-0.11		1.95	0.49		1.92	0.58		0.30	0.20			
7LU37B	0.81	-0.33	0.20	0.56	-0.81	0.12	1.86	0.00	0.04	1.70	-0.44	0.13	0.27	-0.14	0.75		
8YWTN9	0.83	-0.16	0.15	0.57	-0.62	0.33	1.93	0.39	0.61	1.72	-0.32	0.07	0.24	-0.56	0.22		
C4VNJ6	0.87	0.30	0.89	0.63	0.17	0.76	1.78	-0.38	0.75	1.75	-0.21	1.03	0.35	0.79	0.83		
ECGU62	0.69	-1.60	0.06	0.55	-0.89	0.26	1.56	-1.54	0.07	1.59	-0.94	0.07	0.24	-0.56	0.56		
EDTFU3	0.93	0.87	0.08	0.63	0.20	0.16	2.14	1.48	0.21	2.22	1.97	0.18	0.28	-0.09	0.11		
EW63HV	0.95	1.10		0.70	1.07		1.51	-1.81		1.70	-0.43		0.39	1.26			
GLX3XM	0.75	-1.00	0.35	0.57	-0.62	0.52	1.74	-0.63	0.20	1.77	-0.12	0.63	0.29	0.09	0.89		
GR4XGM	0.23	-6.45X	0.00	1.30	9.48X	2.66	1.45	-2.12	0.46	0.50	-5.94X	0.19	0.59	3.66X	9.57		
HVJTVY	0.90	0.58		0.70	1.14		2.00	0.76		1.90	0.49		0.50	2.59			
JBUL9U	0.95	1.14	1.14	0.64	0.35	1.53	1.85	-0.01	1.40	1.93	0.62	2.28	0.24	-0.53	1.83		
LWLKNN	0.74	-1.06	3.85	0.66	0.54	1.41	1.81	-0.22	2.55	1.66	-0.60	0.51	0.35	0.75	1.38		
NMNUTR	0.83	-0.12	0.72	0.47	-2.00	1.73	1.73	-0.64	2.87	1.62	-0.81	0.87	0.24	-0.56	1.21		
Q6VMQQ	0.84	-0.01	0.78	0.69	0.94	1.02	1.87	0.06	0.59	1.82	0.11	1.41	0.24	-0.47	0.40		
QB7QMK	0.86	0.12	0.37	0.73	1.50	0.44	2.03	0.91	0.92	1.93	0.61	1.04	0.32	0.40	1.00		
RLK63R	0.96	1.17	0.74	0.61	-0.15	2.73	1.93	0.37	0.71	1.94	0.68	0.13	0.36	0.91	2.53		
TBGGH9	0.64	-2.13	0.16	0.50	-1.65	0.29	1.64	-1.13	0.24	1.23	-2.57	0.15	0.17	-1.34	0.07		
TJ9W6Q	0.72	-1.36	0.70	0.62	-0.03	1.02	1.82	-0.20	1.02	1.66	-0.61	1.47	0.26	-0.31	0.86		
TNLTVM	0.96	1.17	0.45	0.69	0.95	0.17	2.01	0.81	0.40	1.97	0.80	0.82	0.41	1.55	0.73		
TZTN7C	0.83	-0.20	0.38	0.65	0.50	1.09	1.85	-0.01	0.33	1.83	0.17	0.92	0.39	1.22	0.86		
UNJ8Y7	0.85	0.01	0.66	0.64	0.25	0.37	1.96	0.56	0.22	1.81	0.08	1.65	0.26	-0.24	0.84		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

ECe - sp (SubTestCode 103) in the Salinity Property Groups						Data units: dS/m
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	0.84	0.62	1.86	1.79	0.28	
Median Abs Dev	0.06	0.04	0.11	0.13	0.05	
Avg Within Lab SD	0.07	0.03	0.12	0.08	0.02	
Labs Included	24	24	25	24	24	
Labs Reporting	25	25	25	25	25	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

HCO ₃ -sp (SubTestCode 104) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	0.40	0.32	0.00	0.67	-0.18	0.46	1.60	-0.73	0.00	1.40	-0.98	0.00	1.83	-0.25	0.17	
3QJ2GA	0.80	1.85	0.50	1.10	0.41	0.52	2.29	0.05	0.62	2.14	-0.04	0.55	2.43	0.25	0.27	
67KPKK	0.26	-0.20	0.27	1.23	0.59	0.66	3.01	0.85	0.06	2.46	0.36	1.00	3.11	0.83	1.09	
C4VNJ6	1.00	2.62	2.55	1.60	1.09	2.81	2.21	-0.05	1.99	2.21	0.04	2.45	2.81	0.57	2.66	
GR4XGM	0.21	-0.40	0.07	0.47	-0.44	0.38	1.21	-1.16	0.13	1.45	-0.92	0.21	1.35	-0.66	0.15	
LWLKNN	0.27	-0.16	0.95	0.39	-0.56	0.36	0.74	-1.69	1.00	0.98	-1.51	0.35	0.77	-1.15	0.36	
QB7QMK	0.32	0.00	0.73	2.50	2.30	0.69	2.70	0.50	2.00	2.38	0.26	1.27	3.56	1.20	0.95	
RLK63R	0.40	0.32	0.00	0.87	0.09	0.46	2.40	0.17	0.00	2.33	0.20	0.41	1.73	-0.33	0.67	
TBGGH9				0.07	-0.99	0.06	0.94	-1.47	0.45	1.21	-1.22	0.28	0.95	-0.99	0.13	
TNLTVM	0.27	-0.19	0.85	0.73	-0.09	0.46	2.33	0.09	0.66	3.13	1.21	0.82	2.73	0.51	0.34	

HCO ₃ -sp (SubTestCode 104) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median		0.32			0.80			2.25				2.18			2.13	
Median Abs Dev		0.08			0.37			0.55				0.51			0.73	
Avg Within Lab SD		0.14			0.25			0.17				0.14			0.34	
Labs Included		9			10			10				10			10	
Labs Reporting		9			10			10				10			10	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	0.45	0.63	0.59	0.87	0.10	0.22	0.74	0.20	0.24	0.64	-0.02	1.00	0.09	-0.11	0.27	
4MBD7C	0.51	1.69	2.31	0.79	-0.72	2.29	0.79	0.75	0.20	0.74	1.13	0.74	0.14	0.78	0.96	
67KPKK	0.42	-0.03	0.16	0.86	0.00	0.21	0.73	0.12	0.19	0.70	0.58	0.38	0.11	0.20	0.04	
7FN7MB	0.46	0.73		1.04	2.10		0.79	0.71		0.80	1.78					
7LU37B	0.37	-0.86	0.30	0.72	-1.61	1.08	0.65	-0.73	0.08	0.58	-0.77	0.21	0.08	-0.23	0.12	
8YWTN9	0.41	-0.22	0.24	0.87	0.19	0.30	0.70	-0.19	0.10	0.63	-0.14	0.74	0.08	-0.33	0.39	
C4VNJ6	0.40	-0.40	0.64	0.80	-0.68	0.11	0.65	-0.75	0.68	0.60	-0.56	0.74	0.12	0.49	2.18	
ECGU62	0.35	-1.18	0.24	0.80	-0.64	0.20	0.63	-0.99	0.20	0.58	-0.71	0.19	0.07	-0.39	0.39	
EDTFU3	0.48	1.10	0.55	0.90	0.52	0.92	0.72	0.03	0.57	0.75	1.23	1.05	0.10	0.00	0.18	
EW63HV	0.29	-2.40		0.74	-1.37		0.51	-2.25		0.59	-0.60		0.03	-1.09		
GR4XGM	0.42	0.08	0.48	0.79	-0.76	0.34	0.62	-1.03	0.39	0.57	-0.91	0.37	0.18	1.53	0.78	
LWLKNN	0.47	0.97	1.74	0.96	1.18	0.34	0.83	1.17	3.22	0.68	0.44	0.81	0.18	1.53	1.41	
Q6VMQQ	0.38	-0.64	0.97	0.94	0.91	0.69	0.72	-0.02	0.45	0.66	0.17	0.85				
QB7QMK	0.42	0.03	0.92	0.89	0.35	1.03	0.74	0.21	0.97	0.67	0.32	1.30	0.10	0.00	0.80	
TBGGH9	0.43	0.12	0.60	0.86	0.00	0.86	0.90	1.86	1.22	0.77	1.38	1.33	0.22	2.10	1.63	
TJ9W6Q	0.40	-0.34	0.00	0.80	-0.64	0.00	0.67	-0.57	0.99	0.57	-0.91	1.86				
TZTN7C	0.39	-0.58	1.47	0.83	-0.26	2.44	0.67	-0.54	0.78	0.60	-0.48	1.77				
UNJ8Y7	0.43	0.14	1.35	0.86	0.08	0.30	0.72	0.02	0.52	0.65	0.02	0.67				

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.42			0.86			0.72			0.65			0.10			
Median Abs Dev	0.03			0.06			0.06			0.05			0.02			
Avg Within Lab SD	0.02			0.05			0.06			0.03			0.01			
Labs Included	18			18			18			18			13			
Labs Reporting	18			18			18			18			13			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca - sp (SubTestCode 106) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	5.85	1.27	0.48	3.00	1.70	0.45	14.63	1.62	0.21	12.57	1.36	0.90	2.04	0.00	0.43	
3QJ2GA	4.68	-0.19	0.88	2.37	0.00	0.56	11.17	-0.22	0.42	9.38	-0.36	0.57	2.66	1.01	1.00	
4MBD7C	5.53	0.88	0.65	2.28	-0.24	1.07	14.40	1.50	1.08	11.40	0.73	0.81	1.84	-0.34	0.65	
67KPKK	5.47	0.80	0.26	2.41	0.12	0.34	15.07	1.85	0.76	12.95	1.56	0.06	2.40	0.60	0.75	
7FN7MB	4.90	0.09		2.50	0.35		11.90	0.17		10.90	0.46		2.15	0.18		
7LU37B	4.40	-0.53	0.42	2.02	-0.94	0.38	11.40	-0.10	0.02	9.21	-0.45	0.30	1.61	-0.72	0.31	
8YWTN9	4.83	0.00	0.15	2.20	-0.45	0.32	12.58	0.53	0.73	10.20	0.08	0.45	1.62	-0.70	0.38	
C4VNJ6	4.41	-0.53	1.28	2.34	-0.09	1.01	10.01	-0.83	1.13	8.99	-0.57	0.51	2.06	0.03	1.96	
ECGU62	4.09	-0.93	0.16	2.20	-0.46	0.06	11.58	0.00	0.07	9.41	-0.34	0.04	1.36	-1.12	0.16	
EDTFU3	5.44	0.76	0.89	2.57	0.53	0.22	12.06	0.25	0.43	11.88	0.98	0.28	1.40	-1.06	0.74	
EW63HV	4.68	-0.19		2.32	-0.13		8.44	-1.67		9.06	-0.53		2.48	0.72		
GR4XGM	3.17	-2.08	0.47	1.42	-2.57	0.14	7.23	-2.31	0.35	6.05	-2.16	0.57	1.24	-1.33	0.15	
LWLKNN	4.55	-0.35	0.93	2.42	0.15	1.91	10.59	-0.53	2.29	9.19	-0.46	0.54	2.37	0.54	1.58	
NMNUTR	5.59	0.95	0.79	2.32	-0.14	1.62	12.80	0.65	2.51	10.52	0.25	1.11	2.04	0.00	0.85	
Q6VMQQ	4.26	-0.72	0.86	2.50	0.36	2.03	11.03	-0.29	0.59	9.82	-0.13	0.83	1.82	-0.37	0.54	
QB7QMK	5.42	0.73	0.77	3.47	2.96	0.90	13.92	1.24	0.73	11.63	0.85	1.49	2.32	0.46	1.14	
QZKP6P	5.08	0.31		2.55	0.49		11.42	-0.09		10.05	0.00		1.60	-0.73		
RLK63R	5.37	0.67	0.98	2.33	-0.10	1.19	12.03	0.24	0.08	11.33	0.69	0.34	2.33	0.48	1.89	
TBGGH9	3.78	-1.31	0.37	1.75	-1.68	0.57	11.34	-0.13	0.14	7.83	-1.19	0.84	1.41	-1.05	0.31	
TJ9W6Q	4.07	-0.94	0.44	2.20	-0.46	0.29	11.40	-0.10	0.59	8.65	-0.76	0.60	1.37	-1.12	0.57	
TNLTVM	5.07	0.30	0.65	2.93	1.52	1.19	12.17	0.31	0.34	11.73	0.91	0.19	2.93	1.47	1.56	
TZTN7C	4.33	-0.62	2.16	2.37	0.00	1.53	11.23	-0.19	1.67	9.94	-0.06	2.55	2.45	0.67	1.35	
UNJ8Y7	5.14	0.38	2.54	2.39	0.06	0.32	12.91	0.70	0.44	11.16	0.60	2.27	1.54	-0.83	0.26	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca - sp (SubTestCode 106) in the Salinity Property Groups						Data units: mmolc/L
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	4.83	2.37	11.6	10.1	2.04	
Median Abs Dev	0.54	0.13	0.6	1.1	0.42	
Avg Within Lab SD	0.23	0.17	0.7	0.6	0.13	
Labs Included	23	23	23	23	23	
Labs Reporting	23	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg - sp (SubTestCode 107) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	2.14	1.63	0.51	1.88	1.76	0.44	4.39	2.40	0.19	3.38	2.05	1.37	0.98	0.20	0.58	
3QJ2GA	1.73	-0.07	1.40	1.55	-0.10	1.58	3.32	-0.30	1.18	2.46	-0.49	1.90	1.13	0.79	1.64	
4MBD7C	2.06	1.29	0.36	1.36	-1.17	0.59	3.61	0.44	0.20	2.79	0.41	0.70	0.78	-0.59	0.48	
67KPKK	1.87	0.51	0.44	1.64	0.40	0.22	3.74	0.77	0.01	2.84	0.55	0.74	1.17	0.96	1.05	
7FN7MB	1.93	0.77		1.87	1.72		3.89	1.14		3.19	1.53		1.16	0.92		
7LU37B	1.60	-0.59	0.32	1.35	-1.25	0.17	3.18	-0.65	0.11	2.38	-0.70	0.22	0.83	-0.39	0.46	
8YWTN9	1.69	-0.22	0.19	1.49	-0.45	0.39	3.50	0.16	0.59	2.52	-0.31	0.59	0.74	-0.76	0.34	
C4VNJ6	1.65	-0.40	0.51	1.45	-0.66	1.53	2.84	-1.52	0.93	2.27	-1.00	0.50	0.92	-0.03	1.49	
ECGU62	1.42	-1.34	0.06	1.43	-0.75	0.06	3.11	-0.83	0.10	2.29	-0.95	0.09	0.63	-1.20	0.08	
EDTFU3	1.93	0.79	0.80	1.65	0.49	0.40	3.48	0.10	0.52	2.99	0.97	0.56	0.65	-1.10	0.21	
EW63HV	1.84	0.40		1.39	-1.00		2.48	-2.42		2.46	-0.49		1.04	0.45		
GR4XGM	1.03	-2.95X	0.45	0.81	-4.28X	0.10	2.00	-3.62X	0.34	1.41	-3.38X	0.79	0.43	-1.99X	0.08	
LWLKNN	1.74	-0.01	1.43	1.60	0.17	1.66	3.36	-0.19	2.67	2.53	-0.30	0.72	1.13	0.79	0.51	
NMNUTR	2.16	1.70	1.02	1.58	0.10	2.05	3.66	0.55	2.12	2.78	0.39	0.98	0.99	0.26	0.66	
Q6VMQQ	1.72	-0.08	1.02	1.53	-0.19	0.62	3.37	-0.17	1.38	2.60	-0.11	0.90	0.90	-0.10	0.66	
QB7QMK	1.66	-0.34	0.76	1.66	0.52	0.39	3.52	0.20	0.53	2.68	0.11	0.95	0.89	-0.17	0.70	
QZKP6P	1.89	0.60		1.63	0.36		3.55	0.28		2.79	0.42		0.76	-0.67		
RLK63R	1.87	0.51	0.65	1.50	-0.38	0.97	3.30	-0.35	0.39	2.80	0.45	0.00	1.10	0.68	2.68	
TBGGH9	1.49	-1.04	0.46	1.42	-0.85	0.63	3.40	-0.10	0.35	2.06	-1.58	0.86	0.94	0.03	0.28	
TJ9W6Q	1.53	-0.86	0.65	1.43	-0.75	0.56	3.23	-0.52	0.99	2.37	-0.75	1.19	0.70	-0.91	0.00	
TNLTVM	2.03	1.19	0.65	1.80	1.32	0.00	3.73	0.75	0.91	2.93	0.82	0.45	1.43	2.01	0.77	
TZTN7C	1.63	-0.48	2.41	1.61	0.23	1.88	3.17	-0.67	0.12	2.53	-0.30	1.90	1.22	1.16	1.55	
UNJ8Y7	1.75	0.01	1.84	1.61	0.23	0.73	3.58	0.35	0.30	2.70	0.16	1.54	0.76	-0.68	0.43	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg - sp (SubTestCode 107) in the Salinity Property Groups						Data units: mmolc/L
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	1.74	1.57	3.44	2.64	0.93	
Median Abs Dev	0.13	0.09	0.19	0.18	0.17	
Avg Within Lab SD	0.09	0.10	0.25	0.13	0.07	
Labs Included	22	22	22	22	22	
Labs Reporting	23	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na - sp (SubTestCode 108) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	0.20	-0.10	0.11	0.60	-0.04	0.06	1.04	0.24	0.36	4.17	0.64	0.73	0.17	-0.64	0.03	
3QJ2GA	0.20	-0.11	0.46	0.56	-0.29	0.37	0.85	-1.12	0.41	3.17	-1.34	0.50	0.30	0.59	0.66	
4MBD7C	0.28	0.61	0.61	0.57	-0.24	0.72	1.06	0.38	0.42	4.02	0.35	0.39	0.23	-0.09		
67KPKK	0.21	0.00	0.41	0.63	0.24	0.73	1.02	0.09	0.29	3.99	0.28	0.34	0.20	-0.39	0.17	
7FN7MB				0.73	1.05		1.04	0.26		4.44	1.17		0.24	0.00		
7LU37B	0.21	-0.02	0.38	0.51	-0.70	0.16	0.87	-0.94	0.18	3.42	-0.86	0.23	0.24	0.03	0.32	
8YWTN9	0.15	-0.59	0.00	0.52	-0.65	0.16										
C4VNJ6	0.26	0.48	0.34	0.67	0.54	0.33	0.99	-0.07	0.57	3.71	-0.27	0.98	0.51	2.48	0.77	
ECGU62	0.31	0.96	1.18	0.65	0.40	0.42	1.01	0.07	1.04	3.86	0.02	0.13	0.44	1.86	3.55	
EDTFU3	0.18	-0.31	0.03	0.62	0.20	0.29	0.97	-0.25	0.25	4.05	0.40	0.56	0.21	-0.29	0.27	
EW63HV	0.16	-0.52		0.50	-0.81		0.74	-1.91		3.24	-1.21		0.13	-1.01		
GR4XGM	0.18	-0.34	0.34	0.42	-1.43	0.09	0.65	-2.53	0.30	2.46	-2.76	0.61	0.17	-0.62	0.09	
LWLKNN	0.53	3.04	1.69	0.80	1.62	3.14	1.30	2.12	2.96	3.50	-0.69	2.55	0.27	0.25	0.94	
NMNUTR	0.12	-0.84	1.38	0.52	-0.65	0.54	1.02	0.14	0.79	3.67	-0.36	1.31	0.20	-0.35	0.32	
Q6VMQQ				0.66	0.49	0.82	1.05	0.31	2.30	4.04	0.38	0.83				
QB7QMK	0.17	-0.40	0.41	0.57	-0.26	0.36	0.95	-0.41	0.49	3.96	0.21	0.48	0.21	-0.24	1.19	
QZKP6P	0.46	2.35		0.80	1.62		1.07	0.48		4.03	0.36		0.46	2.04		
RLK63R	0.20	-0.12	0.00	0.60	0.00	1.57	0.93	-0.50	0.65	3.90	0.10	0.56	0.20	-0.37	0.00	
TBGGH9	0.36	1.40	0.62	0.79	1.55	0.37	1.13	0.91	0.32	3.21	-1.26	0.82	0.36	1.13	0.58	
TJ9W6Q	0.23	0.18	1.94	0.48	-0.99	0.00	0.83	-1.27	0.49	3.09	-1.51	0.50	0.14	-0.89	0.42	
TNLTVM	0.23	0.20	1.69	0.60	0.00	0.00	0.96	-0.33	0.13	3.77	-0.16	0.64	0.24	0.03	0.19	
TZTN7C	0.29	0.69	0.21	0.70	0.78	1.94	0.98	-0.14	0.32	4.09	0.49	1.92	0.31	0.65	0.00	
UNJ8Y7	0.31	0.92	2.11	0.72	0.97	1.03	1.05	0.36	1.02	3.84	-0.02	1.33	0.26	0.22	0.47	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na - sp (SubTestCode 108) in the Salinity Property Groups						Data units: mmolc/L
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	0.21	0.60	1.00	3.85	0.24	
Median Abs Dev	0.05	0.08	0.05	0.20	0.04	
Avg Within Lab SD	0.03	0.06	0.09	0.18	0.06	
Labs Included	21	23	22	22	21	
Labs Reporting	21	23	22	22	21	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SAR - sp (SubTestCode 109) in the Salinity Property Groups														Data units: value		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	0.10	-0.48	0.00	0.40	-0.34	0.00	0.30	-0.85	0.00	1.50	0.25		0.10	-0.98	0.00	
3QJ2GA	0.11	-0.32	0.38	0.40	-0.31	0.16	0.31	-0.60	0.32	1.30	-1.07	0.56	0.22	0.09	0.37	
4MBD7C	0.14	0.04	0.41	0.42	-0.12	0.52	0.35	0.00	0.34	1.51	0.34	0.18	0.20	-0.13	0.11	
67KPKK	0.11	-0.34	0.30	0.44	0.12	0.80	0.33	-0.32	0.12	1.42	-0.29	0.29	0.15	-0.55	0.18	
7FN7MB				0.49	0.64		0.37	0.34		1.66	1.34		0.19	-0.18		
7LU37B	0.12	-0.22	0.41	0.39	-0.41	0.30	0.32	-0.45	0.19	1.42	-0.29	0.15	0.22	0.09	0.27	
C4VNJ6	0.15	0.22	0.48	0.49	0.60	0.15	0.39	0.73	0.19	1.56	0.66	0.70	0.42	1.85	0.36	
ECGU62	0.19	0.66	1.04	0.48	0.56	0.60	0.37	0.39	1.03	1.60	0.91	0.09	0.44	2.09	3.37	
EW63HV	0.09	-0.64		0.37	-0.66		0.32	-0.51		1.35	-0.76		0.10	-0.99		
GR4XGM	0.12	-0.18	0.24	0.40	-0.34	0.00	0.30	-0.79	0.19	1.27	-1.30	0.31	0.19	-0.18	0.00	
LWLKNN	0.29	2.02	2.19	0.58	1.58	3.03	0.48	2.26	2.53	1.44	-0.13	3.16	0.22	0.09	0.54	
Q6VMQQ	0.29	2.02		0.47	0.42	1.04	0.39	0.68	2.36	1.62	1.09	0.32				
QB7QMK	0.09	-0.62	0.41	0.36	-0.81	0.40	0.32	-0.56	0.39	1.48	0.12	0.31	0.17	-0.36	0.83	
QZKP6P	0.25	1.49		0.55	1.29		0.39	0.68		1.59	0.86		0.42	1.88		
TBGGH9	0.22	1.12	0.57	0.63	2.15	0.70	0.42	1.12	0.35	1.45	-0.12	0.31	0.33	1.11	0.54	
TJ9W6Q				0.36	-0.81	0.15				1.32	-0.99	0.18				
TNLTVM	0.13	-0.04	2.39	0.40	-0.34	0.00	0.30	-0.85	0.00	1.40	-0.42	0.00	0.20	-0.09	0.00	
TZTN7C	0.17	0.37	0.29	0.49	0.64	1.63	0.37	0.34	0.58	1.64	1.20	1.62	0.23	0.13	0.11	

SAR - sp (SubTestCode 109) in the Salinity Property Groups														Data units: value		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.14			0.43			0.35			1.46			0.21			
Median Abs Dev	0.03			0.05			0.04			0.11			0.03			
Avg Within Lab SD	0.02			0.04			0.03			0.07			0.06			
Labs Included	16			18			17			18			16			
Labs Reporting	16			18			17			18			16			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cl - sp (SubTestCode 110) in the Salinity Property Groups

Data units: mmolc/L

WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
2GC949	0.37	0.08	0.96	1.23	0.04	0.06	1.12	0.46	0.16	2.59	0.54	0.57	0.13	-1.36	0.59
3QJ2GA	0.32	-0.35	0.91	1.00	-0.78	0.66	0.72	-1.22	0.77	1.47	-1.32	1.34	0.31	0.21	0.82
4MBD7C	0.45	0.71	1.05	1.28	0.19	0.64	1.10	0.38	0.42	2.54	0.45	0.53	0.31	0.25	0.79
67KPKK	0.31	-0.44	1.04	0.91	-1.10	3.00	0.92	-0.36	0.23	2.27	0.00	0.10	0.21	-0.66	0.19
7FN7MB	0.40	0.29		1.52	1.04		1.27	1.11		2.62	0.59		0.38	0.82	
C4VNJ6	0.31	-0.39	0.18	1.13	-0.33	0.67	0.81	-0.84	0.22	1.88	-0.65	0.74	0.26	-0.24	0.54
E6GCUV	0.34	-0.19	0.59	1.36	0.49	0.56	1.08	0.33	0.48	2.61	0.58	1.75	0.32	0.27	0.67
ECGU62	0.30	-0.49	0.00	1.10	-0.42	0.55	0.90	-0.46	0.16	2.20	-0.12	0.11	0.29	0.01	2.71
EDTFU3	0.58	1.66	1.46	1.35	0.46	0.73	1.12	0.46	1.05	2.73	0.77	0.25	0.42	1.19	0.72
GLX3XM	0.44	0.61	1.04	1.11	-0.40	0.15	0.92	-0.36	0.45	1.52	-1.24	0.71	0.26	-0.19	0.38
GR4XGM	0.38	0.16	0.66	1.04	-0.65	0.29	0.88	-0.53	0.21	1.56	-1.18	0.53	0.28	-0.07	0.36
HVJTVY	1.40	8.06X		2.30	3.77X		2.10	4.61X		3.30	1.72X		1.20	7.86X	
LWLKNN	0.73	2.85	1.76	1.62	1.38	2.30	1.28	1.17	0.77	2.52	0.42	0.47	0.79	4.31	1.78
NMNUTR	0.34	-0.19	0.32	0.92	-1.06	0.60	0.84	-0.70	1.28	1.93	-0.57	0.95	0.28	-0.01	0.34
Q6VMQQ				1.37	0.50	0.61	1.33	1.35	2.58	2.66	0.66	2.47			
QB7QMK	0.36	-0.03	0.59	1.38	0.54	0.35	1.16	0.65	0.12	2.54	0.44	0.93	0.29	0.02	0.80
RLK63R	0.30	-0.49	0.00	0.77	-1.60	0.55	0.60	-1.71	0.00	1.40	-1.45	0.00	0.23	-0.44	1.36
TBGGH9	0.23	-1.03	0.28	1.01	-0.75	0.35	0.95	-0.25	0.40	1.54	-1.22	0.12	0.20	-0.71	0.52
TJ9W6Q	0.37	0.03	1.82	1.07	-0.55	0.55	0.83	-0.73	2.18	1.53	-1.22	1.62	0.20	-0.73	0.00
TNLTVM	0.64	2.15	1.45	1.54	1.11	0.51	1.20	0.80	0.37	2.45	0.31	1.07	0.36	0.64	0.62
TZTN7C				1.45	0.79	0.60	1.01	0.00	0.32	2.31	0.07	0.92			
UNJ8Y7				1.22	0.00	0.96	1.07	0.28	1.85	2.05	-0.36	0.64			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cl - sp (SubTestCode 110) in the Salinity Property Groups						Data units: mmolc/L
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	0.36	1.22	1.01	2.27	0.29	
Median Abs Dev	0.05	0.16	0.13	0.35	0.04	
Avg Within Lab SD	0.03	0.10	0.10	0.14	0.04	
Labs Included	18	21	21	21	18	
Labs Reporting	19	22	22	22	19	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SO4 - sp (SubTestCode 111) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949				2.75	-0.23	0.44	1.03	-0.06	0.15	3.13	0.45	1.00	0.64	0.03	0.22	
3QJ2GA	0.13	0.18	0.11	3.04	0.22	1.59	1.09	0.25	0.50	2.48	-1.02	2.02	0.62	-0.12	0.83	
4MBD7C				3.14	0.37	0.95	1.03	-0.03	0.40	3.04	0.24	0.76	0.43	-1.51	0.36	
67KPKK	0.09	-0.12	0.11	3.26	0.54	1.09	1.13	0.40	0.69	2.93	0.00	0.62	0.65	0.13	0.39	
7FN7MB				4.04	1.73		1.09	0.23		3.19	0.59		0.65	0.11		
C4VNJ6	0.10	-0.01	1.62	2.56	-0.51	1.05	0.69	-1.56	0.15	2.07	-1.94	0.61	0.33	-2.27	0.76	
E6GCUV	0.09	-0.09	0.45	2.58	-0.48	0.78	1.04	0.00	0.43	2.96	0.07	0.16	0.73	0.68	1.41	
ECGU62	0.11	0.01	0.12	2.31	-0.90	0.06	0.91	-0.60	0.11	2.58	-0.79	0.12	0.55	-0.62	0.00	
GR4XGM	0.15	0.34	0.84	1.79	-1.68	0.39	0.76	-1.28	0.81	1.93	-2.26	0.93	0.65	0.09	0.43	
LWLKNN	0.59	3.36	2.66	2.17	-1.12	1.27	1.71	3.03	3.28	2.57	-0.81	0.37	0.94	2.27	2.29	
NMNUTR	0.14	0.22	0.32	3.02	0.18	0.56	1.17	0.57	1.45	2.51	-0.95	0.78	0.53	-0.75	0.77	
Q6VMQQ				3.05	0.23	0.84	1.04	0.00	0.91	3.01	0.19	0.08	0.58	-0.43	0.20	
QB7QMK	0.08	-0.16	0.58	2.59	-0.47	0.46	0.96	-0.37	0.49	2.92	-0.03	0.77	0.64	0.00	1.24	
RLK63R	0.07	-0.27	0.24	3.43	0.81	1.15	1.00	-0.18		2.93	0.01	0.41	0.63	-0.01	0.77	
TBGGH9	0.06	-0.31	0.02	2.81	-0.13	0.75	0.91	-0.58	0.29	2.09	-1.90	0.71	0.55	-0.63	0.06	
TJ9W6Q	0.53	2.98	1.20	2.90	0.00	0.00	1.63	2.67	0.55	3.33	0.91	1.09	0.87	1.70	0.77	
TNLTVM	0.09	-0.10	0.21	3.88	1.50	0.16	1.14	0.45	0.62	3.14	0.48	0.12	0.69	0.43	0.08	
TZTN7C	0.29	1.29	1.18	3.76	1.31	2.56	1.14	0.44	0.67	2.98	0.12	2.39	0.76	0.94	2.30	
UNJ8Y7				2.64	-0.40	0.26	1.01	-0.14	0.19	2.91	-0.05	1.32	0.62	-0.09	0.56	

SO4 - sp (SubTestCode 111) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median			0.11			2.90			1.04			2.93			0.64	
Median Abs Dev			0.03			0.32			0.09			0.21			0.06	
Avg Within Lab SD			0.05			0.18			0.11			0.14			0.07	
Labs Included			14			19			19			19			19	
Labs Reporting			14			19			19			19			19	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3 - sp (SubTestCode 112) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
4MBD7C	6.41	0.00	0.26	0.14	-0.61	0.30	12.83	-0.25	0.06	10.77	0.06	0.51				
67KPKK	6.67	0.14	0.22	0.02	-0.74	0.06	14.65	0.23	0.45	11.57	0.30	0.47	0.00	-0.34	0.08	
7FN7MB	7.50	0.59					15.70	0.51		12.80	0.66					
C4VNJ6	2.61	-2.06	1.15	0.02	-0.75	0.06	3.33	-2.76	2.80	3.88	-1.96	0.29	0.06	-0.10	1.35	
ECGU62	5.70	-0.38	0.40	1.46	0.81	0.10	13.76	0.00	0.14	9.92	-0.19	0.05	0.33	1.20	0.42	
EDTFU3	8.67	1.23	0.82	1.69	1.05	0.94	15.18	0.38	0.39	13.42	0.84	0.91	0.39	1.49	2.02	
GR4XGM	5.43	-0.53	0.44	1.38	0.72	0.55	10.94	-0.75	0.28	6.26	-1.27	0.09	0.48	1.93	0.87	
LWLKNN	1.41	-2.71	0.34	0.36	-0.38	0.27	2.89	-2.88	0.52	2.13	-2.48	0.06	0.19	0.54	0.73	
Q6VMQQ	6.10	-0.17	1.44				13.12	-0.17	0.65	10.12	-0.13	0.88				
QB7QMK	6.82	0.22	0.69	1.06	0.38	2.92	15.51	0.46	0.68	11.79	0.36	1.35	0.01	-0.30	0.02	
RLK63R	6.77	0.20	0.61	0.05	-0.72	0.30	12.57	-0.32	0.93	10.57	0.00	0.72	0.04	-0.17	0.73	
TJ9W6Q	5.81	-0.32	0.50	1.24	0.58	0.16	13.97	0.05	0.52	9.19	-0.41	2.69	0.08	0.00	1.06	
TZTN7C	6.80	0.22	2.50				13.80	0.01	1.20	11.00	0.13	0.48				

NO3 - sp (SubTestCode 112) in the Salinity Property Groups						Data units: mmolc/L				
	SRS1806		SRS1807		SRS1808		SRS1809		SRS1810	
Grand Median	6.41		0.71		13.8		10.6		0.077	
Median Abs Dev	0.60		0.67		1.2		1.2		0.072	
Avg Within Lab SD	0.25		0.10		0.9		0.6		0.024	
Labs Included	13		10		13		13		9	
Labs Reporting	13		10		13		13		9	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B - sp (SubTestCode 113) in the Salinity Property Groups															Data units: mg/L		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
	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		
2GC949	0.040	-0.070	0.000	0.047	-0.096	0.588	0.063	-0.029	0.202	0.157	0.000	0.334	0.070	-0.129	0.000		
67KPKK	0.046	0.070	0.842	0.051	0.000	1.120	0.067	0.029	0.403	0.174	0.365	0.666	0.065	-0.236	0.713		
7LU37B	0.029	-0.352	0.307	0.044	-0.148	0.411	0.052	-0.233	0.243	0.136	-0.441	1.787	0.062	-0.284	0.204		
ECGU62	0.023	-0.504	0.203	0.038	-0.280	0.272	0.043	-0.391	0.072	0.149	-0.172	0.092	0.096	0.368	1.859		
EDTFU3	0.025	-0.467	0.645				0.205	2.539	0.967	0.176	0.421	2.177	0.268	3.695	1.167		
GR4XGM	0.027	-0.412	0.512	0.037	-0.318	0.588	0.050	-0.270	0.350	0.100	-1.228	0.000	0.060	-0.323	0.000		
HVJTVY	0.160	3.003		0.170	2.641		0.160	1.718		0.210	1.156		0.130	1.033			
LWLKNN	0.063	0.527	1.845	0.093	0.939	1.555	0.110	0.815	3.053	0.130	-0.578	1.003	0.083	0.129	1.960		
NMNUTR	0.047	0.100	2.231	0.061	0.229	1.528	0.048	-0.300	0.441	0.140	-0.361	0.579	0.063	-0.265	0.413		
QB7QMK	0.047	0.111	0.757	0.069	0.400	1.155	0.080	0.266	0.280	0.216	1.286	0.399	0.098	0.407	1.003		
RLK63R	0.037	-0.156	0.512	0.037	-0.318	0.588	0.053	-0.209	0.202	0.157	0.000	0.669	0.060	-0.323	0.679		
TBGGH9										0.237	1.748	1.201					
TNLTVM	0.133	2.320	0.512	0.143	2.049	1.175	0.137	1.296	0.202	0.203	1.012	0.334	0.123	0.904	0.392		

B - sp (SubTestCode 113) in the Salinity Property Groups															Data units: mg/L		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
Grand Median	0.043			0.051			0.065			0.16			0.077				
Median Abs Dev	0.015			0.014			0.016			0.02			0.017				
Avg Within Lab SD	0.011			0.010			0.029			0.02			0.015				
Labs Included	12			11			12			13			12				
Labs Reporting	12			11			12			13			12				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups															Data units: dS/m	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	0.09	-1.87	0.30	0.16	-1.44	0.41	0.36	-1.44	0.51	0.30	-1.92	0.21	0.21	-0.01	0.50	
68RCPC	0.20	-0.43	0.00	0.20	-0.85	0.00	0.40	-1.09	0.00	0.43	-0.81	1.30	0.20	-0.09	0.00	
6P2U7C	0.26	0.35	2.70	0.25	-0.11	1.28	0.53	0.06	1.34	0.55	0.12	3.93	0.15	-0.61	3.21	
7LU37B	0.24	0.08	0.11	0.37	1.52	0.10	0.55	0.28	0.39	0.33	-1.69	0.07	0.53	3.39	0.20	
7X9XNV	0.10	-1.83	0.27	0.15	-1.50	0.15	0.32	-1.85	0.06	0.36	-1.45	0.83	0.13	-0.88	0.38	
D9FD98	0.22	-0.20	0.42	0.23	-0.38	0.63	0.51	-0.06	0.16	0.53	-0.05	0.13	0.19	-0.20	0.00	
DH64VY	0.23	-0.06	0.72	0.27	0.08	0.22	0.51	-0.14	0.35	0.57	0.27	0.12	0.05	-1.63	0.19	
DKCC76	0.17	-0.89	0.26	0.30	0.54	0.47	0.55	0.23	0.05	0.53	0.00	0.12	0.23	0.17	0.24	
ECGU62	0.23	0.03	0.15	0.28	0.28	0.44	0.58	0.54	0.03	0.53	0.01	0.07	0.11	-1.09	0.12	
EW63HV	0.16	-1.01	0.92	0.26	-0.06	0.34	0.40	-1.05	0.36	0.43	-0.87	0.42	0.22	0.13	0.39	
EZ4G4Z	0.23	-0.02	0.00	0.26	0.00	0.00	0.53	0.09	0.00	0.55	0.14	0.00	0.14	-0.72	0.00	
G7H4TL	0.17	-0.88	1.51	0.28	0.33	0.84	0.51	-0.06	0.41	0.53	-0.03	0.39	0.25	0.46	0.27	
GR4XGM	0.20	-0.43	0.00	0.27	0.09	3.17	0.50	-0.18		0.50	-0.27		0.30	0.95	0.00	
HRZQW7	0.28	0.65	0.73	0.31	0.75	0.63	0.59	0.66	2.02	0.61	0.62	0.81	0.21	0.01	0.80	
J48ZVF	0.14	-1.21	2.67	0.24	-0.26	3.02	0.46	-0.52	4.17	0.53	-0.05	2.57	0.29	0.81	3.71	
JHRBPY	0.28	0.62	0.04	0.37	1.60	0.14	0.68	1.49	0.14	0.67	1.13	0.13	0.16	-0.56	0.02	
KYUD3W	0.15	-1.15	0.42	0.20	-0.85	0.00	0.43	-0.84	0.68	0.47	-0.54	0.65	0.25	0.39	0.27	
LWLKNN	0.27	0.52	0.73	0.24	-0.28	0.55	0.54	0.15	0.41	0.71	1.41	0.57	0.29	0.81	0.27	
QB7QMK	0.31	1.06	0.00	0.45	2.73	0.63	0.85	2.95	0.16	0.78	2.03	0.13	0.23	0.26	0.71	
QEKBLT	0.29	0.77	2.48	0.30	0.63	0.85	0.55	0.31	1.26	0.74	1.66	0.19	0.19	-0.18	0.55	
QZKP6P	0.18	-0.74	0.42	0.27	0.14	0.55	0.42	-0.90	0.27	0.46	-0.57	0.26	0.22	0.12	0.00	
RFCRDF	0.39	2.19	1.11	0.48	3.10	0.95	0.53	0.09	0.47	0.58	0.41	0.34	0.55	3.57	0.46	
RLK63R	0.26	0.34	0.42	0.26	0.00	0.00	0.47	-0.48	0.16	0.53	0.00	0.26	0.21	-0.02	0.27	
TJ9W6Q	0.26	0.34	0.42	0.32	0.80	1.38	0.63	1.02	0.41	0.62	0.68	0.13	0.10	-1.14	0.93	
TN4NEA	0.26	0.38	0.00	0.24	-0.24	0.32	0.60	0.72	0.00	0.38	-1.24	0.22	0.22	0.15	0.27	
V24ATH	0.25	0.30	0.39	0.25	-0.18	0.36	0.65	1.17	0.08	0.61	0.62	0.50	0.19	-0.22	0.48	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
XE6F7E	0.19	-0.51	0.18	0.25	-0.11	0.11	0.48	-0.34	0.04	0.53	-0.05	0.16	0.21	0.03	0.12	
Z63EAJ	0.23	0.02	0.42	0.26	-0.05	0.32	0.50	-0.18	0.27	0.56	0.25	0.34	0.18	-0.27	0.27	
Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.23			0.26			0.52			0.53			0.21			
Median Abs Dev	0.04			0.02			0.06			0.07			0.03			
Avg Within Lab SD	0.01			0.02			0.04			0.04			0.02			
Labs Included	28			28			28			28			28			
Labs Reporting	28			28			28			28			28			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	0.13	-0.38	3.02	0.18	-0.17	1.80	0.21	-1.35	0.50	0.21	-1.52	0.02	0.08	-0.08	0.69	
3QJ2GA	0.06	-2.36	0.24	0.12	-1.17	0.61	0.21	-1.34	0.98	0.20	-1.68	0.57	0.16	1.60	0.96	
3VC8R7	0.12	-0.75	1.14	0.18	-0.11	0.21	0.31	-0.31	0.64	0.36	0.11	0.78	0.17	1.93	0.30	
6P2U7C	0.17	0.69	2.50	0.17	-0.42	1.32	0.35	0.08	1.84	0.36	0.14	4.50	0.10	0.31	3.40	
6U9LRV	0.17	0.57	0.27	0.24	0.93	0.72	0.41	0.76	0.71	0.38	0.30	0.36	0.11	0.61	0.37	
77XN93	0.14	-0.14	0.53	0.21	0.39	0.13	0.35	0.05	0.46	0.34	-0.12	0.95	0.09	0.02	0.41	
7FN7MB	0.14	-0.08	0.18	0.20	0.19	0.30	0.35	0.15	0.42	0.34	-0.15	0.31	0.08	-0.02	0.11	
7LU37B	0.15	0.06	0.06	0.25	0.99	0.32	0.39	0.50	0.55	0.47	1.28	0.37	0.33	5.44X	0.17	
8P9ZCC	0.26	3.03	0.25	0.40	3.69	0.48	0.77	4.43	0.76	0.75	4.40	0.59	0.23	3.13	0.30	
9RB939	0.14	0.00	0.00	0.17	-0.42	0.90	0.34	-0.03	0.06	0.32	-0.29	0.15	0.06	-0.60	0.07	
ECGU62	0.12	-0.61	0.07	0.14	-0.92	0.07	0.32	-0.23	0.68	0.29	-0.65	0.03	0.05	-0.66	0.07	
FW2Z7W	0.06	-2.18	0.59	0.16	-0.57	0.49	0.20	-1.45	0.00	0.20	-1.63	0.00	0.18	2.11	0.00	
FYQ7QT	0.14	-0.11	0.00	0.21	0.40	0.49	0.34	0.00	0.00	0.35	0.05	0.22	0.07	-0.35	0.15	
H67NYL	0.16	0.43	1.02	0.21	0.29	1.95	0.40	0.59	1.40	0.41	0.63	0.90	0.09	0.13	0.74	
HH9FFJ	0.15	0.12	0.21	0.23	0.75	0.05	0.40	0.61	0.20	0.38	0.30	0.04	0.12	0.76	0.24	
JNUMLV	0.15	0.03	0.00	0.17	-0.40	0.00	0.34	0.02	0.00	0.31	-0.38	0.00	0.06	-0.57	0.04	
Q6VMQQ	0.21	1.76	1.52	0.19	-0.04	0.40	0.33	-0.06	1.59	0.33	-0.16	0.22	0.12	0.80	2.23	
QB7QMK	0.17	0.61	0.59	0.30	1.83	0.49	0.47	1.35	0.00	0.42	0.78	1.03	0.12	0.79	0.00	
RLK63R	0.16	0.34	0.59	0.19	-0.06	1.95	0.35	0.07	1.79	0.37	0.27	0.45	0.13	1.01	0.74	
RR4HXK	0.18	0.88	0.59	0.25	1.03	0.85	0.42	0.83	0.56	0.47	1.32	0.39	0.09	0.06	0.43	
TCB6YH	0.16	0.43		0.19	0.00		0.32	-0.21		0.35	0.01		0.07	-0.31		
TZTN7C	0.15	0.08	0.45	0.21	0.34	0.72	0.36	0.26	0.85	0.35	0.00	0.31	0.08	-0.20	0.15	
U3GJ7P	0.15	0.04	0.39	0.23	0.62	0.43	0.39	0.54	0.18	0.36	0.08	0.21	0.09	0.08	0.24	
UADE4N	0.12	-0.57	0.20	0.07	-2.00	0.30	0.18	-1.70	0.60	0.17	-1.97	0.35	0.03	-1.11	0.04	
URX669	0.14	-0.11	1.77	0.19	0.06	3.20	0.32	-0.17	3.06	0.32	-0.28	1.47	0.08	-0.17	1.86	
UZ94YJ	0.13	-0.47	0.59	0.19	0.06	0.49	0.33	-0.07	0.32	0.35	-0.03	0.22	0.08	-0.02	0.43	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
V9JQMD	0.11	-0.83	0.59	0.17	-0.34	0.00	0.29	-0.48	0.32	0.28	-0.79	0.22	0.06	-0.55	0.17	
XAANXG	0.08	-1.60	1.19	0.12	-1.19	0.56	0.18	-1.63	0.62	0.33	-0.24	0.38	0.06	-0.46	1.81	
YQBX8F	0.13	-0.29	0.59	0.18	-0.17	0.00	0.31	-0.28	1.28	0.35	0.01	0.39	0.06	-0.46	0.43	
Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.14			0.19			0.34			0.35			0.084			
Median Abs Dev	0.02			0.02			0.03			0.03			0.023			
Avg Within Lab SD	0.01			0.01			0.02			0.03			0.014			
Labs Included	29			29			29			29			28			
Labs Reporting	29			29			29			29			29			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	5.21	-1.03	2.98	5.44	-1.33	1.11	6.56	-0.27	1.39	7.57	-1.26	4.82	6.53	-1.12	2.56	
3CYNV3	5.31	-0.17	0.42	5.70	1.12	1.98	6.61	0.02	0.39	7.80	-0.02	1.24	6.84	0.88	0.71	
3QJ2GA	5.30	-0.22	0.40	5.58	0.00	0.64	6.70	0.67	1.05	7.86	0.31	0.73	6.71	0.00	0.42	
47NZU7	5.15	-1.50	0.16	5.43	-1.40	0.39	6.41	-1.27	2.03	7.69	-0.61	1.13	6.59	-0.75	1.12	
4MBD7C	5.33	0.00	0.58	5.62	0.31	0.39	6.80	1.32	1.66	8.06	1.42	0.27	6.81	0.65	0.31	
66P92W	5.30	-0.25	0.00	5.60	0.16	0.00	6.50	-0.69		7.80	0.00	0.00	6.80	0.60	0.00	
67KPKK	6.70	11.42X	0.00	7.80	20.64X	2.55	6.63	0.20	1.46	5.57	-12.07X	1.01	5.40	-8.43X	0.00	
68RCPC	5.40	0.58	0.00	5.70	1.09	0.00	6.70	0.65	0.00	7.80	0.00	0.00	6.90	1.25	0.00	
6P2U7C	5.26	-0.56	0.56	5.48	-0.96	0.44	6.48	-0.83	0.51	7.83	0.18	0.54	6.72	0.09	1.65	
6R323A	5.33	0.00	0.28	5.56	-0.22	0.25	6.75	0.96	0.15	7.93	0.72	0.20	6.55	-0.99	0.31	
6Y3L66	5.45	1.03	0.09	5.65	0.65	0.29	6.54	-0.40	0.64	7.80	0.02	0.37	6.81	0.65	0.12	
7LU37B	5.13	-1.70	0.09	5.70	1.09	0.44	6.57	-0.25	0.29	7.36	-2.38	1.23	6.43	-1.76	0.51	
7X9XNV	5.37	0.33	0.83	5.63	0.43	1.32	6.66	0.36	1.25	7.83	0.18	0.10	6.69	-0.09	1.00	
8LTFD4	5.50	1.42		5.60	0.16	0.00	6.87	1.76	1.46	7.93	0.72	1.01	6.90	1.25	0.00	
8NDCV3	5.37	0.36	0.09	5.67	0.81	0.25	6.69	0.58	0.25	7.75	-0.27	0.18	6.94	1.51	0.20	
8P9ZCC	5.30	-0.28	0.46	5.58	-0.03	0.25	6.57	-0.22	0.67	7.84	0.22	0.98	6.79	0.54	2.14	
9RB939	5.26	-0.61	0.56	5.67	0.84	1.31	6.76	1.05	0.51	7.93	0.72	0.73	6.82	0.71	0.51	
B9CW84	5.40	0.58	0.00	5.58	0.00	0.29	6.67	0.45	0.44	7.93	0.70	0.00	6.82	0.73	0.35	
C8UCRY	5.34	0.08	0.28	5.60	0.12	0.15	6.59	-0.07	0.29	7.76	-0.22	1.22	6.42	-1.83	0.65	
D9FD98	5.43	0.86	0.92	5.60	0.16	0.00	6.60	-0.02	0.00	7.80	0.00	0.00	6.67	-0.26	1.17	
DH64VY	5.21	-1.00	0.64	5.53	-0.50	1.17	6.38	-1.50	2.64	7.51	-1.57	1.93	6.65	-0.37	1.41	
DKCC76	5.28	-0.42	0.32	5.47	-1.02	0.53	6.49	-0.76	0.25	7.75	-0.27		6.71	0.00	0.12	
ECGU62	5.31	-0.14	0.56	5.87	2.67	0.67	6.66	0.38	1.16	7.75	-0.29	0.27	6.49	-1.38	0.42	
EW63HV	5.30	-0.25	1.21	5.57	-0.12	0.25	6.49	-0.74	1.65	7.53	-1.46	0.35	6.78	0.45	0.71	
EZ4G4Z	5.36	0.25	0.00	5.62	0.34	0.00	6.61	0.04	0.00	7.76	-0.22	0.00	6.75	0.28		
FW2Z7W	5.32	-0.08	0.16	5.51	-0.68	0.25	6.61	0.07	1.02	7.72	-0.45	0.10	6.82	0.71	0.12	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
FYQ7QT	5.44	0.92	0.16	5.63	0.47	0.96	6.79	1.23	1.05	7.91	0.61	0.27	6.65	-0.37	1.23	
G7H4TL	5.43	0.86	0.92	5.63	0.47	1.47	6.70	0.65	0.00	7.93	0.72	1.01	6.80	0.60	0.00	
GLBTNJ	5.27	-0.53	0.92	5.67	0.78	1.47	6.47	-0.92	1.46	7.70	-0.54	1.75	6.77	0.39	1.17	
GR4XGM	5.30	-0.25	0.00	5.40	-1.71	0.00	6.50	-0.69		7.90	0.54	0.00	6.70	-0.04	0.00	
HDYRBV	5.37	0.31	0.92	5.50	-0.78		6.53	-0.47	1.46	7.80	0.00	0.00	6.77	0.39	2.33	
HRZQW7	5.28	-0.42	0.00	5.51	-0.71	0.15	6.57	-0.25	0.39	7.80	0.00	0.00	6.55	-1.03	0.58	
J48ZVF	5.52	1.61	3.78	5.56	-0.22	2.33	6.46	-0.94	0.81	7.74	-0.31	0.37	6.77	0.41	0.61	
J4ALQW	5.38	0.42	0.00	5.69	0.96	0.00	6.66	0.40	0.00	7.96	0.88	0.00	6.69	-0.13	0.00	
JNUMLV	5.27	-0.50	0.16	5.51	-0.65	0.39	6.62	0.13	0.39	7.90	0.56	0.27	6.67	-0.22	0.42	
KYUD3W	5.40	0.58	0.00	5.48	-0.93	0.73	6.57	-0.25	0.73	7.90	0.54	0.00	6.65	-0.37	1.01	
LWLKNN	5.18	-1.22	0.33	5.39	-1.83	0.39	6.48	-0.80	0.29	7.87	0.36	0.10	6.53	-1.12	0.31	
NEGRVL	5.28	-0.39	0.39	5.53	-0.46	0.63	6.56	-0.31	0.15	7.74	-0.33	1.42	6.62	-0.58	3.28	
P4AJHT	5.32	-0.06	0.09	5.52	-0.59	0.76	6.53	-0.51	0.77	7.66	-0.77	0.37	6.80	0.60	0.40	
PQ2XUU	5.27	-0.47	0.09	5.46	-1.12	0.15	6.40	-1.34	1.55	7.55	-1.37	1.27	6.68	-0.15	0.51	
Q6VMQQ	5.28	-0.44	0.51	5.63	0.40	0.64	6.92	2.12	0.51	8.08	1.51	0.18	6.74	0.22	0.20	
QB7QMK	5.39	0.53	2.21	5.46	-1.18	0.73	6.37	-1.54	1.55	7.45	-1.87	0.41	6.50	-1.33	0.81	
QEKBLT	5.37	0.31	0.92	5.50	-0.78		6.63	0.20	1.46	7.90	0.54	0.00	6.70	-0.04	0.00	
QZKP6P	5.40	0.61	0.24	5.61	0.22	0.64	6.76	1.03	0.96	7.91	0.58	0.20	6.71	0.04	0.76	
RFCRDF	5.53	1.70	4.02	5.56	-0.25	3.18	6.54	-0.40	1.30	7.83	0.18	1.01	6.83	0.82	1.17	
RLK63R	5.23	-0.83	0.16	5.50	-0.81	0.53	6.58	-0.13	0.53	7.82	0.09	0.20	6.80	0.60	0.53	
RR4HXK	5.48	1.28	0.51	5.64	0.56	1.69	6.65	0.33	0.39	7.70	-0.52	0.56	6.64	-0.45	0.82	
RX9EGK	5.38	0.44	0.09	5.61	0.28	0.15	6.69	0.60	0.29	7.93	0.72	0.20	6.89	1.16	0.12	
TCB6YH	5.43	0.83	0.32	5.57	-0.16	2.36	6.69	0.58	0.51	7.89	0.47	0.51	6.68	-0.17	0.40	
TJ9W6Q	5.15	-1.53	0.33	5.48	-0.93	2.56	6.37	-1.54	2.03	7.83	0.18	1.46	6.72	0.09	2.93	
TN4NEA	5.30	-0.22	0.33	5.51	-0.68	0.25	6.62	0.09	0.64	7.67	-0.72	0.87	6.52	-1.20	0.53	
TZTN7C	5.42	0.72	1.18	5.65	0.59	1.20	6.79	1.27	1.02	8.04	1.30	1.07	6.85	0.90	0.51	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
UADE4N	5.39	0.53	0.09	5.58	-0.06	0.29	6.65	0.31	0.25	7.97	0.92	0.18	6.82	0.73	0.20	
UPDVFG	5.37	0.33	0.16	5.63	0.43	0.92	6.57	-0.20	0.53	7.67	-0.70	0.61	6.70	-0.02	0.31	
URX669	5.41	0.64	0.33	5.61	0.22	1.15	6.54	-0.42	1.58	7.71	-0.47	0.71	6.76	0.37	0.71	
UTRTLH	5.69	3.03	0.49	5.78	1.83	1.02	6.84	1.61	0.77	7.57	-1.24	1.37	6.67	-0.26	1.18	
V24ATH	5.48	1.22	1.00	5.55	-0.34	1.61	6.46	-0.95	0.29	7.62	-0.96	0.05	6.54	-1.10	0.52	
V9JQMD	5.11	-1.83	0.58	5.59	0.09	0.53	6.80	1.34	0.39	7.86	0.32	0.76	6.65	-0.39	0.31	
VFJAMN	5.29	-0.31	0.18	5.42	-1.49	0.15	6.63	0.18	0.51	7.90	0.52	0.10	6.55	-1.03	0.23	
XAANXG	5.28	-0.39	1.57	5.39	-1.80	1.17	6.30	-2.05	1.05	7.32	-2.61	2.51	6.39	-2.02	1.04	
XE6F7E	5.48	1.25	0.21	5.70	1.06	0.18	6.75	0.99	0.74	8.27	2.56	0.16	6.95	1.55	0.32	
YQBX8F	5.28	-0.42	0.97	5.60	0.12	0.39	6.57	-0.25	0.58	7.72	-0.41	0.66	6.59	-0.75	0.53	
YQT2PE	5.37	0.31	0.92	5.60	0.16	0.00	6.53	-0.47	1.46	7.73	-0.36	1.01	6.83	0.82	1.17	
Z63EAJ	5.40	0.56	0.33	5.60	0.19	0.29	6.63	0.16	0.64	7.98	0.99	0.37	6.90	1.23	0.42	

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	5.33			5.58			6.60			7.80			6.71			
Median Abs Dev	0.06			0.06			0.08			0.10			0.09			
Avg Within Lab SD	0.06			0.04			0.04			0.06			0.05			
Labs Included	63			63			64			63			63			
Labs Reporting	64			64			64			64			64			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	6.23	3.91	4.18	6.57	4.46	3.86	7.00	1.23		7.87	-0.37	1.96	7.40	2.42	2.00	
37PMHB	5.37	-0.42	0.24	5.57	-0.61	0.25	6.79	0.07	0.29	8.06	0.23	0.20	6.87	-0.04	0.20	
3H6L47	5.44	-0.08	0.10	5.66	-0.15	0.25	6.70	-0.38	0.39	8.04	0.19	0.26	6.92	0.19	0.53	
3QJ2GA	5.40	-0.28	0.27	5.66	-0.14	0.39	6.77	0.00	0.53	7.97	-0.03	0.60	6.80	-0.36	0.20	
3VC8R7	5.49	0.15	0.51	5.69	-0.02	0.53	6.49	-1.52	2.05	7.64	-1.07	0.99	6.89	0.04	0.46	
4MBD7C	5.53	0.36	0.47	5.75	0.29	0.39	6.88	0.58	0.25	8.18	0.61	0.52	6.98	0.49	0.70	
6R323A	5.46	0.02	0.18	5.69	0.02	0.29	6.87	0.54	0.15	8.05	0.22	0.35	6.68	-0.92	0.20	
77XN93	5.60	0.72	1.03	5.80	0.56	0.00	6.40	-2.03	0.00	7.17	-2.56	0.98	6.87	-0.05	1.16	
7FN7MB	5.46	0.00	0.79	5.67	-0.10	1.52	6.62	-0.81	2.22	7.79	-0.61	2.73	7.04	0.73	3.41	
7LU37B	5.24	-1.10	0.06	5.75	0.31	0.91	6.70	-0.38	0.15	7.50	-1.50	0.26	6.54	-1.57	0.40	
ECGU62	6.25	4.01	0.12	6.28	2.99	0.64	7.02	1.32	0.39	7.91	-0.22	0.43	6.79	-0.41	0.20	
FJQPFL	5.39	-0.35	0.06	5.65	-0.20	0.25	6.77	-0.02	0.25	8.11	0.39	0.26	6.83	-0.22	0.20	
FYQ7QT	5.44	-0.08	0.10	5.67	-0.10	0.25	6.77	0.00	0.39	8.07	0.26	0.10	6.80	-0.38	0.23	
HH9FFJ	5.46	0.00	0.09	5.75	0.32	0.29	6.79	0.10	0.81	7.63	-1.11	0.17	6.70	-0.83	0.33	
JHRBPY	5.42	-0.16	0.73	5.68	-0.05	0.88	6.82	0.24	0.59	8.20	0.67	0.10	6.92	0.21	0.31	
Q6VMQQ	5.44	-0.06	0.16	5.77	0.42	0.39	6.88	0.58	0.25	8.38	1.24	1.02	6.97	0.44	1.30	
QB7QMK	5.52	0.31	0.83	5.56	-0.68	0.53	6.50	-1.47	1.65	7.74	-0.75	0.35	6.70	-0.84	1.10	
RLK63R	5.33	-0.62	0.06	5.61	-0.42	0.15	6.71	-0.36	0.82	7.99	0.03	0.26	6.91	0.16	0.31	
TZTN7C	5.52	0.34	0.06	5.74	0.27	0.29	6.86	0.49	0.59	8.23	0.76	1.16	7.03	0.69	0.23	
U3GJ7P	5.67	1.06	0.73	6.08	2.00	1.05	7.09	1.72	2.33	7.59	-1.23	1.96	6.95	0.32	0.12	
V9JQMD	5.36	-0.48	0.47	5.57	-0.61	0.25	6.67	-0.58	0.64	7.79	-0.61	0.74	6.31	-2.65	0.31	
ZZWCUH	5.52	0.31	0.32	5.71	0.12	0.29	6.70	-0.42	0.53	8.05	0.20	0.77	7.07	0.89	0.53	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups						Data units: Unit
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	5.46	5.69	6.77	7.98	6.88	
Median Abs Dev	0.06	0.06	0.10	0.19	0.09	
Avg Within Lab SD	0.10	0.04	0.04	0.06	0.05	
Labs Included	22	22	22	22	22	
Labs Reporting	22	22	22	22	22	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:1) 0.01M CaCl ₂ (SubTestCode 118) in the Soil pH & EC Property Groups																Data units: Unit
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	4.86	-0.63	0.62	5.08	-0.79	0.84	6.36	0.40	0.49	7.45	-0.09	0.45	6.02	-1.09	0.00	
66P92W	4.90	-0.20	0.00	5.10	-0.46	0.00	6.24	-0.84	1.13	7.47	0.00	1.68	6.10	-0.40	0.00	
7LU37B	4.74	-2.10	0.41	5.15	0.23	0.40	6.29	-0.30	0.86	7.14	-2.06	0.61	6.06	-0.77	0.74	
8NDCV3	4.92	0.04	0.41	5.15	0.28	0.23	6.40	0.81	0.12	7.54	0.47	0.29	6.24	0.77	0.20	
9RB939	4.92	0.00	1.55	5.13	0.00	1.23	6.39	0.64	0.89	7.62	0.98	1.54	6.17	0.23	0.54	
B9CW84	4.95	0.40	0.41	5.16	0.32	0.23	6.44	1.14	0.12	7.54	0.47	0.58	6.21	0.57	0.54	
C8UCRY	4.88	-0.40	1.25	5.12	-0.23	0.47	6.33	0.07	0.56	7.42	-0.32	2.05	6.08	-0.60	0.41	
ECGU62	4.72	-2.30	0.62	5.08	-0.74	0.70	6.41	0.91	0.25	7.42	-0.32	1.32	6.32	1.52	1.43	
EW63HV	4.94	0.28	0.41	5.12	-0.18	1.85	6.22	-1.08	0.75	7.17	-1.87	1.02	6.18	0.29	1.62	
H67NYL	4.94	0.24	2.25	5.17	0.55	1.42	6.33	0.10	1.09	7.51	0.26	1.21	6.18	0.32	0.82	
J4ALQW	4.94	0.24	0.00	5.18	0.65	0.00	6.32	-0.03	0.00	7.33	-0.85	0.00	6.08	-0.54	0.00	
LWLKNN	4.85	-0.83	0.24	5.04	-1.25	0.47	6.24	-0.81	0.25	7.48	0.06	0.45	6.05	-0.86	0.54	
QB7QMK	4.80	-1.35	0.94	5.01	-1.76	0.23	6.14	-1.82	0.12	7.13	-2.17	0.17	6.03	-1.03	0.41	
RX9EGK	4.93	0.20	0.24	5.18	0.60	0.62	6.32	0.00	0.12	7.59	0.81	0.17	6.22	0.66	0.41	
UZ94YJ	5.04	1.43	2.32	5.28	1.99	1.68	6.26	-0.64	3.32	7.51	0.28	0.58	6.31	1.40	2.81	
YQBX8F	4.97	0.63	0.41	5.20	0.97	2.22	6.39	0.64	0.81	7.47	0.04	1.32	6.15	0.00	1.34	
YQT2PE	4.90	-0.20	0.00	5.10	-0.46	0.00	6.20	-1.24	0.00	7.40	-0.43	0.00	6.10	-0.40	0.00	

pH (1:1) 0.01M CaCl ₂ (SubTestCode 118) in the Soil pH & EC Property Groups																Data units: Unit
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	4.92			5.13			6.32			7.47			6.15			
Median Abs Dev	0.03			0.04			0.06			0.07			0.07			
Avg Within Lab SD	0.02			0.02			0.05			0.03			0.03			
Labs Included	17			17			17			17			17			
Labs Reporting	17			17			17			17			17			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
4MBD7C	4.89	0.10	0.99	5.17	0.00	0.73	6.48	0.35	0.37	7.50	0.04	0.58	6.12	0.00	0.16	
7LU37B	4.77	-0.85	0.22	5.29	1.00	0.76	6.43	0.00	0.34	7.18	-1.11	0.35	6.21	0.80	0.14	
ECGU62	4.70	-1.34	0.78	4.92	-2.21	3.00	6.62	1.34	0.60	7.43	-0.22	1.56	6.34	1.94	0.28	
FJQPFL	4.88	0.00	0.22	5.17	-0.06	0.17	6.48	0.38	0.15	7.58	0.34	0.23	6.10	-0.18	0.04	
G7H4TL	5.00	0.95		5.20	0.23	0.00	6.33	-0.66	0.84	7.50	0.05		6.13	0.09	0.38	
Q6VMQQ	4.87	-0.08	0.22	5.20	0.23	0.29	6.52	0.68	0.37	7.49	0.00	0.66	6.14	0.18	0.14	
QB7QMK	4.76	-0.93	0.78	5.02	-1.35	0.33	6.25	-1.22	0.22	7.21	-1.01	0.82	6.00	-1.07	0.04	
TJ9W6Q	5.14	2.06	2.64	5.28	0.89	0.60	6.16	-1.91	2.99	6.82	-2.44	2.39	6.12	0.00	0.42	
TZTN7C	4.91	0.26	0.75	5.14	-0.32	0.44	6.42	-0.07	0.59	7.61	0.44	0.35	6.09	-0.30	0.06	
UADE4N	4.94	0.49	0.00	5.13	-0.37	0.00	6.36	-0.45	0.08	7.60	0.40	0.13	6.11	-0.09	0.04	
UNJ8Y7	4.83	-0.36	0.37	5.26	0.77	0.33	6.48	0.35	0.47	7.12	-1.36	0.35	6.43	2.77	3.25	

pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	4.88			5.17			6.43			7.49			6.12			
Median Abs Dev	0.06			0.04			0.06			0.11			0.02			
Avg Within Lab SD	0.03			0.03			0.07			0.04			0.15			
Labs Included	11			11			11			11			11			
Labs Reporting	11			11			11			11			11			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
2RTVDA	0.07		1.37	0.09		1.10	0.14		1.36	0.16		1.35	0.05		1.41			
U3GJ7P	0.06		0.35	0.11		0.89	0.17		0.38	0.18		0.43	0.05		0.05			
Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	0.067			0.10			0.16			0.17			0.049					
Median Abs Dev	0.004			0.00			0.01			0.01			0.006					
Avg Within Lab SD	0.004			0.00			0.01			0.01			0.006					
Labs Included	2			2			2			2			2					
Labs Reporting	2			2			2			2			2					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil pH (1:5) 0.01 M CaCl2 (SubTestCode 121) in the Soil pH & EC Property Groups														Data units: Unit			
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810	
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
XAANXG	4.57		1.00	4.79		1.00	6.09		1.00	7.13		1.00	5.88		1.00		

Soil pH (1:5) 0.01 M CaCl2 (SubTestCode 121) in the Soil pH & EC Property Groups														Data units: Unit			
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810	
Grand Median	4.57			4.79			6.09			7.13			5.88				
Median Abs Dev																	
Avg Within Lab SD	0.01			0.07			0.08			0.09			0.09				
Labs Included	1			1			1			1			1				
Labs Reporting	1			1			1			1			1				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
2GC949				6.50	0.00	0.15									
9RB939	6.61	-0.17	1.43	6.54	0.26	1.35	7.24	0.54	0.99	7.55	0.00	0.58	7.02	0.96	1.09
G7H4TL	6.53	-0.70	1.09	6.40	-0.73	0.00	7.07	-1.01	1.77	7.37	-1.63	2.20	6.80	-0.73	0.00
J48ZVF	6.72	0.68	1.69	6.67	1.20	2.29	7.27	0.74	0.64				7.03	1.03	2.11
J4ALQW	7.10	3.43	0.00	7.01	3.54	0.00	7.30	1.06	0.00	7.44	-1.00	0.00	7.11	1.61	0.00
QB7QMK	6.63	0.02	0.47	6.49	-0.07	0.64	7.13	-0.45	0.31	7.60	0.45	0.44	6.86	-0.28	0.52
UADE4N	6.59	-0.32	0.11	6.51	0.05	0.26	7.15	-0.25	0.18	7.56	0.12	0.00	6.87	-0.20	0.52
YQBX8F	6.63	-0.02	1.21	6.49	-0.07	0.64	7.21	0.25	0.92	7.50	-0.42	1.01	6.92	0.20	0.30
ZZWCUH	6.64	0.05	0.47	6.48	-0.16	1.02	7.06	-1.09	1.58	7.67	1.09	0.79	6.85	-0.38	1.31

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	6.63			6.50			7.18			7.55			6.90		
Median Abs Dev	0.03			0.02			0.07			0.05			0.07		
Avg Within Lab SD	0.05			0.04			0.03			0.03			0.02		
Labs Included	8			9			8			7			8		
Labs Reporting	8			9			8			7			8		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	6.75	0.48	0.39	6.48	0.38	0.82	7.27	0.66	1.48	7.56	0.24	0.45	6.91	0.47	0.80	
67KPKK	7.00	3.10		7.57	11.65X	1.54	7.30	1.19	0.00	6.63	-16.36X	2.60	6.83	-0.62	1.84	
68RCPC	6.70	0.00	0.00	6.50	0.55		7.20	-0.41	0.00	7.60	0.96	0.00	6.90	0.37	0.00	
6P2U7C	6.79	0.96	1.96	6.63	1.91	1.34	7.24	0.23	0.84	7.54	-0.18	0.69	6.83	-0.67	2.83	
6R323A	6.64	-0.59	0.29	6.42	-0.31	0.41	7.28	0.92	0.74	7.55	0.00	0.52	6.88	0.02	0.49	
7X9XNV	7.00	3.13	0.15	6.54	1.01	0.41	7.32	1.46	0.28	7.58	0.60	0.78	6.91	0.57	0.74	
DH64VY	6.65	-0.48	2.49	6.38	-0.66	1.93	7.22	-0.09	0.84	7.57	0.42	0.00	6.91	0.47	1.12	
DKCC76	6.70	0.00	0.50	6.49	0.42	0.31	7.22	-0.04	0.28	7.53	-0.30	0.00	6.88	0.02	0.18	
EDTFU3	6.75	0.50	0.07	6.47	0.27	0.06	7.23	0.04	0.10	7.64	1.69	0.24	6.88	0.09	0.16	
EZ4G4Z	6.69	-0.10	0.00	6.34	-1.11	0.00	7.21	-0.25	0.00	7.56	0.24	0.00	6.78	-1.41	0.00	
HDYRBV	6.83	1.38	1.46	6.50	0.55	2.67	7.30	1.19	0.00	7.67	2.15	2.60	6.83	-0.62	1.84	
KYUD3W	6.45	-2.58	1.26	6.32	-1.35	0.77	7.10	-2.01	0.00	7.45	-1.73	0.00	6.67	-3.10	0.92	
LWLKNN	6.66	-0.38	0.73	6.44	-0.07	0.71	7.17	-0.94	0.74	7.54	-0.06	0.52	6.87	-0.12	0.49	
NEGRVL	6.68	-0.23	0.46	6.41	-0.35	0.13	7.18	-0.67	1.34	7.55	0.05	1.22	6.82	-0.87	0.95	
QEKBLT	6.70	0.00	0.00	6.40	-0.49	0.00	7.10	-2.01	0.00	7.50	-0.84		6.90	0.37	0.00	
RFCRDF	6.33	-3.79X	3.85	6.48	0.31	1.08	7.01	-3.45X	4.15	7.50	-0.84		7.13	3.84X	1.84	
RLK63R	6.71	0.07	0.89	6.40	-0.45	0.41	7.27	0.66	0.28	7.65	1.91	0.26	6.85	-0.37	0.32	
RX9EGK	6.67	-0.31	0.25	6.45	0.07	0.15	7.22	-0.09	0.49	7.53	-0.24	0.26	6.85	-0.32	0.18	
TNLTVM	6.71	0.14	0.39	6.42	-0.24	0.82	7.26	0.60	1.71	7.61	1.13	0.90	6.84	-0.57	0.37	
UPDVFG	6.67	-0.28	0.63	6.40	-0.49	0.27	7.24	0.23	0.49	7.60	1.02	0.69	6.90	0.42	0.49	
UTRTLH	6.71	0.14	2.14	6.67	2.32	2.12	7.26	0.55	2.53	7.55	0.00	0.52	6.95	1.07	0.80	
VFJAMN	6.70	0.00	0.25	6.34	-1.11	0.00	7.23	0.12	0.28	7.54	-0.12	0.00	6.87	-0.02	0.18	
XAANXG	6.81	1.10	1.29	6.55	1.07	1.16	7.15	-1.16	2.02	7.48	-1.19	2.95	6.99	1.76	0.66	
YQBX8F	6.70	0.00	0.50	6.45	0.07	0.41	7.22	-0.09	1.75	7.53	-0.30	1.19	6.93	0.82	1.69	
Z63EAJ	6.68	-0.24	0.15	6.39	-0.62	0.15	7.19	-0.57	0.49	7.55	0.00	0.26	6.81	-1.02	0.18	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups						Data units: Unit
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	6.70	6.45	7.23	7.55	6.88	
Median Abs Dev	0.03	0.05	0.04	0.02	0.04	
Avg Within Lab SD	0.04	0.04	0.02	0.02	0.03	
Labs Included	24	24	24	24	24	
Labs Reporting	25	25	25	25	25	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit	
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
9RB939	7.49	0.00	0.43	7.25	-0.52	0.30	7.76	0.82		7.90	0.26		7.48		1.32
HRZQW7	7.48	-0.12	0.43	7.29	0.00	0.17	7.70	0.82		7.88	0.26		7.45		0.50
JNUMLV	7.45	-1.37	1.29	7.25	-0.56	0.17	7.79	0.82		7.82	0.26		7.44		0.50
RR4HXK	7.51	1.00	1.55	7.41	1.69	1.20	7.74	1.41		7.88	1.95		7.53		1.32
TCB6YH	7.51	0.87	0.75	7.33	0.61	1.85									

Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit	
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	Grand Median	7.49			7.29			7.75			7.88			7.47	
Median Abs Dev	0.02			0.04											
Avg Within Lab SD	0.01			0.03		0.01			0.02				0.01		
Labs Included	5			5		4			4				4		
Labs Reporting	5			5		4			4				4		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	6.28	-1.44	0.82	6.21	-1.02	1.00	6.83	-0.26	0.48	7.07	0.12	0.62	6.72	0.02	0.21	
9RB939	6.55	0.43	1.52	6.41	0.76	1.62	6.91	0.43	0.55	7.08	0.24	0.72	6.71	-0.02	2.77	
EW63HV	6.42	-0.47	1.87	6.31	-0.09	1.26	6.87	0.04	1.47	7.02	-0.30	1.57	6.80	0.96	0.40	
J4ALQW	6.65	1.16	0.00	6.56	2.04	0.00	6.94	0.68	0.00	7.04	-0.12	0.00	6.83	1.34	0.00	
LWLKNN	6.57	0.59	0.46	6.44	1.02	0.31	6.86	-0.04	0.28	7.00	-0.49	0.36	6.77	0.59	0.21	
QZKP6P	6.40	-0.59	0.15	6.28	-0.41	1.41	6.84	-0.15	2.27	7.11	0.49	0.62	6.68	-0.35	0.08	
RX9EGK	6.54	0.35	0.15	6.32	-0.03	0.31	7.09	1.93	0.28	7.14	0.79	0.36	6.71	-0.05	0.13	
XAANXG	6.44	-0.35	1.11	6.33	0.03	0.78	6.64	-1.85	0.00	6.75	-2.84	2.00	6.53	-2.05	0.21	

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	6.49			6.32			6.86			7.06			6.71			
Median Abs Dev	0.08			0.07			0.04			0.04			0.04			
Avg Within Lab SD	0.04			0.03			0.02			0.02			0.07			
Labs Included	8			8			8			8			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
H67NYL	6.16		0.04	6.02		1.49	6.46		1.27	6.65		1.35	6.25		1.35	
URX669	6.12		0.05	5.99		0.68	6.42		0.75				6.29		1.07	
XAANXG	5.32		1.73	6.11		0.56	6.50		0.91	6.82		0.43	6.41		0.18	
Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	6.12			6.02			6.46			6.73			6.29			
Median Abs Dev																
Avg Within Lab SD	0.98			0.04			0.03			0.04			0.03			
Labs Included	3			3			3			2			3			
Labs Reporting	3			3			3			2			3			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups

Data units: mg/kg

WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
28NHGG	26.7	-0.3	2.2	10.3	-0.3	1.2	58.3	-0.5	0.8	42.7	-0.4	0.8	3.6	0.4	0.7
2GC949	28.8	0.2	0.4	10.1	-0.4	0.2	68.4	1.0	0.4	45.4	0.0	0.2	3.5	0.3	0.4
2RTVDA	27.9	0.0	1.9	9.6	-0.7	0.2	59.9	-0.3	0.3	42.1	-0.4	0.9	2.3	-0.8	0.5
37PMHB	20.0	-2.0	2.3	6.8	-2.1	0.3	51.1	-1.7	0.6	36.5	-1.2	0.1	2.3	-0.8	0.5
3QJ2GA	35.3	1.9	0.4	11.1	0.2	0.3	71.0	1.4	0.1	56.5	1.5	0.2	3.1	-0.1	0.4
3VC8R7	32.0	1.1	0.4	11.7	0.5	0.6	63.4	0.2	1.3	49.4	0.5	0.2	4.0	0.7	1.2
67KPKK	3.0	-6.4X		50.3	21.2X	0.6	63.2	0.2	1.1	10.2	-4.7X	0.2	33.0	25.4X	3.6
7FN7MB	24.3	-0.9	0.7	9.2	-0.9	0.9	58.7	-0.5	1.4	40.5	-0.7	1.0	2.9	-0.3	0.2
7X9XNV	28.6	0.2	0.0	32.2	11.5X	0.4	56.9	-0.8	0.2	46.3	0.1	0.1	4.3	1.0	0.5
9RB939	28.8	0.2	0.3	9.9	-0.5	0.3	63.5	0.3	0.3	44.1	-0.2	0.4	3.3	0.1	0.6
C4VNI6	25.2	-0.7	0.2	9.5	-0.7		65.1	0.5	2.6	42.3	-0.4	0.9	2.8	-0.3	0.4
D9FD98	27.8	0.0	0.3	10.8	0.0	0.2	66.7	0.8	0.2	44.9	-0.1	0.1	3.2	0.0	0.6
DH64VY	29.7	0.5	0.9	11.6	0.4	0.2	61.6	0.0	0.1	55.1	1.3	0.7	3.6	0.3	0.4
DKCC76	23.7	-1.1	0.1	10.8	0.0	1.8	61.0	-0.1	1.2	40.0	-0.7	0.3	1.8	-1.2	1.0
EW63HV	37.6	2.5	1.2	13.5	1.5	1.5	76.5	2.3	1.5	62.8	2.3	1.9	4.4	1.0	1.0
EZ4G4Z	30.3	0.6	0.0	10.8	0.0	0.0	62.8	0.1	0.0	45.5	0.0		2.8	-0.3	0.0
FW2Z7W	25.3	-0.7	1.3	15.0	2.3	2.1	47.0	-2.3	1.1	46.0	0.1	0.5	4.0	0.7	
G7H4TL	27.4	-0.1	0.3	10.8	0.0	0.6	64.6	0.4	0.2	44.5	-0.1	0.3	3.1	0.0	0.6
GR4XGM	34.8	1.8	0.9	10.9	0.1	1.3	83.6	3.4X	0.4	48.8	0.4	1.3	3.7	0.4	0.2
HH9FFJ	29.1	0.3	0.2	10.8	0.0	0.5	61.0	-0.1	0.3	42.5	-0.4	0.2	3.0	-0.1	0.5
HVJTVY	27.7	0.0		11.7	0.5		61.5	-0.1		43.7	-0.2		3.6	0.4	
J48ZVF	23.8	-1.0	1.0	6.5	-2.3	1.4	50.9	-1.7	0.7	35.7	-1.3	1.3			
JBUL9U	25.9	-0.5	0.8	12.0	0.7	1.1	57.5	-0.7	1.2	49.1	0.5	1.1	4.7	1.3	0.5
JHRBPY	26.8	-0.3	0.7	9.2	-0.9	0.1	57.6	-0.7	0.1	43.6	-0.2	0.3	2.5	-0.6	0.2
JNUMLV	29.7	0.5	1.0	9.7	-0.6	0.4	66.6	0.7	0.7	47.2	0.2	0.6	1.5	-1.4	0.4
KYUD3W	28.7	0.2	0.5	11.3	0.3	0.6	61.3	-0.1	0.6	54.3	1.2	0.3	4.7	1.3	1.2



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
LWLKNN	29.1	0.3	0.5	11.1	0.1	0.1	62.3	0.1	2.1	50.3	0.6	1.5	5.0	1.5	0.6	
NEGRVL	28.6	0.2	0.8	11.3	0.3	0.2	60.2	-0.3	2.0	50.9	0.7	0.9	3.5	0.2	3.0	
NMNUTR	29.8	0.5	1.4	10.0	-0.4	2.0	67.3	0.8	2.1	52.6	1.0	2.0	2.7	-0.4	2.0	
PQ2XUU	27.0	-0.2	0.3	10.1	-0.4	0.2	66.5	0.7	0.2	44.5	-0.1	0.1	2.9	-0.2	0.2	
QB7QMK	24.5	-0.9	1.4	8.1	-1.4	0.5	61.8	0.0	2.0	40.7	-0.6	2.3	1.3	-1.6	2.3	
QEKBLT	31.3	0.9	1.1	11.8	0.5	1.0	61.8	0.0	0.7	53.1	1.0	1.8	5.6	2.0	0.5	
QZKP6P	27.3	-0.1	0.2	11.0	0.1	0.2	60.3	-0.2	0.3	51.5	0.8	0.2	3.5	0.3	0.4	
RFCRDF	27.6	-0.1	2.0	11.3	0.3	0.6	65.0	0.5	0.2	51.0	0.7	0.1	3.8	0.5	1.2	
RLK63R	29.7	0.5	0.5	9.0	-1.0	2.1	58.0	-0.6	0.9	48.3	0.4	1.1	1.3	-1.6	2.4	
RR4HXK	19.8	-2.1	2.1	5.1	-3.1	2.9	41.5	-3.1	4.4	32.0	-1.8	2.8	0.5	-2.3	1.4	
TCB6YH	33.0	1.3		13.0	1.2		78.0	2.5		58.0	1.7		3.0	-0.1		
UADE4N	27.1	-0.2	0.4	10.2	-0.3	0.4	63.8	0.3	0.6	43.1	-0.3	0.5	3.0	-0.2	0.6	
UZ94YJ	26.8	-0.3	0.1	10.1	-0.4	0.6	61.7	0.0	0.6	43.4	-0.3	0.1	3.1	-0.1	0.6	
V24ATH	26.0	-0.5	0.8	14.2	1.8	0.2	59.1	-0.4	0.4	33.2	-1.6	0.5	6.8	3.1	0.3	
VFJAMN	32.1	1.1	0.5	11.6	0.4	0.5	67.3	0.8	0.4	54.9	1.3	0.6	3.2	0.0	0.6	
XAANXG	27.0	-0.2		10.3	-0.3	1.2	65.3	0.5	0.3	45.0	-0.1	0.5	3.0	-0.1		
XE6F7E	23.4	-1.1	0.4	9.8	-0.6	0.1	56.8	-0.8	0.4	37.9	-1.0	0.5	3.9	0.6	0.2	
YQBX8F	30.2	0.6	0.3	10.4	-0.2	0.4	68.3	1.0	0.2	45.8	0.1	0.3	3.1	0.0	0.2	
ZZWCUH	32.4	1.2	1.1	12.0	0.6	0.3	74.2	1.9	0.8	53.5	1.1	1.4	3.7	0.4	0.6	

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	27.9			10.8			61.8			45.4			3.17			
Median Abs Dev	1.8			0.8			3.3			3.8			0.48			
Avg Within Lab SD	1.1			0.5			1.9			1.9			0.24			
Labs Included	44			43			43			44			43			
Labs Reporting	45			45			45			45			44			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
68RCPC	35.3	1.2	0.5	14.0	1.0		75.3	0.6	0.4	69.0	1.5		6.0	0.6		
77XN93	29.3	0.2	0.9	10.7	0.0	1.3	61.0	-0.2	1.3	46.0	-0.1	1.0	3.3	-0.4	1.0	
8LTFD4	20.0	-1.2		10.0	-0.3		47.0	-1.0		40.0	-0.5		9.0	1.8		
GR4XGM	34.8	1.1	0.8	10.9	0.0	1.4	83.6	1.1	0.5	48.8	0.1	1.2	3.7	-0.3	0.1	
TNLTVM	26.5	-0.2	0.3	13.1	0.7	0.9	52.4	-0.7	0.2	41.4	-0.4	0.4	6.3	0.7	0.4	
U4U4ZK	26.3	-0.3	2.1	5.8	-1.6	1.1	68.5	0.2	2.0	49.2	0.1	1.4	2.6	-0.7	2.1	
URX669	30.5	0.4	0.2	13.3	0.8	0.6	85.9	1.2	0.6	75.9	2.0	1.3	5.0	0.3	0.6	
Z63EAJ	22.6	-0.8	0.7	8.0	-0.9	0.3	58.2	-0.4	0.6	39.0	-0.6	0.1	2.6	-0.7	0.0	

NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	27.9			10.8			64.8			47.4			4.32			
Median Abs Dev	3.9			2.4			11.5			6.7			1.69			
Avg Within Lab SD	1.3			0.4			1.4			2.0			0.58			
Labs Included	8			8			8			8			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
6P2U7C	23.5	-0.9	0.2	10.2	-0.6	0.3	50.2	-1.1	0.6	36.2	-1.0	1.4	4.2	0.0	0.4	
EDTFU3	35.5	1.1	2.1	13.8	2.6	2.1	72.3	0.7	0.7	50.0	1.3	1.2	4.2	0.0	0.5	
GR4XGM	34.8	1.0	0.6	10.9	0.0	0.6	83.6	1.6	0.4	48.8	1.1	1.1	3.7	-0.8	0.1	
HRZQW7	28.8	0.0	0.4	10.8	-0.1	0.2	63.9	0.0	1.9	41.5	-0.1	0.3	3.6	-1.0	0.1	
TBGGH9	26.9	-0.3	0.2	11.1	0.1	0.4	63.3	0.0	0.7	42.2	0.0	0.5	5.1	1.5	2.1	

NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	28.8			10.9			63.9			42.2			4.18			
Median Abs Dev	5.3			0.2			8.4			6.0			0.51			
Avg Within Lab SD	1.7			1.0			1.9			2.2			0.54			
Labs Included	5			5			5			5			5			
Labs Reporting	5			5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3-N Ion Chr. (SubTestCode 130) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg					
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
GR4XGM	34.8		1.0	10.9		1.0	83.6		1.0	48.8		1.0	3.7		1.0			

NO3-N Ion Chr. (SubTestCode 130) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg					
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	34.8			10.9			83.6			48.8			3.67					
Median Abs Dev																		
Avg Within Lab SD	1.1			0.6			0.7			2.4			0.06					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	2.3	0.2	0.4	20.4	0.5	1.6	29.0	0.9	2.1	0.6	-1.2	0.3	16.8	0.7	2.0	
37PMHB	4.1	1.6	0.2	10.2	-2.3	0.2	16.1	-2.8	0.2	1.9	0.0	0.1	5.6	-2.1	0.1	
3QJ2GA	1.4	-0.4	0.4	21.5	0.8	0.5	27.4	0.4	0.4	1.6	-0.3	0.2	15.3	0.3	0.6	
3VC8R7	1.8	-0.1	0.4	20.9	0.7	0.2	28.6	0.8	0.2	3.0	0.9	0.3	16.8	0.7	0.6	
67KPKK	11.7	7.2X	1.4	1.8	-4.7X	0.1	26.1	0.1	0.3	18.7	14.9X	0.4	1.1	-3.3X	0.3	
6P2U7C	3.3	1.0	0.7	16.6	-0.5	0.9	20.9	-1.4	0.4	2.6	0.6	0.3	11.8	-0.5	0.5	
7FN7MB	1.9	0.0	1.0	15.9	-0.7	1.4	24.0	-0.5	0.9	1.9	0.0	0.3	14.6	0.2	1.0	
D9FD98	2.7	0.5	0.4	19.4	0.3	0.3	26.0	0.1	0.3	2.0	0.1	0.3	13.9	0.0	0.1	
DKCC76	1.8	-0.1	0.0	17.2	-0.4	0.4	22.2	-1.1	0.1	2.7	0.7	1.7	12.4	-0.4	0.1	
EW63HV	6.0	3.0	2.1	21.3	0.8	0.8	26.0	0.1	1.0	5.5	3.2	0.5	17.0	0.8	1.0	
EZ4G4Z	1.2	-0.6	0.0	14.2	-1.2	0.0	19.7	-1.8	0.0	2.0	0.1	0.0	11.1	-0.7	0.0	
FW2Z7W	2.8	0.6	0.8	21.3	0.8	1.3	24.0	-0.5	1.0	3.8	1.7	0.6	14.3	0.1	0.7	
G7H4TL	1.5	-0.4	0.2	16.5	-0.6	2.7	25.3	-0.2	0.6	1.5	-0.4	0.5	14.5	0.1	0.2	
GR4XGM	34.8	24.3X	3.8	10.9	-2.2	0.7	83.6	16.6X	0.7	48.8	41.6X	4.7	3.7	-2.6	0.1	
HH9FFJ	16.7	10.9X	1.2	16.3	-0.6	0.3	21.4	-1.3	1.1	2.6	0.6	0.2	5.4	-2.2	0.2	
HRZQW7	2.8	0.6	0.4	16.1	-0.7	0.3	26.7	0.3	0.1	0.5	-1.2	0.1	10.1	-1.0	0.1	
J48ZVF	2.2	0.2	1.3	18.9	0.1	1.8	26.3	0.1	2.0	1.8	-0.1	1.7	14.9	0.3	1.8	
JHRBPY	1.3	-0.5	0.3	17.1	-0.4	0.3	24.2	-0.5	0.4	1.4	-0.5	0.3	11.8	-0.5	0.1	
JNUMLV	1.4	-0.4	0.6	20.5	0.6	1.1	29.6	1.1	0.6	2.4	0.4	0.9	15.8	0.5	0.1	
LWLKNN	0.6	-1.0	0.9	14.8	-1.0	0.8	24.0	-0.5	2.3	1.9	0.0	3.8	3.1	-2.8	2.5	
NEGRVL	2.1	0.1	1.9	20.1	0.4	0.2	25.7	-0.1	0.2	2.2	0.2	0.8	15.9	0.5	0.5	
PQ2XUU	1.8	-0.1	0.3	18.8	0.1	0.2	26.5	0.2	0.1	1.2	-0.7	0.1	13.2	-0.2	0.1	
QB7QMK				17.7	-0.2	0.3	27.6	0.5	1.4				12.5	-0.4	0.8	
QZKP6P	2.4	0.3	0.8	20.8	0.6	0.3	26.0	0.1	0.3	1.5	-0.4	0.4	13.8	0.0	0.3	
RLK63R	5.0	2.2	3.6	19.7	0.3	2.3	23.0	-0.8	2.9	5.7	3.3	2.3	14.7	0.2	3.2	
UADE4N	3.5	1.1	0.3	20.4	0.5	1.6	26.2	0.1	0.3	1.7	-0.2	0.1	14.8	0.2	0.6	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
URX669	2.0	0.0	0.1	15.7	-0.8	0.4	21.1	-1.4	0.2	1.7	-0.2	0.0	10.4	-0.9	0.7	
UZ94YJ	1.9	0.0	0.2	16.3	-0.6	0.4	21.5	-1.3	0.3	1.8	-0.1	0.0	11.0	-0.8	0.1	
VFJAMN	0.3	-1.2	0.1	20.8	0.6	0.4	27.9	0.6	0.1	1.9	0.0	0.1	14.8	0.2	0.2	
XAANXG	0.1	-1.4	0.0	0.2	-5.2X	0.0	0.3	-7.4X	0.0	0.0	-1.7	0.0	0.1	-3.5X	0.0	
XE6F7E	2.6	0.5	0.1	18.2	-0.1	0.1	24.7	-0.3	0.1	1.1	-0.7	0.1	14.0	0.0	0.0	
YQBX8F	1.1	-0.6	0.7	20.5	0.6	0.4	28.0	0.6	0.2	2.0	0.1	0.2	14.9	0.2	0.1	

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	1.97			18.5			25.9			1.93			13.9			
Median Abs Dev	0.66			2.1			1.8			0.43			1.7			
Avg Within Lab SD	0.28			0.9			1.0			0.51			0.8			
Labs Included	28			30			30			29			30			
Labs Reporting	31			32			32			31			32			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	76.5	-1.4	0.4	66.1	-1.5	1.0	31.1	-2.5	0.5	17.0	-2.4	0.4	8.2	-1.6	0.8	
66P92W	94.5	0.2	0.6	74.8	-0.7	0.7	36.7	-1.3	0.2	25.0	-0.5	0.7	10.0	-0.2	0.6	
68RCPC	86.3	-0.5	0.2	78.3	-0.3	0.4	42.3	-0.2	0.4	26.0	-0.2		11.0	0.5		
6P2U7C	90.6	-0.2	1.8	77.7	-0.4	1.5	44.1	0.2	2.2	27.6	0.2	2.2	11.6	1.0	1.4	
6R323A	92.8	0.0	0.1	82.3	0.1	0.3	42.5	-0.1	0.6	25.5	-0.4	0.2	9.9	-0.3	0.0	
6Y3L66	84.0	-0.8		78.0	-0.3		44.7	0.3	0.4	28.3	0.3	0.5	10.2	-0.1	0.5	
8NDCV3	89.2	-0.3	0.1	92.4	1.1	0.1	42.7	-0.1	0.1	55.8	6.9X	0.1	8.4	-1.5	0.1	
B9CW84	77.8	-1.3	0.3	69.4	-1.2	0.3	33.7	-2.0	0.3	22.7	-1.0	0.5	8.1	-1.7	0.3	
C8UCRY	92.5	0.0	0.1	71.1	-1.0	0.3	34.5	-1.8	0.4	24.8	-0.5	0.5	9.7	-0.5	0.5	
DH64VY	95.7	0.3	1.1	78.7	-0.3	0.4	41.3	-0.4	0.9	27.7	0.2	1.2	11.0	0.5		
DKCC76	96.0	0.3	0.4	80.0	-0.1		45.3	0.5	0.4	27.0	0.0		10.3	0.0	1.0	
EW63HV	99.7	0.6	1.8	91.1	1.0	2.3	43.1	0.0	1.3	23.3	-0.9	0.9	10.3	-0.1	1.9	
GR4XGM	3.1	-7.9X	0.0	6.4	-7.6X	0.6	5.7	-7.7X	0.1	8.1	-4.5X	0.1	1.1	-7.0X	0.1	
HDYRBV	96.7	0.4	0.2	86.8	0.6	0.5	43.1	0.0	0.2	28.8	0.4	0.2	8.4	-1.4	0.6	
HRZQW7	75.0	-1.6	0.4	77.7	-0.4	0.4	47.7	0.9	0.4	27.0	0.0		12.0	1.3	0.1	
J4ALQW	55.9	-3.2	0.0	56.3	-2.5	0.0	41.7	-0.3	0.0	26.8	0.0	0.0	10.4	0.1	0.0	
JNUMLV	111.5	1.7	0.2	100.3	1.9	0.3	51.4	1.7	0.0	37.7	2.6	0.1	11.5	0.9	0.6	
KYUD3W	100.7	0.7	1.2	81.3	0.0	0.8	44.0	0.2	0.8	27.7	0.2	0.5	11.0	0.5		
LWLKNN	93.4	0.1	0.5	83.8	0.3	1.0	43.6	0.1	0.8	26.3	-0.2	1.1	10.9	0.5	0.5	
QB7QMK	94.6	0.2	3.4	79.9	-0.1	1.2	41.7	-0.3	2.9	35.6	2.1	2.6	11.2	0.7	2.8	
QEKBLT	87.0	-0.5	0.4	80.3	-0.1	0.8	43.3	0.0	0.9	27.0	0.0	0.8	11.0	0.5		
QZKP6P	100.3	0.7	0.2	91.0	1.0	0.7	48.7	1.1	0.4	30.3	0.8	0.5	10.7	0.3	1.0	
RFCRDF	87.9	-0.4	0.8	86.9	0.6	0.2	38.3	-1.0	0.6	22.1	-1.2	0.3	11.3	0.8	1.2	
RLK63R	89.0	-0.3	1.9	82.0	0.1	0.7	42.7	-0.1	1.6	29.7	0.6	2.0	10.3	0.0	1.0	
RX9EGK	100.7	0.7	0.2	83.5	0.2	1.3	47.7	0.9	0.2	27.6	0.1	0.2	11.2	0.7	0.3	
VFJAMN	95.2	0.2	0.1	87.0	0.6	0.6	46.1	0.6	0.0	28.9	0.5	0.5	10.1	-0.2	0.2	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
YQBX8F	89.0	-0.3	0.8	83.3	0.2	0.4	41.3	-0.4	0.4	28.3	0.3	0.5	9.0	-1.0	1.8	
YQT2PE	92.3	0.0	0.2	73.0	-0.8	2.0	37.7	-1.1	2.4	21.0	-1.4		11.7	1.0	1.0	
Z63EAJ	103.1	0.9	0.2	91.9	1.1	0.7	45.4	0.5	0.3	25.0	-0.5	1.0	9.3	-0.8	0.1	
ZZWCUH	73.2	-1.7	0.7	91.7	1.0	2.5	48.0	1.0	0.7	21.1	-1.4	0.7	8.6	-1.3	0.2	

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	92.5			81.3			43.1			27.0			10.3			
Median Abs Dev	4.6			5.4			1.8			1.9			0.7			
Avg Within Lab SD	2.4			1.5			1.3			1.3			0.6			
Labs Included	29			29			29			28			29			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg														
														SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score										
37PMHB	49.0		1.5	50.7		0.6	29.0		1.6	19.3		1.3	5.7		1.4													
G7H4TL	65.2		0.6	64.6		1.6	41.0		0.6	24.9		1.1	9.4		0.8													
TN4NEA	71.0		0.5	63.6		0.5	39.6		0.2	23.2		0.5	7.8		0.6													
PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg														
														SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	65.2			63.6			39.6			23.2			7.79															
Median Abs Dev																												
Avg Within Lab SD	1.1			1.0			0.6			0.5			0.41															
Labs Included	3			3			3			3			3															
Labs Reporting	3			3			3			3			3															



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	20.3	0.0	0.4	43.7	0.6	0.8	16.3	0.0	0.8	8.9	-0.5	0.1	6.4	-0.2	0.4	
2GC949	20.3	0.0	0.4	38.7	-0.1	0.8	16.7	0.1	0.4	10.0	-0.1		6.7	-0.1	0.6	
3QJ2GA	29.8	1.9	0.4	49.5	1.4	0.1	16.0	-0.1	0.3	12.1	0.7	0.4	9.6	1.0	0.4	
68RCPC	38.0	3.6X	0.7	66.3	3.7X	0.4	23.0	1.7		12.0	0.7		8.3	0.5	0.6	
6P2U7C	26.1	1.2	2.5	56.8	2.4	3.4	23.1	1.7	2.7	15.0	1.8	3.7	11.8	1.8	3.3	
7X9XNV	21.5	0.2	0.1	39.7	0.0	0.0	16.4	0.0	0.0	8.9	-0.5	0.0	6.5	-0.2	0.0	
C4VNJ6	31.7	2.3	1.1	45.0	0.7	0.7	42.7	6.6X	6.7	22.3	4.6X	4.5	23.0	6.0X		
D9FD98	24.0	0.7		38.3	-0.2	0.4	19.3	0.7	0.4	10.7	0.2	0.5	8.0	0.4		
DH64VY	18.1	-0.5	1.4	35.6	-0.6	0.9	14.0	-0.6	0.0	10.2	0.0	1.0	5.2	-0.7	1.4	
DKCC76	25.0	0.9		43.3	0.5	0.4	16.3	0.0	0.4	9.3	-0.3	0.5	6.0	-0.4		
EDTFU3	23.1	0.5	0.6	45.8	0.8	1.1	18.4	0.5	1.5	10.7	0.2	1.0	7.9	0.4	0.4	
G7H4TL	18.3	-0.4	1.1	34.0	-0.8	1.2	15.7	-0.2	0.4	11.3	0.4	0.5	8.3	0.5	1.2	
GR4XGM	3.1	-3.5X	0.1	6.4	-4.6X	0.6	5.7	-2.7	0.1	8.1	-0.8	0.1	1.1	-2.2	0.1	
HH9FFJ	20.5	0.0	0.3	41.6	0.3	0.3	16.2	0.0	0.4	9.1	-0.4	0.2	7.0	0.0	0.4	
HRZQW7	20.0	-0.1	0.7	34.3	-0.7	1.0	19.3	0.7	0.4	11.5	0.5	0.8	8.8	0.7	0.4	
HVJTVY	11.8	-1.8		25.5	-2.0		10.8	-1.4		8.7	-0.6		4.3	-1.0		
J48ZVF	13.2	-1.5	0.6	24.5	-2.1	0.8	12.0	-1.1	0.9	7.2	-1.1	1.1	5.3	-0.6	1.1	
JBUL9U	19.5	-0.2	0.4	40.7	0.1	1.0	17.9	0.4	0.6	12.8	1.0	0.6	9.0	0.8	0.5	
JHRBPY	19.5	-0.2	0.6	32.4	-1.0	0.5	14.3	-0.5	0.2	8.9	-0.5	0.1	6.0	-0.4	0.3	
KYUD3W	21.7	0.3	0.4	40.0	0.0	0.7	18.7	0.6	0.4	11.3	0.4	0.5	5.7	-0.5	0.6	
LWLKNN	17.2	-0.6	0.4	40.4	0.1	0.3	14.5	-0.5	0.3	7.7	-0.9	0.6	5.9	-0.4	0.4	
NMNUTR	18.6	-0.4	1.7	37.1	-0.4	1.5	13.9	-0.6	1.0	10.2	0.0	0.9	6.2	-0.3	0.2	
QEKBLT	20.0	-0.1		39.0	-0.1	0.7	17.0	0.1	0.7	11.3	0.4	0.5	8.3	0.5	0.6	
QZKP6P	26.0	1.1		48.3	1.2	0.8	17.3	0.2	0.4	11.0	0.3		7.0	0.0		
RFCRDF	20.6	0.0	2.0	35.7	-0.5	0.3	14.3	-0.5	0.9	10.1	0.0	1.1	4.9	-0.8	0.1	
RLK63R	25.3	1.0	0.4	45.0	0.7	0.7	17.0	0.1	1.4	10.7	0.2	0.5	7.3	0.1	0.6	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
TBGGH9	23.2	0.6	0.5	40.0	0.0	2.1	22.9	1.6	1.4	17.8	2.9	1.0	12.3	2.0	1.3	
TN4NEA	19.4	-0.2	0.1	39.6	0.0	0.1	17.8	0.4	0.5	10.9	0.3	0.3	7.3	0.1	0.0	
TNLTVM	25.3	1.0	0.2	51.4	1.6	0.3	22.3	1.5	0.3	11.3	0.4	0.2	9.2	0.8	0.3	
U4U4ZK	23.3	0.6	2.4	37.0	-0.4		21.7	1.3	2.1	18.0	3.0	2.5	15.0	3.0	2.9	
V24ATH	21.3	0.2	0.0	40.8	0.2	0.6	16.3	0.0	0.3	10.1	0.0	0.4	8.4	0.5	0.3	
XAANXG	23.0	0.5	0.7	42.0	0.3		18.0	0.4		9.0	-0.4		6.3	-0.2	1.2	
XE6F7E	14.1	-1.3	0.2	31.1	-1.2	0.4	13.7	-0.7	0.2	6.0	-1.6	0.1	3.8	-1.2	0.1	
YQBX8F	19.7	-0.2	0.4	39.0	-0.1	0.7	16.3	0.0	0.4	8.7	-0.6	0.5	6.7	-0.1	0.6	
Z63EAJ	18.2	-0.5	1.3	35.2	-0.6	0.8	16.0	-0.1	0.7	10.1	0.0	0.3	6.0	-0.4	0.2	
ZZWCUH	10.6	-2.0	0.4	32.0	-1.1	0.7	26.3	2.5	2.7	5.5	-1.8	0.3	8.8	0.7	0.3	

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	20.4			39.7			16.4			10.2			6.99			
Median Abs Dev	2.5			4.0			2.0			1.2			1.34			
Avg Within Lab SD	1.4			1.5			1.4			1.1			0.93			
Labs Included	34			34			35			35			35			
Labs Reporting	36			36			36			36			36			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
G7H4TL	1.47		1.22	3.79		1.29	6.51		1.37	25.89		0.85	1.71		1.15	
HRZQW7	2.33		0.72	5.17		0.58	8.33		0.35	29.13		1.13	2.47		0.83	
PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	1.90			4.48			7.42			27.5			2.09			
Median Abs Dev																
Avg Within Lab SD	0.08			0.10			0.33			1.1			0.07			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
SRS1806				SRS1807			SRS1808			SRS1809			SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	62.0		1.4	59.7		1.3	33.7		1.0	19.7		1.1	7.8		1.2
7FN7MB	54.4		0.3	50.8		0.5	31.7		1.0	16.9		0.8	7.0		0.8
PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
SRS1806				SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	58.2			55.2			32.7			18.3			7.37		
Median Abs Dev															
Avg Within Lab SD	3.3			3.7			0.6			0.5			0.39		
Labs Included	2			2			2			2			2		
Labs Reporting	2			2			2			2			2		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	122.8	0.0	0.8	134.7	0.3	0.3	83.4	0.7	0.5	92.2	0.5	0.2	19.6	-0.5	0.5	
DKCC76	124.3	0.1	0.1	131.0	-0.1	0.3	79.0	0.1		94.0	0.7	0.4	20.7	0.0	0.5	
HRZQW7	99.7	-2.0	0.4	111.3	-2.3	0.1	71.7	-0.9	0.5	75.0	-1.4		20.7	0.0	0.5	
LWLKNN	123.9	0.1	1.3	132.9	0.1	1.0	78.3	0.0	1.6	87.9	0.0	1.7	22.6	0.9	1.5	
QEKBLT	113.0	-0.9	2.0	132.3	0.0	2.4	74.0	-0.6	1.7	77.3	-1.1	1.0	19.7	-0.5	1.4	
QZKP6P	130.7	0.7	0.5	140.3	0.9	0.3	83.7	0.8	0.3	94.0	0.7	0.4	22.0	0.6		
YQBX8F	112.3	-0.9	0.6	121.7	-1.1	0.3	67.0	-1.6	0.3	84.3	-0.4	1.3	16.0	-2.2		

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	122.8			132.3			78.3			87.9			20.7			
Median Abs Dev	7.9			2.3			5.1			6.1			1.1			
Avg Within Lab SD	4.0			7.2			3.4			2.4			1.1			
Labs Included	7			7			7			7			7			
Labs Reporting	7			7			7			7			7			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Water Soluble (SubTestCode 139) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg														
													SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score									
EDTFU3	0.16		1.17	0.20		0.05	0.16		0.07	0.14		0.09	0.18		1.24												
UADE4N	1.25		0.79	5.86		1.41	4.73		1.41	7.56		1.41	2.66		0.67												
PO4-P Water Soluble (SubTestCode 139) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg														
													SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median		0.71			3.03			2.45			3.85			1.42													
Median Abs Dev																											
Avg Within Lab SD		0.04			0.36			0.14			0.17			0.04													
Labs Included		2			2			2			2			2													
Labs Reporting		2			2			2			2			2													



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	1.2	-1.2	0.3	19.3	-0.5	0.2	5.5	-0.4	0.1	14.3	-0.1	0.4	3.1	-0.7	0.1	
3QJ2GA	5.5	0.2	0.4	51.4	1.0	0.2	5.4	-0.4	0.4	10.9	-0.6	0.2	8.8	1.4	0.3	
67KPKK	3.5	-0.4	0.5	12.0	-0.9	0.1	5.2	-0.5	0.3	43.2	3.7	0.5	3.3	-0.6	0.2	
68RCPC	4.0	-0.3		26.7	-0.2	0.2	7.7	0.5	0.6	13.0	-0.3		5.7	0.2	0.5	
6P2U7C	5.1	0.1	0.3	49.5	0.9	0.9	9.6	1.3	0.4	18.5	0.4	0.7	7.8	1.0	0.2	
6R323A	6.8	0.6	0.1	30.0	0.0	0.3	7.0	0.3	0.1	13.6	-0.2	0.1	3.5	-0.6	0.2	
7FN7MB				23.2	-0.3	0.7	6.2	-0.1	0.5	13.7	-0.2	0.9	4.6	-0.2	0.4	
D9FD98	2.3	-0.8	0.6	3.3	-1.3	0.2	3.3	-1.2	0.6	19.3	0.5	0.4	2.7	-0.9	0.5	
DH64VY	4.9	0.0	0.1	39.2	0.4	0.1	6.9	0.2	0.3	14.9	0.0	0.2	6.8	0.6	0.4	
DKCC76	7.2	0.8	0.6	30.6	0.0	0.1	7.3	0.4	0.2	14.0	-0.2	0.0	5.0	0.0	0.1	
EW63HV	6.2	0.4	0.4	34.8	0.2	1.0	6.5	0.0	0.3	15.5	0.0	0.5	8.0	1.1	0.2	
GR4XGM	3.4	-0.5	2.8	43.0	0.6	1.2	6.0	-0.1	1.6	17.2	0.3	0.7	4.4	-0.2	3.5	
KYUD3W	2.0	-0.9		26.7	-0.2	0.2	6.3	0.0	0.6	16.7	0.2	0.4	3.3	-0.6	0.5	
LWLKNN	5.7	0.3	1.5	37.0	0.3	1.3	7.7	0.5	1.3	17.3	0.3	1.0	7.3	0.9	1.9	
QB7QMK	0.5	-1.4	0.0	21.3	-0.4	0.1	5.9	-0.2	0.2	14.5	-0.1	0.4	3.2	-0.7	0.1	
QEKBTL	2.4	-0.8	0.4	20.3	-0.5	0.3	6.3	0.0	0.6	16.6	0.2	0.5	5.1	0.0	0.2	
QZKP6P	4.0	-0.3		51.7	1.0	0.2	5.7	-0.3	0.6	15.0	0.0		4.3	-0.3	0.5	
RR4HXK	6.6	0.6	1.8	72.1	2.0	3.6	11.9	2.2	3.5	35.2	2.7	3.6	6.9	0.7	1.3	
TCB6YH	8.4	1.1		88.2	2.7		14.9	3.5		37.7	3.0		11.5	2.4		
XE6F7E	11.6	2.2	0.1	29.5	0.0	0.0	9.6	1.3	0.1	11.8	-0.5	0.0	5.7	0.3	0.0	

SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	4.88			30.3			6.40			15.2			5.03			
Median Abs Dev	1.71			9.5			0.92			1.8			1.72			
Avg Within Lab SD	0.99			3.5			0.92			1.5			1.21			
Labs Included	19			20			20			20			20			
Labs Reporting	19			20			20			20			20			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups

Data units: mg/kg

WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
28NHGG	69.3	-0.5	0.5	343.3	-0.1	0.6	150.0	-0.2		180.0	-0.7		136.7	-0.4	0.9
2GC949	73.7	0.0	0.2	354.0	0.3	0.3	152.0	0.0	0.2	180.0	-0.7	0.2	143.0	0.0	0.2
2RTVDA	65.1	-0.9	1.2	319.4	-1.1	2.8	142.4	-0.9	3.1	163.7	-1.3	2.1	136.0	-0.5	1.4
37PMHB	59.7	-1.5	0.4	310.3	-1.5	0.1	152.3	0.0	0.3	179.3	-0.7	0.2	138.3	-0.3	0.2
3QJ2GA	78.4	0.5	0.6	382.2	1.5	1.8	157.9	0.5	1.3	218.9	0.8	0.4	155.4	0.9	0.7
66P92W	79.4	0.6	0.3	340.2	-0.3	0.2	143.3	-0.8	0.2	201.9	0.1	0.3	129.4	-0.9	0.3
68RCPC	71.7	-0.2	0.2	352.0	0.2	0.2	152.0	0.0	0.4	211.7	0.5	0.2	139.7	-0.2	0.1
6P2U7C	73.0	-0.1	2.8	329.9	-0.7	0.6	159.0	0.6	1.6	165.9	-1.2	4.5	174.0	2.2	2.4
6R323A	88.6	1.6	0.2	328.3	-0.8	0.1	155.7	0.3	0.1	203.6	0.2	0.1	143.8	0.1	0.1
7FN7MB				358.7	0.5	0.2				199.0	0.0				
8NDCV3	74.1	0.0	0.0	367.9	0.9	0.0	144.1	-0.8	0.0	202.3	0.2	0.0	146.9	0.3	0.0
9RB939	88.3	1.5	1.0	360.1	0.6	0.6	168.7	1.5	2.1	195.2	-0.1	0.5	154.6	0.8	0.4
B9CW84	71.5	-0.2	0.3	338.9	-0.3	0.1	149.7	-0.2	0.4	199.8	0.1	0.3	141.4	-0.1	0.3
C4VNJ6	75.7	0.2	0.2	353.0	0.3	0.7	166.7	1.3	0.9	199.0	0.0	0.8	172.7	2.1	0.9
C8UCRY	86.5	1.4	0.8	334.1	-0.5	1.1	147.5	-0.4	1.0	197.9	0.0	0.1	136.7	-0.4	0.4
DH64VY	73.7	0.0	0.3	318.7	-1.2	0.8	153.7	0.1	0.3	229.0	1.2	0.4	150.7	0.6	0.4
DKCC76	85.0	1.2	0.3	339.7	-0.3	0.1	163.3	1.0	0.5	230.0	1.2	0.2	148.7	0.4	0.2
EDTFU3	70.0	-0.4	0.4	355.5	0.4	0.4	155.9	0.3	0.7	187.6	-0.4	0.9	142.3	0.0	1.2
EW63HV	74.4	0.1	0.5	365.6	0.8	0.4	150.1	-0.2	0.3	215.2	0.6	0.4	145.0	0.2	0.6
G7H4TL	78.0	0.5	4.5	349.3	0.1	2.1	157.7	0.5	0.4	181.3	-0.7	0.7	147.7	0.4	0.8
GR4XGM	59.2	-1.5	0.4	291.3	-2.3	0.5	132.2	-1.8	0.3	163.0	-1.4	1.0	170.9	2.0	1.2
HH9FFJ	68.9	-0.5	0.5	363.4	0.7	0.4	155.1	0.3	0.7	178.9	-0.7	0.2	147.3	0.3	0.0
HVJTVY	76.0	0.2		359.0	0.5		163.0	1.0		170.0	-1.1		144.0	0.1	
J48ZVF	46.7	-2.8X	1.3	254.5	-3.9X	2.2	111.5	-3.8X	1.6	145.7	-2.0	0.8	132.3	-0.7	2.8
J4ALQW	73.3	0.0	0.0	338.9	-0.3	0.0	150.7	-0.1	0.0	213.4	0.6	0.0	138.3	-0.3	0.0
JBUL9U	91.0	1.8	1.1	378.7	1.3	1.8	160.0	0.7	1.9	231.4	1.3	0.9	143.5	0.1	2.8



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups

Data units: mg/kg

WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
JHRBPY	67.0	-0.7	0.2	319.9	-1.1	0.1	146.0	-0.6	0.0	170.7	-1.1	0.2	138.0	-0.3	0.0
KYUD3W	79.7	0.6	0.4	346.7	0.0	0.6	164.0	1.1	0.2	223.3	1.0	0.4	166.7	1.7	0.4
LWLKNN	71.7	-0.2	0.5	327.3	-0.8	1.6	153.0	0.1	1.5	203.3	0.2	0.6	123.3	-1.3	0.8
NMNUTR	76.7	0.3	1.6	372.7	1.1	2.2	149.0	-0.3	1.3	203.0	0.2	2.4	143.0	0.0	1.4
QB7QMK	70.6	-0.3	0.4	361.8	0.6	1.9	159.8	0.7	1.0	187.6	-0.4	0.7	147.2	0.3	1.2
QEKBLT	77.7	0.4	0.5	347.0	0.0	0.4	149.3	-0.3	1.5	216.7	0.7	1.0	131.0	-0.8	0.8
QZKP6P	62.7	-1.2	0.8	337.0	-0.4	0.6	142.0	-0.9	0.8	176.7	-0.8	0.5	117.3	-1.8	0.5
RFCRDF	72.7	-0.1	0.2	351.9	0.2	1.6	148.4	-0.3	0.3	207.4	0.3	0.4	136.5	-0.4	0.1
RLK63R	70.7	-0.3	1.5	342.3	-0.2	0.5	138.0	-1.3	2.2	193.3	-0.2	1.4	135.0	-0.5	2.8
RX9EGK	79.4	0.6	0.1	325.7	-0.9	0.1	145.7	-0.6	0.3	202.3	0.2	0.1	142.0	0.0	0.2
TBGGH9	62.0	-1.2	0.4	333.1	-0.6	0.3	144.4	-0.7	0.2	167.9	-1.2	0.4	130.0	-0.9	0.5
TN4NEA	78.4	0.5	0.7	360.5	0.6	0.3	176.8	2.3	0.7	206.4	0.3	0.6	148.5	0.4	0.2
TNLTVM	76.0	0.2	0.3	360.3	0.6	0.4	169.3	1.6	0.6	195.7	-0.1	0.6	170.0	1.9	0.7
U4U4ZK	56.3	-1.8	0.2	241.3	-4.4X	0.2	115.3	-3.4X	0.6	140.7	-2.2	0.4	114.3	-2.0	0.9
V24ATH	64.8	-0.9	0.2	318.5	-1.2	0.7	144.5	-0.7	0.7	175.2	-0.9	0.6	121.4	-1.5	0.3
VFJAMN	72.7	-0.1	0.7	355.0	0.3	0.3	145.1	-0.7	0.5	198.4	0.0	0.9	138.6	-0.3	0.1
XE6F7E	84.9	1.2	0.4	306.7	-1.7	0.3	166.5	1.3	0.2	169.9	-1.1	0.3	151.6	0.6	0.1
YQBX8F	77.6	0.4	0.1	361.3	0.6	0.2	154.7	0.2	0.4	213.7	0.6	0.6	144.3	0.1	0.1
YQT2PE	83.4	1.0	0.4	322.8	-1.0	0.6	146.7	-0.5	1.1	202.4	0.2	0.8	142.8	0.0	0.5
Z63EAJ	73.2	-0.1	0.6	361.8	0.6	0.6	152.5	0.0	0.1	182.0	-0.6	0.2	132.6	-0.7	0.2
ZZWCUH	98.3	2.6	0.9	341.0	-0.2	1.9	167.3	1.4	0.8	242.3	1.7	0.4	129.0	-1.0	0.3



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups						Data units: mg/kg
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	73.7	346.7	152.2	198.4	142.5	
Median Abs Dev	4.3	13.7	6.3	16.9	6.0	
Avg Within Lab SD	3.8	10.3	5.3	8.2	6.5	
Labs Included	45	45	44	47	46	
Labs Reporting	46	47	46	47	46	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	406.7	-0.3	0.9	740.0	0.0	0.3	1,300.0	0.1		1,700.0	-0.2		3,333.3	-0.2	0.5	
2GC949	502.0	1.0	0.2	831.7	1.1	0.4	1,446.0	1.1	0.1	1,825.3	0.3	0.1	3,569.7	0.5	0.2	
2RTVDA	372.8	-0.7	3.9	674.1	-0.8	3.8	1,323.8	0.3	3.8	1,681.8	-0.3	2.8	3,463.0	0.2	2.6	
37PMHB	385.3	-0.6	0.1	670.7	-0.8	0.0	1,132.3	-1.0	0.0	1,621.7	-0.6	0.0	3,151.3	-0.8	0.0	
3QJ2GA	458.6	0.4	1.8	786.9	0.5	1.6	1,258.1	-0.2	2.5	1,981.4	1.0	0.8	3,754.5	1.1	0.6	
66P92W	468.4	0.5	0.6	788.8	0.6	1.3	1,223.5	-0.4	0.4	1,756.8	0.0	0.4	3,261.6	-0.4	0.3	
68RCPC	407.7	-0.3	0.5	707.7	-0.4	0.2	1,196.7	-0.6	0.3	1,891.7	0.6	0.1	3,382.7	-0.1	0.0	
6P2U7C	425.7	0.0	1.0	729.9	-0.1	0.6	1,312.0	0.2	0.6	1,686.1	-0.3	0.6	3,444.9	0.1	1.6	
6R323A	487.1	0.8	0.0	740.6	0.0	0.1	1,302.9	0.1	0.2	1,995.7	1.0	0.1	3,277.2	-0.4	0.2	
7FN7MB	443.7	0.2	0.2	803.0	0.7	2.4	1,457.0	1.2	1.8	1,740.7	0.0	0.8	3,727.3	1.0	1.5	
9RB939	443.1	0.2	0.4	797.9	0.7	0.9	1,417.9	0.9	0.1	1,730.0	-0.1	0.2	3,792.8	1.2	0.2	
B9CW84	509.1	1.1	0.2	844.0	1.2	0.1	1,425.7	1.0	0.2	2,037.7	1.2	0.1	3,552.7	0.5	0.2	
C4VNJ6	429.3	0.0	0.5	745.0	0.1	0.8	1,476.7	1.3	0.7	1,913.3	0.7	0.6	4,220.0	2.5	1.2	
C8UCRY	408.2	-0.3	1.1	798.5	0.7	1.0	1,142.1	-1.0	0.3	1,751.1	0.0	0.6	3,264.3	-0.4	0.5	
D9FD98	406.7	-0.3	0.7	726.7	-0.2	0.8	1,326.7	0.3	0.7	1,793.3	0.2	0.3	3,500.0	0.3	0.4	
DH64VY	374.8	-0.7	1.2	739.3	0.0	0.8	1,110.4	-1.2	0.2	1,889.8	0.6	1.2	3,224.8	-0.6	0.7	
DKCC76	481.3	0.7	0.1	778.3	0.4	0.1	1,320.7	0.2	0.4	2,065.3	1.3	0.1	3,330.0	-0.2	0.1	
EDTFU3	426.2	0.0	1.3	744.6	0.0	1.5	1,344.4	0.4	1.8	1,711.9	-0.2	0.9	3,391.8	0.0	0.6	
EW63HV	439.5	0.2	1.1	790.2	0.6	0.8	1,242.0	-0.3	1.2	1,972.3	0.9	0.4	3,594.3	0.6	0.6	
G7H4TL	426.7	0.0	0.7	753.3	0.1	1.5	1,366.7	0.6	0.7	1,720.0	-0.1	0.2	3,566.7	0.5	1.0	
GR4XGM	357.8	-0.9	0.7	678.2	-0.7	0.5	1,258.8	-0.2	0.3	1,597.7	-0.7	0.4	3,263.7	-0.4	0.6	
HH9FFJ	220.9	-2.7X	0.5	580.5	-1.8	0.2	1,231.6	-0.4	0.2	1,608.2	-0.6	0.2	3,509.3	0.3	0.5	
J48ZVF	272.7	-2.1	1.5	551.7	-2.2	1.7	1,034.0	-1.7	1.1	1,215.7	-2.3	0.7	3,219.7	-0.6	3.2	
J4ALQW	497.5	0.9	0.0	769.4	0.3	0.0	1,318.6	0.2	0.0	1,869.1	0.5	0.0	3,157.6	-0.8	0.0	
JBUL9U	410.7	-0.2	0.7	707.7	-0.4	0.6	1,168.9	-0.8	1.4	1,813.6	0.3	1.1	2,913.7	-1.5	2.3	
JHRBPY	350.6	-1.0	0.1	613.3	-1.5	0.1	1,134.7	-1.0	0.3	1,322.2	-1.8	0.1	3,314.9	-0.3	0.2	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
KYUD3W	535.0	1.4	0.3	843.3	1.2	0.2	1,483.0	1.3	0.2	1,725.0	-0.1	5.1	4,311.7	2.8	0.1	
LWLKNN	412.0	-0.2	2.7	734.3	-0.1	1.0	1,313.0	0.2	1.4	2,028.7	1.2	0.6	3,461.3	0.2	0.5	
NMNUTR	463.7	0.5	0.6	864.0	1.4	0.1	1,426.7	1.0	0.4	2,116.7	1.6	0.8	3,636.7	0.7	0.1	
QB7QMK	457.6	0.4	0.9	884.2	1.7	1.7	1,587.7	2.1	1.2	1,979.6	1.0	0.8	3,950.7	1.7	1.9	
QEKBLT	473.0	0.6	0.8	771.3	0.4	0.9	1,252.0	-0.2	0.5	1,860.0	0.5	0.2	3,232.0	-0.5	0.9	
QZKP6P	300.0	-1.7	0.6	570.0	-2.0	0.3	1,043.3	-1.6	0.1	1,376.7	-1.6	0.1	3,036.7	-1.1	0.6	
RFCRDF	543.9	1.5	0.3	826.1	1.0	0.2	1,372.9	0.6	0.2	1,968.1	0.9	0.2	3,648.4	0.8	0.1	
RLK63R	399.0	-0.4	0.9	722.7	-0.2	0.5	1,174.0	-0.8	1.4	1,768.0	0.1	0.4	2,973.3	-1.3	1.1	
RX9EGK	498.0	0.9	0.1	703.3	-0.4	0.1	1,287.3	0.0	0.2	1,864.0	0.5	0.1	3,444.7	0.1	0.4	
TBGGH9	397.5	-0.4	0.4	737.1	0.0	0.3	1,298.7	0.1	0.3	1,655.3	-0.4	0.1	3,357.3	-0.1	0.6	
TN4NEA	517.7	1.2	0.2	828.2	1.0	0.3	1,304.1	0.1	1.0	1,547.7	-0.9	0.1	3,352.2	-0.2	1.1	
TNLTVM	359.7	-0.9	0.0	653.0	-1.0	0.5	1,192.0	-0.6	0.3	1,651.3	-0.4	0.2	3,416.0	0.0	0.4	
U4U4ZK	301.0	-1.7	0.8	496.3	-2.8X	0.4	980.0	-2.1	1.2	1,252.7	-2.1	0.9	2,900.3	-1.6	1.5	
V24ATH	405.3	-0.3	0.4	674.0	-0.8	0.6	1,182.2	-0.7	0.2	1,449.1	-1.3	0.2	3,123.2	-0.9	0.5	
XE6F7E	606.8	2.4	0.8	731.9	-0.1	0.2	1,285.3	0.0	0.2	1,655.3	-0.4	0.1	3,159.2	-0.8	0.1	
YQBX8F	479.7	0.7	0.2	806.3	0.8	0.1	1,283.0	0.0	0.7	1,816.7	0.3	0.2	3,578.3	0.5	0.4	
YQT2PE	444.8	0.2	0.1	758.7	0.2	0.4	1,188.8	-0.7	0.5	1,860.1	0.5	0.3	3,482.3	0.2	0.3	
Z63EAJ	356.1	-0.9	0.4	698.8	-0.5	0.2	1,248.9	-0.2	0.1	1,700.6	-0.2	0.1	3,611.9	0.6	0.5	
ZZWCUH	431.3	0.0	0.7	629.3	-1.3	0.2	1,076.3	-1.4	0.6	1,581.3	-0.7	0.2	1,646.7	-5.4X	0.3	

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	428.0			740.3			1,285.3			1,751.1			3,403.9			
Median Abs Dev	41.5			49.2			87.6			118.0			168.8			
Avg Within Lab SD	16.2			30.1			44.8			110.1			108.8			
Labs Included	44			44			45			45			44			
Labs Reporting	45			45			45			45			45			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	47.3	-0.3	0.4	176.7	-0.1	0.8	130.0	-0.5		153.3	-0.7	0.9	660.0	0.1	0.9	
2GC949	63.0	1.1		197.0	0.8	0.5	154.0	0.9		172.3	0.0	0.2	675.3	0.3	0.2	
2RTVDA	48.1	-0.3	2.5	169.4	-0.4	2.9	138.6	0.0	3.9	153.8	-0.7	3.2	663.1	0.1	3.0	
37PMHB	50.0	-0.1	0.4	175.3	-0.1	0.2	130.3	-0.5	0.4	165.3	-0.3	0.2	695.0	0.5	0.1	
3QJ2GA	59.4	0.8	0.8	223.5	1.9	1.8	152.8	0.9	1.3	198.2	1.0	1.5	817.6	2.1	1.8	
66P92W	56.5	0.5	0.1	188.9	0.4	0.4	141.4	0.2	0.2	182.2	0.4	0.4	669.2	0.2	0.2	
68RCPC	61.0	0.9	0.8	179.7	0.0	0.4	132.7	-0.3	0.5	173.0	0.0	0.1	598.7	-0.7	0.2	
6P2U7C	50.2	-0.1	1.4	184.2	0.2	0.9	141.1	0.2	0.5	158.2	-0.5	0.5	657.9	0.1	0.6	
6R323A	52.5	0.1	0.1	166.5	-0.5	0.1	134.2	-0.2	0.3	187.8	0.6	0.1	605.3	-0.6	0.2	
7FN7MB				183.0	0.2	2.3	138.7	0.0	1.1	153.3	-0.7	1.4	686.7	0.4	2.1	
9RB939	48.1	-0.3	0.9	180.9	0.1	1.0	144.7	0.4	0.4	167.2	-0.2	0.2	667.6	0.2	0.2	
B9CW84	61.0	0.9	0.6	196.0	0.7	0.3	151.4	0.8	0.5	190.8	0.7	0.5	684.4	0.4	0.1	
C4VNJ6	53.0	0.2	0.4	176.0	-0.1	1.3	148.3	0.6	0.6	172.0	0.0	0.6	776.7	1.6	1.1	
C8UCRY	61.5	1.0	0.3	206.7	1.2	0.7	150.4	0.7	0.8	196.3	0.9	0.3	688.3	0.4	0.6	
D9FD98	54.3	0.3	0.4	188.0	0.4	0.3	148.3	0.6	0.6	169.3	-0.1	1.5	684.7	0.4	0.2	
DH64VY	44.1	-0.6	1.0	190.7	0.5	1.0	121.6	-1.0	0.5	188.0	0.6	1.3	613.3	-0.5	0.9	
DKCC76	51.0	0.0		170.0	-0.4	0.2	133.0	-0.3	0.4	191.7	0.7	0.2	579.0	-0.9	0.2	
EDTFU3	53.7	0.2	1.5	182.3	0.2	0.9	140.6	0.1	3.2	156.6	-0.6	2.5	637.0	-0.2	0.9	
EW63HV	60.2	0.8	1.5	178.2	0.0	0.8	142.0	0.2	0.8	174.3	0.1	1.5	607.8	-0.6	1.0	
G7H4TL	52.4	0.1	2.7	185.7	0.3	2.0	153.0	0.9	1.3	169.0	-0.1		686.0	0.4	0.8	
GR4XGM	39.3	-1.1	0.4	158.3	-0.8	0.5	127.1	-0.7	0.1	149.8	-0.8	1.0	622.2	-0.4	0.6	
HH9FFJ	38.2	-1.2	0.3	176.1	-0.1	0.1	134.3	-0.2	0.1	151.5	-0.8	0.4	694.2	0.5	0.7	
J48ZVF	30.6	-1.8	1.8	111.7	-2.8	1.6	102.3	-2.2	0.9	124.8	-1.8	1.1	522.4	-1.6	2.9	
J4ALQW	54.6	0.3	0.0	178.6	0.0	0.0	138.0	0.0	0.0	193.1	0.8	0.0	612.8	-0.5	0.0	
JBUL9U	31.1	-1.8	0.5	173.8	-0.2	1.1	123.2	-0.9	0.6	169.0	-0.1	0.2	624.6	-0.4	0.2	
JHRBPY	39.6	-1.0	0.1	144.5	-1.4	0.2	124.4	-0.8	0.0	142.8	-1.1	0.1	609.4	-0.5	0.1	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
KYUD3W	72.3	1.9	1.0	203.3	1.0	0.4	166.7	1.7	0.4	207.3	1.3	0.4	826.7	2.2	0.1	
LWLKNN	50.3	-0.1	2.1	172.0	-0.3	1.0	134.0	-0.3	1.1	184.3	0.5	2.4	590.3	-0.8	1.7	
NMNUTR	49.0	-0.2	0.4	205.3	1.1	0.4	147.0	0.5	0.4	189.7	0.7	1.6	692.7	0.5	0.4	
QB7QMK	47.8	-0.3	0.4	204.2	1.1	1.8	150.9	0.8	0.9	173.2	0.0	0.9	714.3	0.8	1.9	
QEKBLT	60.0	0.8	0.4	190.7	0.5	0.6	140.3	0.1	0.6	185.3	0.5	0.8	623.3	-0.4	0.3	
QZKP6P	38.3	-1.1	1.2	149.7	-1.2	0.3	122.3	-1.0	0.5	150.3	-0.8	0.4	586.0	-0.8	0.8	
RFCRDF	54.1	0.3	0.4	188.6	0.4	1.3	142.1	0.2	0.4	189.0	0.6	0.5	714.7	0.8	0.2	
RLK63R	46.7	-0.4	0.8	178.7	0.0	0.4	127.0	-0.7	1.2	165.0	-0.3	0.1	599.0	-0.7	1.0	
RX9EGK	61.8	1.0	0.1	171.7	-0.3	0.5	142.3	0.2	0.3	181.3	0.4	0.2	644.0	-0.1	0.2	
TBGGH9	44.0	-0.6	0.3	173.2	-0.2	0.3	127.0	-0.7	0.3	145.3	-1.0	0.3	626.6	-0.3	0.1	
TN4NEA	56.7	0.5	0.9	269.4	3.8X	1.2	195.7	3.5X	1.4	178.6	0.3	0.3	779.1	1.6	0.4	
TNLTVM	38.3	-1.1	1.1	138.7	-1.7	0.3	121.3	-1.0	0.1	139.7	-1.2	0.4	611.3	-0.5	0.1	
U4U4ZK	34.3	-1.5	0.6	94.0	-3.5X	0.2	97.3	-2.5	1.4	118.0	-2.0	1.1	466.0	-2.4	0.7	
V24ATH	50.8	0.0	0.7	156.5	-0.9	1.0	131.5	-0.4	0.2	149.8	-0.8	0.1	578.2	-0.9	0.9	
XE6F7E	63.1	1.1	0.2	147.8	-1.3	0.4	119.6	-1.1	0.1	135.2	-1.4	0.1	559.5	-1.2	0.2	
YQBX8F	54.4	0.3	0.2	197.3	0.8	0.2	140.7	0.1	0.1	180.7	0.3	0.5	648.3	-0.1	0.1	
YQT2PE	50.9	0.0	1.2	191.3	0.5	0.4	139.8	0.1	0.6	190.8	0.7	0.5	693.7	0.5	0.8	
Z63EAJ	25.3	-2.3	0.1	118.0	-2.5	0.6	90.6	-2.9	0.4	104.0	-2.6	0.3	695.4	0.5	1.3	
ZZWCUH	54.7	0.3	1.4	142.7	-1.5	0.6	122.0	-1.0	0.5	186.7	0.6	0.7	346.0	-3.9X	0.2	

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	50.9			178.6			138.3			172.0			653.1			
Median Abs Dev	5.6			10.3			9.3			17.0			40.8			
Avg Within Lab SD	2.6			7.1			5.4			6.7			21.6			
Labs Included	44			43			44			45			44			
Labs Reporting	44			45			45			45			45			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	10.7	0.1	0.2	20.3	-0.3	0.7	18.7	-0.1	1.0	53.7	-0.5	0.2	14.3	-0.2	1.4	
2GC949	14.3	0.6	0.2	25.7	0.5	0.2	24.7	0.8	0.2	59.7	0.0	0.1	19.7	0.6	0.3	
2RTVDA	20.3	1.4	0.6	30.8	1.3	1.6	31.4	1.8	0.9	93.4	2.4	5.8	26.7	1.7	3.0	
37PMHB	6.3	-0.5	0.2	18.7	-0.5	0.4	16.7	-0.4	0.2	53.3	-0.5	0.2	15.3	0.0	0.3	
3QJ2GA	7.5	-0.3	0.4	15.6	-1.0	0.4	15.8	-0.6	0.7	64.2	0.3	0.1	9.9	-0.9	0.6	
66P92W	10.0	0.0	0.2	21.2	-0.1	0.4	19.7	0.0	0.2	61.1	0.1	0.1	13.4	-0.3	0.1	
6P2U7C	14.5	0.6	0.9	26.0	0.6	0.7	22.8	0.5	1.1	56.4	-0.3	0.5	21.8	1.0	1.1	
6R323A	14.9	0.7	0.3	21.4	-0.1	0.1	18.2	-0.2	0.0	62.0	0.1	0.0	15.2	0.0	0.0	
C4VNJ6	23.7	1.8	0.2	37.7	2.4	2.9	39.0	2.9	3.4	85.3	1.8	0.7	43.3	4.3	0.6	
C8UCRY	10.6	0.1	0.1	25.1	0.5	0.1	20.6	0.2	0.7	60.3	0.0	0.1	17.0	0.2	0.4	
D9FD98	7.0	-0.4		19.3	-0.4	0.4	19.3	0.0	0.5	60.0	0.0	0.2	14.7	-0.1	0.6	
DH64VY	4.0	-0.8	0.5	16.3	-0.9	1.6	12.8	-1.0	1.9	60.7	0.1	0.2	8.0	-1.2	0.7	
DKCC76	10.6	0.1	0.1	21.4	-0.1	0.2	20.7	0.2	0.1	68.2	0.6	0.1	15.3	0.0	0.1	
EDTFU3	6.9	-0.4	0.3	23.7	0.2	0.8	21.8	0.3	0.7	62.2	0.2	0.5	17.1	0.3	0.1	
EW63HV	7.5	-0.3	0.3	22.1	0.0	0.3	18.7	-0.1	0.5	69.3	0.7	0.1	19.9	0.7	0.8	
G7H4TL	10.0	0.0	0.8	23.0	0.1	0.8	19.9	0.1	0.5	55.2	-0.3	0.0	16.9	0.2	1.7	
GR4XGM	2.2	-1.0	0.1	13.4	-1.3	0.2	13.0	-1.0	0.1	48.6	-0.8	0.3	14.5	-0.2	3.1	
HH9FFJ										37.9	-1.6	0.5				
J48ZVF	6.3	-0.5	0.6	14.3	-1.2	0.4	13.7	-0.9	2.0	37.7	-1.6	0.3	8.6	-1.1	0.6	
JBUL9U	33.3	3.1	2.4	32.5	1.6	1.2	34.6	2.3	0.3	73.7	1.0	0.1	14.4	-0.2	1.3	
JHRBPY	6.7	-0.4	0.5	23.4	0.2	0.1	16.1	-0.5	0.2	51.7	-0.6	0.1	14.4	-0.2	0.5	
KYUD3W	11.7	0.2	0.2	22.3	0.0	0.5	20.0	0.1		69.7	0.7	0.1	17.3	0.3	0.3	
LWLKNN	9.0	-0.1	0.3	21.7	-0.1	0.7	19.0	-0.1	0.4	66.3	0.5	0.2	15.7	0.0	0.7	
NMNUTR	9.6	0.0	1.0	22.7	0.1	1.4	13.0	-1.0	0.2	85.3	1.8	0.5	14.7	-0.1	0.7	
QB7QMK	6.5	-0.5	0.7	19.5	-0.4	0.4	18.2	-0.2	0.3	58.0	-0.1	0.2	13.4	-0.3	0.4	
QEKBLT	12.3	0.3	0.3	24.0	0.3	0.1	18.5	-0.2	0.4	64.4	0.3	0.1	15.4	0.0	0.6	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
QZKP6P	6.7	-0.4	0.4	10.7	-1.7	0.8	18.3	-0.2	0.6	46.7	-1.0	0.3	5.0	-1.6	0.8	
RFCRDF	9.7	0.0	0.2	24.2	0.3	0.8	22.8	0.5	1.0	85.0	1.8	0.5	16.7	0.2	0.8	
RLK63R	7.7	-0.3	0.2	19.7	-0.4	0.5	17.3	-0.3	0.6	58.0	-0.1		14.0	-0.2	0.5	
TBGGH9	21.3	1.5	0.7	36.0	2.1	2.8	19.9	0.1	1.0	55.3	-0.3	0.5	20.7	0.8	1.1	
TN4NEA	7.2	-0.4	0.1	30.1	1.2	0.1	30.0	1.6	0.5	44.9	-1.1	0.1	21.5	0.9	0.4	
TNLTVM	11.7	0.2	0.6	24.3	0.3	0.5	23.0	0.5	0.7	58.7	-0.1	0.2	21.7	0.9	0.7	
U4U4ZK	53.0	5.7	5.0	44.0	3.3	2.6	42.7	3.5	2.4	85.7	1.9	1.5	32.0	2.5	1.3	
V24ATH	21.5	1.5	0.1	25.9	0.6	0.5	27.1	1.1	1.1	58.5	-0.1	0.1	23.6	1.2	0.5	
XE6F7E	10.4	0.1	0.1	20.1	-0.3	0.2	18.9	-0.1	0.1	54.5	-0.4	0.0	22.1	1.0	0.4	
YQBX8F	7.9	-0.3	0.2	20.0	-0.3	0.4	17.3	-0.3	0.0	62.5	0.2	0.1	14.6	-0.1	0.1	
YQT2PE	10.2	0.0	0.1	22.1	0.0	0.0	21.4	0.3	1.1	65.4	0.4	0.0	17.1	0.3	0.6	
Z63EAJ	8.6	-0.2	0.3	16.3	-0.9	0.2	12.1	-1.1	0.5	42.2	-1.3	0.0	13.7	-0.3	0.7	
ZZWCUH	16.7	0.9	0.2	22.0	0.0	0.3	24.7	0.8	0.2	53.0	-0.5	0.1	24.0	1.3	0.5	

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	9.96			22.1			19.5			60.0			15.5			
Median Abs Dev	2.86			2.5			2.6			6.3			1.8			
Avg Within Lab SD	3.30			3.1			2.5			9.7			2.1			
Labs Included	38			38			38			39			38			
Labs Reporting	38			38			38			39			38			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups														Data units: mg/kg		
														SRS1810		
SRS1806				SRS1807				SRS1808				SRS1809				
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6R323A	76.4		0.7	265.9		1.4	131.1		1.4	184.0		0.4	94.6		1.0	
HDYRBV	35.8		1.3	248.5		0.2	111.5		0.3	168.4		1.4	63.8		1.0	
Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups														Data units: mg/kg		
														SRS1810		
SRS1806				SRS1807				SRS1808				SRS1809				
Grand Median	56.1			257.2			121.3			176.2			79.2			
Median Abs Dev																
Avg Within Lab SD	0.5			2.2			0.8			0.4			0.5			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
D9FD98	75.3		0.2	301.7		1.4	150.3		1.0	149.3		1.0	106.0		0.4	
HRZQW7	70.7		1.7	283.3		0.7	149.0		1.3	150.7		1.3	106.3		1.0	
JBUL9U	72.2		0.3	310.6		0.7	132.7		0.5	159.4		0.6	103.0		1.4	
K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	72.2			301.7			149.0			150.7			106.0			
Median Abs Dev																
Avg Within Lab SD	3.2			7.7			5.5			5.7			4.8			
Labs Included	3			3			3			3			3			
Labs Reporting	3			3			3			3			3			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3QJ2GA	10.07		1.47	0.92		0.78	0.10		0.73	0.14		0.33	0.18		1.66	
HRZQW7	8.67		0.85	1.70		1.50	0.20		1.21	0.33		1.68	0.10		0.00	
UZ94YJ	8.50		0.35	1.38		0.39				0.55		0.26	0.82		0.49	
Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	8.67			1.38			0.15			0.33			0.18			
Median Abs Dev																
Avg Within Lab SD	0.65			0.12			0.08			0.09			0.08			
Labs Included	3			3			2			3			3			
Labs Reporting	3			3			2			3			3			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg				
														SRS1810				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
9RB939	26.5		0.5	35.6		0.1	40.7		0.2	71.3		0.0	9.6		0.6			
RR4HXK	24.6		1.5	40.2		0.9	37.5		1.8	72.2		1.9	7.7		1.6			
TCB6YH	31.8		0.8	41.3		1.3	44.3		0.7	75.2		0.5	10.0					
UZ94YJ	21.8		0.9	34.8		1.2	35.2		0.5	53.4		0.1	8.3		0.1			
Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg				
														SRS1810				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	25.5			37.9			39.1			71.8			8.95					
Median Abs Dev																		
Avg Within Lab SD	1.0			1.7			1.6			3.3			1.73					
Labs Included	4			4			4			4			4					
Labs Reporting	4			4			4			4			4					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
9RB939	54.4		0.1	246.4		0.1	96.5		0.0	127.0		0.0	69.5		0.6	
RR4HXK	50.5		1.5	245.8		1.6	98.2		1.3	134.1		1.8	66.9		1.6	
TCB6YH	57.0		1.3	238.7		1.0	98.3		1.2	125.5		0.8	65.3		0.9	
UZ94YJ	58.0		0.2	264.5		0.5	109.5		0.9	133.3		0.5	70.8		0.3	
Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
Grand Median		55.7			246.1			98.3			130.2			68.2		
Median Abs Dev																
Avg Within Lab SD		3.5			8.0			3.3			3.4			1.2		
Labs Included		4			4			4			4			4		
Labs Reporting		4			4			4			4			4		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
9RB939	522.8		0.0	797.5		0.2	1,336.9		0.0	1,765.6		0.5	2,632.3		0.8			
RR4HXK	553.2		1.4	905.7		1.8	1,411.3		1.7	1,797.8		0.9	2,674.6		0.7			
TCB6YH	507.3		1.4	777.7		0.8	1,404.8		0.7	1,860.5		1.1	2,916.0		1.7			
UZ94YJ	502.4		0.2	809.1		0.2	1,372.2		0.9	1,619.3		1.4	2,472.5		0.1			
Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	515.1			803.3			1,388.5			1,781.7			2,653.4					
Median Abs Dev																		
Avg Within Lab SD	27.7			38.7			54.5			25.5			109.4					
Labs Included	4			4			4			4			4					
Labs Reporting	4			4			4			4			4					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
9RB939	47.0		0.1	172.6		0.1	137.6		0.1	164.9		1.0	504.1		0.7	
RR4HXK	40.8		1.2	164.4		1.8	122.1		1.1	163.2		1.6	461.2		1.1	
TCB6YH	51.8		1.6	182.7		0.7	148.5		1.0	182.3		0.4	543.8		1.4	
UZ94YJ	51.2		0.2	224.1		0.2	173.3		1.4	194.9		0.6	691.0		0.3	
Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	49.1			177.6			143.0			173.6			524.0			
Median Abs Dev																
Avg Within Lab SD	3.5			7.1			5.0			5.3			13.8			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg				
														SRS1810				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
9RB939	11.1		0.1	26.6		0.8	66.6		0.4	17.7		1.3	31.0		0.0			
RR4HXK	11.7		1.9	24.7		0.8	70.3		1.5	16.8		1.0	30.3		1.8			
TCB6YH	11.8		0.5	22.8		1.0	76.3		0.9	16.5			31.7		0.8			
UZ94YJ	11.2		0.2	25.6		1.3	75.9		0.8	16.3		0.6	30.7		0.4			
Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg				
														SRS1810				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	11.5			25.1			73.1			16.6			30.9					
Median Abs Dev																		
Avg Within Lab SD	0.6			1.1			2.2			0.6			0.7					
Labs Included	4			4			4			4			4					
Labs Reporting	4			4			4			4			4					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
9RB939	0.76		0.01	7.31		0.62	2.25		0.36	2.02		0.35	0.91		0.24	
RR4HXK	0.71		0.27	7.11		1.69	2.20		0.85	1.85		1.89	0.93		1.81	
TCB6YH	1.10		1.98	6.03		0.70	2.03		1.63	1.58		0.51	0.78		0.53	
UZ94YJ	0.68		0.11	7.46		0.54	2.46		0.69	1.81		0.23	0.94		0.61	
Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
Grand Median		0.73			7.21			2.22			1.83			0.92		
Median Abs Dev																
Avg Within Lab SD		0.31			0.25			0.12			0.06			0.05		
Labs Included		4			4			4			4			4		
Labs Reporting		4			4			4			4			4		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups													Data units: g/cm3		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
37PMHB	1.38	1.34	0.49	1.34	1.41	0.84	1.31	1.39	0.37	1.47	0.86	1.19	1.26	1.54	1.03
3VC8R7	1.12	-0.52	0.25	1.08	-0.50	0.49	1.07	-0.28	0.37	1.26	-0.74	0.80	1.03	-0.50	0.32
47NZU7	1.03	-1.23	2.61	1.03	-0.85	2.08	0.94	-1.25	1.95	1.26	-0.74	1.53	0.93	-1.37	1.08
77XN93	1.17	-0.16	0.65	1.12	-0.23	0.56	1.12	0.08	1.02	1.23	-0.97	1.05	1.10	0.13	0.32
9RB939	1.13	-0.45	1.24	1.10	-0.33	0.74	1.01	-0.76	0.66	1.23	-1.00	0.69	1.04	-0.38	0.80
DKCC76	1.12	-0.55	0.00	1.08	-0.50	0.49	1.05	-0.42	0.18	1.32	-0.28	0.40	1.06	-0.26	0.18
UADE4N	1.22	0.16	0.86	1.18	0.23	0.73	1.10	-0.08	0.79	1.39	0.28	1.08	1.07	-0.13	0.51
URX669	1.23	0.26	0.43	1.25	0.73	1.71	1.20	0.63	1.90	1.41	0.37	1.59	1.16	0.67	2.55
XAANXG	1.38	1.37	0.00	1.29	1.07	0.28	1.32	1.46	0.18	1.47	0.86	0.00	1.21	1.09	0.18
YQBX8F	1.29	0.70	0.00	1.27	0.92	0.28	1.17	0.39	0.37	1.44	0.65	0.40	1.16	0.67	0.32

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups						Data units: g/cm3	
	SRS1806		SRS1807		SRS1808	SRS1809	SRS1810
Grand Median	1.19		1.15		1.11	1.36	1.09
Median Abs Dev	0.07		0.08		0.07	0.10	0.07
Avg Within Lab SD	0.02		0.02		0.03	0.01	0.03
Labs Included	10		10		10	10	10
Labs Reporting	10		10		10	10	10



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
3H6L47	75.5	0.1	2.3	74.3	-0.9	1.9	48.4	0.6	1.1	37.8	-0.6	0.2	10.2	-0.8	1.3	
3QJ2GA	79.6	0.8	0.7	83.1	0.3	0.4	40.7	-0.4	0.4	33.9	-1.3	0.3	9.7	-1.1	0.2	
6Y3L66	65.0	-1.6	0.9	72.0	-1.2	1.2	40.0	-0.5	1.1	39.0	-0.5	0.8	9.8	-1.0	0.5	
DKCC76	74.7	0.0	0.3	74.3	-0.9	0.4	52.0	1.1		42.0	0.0		12.3	0.7	0.9	
EW63HV	73.1	-0.3	1.1	83.7	0.4	1.7	43.9	0.0	1.9	46.9	0.8	1.0	11.7	0.2	1.2	
QEKBLT	73.0	-0.3	0.5	80.7	0.0	0.8	42.7	-0.2	0.6	37.7	-0.7	2.3	11.3	0.0	0.9	
QZKP6P	81.3	1.1	0.3	90.7	1.4	0.4	44.7	0.1	0.6	42.3	0.1	0.4	12.0	0.5		
UPDVFG	72.0	-0.4	0.5	78.0	-0.4	0.7	42.0	-0.3	1.1	43.0	0.2	0.8	11.0	-0.2	1.6	
UTRTLH	83.2	1.4	0.0	85.7	0.7	0.1	64.6	2.8	0.1	55.4	2.1	0.1	13.7	1.6	0.0	

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	74.7			80.7			43.9			42.0			11.3			
Median Abs Dev	2.7			5.0			3.2			4.2			1.0			
Avg Within Lab SD	1.8			1.5			0.9			1.3			0.6			
Labs Included	9			9			9			9			9			
Labs Reporting	9			9			9			9			9			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	113.8	2.8X	9.9	132.9	6.3X	20.5	37.3	-4.3X	20.1	170.8	14.2X	27.3	78.2	32.5X	44.3	
37PMHB	61.3	-2.3	0.2	65.3	-2.6X	0.6	54.3	-1.0	0.7	28.3	-2.6	0.4	12.7	-0.9	0.5	
3CYNV3	75.9	-0.9	0.0	78.0	-1.0	0.3	54.5	-1.0	0.7	54.9	0.5	0.6	14.2	-0.1	0.5	
3VC8R7	89.6	0.4	0.0	87.3	0.3	0.5	59.2	-0.1	0.4	58.1	0.9	0.4	14.5	0.1	0.3	
47NZU7	70.3	-1.4	0.7	74.5	-1.4	0.9	45.0	-2.8X	0.5	52.4	0.2	0.2	6.9	-3.8X	0.8	
66P92W	92.8	0.7	0.4	83.5	-0.2	0.6	65.0	1.0	0.4	51.5	0.1	0.9	12.8	-0.8	1.0	
67KPKK	94.0	0.9	0.3	94.3	1.2	0.1	64.5	1.0	0.5	55.7	0.6	0.4	12.2	-1.2	0.5	
6R323A	74.1	-1.1	0.0	81.1	-0.6	0.1	59.4	0.0	0.2	43.9	-0.8	0.2	13.7	-0.4	0.4	
77XN93	90.3	0.5	1.3	95.0	1.3	2.9	61.0	0.3	1.6	54.0	0.4	0.7	15.7	0.6	0.5	
7X9XNV	96.4	1.1	0.2	93.1	1.0	0.1	68.2	1.7	0.3	40.9	-1.1	0.3	16.5	1.1	0.1	
8LTFD4	86.3	0.1	0.2	87.7	0.3	0.2	67.3	1.5	0.7	66.3	1.9	0.4	15.7	0.6	0.5	
8NDCV3	76.1	-0.9	0.0	80.8	-0.6	0.0	53.1	-1.2	0.0	58.1	0.9	0.0	14.1	-0.2	0.0	
8P9ZCC	72.3	-1.2	0.4	83.7	-0.2	0.9	58.1	-0.3	0.7	41.5	-1.0	0.9	11.9	-1.3	0.1	
9RB939	80.8	-0.4	0.2	80.1	-0.7	0.3	56.0	-0.7	2.2	48.1	-0.3	0.6	13.7	-0.4	0.2	
C8UCRY	87.8	0.3	1.1	84.8	-0.1	0.4	61.0	0.3	0.6	43.6	-0.8	1.1	11.9	-1.3	0.3	
DKCC76	85.0	0.0		84.3	-0.1	0.2	59.0	-0.1		47.7	-0.3	0.4	14.3	-0.1	0.5	
EZ4G4Z	88.2	0.3	0.0	84.5	-0.1		57.7	-0.4	0.0	31.6	-2.2	0.0	15.4	0.5	0.0	
FJQPFL	86.4	0.1	4.4	76.1	-1.2	3.9	66.2	1.3	1.8	48.0	-0.3	4.0	16.9	1.3	4.9	
FW2Z7W	80.0	-0.5	0.3	91.0	0.8	0.4	51.3	-1.6	0.3	49.3	-0.1	0.4	14.3	-0.1	0.5	
GLBTNJ	70.7	-1.4	0.2	78.7	-0.9	0.9	58.3	-0.2	0.3	52.7	0.3	0.4	13.3	-0.6	0.5	
H67NYL	81.3	-0.4	0.4	81.7	-0.5	1.1	59.3	0.0	2.3	18.7	-3.7X	0.4	15.0	0.3		
HDYRBV	94.3	0.9	0.3	88.0	0.4	0.1	63.4	0.7	0.4	48.8	-0.2	0.4	15.4	0.5	0.4	
J4ALQW	85.2	0.0	0.0	85.7	0.1	0.0	63.5	0.8	0.0	40.8	-1.1	0.0	15.8	0.7	0.0	
JNUMLV	75.3	-1.0	0.4	74.1	-1.5	0.0	54.7	-0.9	0.4	44.0	-0.8	0.6	13.7	-0.4	0.1	
LWLKNN	71.7	-1.3	1.9	83.3	-0.3	1.0	63.9	0.8	0.7	44.1	-0.7	1.1	17.8	1.7	0.5	
NEGRVL	83.3	-0.2	0.3	86.7	0.2	0.7	57.8	-0.3	0.7	50.9	0.1	0.8	17.5	1.5	1.7	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
P4AJHT	80.7	-0.4	1.6	83.3	-0.3	0.2	54.7	-0.9	0.3	53.7	0.4	0.4	14.3	-0.1	0.5
PQ2XUU	91.2	0.6	0.4	91.6	0.8	0.4	61.7	0.4	1.6	50.0	-0.1	0.2	12.9	-0.8	0.3
RX9EGK	98.3	1.3	0.4	98.7	1.8	0.6	64.0	0.9	0.1	60.7	1.2	0.4	16.6	1.1	0.4
UADE4N	86.3	0.1	0.3	91.3	0.8	0.1	66.3	1.3	0.6	57.3	0.8	0.3	16.0	0.8	0.0
URX669	88.8	0.4	0.5	91.2	0.8	0.9	62.3	0.5	2.6	52.1	0.2	1.4	15.9	0.7	0.9
VFJAMN	92.8	0.7	0.3	93.9	1.1	0.3	63.0	0.7	0.4	52.8	0.3	0.3	15.8	0.7	0.1
XAANXG	80.0	-0.5	0.3	81.7	-0.5	0.2	56.3	-0.6	0.9	52.7	0.3	1.6	13.7	-0.4	0.5
YQBX8F	87.3	0.2	0.4	88.8	0.5	0.1	61.1	0.3	0.5	48.9	-0.2	0.2	14.7	0.2	0.1
YQT2PE	84.9	0.0	0.4	88.2	0.4	0.5	59.7	0.0	0.5	43.4	-0.8	0.3	13.5	-0.5	0.7
ZZWCUH	96.7	1.1	1.6	94.7	1.2	1.1	58.7	-0.2	1.2	54.0	0.4	2.2	17.0	1.3	0.9

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups					Data units: mg/kg
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810
Grand Median	85.2	85.3	59.5	50.4	14.4
Median Abs Dev	5.2	4.3	3.5	4.0	1.2
Avg Within Lab SD	3.0	2.4	1.7	1.3	1.2
Labs Included	35	34	34	34	34
Labs Reporting	36	36	36	36	36



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	66.8	-0.8	0.3	259.8	-3.0	4.2	124.2	-2.2	1.8	171.7	-2.2	2.6	116.1	-2.2	2.8	
37PMHB	57.3	-1.8	0.7	343.7	0.0	0.2	147.3	-0.5	0.3	206.3	-0.5	0.3	140.3	-0.1	0.2	
3CYNV3	68.6	-0.7	0.6	289.7	-1.9	0.4	144.3	-0.8	0.9	196.3	-1.0	1.1	128.7	-1.1	0.5	
3H6L47	67.5	-0.8	1.4	356.2	0.4	0.1	158.3	0.3	0.1	204.6	-0.6	0.3	143.4	0.1	1.0	
3VC8R7	77.9	0.2	0.6	360.5	0.6	0.5	167.2	0.9	0.1	208.8	-0.4	0.0	159.9	1.6	1.0	
47NZU7	73.4	-0.2	0.2	340.5	-0.1	0.6	142.0	-0.9	1.1	232.7	0.8	0.7	134.8	-0.6	1.7	
66P92W	80.0	0.4	0.8	366.2	0.8	0.6	169.9	1.1	0.1	233.1	0.8	0.9	145.9	0.4	0.4	
67KPKK	80.2	0.4	2.1	326.7	-0.6	0.4	150.5	-0.3	0.5	219.0	0.1	0.2	138.0	-0.3	0.9	
6R323A	86.8	1.1	0.1	352.9	0.3	0.1	160.8	0.4	0.1	224.0	0.4	0.3	139.3	-0.2	0.4	
6Y3L66	62.7	-1.2	0.5	307.3	-1.3	0.3	154.0	-0.1	1.2	209.3	-0.4	0.4	131.3	-0.9	0.4	
77XN93	72.3	-0.3	1.2	346.7	0.1	2.7	160.7	0.4	2.1	215.0	-0.1	0.9	143.3	0.1	1.3	
7X9XNV	68.6	-0.7	0.1	334.2	-0.3	0.0	146.4	-0.6	0.2	210.4	-0.3	0.1	134.4	-0.6	0.1	
8LTFD4	71.7	-0.4	0.3	359.3	0.6	0.1	154.3	0.0	0.2	233.0	0.8		144.0	0.2	0.3	
8NDCV3	78.9	0.3	0.0	370.8	1.0	0.0	141.4	-1.0	0.0	232.8	0.8	0.0	134.9	-0.6	0.0	
8P9ZCC	68.0	-0.7	0.2	313.0	-1.1	1.0	144.1	-0.8	0.0	174.7	-2.1	0.2	145.2	0.3	0.3	
9RB939	83.4	0.7	0.4	365.0	0.8	0.3	155.2	0.0	0.7	223.2	0.3	0.4	152.6	0.9	0.4	
C8UCRY	82.2	0.6	0.7	359.1	0.6	1.7	162.9	0.6	0.2	226.2	0.5	0.8	143.8	0.2	0.7	
DKCC76	82.0	0.6	0.5	345.7	0.1	0.2	162.3	0.5	0.4	236.0	0.9	0.3	147.3	0.5	0.2	
EZ4G4Z	71.1	-0.4	0.0	305.4	-1.4	0.0	157.6	0.2	0.0	217.5	0.0		142.2	0.0	0.0	
FJQPFL	61.7	-1.3	1.0	330.0	-0.5	0.6	150.7	-0.3	1.9	186.8	-1.5	3.5	135.1	-0.6	2.0	
FW2Z7W	68.0	-0.7	0.5	331.3	-0.4	0.3	129.7	-1.8	0.7	206.3	-0.5	0.9	133.0	-0.7	0.6	
GLBTNJ	84.0	0.8	1.4	329.0	-0.5	0.6	140.3	-1.0	0.3	199.7	-0.8	0.3	139.0	-0.2	0.3	
H67NYL	85.3	0.9	2.4	382.0	1.4	1.6	177.3	1.6	3.4	74.3	-7.0X	0.4	152.7	0.9	2.6	
HDYRBV	67.0	-0.8	0.3	319.8	-0.9	0.2	144.2	-0.8	0.2	203.3	-0.7	0.4	128.3	-1.1	0.8	
J4ALQW	75.2	0.0	0.0	347.3	0.1	0.0	154.5	0.0	0.0	218.8	0.1	0.0	141.8	0.0	0.0	
JNUMLV	88.4	1.2	0.2	372.7	1.0	0.8	161.6	0.5	1.0	233.8	0.8	0.1	153.6	1.0	0.2	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
NEGRVL	73.2	-0.2	1.1	322.6	-0.8	1.1	145.9	-0.6	1.0	216.8	0.0	0.3	130.9	-0.9	0.7	
P4AJHT	66.0	-0.9	1.3	180.7	-5.8X	11.8	133.7	-1.5	0.1	203.0	-0.7	0.6	131.0	-0.9	0.8	
PQ2XUU	75.4	0.0	1.5	358.7	0.5	0.2	156.9	0.1	0.5	204.5	-0.6	0.4	149.1	0.6	0.5	
QEKBLT	76.0	0.0	0.5	342.7	0.0	0.4	164.6	0.7	1.2	231.3	0.7	1.4	133.3	-0.7	1.3	
RX9EGK	75.9	0.0	0.2	303.3	-1.4	0.2	150.7	-0.3	0.2	198.3	-0.9	0.1	127.7	-1.2	0.5	
UADE4N	79.8	0.4	0.7	384.9	1.5	1.0	162.6	0.6	0.8	247.6	1.5	0.3	151.2	0.8	0.8	
UPDVFQ	63.7	-1.1	0.7	339.3	-0.2	0.3	151.7	-0.2	0.4	233.3	0.8	0.5	141.7	0.0	0.5	
URX669	91.5	1.5	1.6	335.5	-0.3	0.7	186.3	2.3	2.3	237.1	1.0	2.7	187.7	4.0X	7.0	
UTRTLH	91.8	1.6	0.3	341.9	-0.1	0.1	167.3	0.9	0.0	214.6	-0.1	0.2	161.2	1.7	0.4	
VFJAMN	80.9	0.5	0.8	355.4	0.4	0.5	166.1	0.8	0.5	236.2	1.0	0.2	150.4	0.8	0.5	
XAANXG	78.7	0.3	2.7	357.7	0.5	0.5	163.7	0.6	0.4	201.7	-0.7	0.4	153.7	1.0	1.2	
YQBX8F	68.2	-0.7	1.1	345.3	0.1	0.2	150.3	-0.3	0.8	222.0	0.3	0.9	130.7	-0.9	0.9	
YQT2PE	80.4	0.5	0.5	341.2	-0.1	0.5	155.6	0.1	0.7	230.6	0.7	0.7	148.7	0.6	1.7	
ZZWCUH	83.3	0.7	1.0	362.0	0.7	0.3	158.3	0.3	0.4	216.7	0.0	0.3	137.0	-0.4	0.6	

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	75.6			343.7			154.9			216.8			141.7			
Median Abs Dev	7.0			15.0			7.9			13.8			7.3			
Avg Within Lab SD	2.1			9.4			5.8			5.9			3.1			
Labs Included	40			39			40			39			39			
Labs Reporting	40			40			40			40			40			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	418.1	-1.1	1.3	678.0	-1.4	1.3	1,315.7	-1.4	1.2	1,575.3	-1.9	0.9	3,060.5	-1.7	1.0	
37PMHB	423.7	-1.1	0.1	748.0	-0.9	0.0	1,326.7	-1.4	0.0	2,086.3	-0.1	0.0	3,709.7	0.4	0.0	
3H6L47	689.9	1.7	5.0	956.0	0.7	2.3	1,566.3	0.2	0.1	1,916.7	-0.7	0.9	3,504.3	-0.3	0.7	
3VC8R7	485.5	-0.4	0.1	850.1	-0.1	0.2	1,562.4	0.2	0.0	1,969.3	-0.5	0.2	3,765.6	0.6	0.2	
47NZU7	522.5	0.0	0.3	921.9	0.5	0.3	1,537.9	0.0	1.5	2,566.4	1.6	1.1	3,799.7	0.7	1.4	
66P92W	489.4	-0.4	0.3	913.7	0.4	0.4	1,653.9	0.8	2.2	2,375.1	0.9	0.1	3,837.8	0.8	0.3	
67KPKK	560.8	0.4	0.2	865.0	0.0	0.6	1,532.5	0.0	0.2	2,254.8	0.5	0.7	3,666.7	0.2	0.7	
6R323A	520.8	-0.1	0.1	761.2	-0.8	0.2	1,447.0	-0.6	0.0	2,010.3	-0.4	0.2	3,389.7	-0.6	0.3	
6Y3L66	441.3	-0.9	0.4	731.7	-1.0	0.1	1,382.7	-1.0	0.3	2,044.3	-0.3	0.8	3,265.7	-1.0	0.1	
77XN93	530.0	0.0	1.2	926.7	0.5	1.9	1,632.7	0.6	1.9	2,202.3	0.3	1.4	3,794.7	0.7	1.3	
7X9XNV	460.4	-0.7	0.0	760.0	-0.8	0.0	1,365.7	-1.1	0.1	1,966.0	-0.6	0.1	3,338.0	-0.8	0.1	
8LTFD4	613.3	0.9	0.0	1,063.0	1.6	0.0	1,824.3	1.9	0.1	2,726.7	2.1	0.2	4,285.3	2.2	0.3	
8P9ZCC	490.1	-0.4	0.4	927.7	0.5	3.8	1,561.6	0.2	0.2	1,910.4	-0.8	0.2	3,798.2	0.7	0.2	
9RB939	613.1	0.9	0.0	1,040.4	1.4	0.5	1,637.3	0.7	0.8	2,348.5	0.8	0.4	3,985.7	1.3	0.6	
C8UCRY	689.8	1.7	0.2	946.7	0.7	0.2	1,675.3	0.9	0.1	2,366.1	0.9	0.3	3,748.9	0.5	0.2	
EZ4G4Z	537.0	0.1		830.0	-0.3		1,516.0	-0.1		2,050.0	-0.3		3,777.0	0.6		
FJQPFL	423.4	-1.1	0.8	804.4	-0.5	1.1	1,556.2	0.1	3.3	1,950.5	-0.6	3.5	3,747.8	0.5	3.1	
FW2Z7W	445.0	-0.8	0.2	809.3	-0.4	0.6	1,245.7	-1.9	0.2	1,950.7	-0.6	0.6	3,125.7	-1.5	0.2	
GLBTNJ	589.0	0.7	0.1	809.3	-0.4	0.0	1,201.3	-2.2	0.0	2,280.7	0.6	0.1	3,336.7	-0.8	0.0	
H67NYL	563.7	0.4	1.1	914.3	0.4	0.3	1,736.3	1.3	1.1	1,057.0	-3.8X	0.5	3,834.0	0.8	1.1	
HDYRBV	496.0	-0.3	0.2	813.3	-0.4	0.1	1,412.7	-0.8	0.1	2,147.0	0.1	0.1	3,543.0	-0.1	0.4	
J4ALQW	565.2	0.4	0.0	874.2	0.1	0.0	1,498.1	-0.2	0.0	2,123.5	0.0	0.0	3,587.5	0.0	0.0	
JNUMLV	612.0	0.9	0.1	1,020.7	1.2	0.1	1,560.7	0.2	0.3	2,325.7	0.7	0.2	3,786.2	0.6	0.1	
NEGRVL	532.6	0.1	0.1	862.9	0.0	0.5	1,409.0	-0.8	0.3	2,128.8	0.0	0.6	3,361.6	-0.7	0.5	
P4AJHT	448.0	-0.8	0.1	721.3	-1.1	0.4	1,262.7	-1.8	0.4	1,857.3	-0.9	1.0	3,250.3	-1.1	1.0	
PQ2XUU	446.3	-0.8	0.5	808.8	-0.4	0.3	1,388.3	-1.0	0.3	1,774.3	-1.2	0.1	3,368.3	-0.7	0.1	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
QEKBLT	793.2	2.8	1.2	1,052.7	1.5	1.1	1,547.7	0.1	0.4	2,378.7	0.9	1.7	3,539.0	-0.2	0.7	
RX9EGK	562.7	0.4	0.1	854.7	-0.1	0.1	1,529.0	0.0	0.1	2,010.0	-0.4	0.1	3,433.0	-0.5	0.1	
UADE4N	529.1	0.0	0.2	933.4	0.5	0.5	1,572.0	0.2	0.6	2,450.0	1.2	0.3	3,737.3	0.5	0.5	
UPDVFG	489.8	-0.4	0.1	684.7	-1.4	0.1	1,534.3	0.0	0.1	2,307.0	0.7	0.1	3,565.3	-0.1	0.0	
URX669	557.8	0.3	0.3	871.7	0.1	0.9	1,624.7	0.6	2.9	2,272.4	0.5	3.2	4,238.5	2.1	3.9	
UTRTLH	624.1	1.0	0.1	879.7	0.1	0.0	1,629.4	0.6	0.0	2,033.5	-0.3	0.1	3,592.6	0.0	0.0	
XAANXG	946.3	4.4X	1.7	1,209.7	2.7	1.9	1,536.0	0.0	0.5	1,898.7	-0.8	0.3	3,548.7	-0.1	0.6	
YQBX8F	495.7	-0.3	0.8	846.0	-0.1	0.3	1,468.7	-0.4	0.2	2,218.0	0.3	0.3	3,541.7	-0.2	0.5	
YQT2PE	920.9	4.1X	0.5	1,237.6	2.9X	0.2	1,600.7	0.4	0.1	2,292.9	0.6	0.1	3,807.5	0.7	0.4	
ZZWCUH	480.3	-0.5	0.2	763.7	-0.8	0.2	1,442.7	-0.6	0.5	1,998.3	-0.4	0.1	3,535.7	-0.2	0.3	

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	525.8	862.9	1,535.2	2,123.5	3,590.0	
Median Abs Dev	42.9	63.8	91.0	169.3	198.3	
Avg Within Lab SD	27.9	45.3	64.7	79.5	133.8	
Labs Included	34	35	36	35	36	
Labs Reporting	36	36	36	36	36	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	36.7	-2.2	3.0	170.7	-2.3	3.0	146.3	-0.9	1.2	198.2	-1.1	3.6	660.3	-0.7	2.5	
37PMHB	48.7	-1.1	0.6	193.0	-0.9	0.3	144.3	-1.1	0.3	207.7	-0.7	0.2	735.0	0.9	0.2	
3H6L47	46.2	-1.3	1.6	210.9	0.3	3.0	143.9	-1.1	1.1	202.7	-0.9	1.0	673.0	-0.4	1.2	
3VC8R7	50.7	-0.9	0.1	204.7	-0.1	0.3	161.7	0.2	0.1	212.4	-0.5	0.3	709.5	0.4	0.4	
47NZU7	49.5	-1.0	0.8	206.6	0.0	0.5	151.7	-0.5	1.0	240.4	0.8	0.8	678.6	-0.3	1.3	
66P92W	63.0	0.2	1.2	215.5	0.5	0.2	166.8	0.5	0.5	238.5	0.7	0.9	728.6	0.8	0.4	
67KPKK	57.5	-0.3	1.1	205.8	-0.1	0.4	158.3	-0.1	0.5	247.2	1.1	0.6	685.8	-0.1	0.5	
6R323A	69.2	0.8	0.8	205.3	-0.1	0.3	162.4	0.2	0.2	222.6	0.0	0.4	692.1	0.0	0.1	
6Y3L66	47.0	-1.3	0.5	161.3	-2.8X	0.8	139.3	-1.4	1.3	210.3	-0.6	1.4	549.7	-3.1X	0.9	
77XN93	60.3	0.0	1.1	215.7	0.6	2.7	167.3	0.6	2.4	223.0	0.0	1.0	713.0	0.4	1.7	
7X9XNV	60.0	-0.1	0.3	207.1	0.0	0.1	157.4	-0.1	0.1	219.9	-0.1	0.0	695.1	0.1	0.0	
8LTFD4	63.7	0.3	0.3	238.7	2.0	0.1	173.0	1.0	0.3	263.7	1.9	0.2	757.3	1.4	0.2	
8P9ZCC	56.0	-0.4	0.1	204.4	-0.1	0.8	161.1	0.1	0.3	195.6	-1.2	0.4	706.0	0.3	0.3	
9RB939	64.3	0.3	0.3	225.9	1.2	0.5	162.8	0.3	0.4	238.1	0.7	0.3	733.6	0.9	0.7	
C8UCRY	58.6	-0.2	1.3	207.8	0.1	0.6	156.2	-0.2	0.9	219.2	-0.1	0.4	682.1	-0.2	0.6	
EZ4G4Z	62.5	0.2		195.8	-0.7	0.0	166.9	0.5	0.0	228.4	0.3	0.0	711.4	0.4	0.0	
FJQPFL	42.6	-1.7	0.5	189.2	-1.1	1.5	150.4	-0.6	1.1	194.1	-1.3	2.4	681.3	-0.2	1.0	
FW2Z7W	52.7	-0.7	0.3	192.7	-0.9	0.4	132.3	-1.9	0.8	201.7	-0.9	0.3	632.3	-1.3	0.3	
GLBTNJ	75.3	1.3	1.1	207.7	0.1	0.5	127.7	-2.2	0.6	220.3	-0.1	0.2	639.3	-1.1	0.1	
H67NYL	64.7	0.3	2.1	221.7	0.9	0.7	181.0	1.6	1.9	150.3	-3.3X	0.4	764.0	1.5	1.8	
HDYRBV	61.7	0.1	0.8	206.7	0.0	0.4	157.7	-0.1	0.5	242.0	0.9	0.1	672.7	-0.4	0.9	
J4ALQW	63.3	0.2	0.0	206.7	0.0	0.0	159.8	0.0	0.0	223.6	0.0	0.0	709.5	0.4	0.0	
JNUMLV	75.3	1.3	0.1	237.3	1.9	0.4	163.8	0.3	0.1	245.0	1.0	0.2	732.7	0.9	0.3	
NEGRVL	60.5	0.0	0.8	201.1	-0.3	0.4	146.1	-0.9	0.4	218.8	-0.2	0.2	634.5	-1.2	0.5	
P4AJHT	52.7	-0.7	0.3	186.3	-1.3	0.5	146.3	-0.9	0.5	220.0	-0.1	1.0	602.7	-1.9	1.9	
PQ2XUU	47.9	-1.2	0.7	194.2	-0.8	0.3	144.8	-1.0	0.6	202.4	-0.9	0.3	648.3	-0.9	0.1	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
QEKBLT	64.8	0.4	1.0	207.2	0.0	1.1	163.3	0.3	1.3	241.0	0.8	1.4	660.0	-0.7	1.0	
RX9EGK	65.7	0.4	0.4	190.3	-1.0	0.4	159.7	0.0	1.0	210.3	-0.6	0.1	635.3	-1.2	0.1	
UADE4N	53.2	-0.7	0.4	218.0	0.7	0.7	157.3	-0.1	0.7	242.5	0.9	0.4	713.7	0.5	0.7	
UPDVFG	68.0	0.7	0.5	204.0	-0.2	0.3	164.3	0.4	0.4	236.3	0.6	0.3	666.7	-0.5	0.1	
URX669	61.5	0.1	2.1	228.5	1.4	0.8	171.2	0.9	3.4	256.9	1.5	2.2	758.5	1.4	2.9	
UTRTLH	73.9	1.2	0.1	213.0	0.4	0.0	179.5	1.4	0.1	238.3	0.7	0.1	703.1	0.2	0.1	
XAANXG	72.0	1.0	0.5	225.0	1.1	0.9	170.7	0.8	1.0	210.0	-0.6	0.6	708.7	0.4	1.0	
YQBX8F	61.2	0.0	0.3	215.0	0.5	0.4	158.7	0.0	0.5	227.7	0.2	0.2	674.0	-0.4	0.4	
YQT2PE	73.5	1.2	0.5	227.0	1.3	0.3	175.5	1.2	0.4	246.5	1.1	0.4	729.7	0.8	0.4	
ZZWCUH	57.0	-0.4	1.0	193.3	-0.8	0.6	150.3	-0.6	0.3	211.7	-0.5	0.8	680.0	-0.3	0.4	

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	60.8			206.7			159.2			222.6			692.1			
Median Abs Dev	6.0			8.9			8.0			15.5			21.6			
Avg Within Lab SD	2.0			7.0			5.1			7.3			16.8			
Labs Included	36			35			36			35			35			
Labs Reporting	36			36			36			36			36			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	4.3	-1.3	1.8	5.1	-2.8X	0.6	8.0	-2.0	1.1	25.6	-4.5X	2.1	4.2	-1.8	0.9	
37PMHB	17.7	1.1	0.5	32.7	2.0	1.1	28.7	1.6	1.2	69.3	1.0	0.7	31.0	2.4	0.4	
3VC8R7	6.3	-1.0	0.2	18.5	-0.5	0.2	18.0	-0.3	0.2	55.9	-0.7	0.2	13.8	-0.3	0.1	
47NZU7	12.2	0.1	1.9	22.0	0.1	0.8	19.9	0.1	1.0	70.6	1.2	1.1	17.1	0.2	0.6	
66P92W	11.6	0.0	0.4	19.8	-0.2	0.2	16.9	-0.4	0.6	64.0	0.4	1.0	14.0	-0.2	0.4	
6R323A	13.9	0.4	0.4	20.2	-0.2	0.4	22.0	0.4	0.5	62.7	0.2	0.3	15.5	0.0	0.1	
77XN93	8.3	-0.6	1.1	21.3	0.0	1.3	20.7	0.2	2.3	64.7	0.4	1.8	14.7	-0.1	0.6	
7X9XNV	11.4	0.0	0.1	25.2	0.7	0.0	20.9	0.2	0.1	64.1	0.4	0.4	17.4	0.3	0.0	
8LTFD4	15.3	0.7	0.5	29.3	1.4	0.3	27.7	1.4	0.6	78.0	2.1	0.5	21.7	0.9	0.2	
8P9ZCC	9.8	-0.3	2.2	25.7	0.8	1.3	23.0	0.6	1.4	59.4	-0.2	0.3	20.1	0.7	0.5	
C8UCRY	11.6	0.0	0.9	21.3	0.0	0.9	18.5	-0.2	0.8	58.1	-0.4	1.3	15.8	0.0	0.7	
EZ4G4Z	11.8	0.0	0.0	19.4	-0.3	0.0	22.4	0.5	0.0	66.0	0.6		16.4	0.1	0.0	
FJQPFL	6.2	-1.0	0.8	19.7	-0.3	0.7	18.9	-0.1	1.0	60.8	-0.1	2.8	12.4	-0.5	0.0	
FW2Z7W	10.3	-0.2	0.5	17.7	-0.6	0.3	16.0	-0.6		56.7	-0.6	1.1	13.3	-0.4	0.2	
H67NYL	23.3	2.1	1.5	37.0	2.7	1.0	34.7	2.6	2.5	39.0	-2.8	1.0	29.3	2.1	0.4	
HDYRBV	13.2	0.3	0.6	20.6	-0.1	0.2	19.1	-0.1	0.2	67.7	0.8	0.3	14.3	-0.2	0.2	
J4ALQW	12.1	0.1	0.0	21.2	0.0	0.0	22.5	0.5	0.0	56.8	-0.6	0.0	14.8	-0.1	0.0	
P4AJHT	9.0	-0.5	1.0	19.7	-0.3	0.3	19.0	-0.1	1.0	58.0	-0.4	0.8	24.0	1.3	4.7	
PQ2XUU	7.6	-0.7	1.9	19.7	-0.3	0.3	17.0	-0.4	0.3	54.9	-0.8	0.9	12.8	-0.4	0.5	
QEKBLT	10.8	-0.2	1.3	20.0	-0.2	0.7	18.9	-0.1	1.0	70.6	1.2	0.6	14.8	-0.1	0.4	
UADE4N	2.8	-1.6	0.0	17.0	-0.7	0.2	14.4	-0.9	0.5	67.9	0.8	0.2	10.2	-0.8	0.1	
UTRTLH	15.7	0.8	0.4	24.7	0.6	0.0	24.2	0.8	0.2	60.6	-0.1	0.4	20.8	0.8	0.0	
XAANXG	12.3	0.1	0.5	28.0	1.2	4.0	20.7	0.2	0.6	60.0	-0.2	0.5	16.7	0.2	0.2	
YQBX8F	2.8	-1.6	0.1	14.6	-1.1	0.1	12.7	-1.2	0.1	61.2	0.0	0.2	8.9	-1.0	0.0	
YQT2PE	12.7	0.2	0.5	22.3	0.2	0.4	19.1	-0.1	0.4	68.8	1.0	1.5	17.1	0.2	0.3	
ZZWCUH	25.0	2.5	1.0	35.0	2.4	0.5	31.7	2.1	1.5	61.0	0.0	0.8	30.3	2.3	0.4	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	11.6	21.2	19.5	61.2	15.6	
Median Abs Dev	2.4	1.8	2.5	4.4	2.1	
Avg Within Lab SD	1.1	2.0	1.0	2.1	2.7	
Labs Included	26	25	26	25	26	
Labs Reporting	26	26	26	26	26	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

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

Data units: mg/kg

WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
2RTVDA	41.0	10.3X	5.6	61.7	1.9	5.2	56.5	12.2X	9.4	62.5	8.1X	8.5	51.5	5.5X	13.6
37PMHB	10.8	-1.6	0.1	43.7	-0.7	0.0	11.5	-0.7	0.1	19.1	-0.5	0.1	7.7	-0.4	0.2
3VC8R7	14.8	0.0	0.1	46.8	-0.2	0.1	13.0	-0.3	0.1	21.2	-0.1	0.1	9.6	-0.1	0.1
47NZU7	14.3	-0.2	2.6	54.8	0.9	0.3	25.2	3.2	3.3	39.4	3.5	1.1	31.6	2.8	0.8
66P92W	13.6	-0.5	0.7	46.4	-0.3	0.3	9.0	-1.4	0.2	20.8	-0.2	0.5	12.0	0.2	0.4
6R323A	14.3	-0.3	0.1	49.2	0.1	0.0	14.1	0.0	0.1	20.0	-0.3	0.1	10.2	0.0	0.2
77XN93	14.3	-0.2	0.7	53.0	0.7	0.4	12.0	-0.6	0.5	21.7	0.0	0.2	8.7	-0.3	0.2
7X9XNV	23.9	3.6	0.1	62.8	2.1	0.0	20.5	1.9	0.0	29.4	1.5	0.0	17.2	0.9	0.1
8LTFD4	15.0	0.0		53.0	0.7		15.0	0.3		28.0	1.3		11.0	0.1	
8P9ZCC	13.8	-0.4	0.2	47.7	-0.1	0.2	14.4	0.1	0.1	18.8	-0.6	0.3	11.7	0.2	0.1
9RB939	13.8	-0.4	0.3	51.6	0.5	0.0	14.5	0.1	0.1	24.4	0.5	0.1	10.1	-0.1	0.0
C8UCRY	19.1	1.7	0.8	41.5	-1.0	0.1	13.4	-0.2	0.5	21.4	0.0	0.5	13.2	0.4	0.5
EZ4G4Z	14.9	0.0	0.0	47.6	-0.1	0.0	12.7	-0.4	0.0	20.0	-0.3		9.1	-0.2	0.0
FJQPFL	17.7	1.1	2.6	42.3	-0.9	1.2	14.6	0.2	3.7	32.8	2.2	4.5	24.0	1.8	4.7
FW2Z7W	13.0	-0.8		45.3	-0.4	0.1	9.7	-1.2	0.2	17.0	-0.9		8.0	-0.3	0.4
H67NYL	15.7	0.3	0.7	54.7	0.9	0.2	15.0	0.3	0.6	8.1	-2.7	0.1	10.2	0.0	0.5
HDYRBV	13.0	-0.8	0.4	45.0	-0.5	0.1	13.8	0.0	0.1	21.3	-0.1	0.5	20.9	1.4	0.2
J4ALQW	13.0	-0.8	0.0	36.6	-1.7	0.0	15.5	0.4	0.0	23.7	0.4	0.0	22.5	1.6	0.0
JNUMLV	16.3	0.6	0.3	53.3	0.7	0.1	15.0	0.3	0.1	24.1	0.5	0.0	10.5	0.0	0.1
NEGRVL	13.4	-0.6	0.8	49.1	0.1	0.5	13.7	-0.1	0.7	21.3	-0.1	0.9	8.2	-0.3	0.9
P4AJHT	14.7	-0.1	0.9	49.3	0.1	0.1	19.0	1.4	0.3	58.0	7.2X	0.5	18.3	1.0	1.3
PQ2XUU	19.1	1.7	2.8	55.6	1.0	0.3	23.4	2.7	1.2	26.4	0.9	1.1	37.2	3.6	0.6
RX9EGK	16.0	0.4	0.1	47.7	-0.1	0.1	13.2	-0.2	0.1	21.7	0.0	0.2	8.8	-0.2	0.1
UADE4N	11.4	-1.4	0.2	51.0	0.4	0.1	11.0	-0.9	0.2	18.4	-0.6	0.2	1.6	-1.2	0.2
URX669	15.4	0.2	0.5	47.4	-0.1	0.2	14.0	0.0	0.4	21.6	0.0	0.3	9.8	-0.1	0.4
UTRTLH	14.9	0.0	0.1	47.1	-0.2	0.0	16.6	0.8	0.0	23.9	0.5	0.0	20.3	1.3	0.0



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
XAANXG	15.0	0.0		51.7	0.5	0.1	13.3	-0.2	0.2	22.0	0.1	0.3	9.0	-0.2		
YQBX8F	15.2	0.1	0.5	43.7	-0.7	0.0	12.6	-0.4	0.1	23.3	0.3	0.2	9.1	-0.2	0.2	
YQT2PE	18.5	1.4	0.6	52.6	0.6	0.1	9.9	-1.2	0.2	23.7	0.4	0.1	13.0	0.3	0.3	
ZZWCUH	15.7	0.3	0.4	34.3	-2.0	0.2	14.3	0.1	0.4	20.0	-0.3	0.3	12.7	0.3	0.2	
Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	14.9			48.4			14.0			21.6			10.5			
Median Abs Dev	1.1			3.8			1.0			2.0			2.1			
Avg Within Lab SD	1.6			10.5			3.2			3.5			2.5			
Labs Included	29			30			29			28			29			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, AI (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
3VC8R7	1,563.6	0.9	0.4	1,159.7	1.3	0.7	721.7	1.4	0.7	331.9	1.6	1.1	866.1	1.4	0.7
66P92W	1,462.0	0.0	0.3	1,057.0	0.2	0.4	674.7	0.7	0.5	291.4	0.2	0.9	754.0	0.1	0.7
7X9XNV	1,257.7	-1.8	0.1	892.7	-1.5	0.1	561.0	-1.1	0.0	243.4	-1.4	0.1	585.0	-1.7	0.0
C8UCRY	1,458.6	0.0	0.4	1,026.3	-0.1	0.7	630.1	0.0	0.3	285.1	0.0	0.4	679.5	-0.7	0.1
FW2Z7W	1,350.0	-1.0	1.7	993.3	-0.4	0.3	513.3	-1.9	0.3	236.7	-1.6	0.8	673.3	-0.7	0.3
H67NYL	1,377.3	-0.7	1.1	952.7	-0.9	1.4	626.7	-0.1	1.9	707.0	14.2X	0.5	704.0	-0.4	1.4
HDYRBV	1,515.3	0.5	1.0	1,071.7	0.4	1.1	676.3	0.7	0.1	291.3	0.2	0.2	797.6	0.6	0.1
PQ2XUU	1,504.3	0.4	1.5	1,205.7	1.8	0.7	720.8	1.4	1.9	333.9	1.6	1.8	919.0	1.9	2.3
UADE4N	1,433.3	-0.2	0.5	1,027.3	-0.1	0.4	675.2	0.7	0.6	304.0	0.6	0.1	775.2	0.4	0.5
URX669	1,576.7	1.0	2.0	1,007.3	-0.3	2.6	635.2	0.0	2.2	288.7	0.1	2.4	743.3	0.0	2.0
XAANXG	1,652.7	1.7	1.3	1,171.0	1.5	1.3	667.0	0.5	0.1	274.3	-0.4	0.5	737.0	0.0	0.8
YQBX8F	1,363.3	-0.9	0.3	973.0	-0.7	0.5	604.0	-0.5	0.4	275.7	-0.3	0.4	668.0	-0.8	0.2
YQT2PE	1,495.6	0.3	0.2	1,040.8	0.1	0.5	614.0	-0.3	0.3	272.6	-0.4	0.9	685.6	-0.6	0.5
ZZWCUH	1,458.7	0.0	0.5	1,053.3	0.2	0.4	622.0	-0.2	0.1	277.7	-0.2	0.4	753.0	0.1	0.5

Mehlich-3, AI (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	1,460.3			1,034.1			632.7			285.1			740.2		
Median Abs Dev	69.0			39.2			38.2			10.7			56.0		
Avg Within Lab SD	29.4			20.6			19.8			7.7			19.2		
Labs Included	14			14			14			13			14		
Labs Reporting	14			14			14			14			14		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
2RTVDA	5.92	19.21X	5.01	25.88	25.93X	5.01	10.43	19.37X	51.21	3.90	3.24X	10.40	5.17	8.60X	25.04
37PMHB	0.98	-1.28	0.33	7.56	-0.74	1.01	2.83	-1.00	1.24	2.30	-0.81	1.27	1.37	-0.39	0.68
3H6L47	1.41	0.52	0.59	7.48	-0.84	0.23	3.35	0.39	0.06	2.61	-0.03	0.06	1.60	0.16	0.20
3VC8R7	1.44	0.62	0.53	7.54	-0.76	0.34	3.04	-0.44	0.21	2.41	-0.54	0.04	1.49	-0.10	0.12
47NZU7	1.17	-0.49	0.96	8.38	0.47	0.67	3.51	0.80	1.25	3.71	2.77	1.04	2.81	3.03	2.35
66P92W	1.29	0.00	0.16	8.39	0.48	0.18	3.36	0.41	0.04	2.89	0.68	0.41	1.74	0.49	0.17
6R323A	1.68	1.62	0.18	8.03	-0.05	0.08	3.55	0.93	0.14	3.15	1.35	0.26	1.80	0.64	0.18
77XN93	1.33	0.19	3.50	8.87	1.17	3.54	3.37	0.43	2.54	2.80	0.46	2.21	1.73	0.47	2.22
7X9XNV	0.98	-1.26	0.05	7.39	-0.98	0.04	2.77	-1.17	0.06	2.35	-0.69	0.21	1.32	-0.50	0.02
8LTFD4	1.50	0.88		9.90	2.67	0.00	3.70	1.32	0.00	3.40	1.97	0.00	1.70	0.39	0.00
8P9ZCC	0.81	-1.97	0.15	8.10	0.05	0.98	3.02	-0.51	0.03	2.22	-1.01	0.36	1.32	-0.51	0.30
9RB939	1.36	0.28	0.37	8.38	0.47	0.59	3.42	0.57	0.99	3.16	1.37	0.94	2.04	1.19	0.59
C8UCRY	1.27	-0.08	0.24	7.82	-0.35	0.03	3.12	-0.23	0.42	2.52	-0.24	0.14	1.60	0.16	0.19
EZ4G4Z	1.16	-0.53	0.00	7.57	-0.72	0.00	3.05	-0.42	0.00	2.55	-0.18	0.00	1.50	-0.08	
FJQPFL	1.44	0.65	2.06	7.66	-0.58	2.88	3.12	-0.22	3.17	2.71	0.24	3.64	2.14	1.43	1.35
FW2Z7W	1.00	-1.19	0.92	7.67	-0.58	0.54	2.17	-2.79	0.29	2.07	-1.40	0.37	1.13	-0.94	0.34
H67NYL	1.25	-0.17	0.77	8.12	0.08	0.50	3.58	1.01	1.44	2.45	-0.43	0.98	1.52	-0.03	0.78
HDYRBV	1.10	-0.78	0.32	7.78	-0.42	0.18	2.87	-0.90	0.25	2.45	-0.43	0.65	1.12	-0.98	0.12
J4ALQW	1.46	0.71	0.00	7.74	-0.48	0.00	2.81	-1.07	0.00	2.61	-0.03	0.00	1.44	-0.22	0.00
JNUMLV	1.45	0.66	0.42	8.41	0.50	0.38	3.24	0.09	0.18	2.98	0.92	0.15	1.65	0.28	0.12
NEGRVL	1.37	0.34	1.44	7.19	-1.26	1.24	2.69	-1.39	0.92	2.48	-0.35	1.40	1.37	-0.38	0.43
P4AJHT	1.50	0.88	1.85	2.40	-8.24X	0.26	1.17	-5.48X	0.57	0.70	-4.86X	0.64	3.60	4.88	3.27
PQ2XUU	1.47	0.74	0.57	8.83	1.12	0.48	3.24	0.10	0.92	2.67	0.12	0.47	1.70	0.39	0.15
RX9EGK	1.46	0.70	0.37	8.27	0.30	0.84	3.43	0.61	0.29	2.82	0.50	0.37	1.77	0.55	0.34
UADE4N	1.20	-0.37	0.14	9.00	1.36	0.24	3.26	0.14	0.27	2.86	0.62	0.40	1.50	-0.07	0.36
URX669	1.21	-0.32	0.97	8.29	0.33	0.60	3.23	0.06	1.37	2.62	0.01	1.09	1.46	-0.17	0.82



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
XAANXG	1.03	-1.06	0.53	7.33	-1.06	0.66	2.83	-1.00	0.29	2.30	-0.81	0.64	1.47	-0.16	1.22	
YQBX8F	1.15	-0.59	0.51	8.13	0.10	0.18	2.99	-0.57	0.22	2.62	-0.01	0.18	1.41	-0.29	0.33	
YQT2PE	1.20	-0.37	0.24	7.83	-0.34	0.30	3.19	-0.06	0.23	2.84	0.56	0.27	1.82	0.69	0.14	
ZZWCUH	1.37	0.32	0.53	8.50	0.64	0.26	3.30	0.25	0.99	2.77	0.37	0.37	1.53	0.00	0.68	
Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	1.29			8.06			3.21			2.62			1.53			
Median Abs Dev	0.15			0.37			0.20			0.21			0.17			
Avg Within Lab SD	0.11			0.38			0.20			0.16			0.17			
Labs Included	29			28			28			28			29			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

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

Data units: mg/kg

WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
2RTVDA	15.9	-0.7	3.6	25.2	-1.5	3.4	114.9	0.0	3.9	58.1	-1.3	3.6	68.8	0.2	3.2
37PMHB	15.7	-0.8	0.3	30.3	0.2	1.1	125.3	0.9	0.6	70.5	0.5	0.1	73.5	0.7	0.2
3H6L47	16.7	-0.4	0.4	28.8	-0.3	0.4	138.2	1.9	0.2	63.5	-0.5	0.5	80.1	1.4	0.3
3VC8R7	20.9	1.3	0.4	30.7	0.3	0.4	121.0	0.5	0.4	62.4	-0.7	0.1	70.3	0.3	0.3
47NZU7	11.9	-2.3	0.9	26.0	-1.2	0.6	111.3	-0.2	0.8	72.5	0.8	0.8	63.0	-0.5	0.7
66P92W	17.4	-0.1	0.3	32.5	0.8	0.7	125.7	0.9	0.5	74.4	1.1	0.5	72.0	0.5	0.4
6R323A	21.2	1.4	0.6	26.3	-1.1	0.1	128.9	1.2	0.3	70.5	0.5	1.0	81.0	1.5	1.0
77XN93	15.0	-1.1	1.6	27.0	-0.9	2.9	103.7	-0.8	1.2	64.0	-0.4	1.3	60.0	-0.8	1.5
7X9XNV	7.7	-3.9X	0.2	13.5	-5.1X	0.0	52.2	-4.9X	0.0	31.4	-5.3X	0.1	32.4	-3.9X	0.0
8LTFD4	18.0	0.1		32.0	0.7		121.3	0.6	0.1	81.0	2.1		66.3	-0.1	0.2
9RB939	19.7	0.8	0.2	31.2	0.4	0.9	112.8	-0.1	0.7	73.2	0.9	0.3	67.7	0.0	0.2
C8UCRY	17.5	-0.1	0.2	29.8	0.0	0.2	112.1	-0.2	0.4	69.1	0.3	0.7	64.4	-0.3	0.5
EZ4G4Z	17.7	0.0	0.0	30.2	0.1	0.0	113.7	-0.1	0.0	63.3	-0.6	0.0	70.8	0.4	0.0
FJQPFL	18.4	0.3	0.6	31.3	0.5	0.5	117.1	0.2	1.5	59.6	-1.1	2.5	76.2	1.0	1.1
FW2Z7W	17.0	-0.3		30.7	0.3	0.4	96.3	-1.4	0.2	59.3	-1.1	0.4	66.0	-0.2	
H67NYL	17.7	0.0	1.3	28.7	-0.4	1.5	114.3	0.0	1.5	204.3	20.6X	3.7	63.7	-0.4	1.0
HDYRBV	15.5	-0.9	0.3	28.1	-0.5	0.5	112.6	-0.1	0.2	67.5	0.1	0.1	65.3	-0.2	0.1
J4ALQW	15.8	-0.7	0.0	30.0	0.1	0.0	112.1	-0.2	0.0	67.7	0.1	0.0	72.6	0.6	0.0
JNUMLV	18.7	0.4	0.4	29.0	-0.3	0.1	102.6	-0.9	0.2	71.1	0.6	0.2	63.0	-0.5	0.1
NEGRVL	16.4	-0.5	0.4	25.9	-1.2	0.3	96.6	-1.4	0.1	63.2	-0.6	0.4	54.7	-1.4	0.3
P4AJHT	14.3	-1.3	2.4	27.9	-0.6	0.4	109.3	-0.4	0.3	55.4	-1.7	0.3	67.0	0.0	0.5
PQ2XUU	23.1	2.2	0.8	38.5	2.7	0.7	124.5	0.8	1.8	66.3	-0.1	0.7	87.9	2.3	2.3
RX9EGK	18.7	0.4	0.5	28.3	-0.5	0.2	113.3	-0.1	0.6	66.4	-0.1	0.1	61.3	-0.7	0.6
UADE4N	19.8	0.9	0.1	34.0	1.3	0.4	125.0	0.9	0.4	77.7	1.6	0.3	77.4	1.1	0.4
URX669	18.2	0.2	0.5	30.3	0.2	0.3	107.0	-0.6	0.9	67.8	0.1	1.3	66.6	-0.1	1.5
UTRTLH	21.6	1.5	0.1	36.3	2.0	0.1	125.7	0.9	0.1	70.2	0.5	0.0	89.2	2.5	0.1



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
XAANXG	17.7	0.0	0.5	31.7	0.6	0.4	120.3	0.5	0.3	63.7	-0.5	0.2	73.7	0.7	0.3	
YQBX8F	16.8	-0.4	0.1	29.7	0.0	0.5	105.7	-0.7	0.5	67.4	0.1	0.0	67.4	0.0	0.3	
YQT2PE	16.2	-0.6	0.0	28.4	-0.4	0.3	115.4	0.1	0.5	66.5	-0.1	0.3	66.2	-0.1	0.3	
ZZWCUH	18.1	0.2	0.2	28.0	-0.6	0.7	151.7	3.0	0.4	63.0	-0.6	0.6	60.3	-0.8	1.5	
Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	17.7			29.8			114.3			67.0			67.4			
Median Abs Dev	1.2			1.5			7.0			3.6			4.4			
Avg Within Lab SD	1.2			1.4			6.1			3.1			3.5			
Labs Included	29			29			29			28			29			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
	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		
2RTVDA	209.6	2.4	3.1	253.7	2.7	4.0	222.3	2.7	3.2	85.7	5.0	5.1	206.2	2.3	3.2		
37PMHB	115.7	-0.5	0.2	170.7	-0.2	0.3	132.0	-0.6	0.5	21.8	-0.6	0.1	131.3	-0.4	0.6		
3H6L47	179.6	1.5	0.7	207.6	1.1	0.2	201.8	2.0	0.2	34.9	0.5	0.1	181.1	1.4	0.4		
3VC8R7	205.7	2.3	0.3	190.2	0.5	0.3	175.0	1.0	0.6	48.7	1.7	0.5	166.7	0.9	0.6		
47NZU7	108.8	-0.7	0.8	160.8	-0.6	1.2	128.2	-0.7	1.0	16.2	-1.1	0.2	125.0	-0.6	1.3		
66P92W	135.2	0.1	0.2	181.3	0.1	0.2	152.8	0.2	0.2	28.1	-0.1	0.0	142.5	0.0	0.3		
6R323A	105.7	-0.8	0.1	166.0	-0.4	0.4	140.1	-0.3	0.9	21.9	-0.6	0.3	118.0	-0.9	0.4		
77XN93	117.7	-0.4	0.9	160.3	-0.6	1.6	126.0	-0.8	1.0	29.3	0.0	0.2	123.3	-0.7	1.9		
7X9XNV	87.4	-1.4	0.0	113.7	-2.2	0.0	94.7	-1.9	0.0	19.8	-0.8	0.0	83.2	-2.2	0.0		
8LTFD4	128.7	-0.1	0.1	176.0	0.0	0.1	144.7	-0.1	0.1	33.0	0.3		141.7	0.0	0.4		
9RB939	123.8	-0.2	0.3	174.8	-0.1	0.3	133.4	-0.5	0.4	28.2	-0.1	0.1	146.7	0.2	0.7		
C8UCRY	141.8	0.3	0.2	177.0	0.0	0.8	142.0	-0.2	0.4	28.6	-0.1	0.2	128.2	-0.5	0.3		
EZ4G4Z	138.7	0.2	0.0	181.5	0.2		156.2	0.3	0.0	34.3	0.5	0.0	150.7	0.3	0.0		
FJQPFL	152.1	0.6	0.6	202.1	0.9	1.7	152.4	0.2	0.2	32.2	0.3	0.2	147.7	0.2	0.4		
FW2Z7W	145.0	0.4	0.5	193.3	0.6	0.6	140.0	-0.3		23.3	-0.5	0.1	150.0	0.3			
H67NYL	127.7	-0.1	0.8	145.0	-1.1	0.8	125.7	-0.8	1.4	179.7	13.3X	1.1	123.3	-0.7	2.0		
HDYRBV	137.9	0.2	0.0	176.8	0.0	0.1	148.3	0.0	0.1	26.8	-0.2	0.1	138.6	-0.1	0.4		
J4ALQW	120.5	-0.3	0.0	165.0	-0.4	0.0	135.3	-0.5	0.0	27.1	-0.2	0.0	137.3	-0.2	0.0		
JNUMLV	108.1	-0.7	0.1	145.1	-1.1	0.2	131.0	-0.6	0.1	30.2	0.1	0.1	124.0	-0.7	0.5		
P4AJHT	117.0	-0.5	3.5	185.7	0.3	0.7	161.3	0.5	0.3	32.3	0.3	0.1	143.0	0.0	0.8		
PQ2XUU	195.2	2.0	1.1	253.0	2.6	0.8	186.5	1.4	2.9	47.0	1.6	0.3	213.6	2.6	0.8		
RX9EGK	179.7	1.5	1.4	204.0	0.9	0.6	182.3	1.3	1.3	39.7	0.9	0.1	162.0	0.7	1.2		
UADE4N	149.1	0.5	0.1	180.2	0.1	0.1	161.0	0.5	0.1	27.1	-0.2	0.0	157.4	0.5	0.6		
URX669	131.8	0.0	0.4	169.6	-0.3	1.0	142.2	-0.2	1.1	30.5	0.1	0.2	147.7	0.2	1.1		
UTRTLH	144.2	0.4	0.1	200.0	0.8	0.2	172.9	0.9	0.0	45.7	1.5	0.0	170.8	1.0	0.1		
XAANXG	130.0	-0.1	0.1	177.3	0.0	0.4	148.0	0.0	0.1	29.0	0.0	0.1	138.0	-0.2	0.6		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
YQBX8F	131.7	0.0	0.4	168.7	-0.3	0.2	133.7	-0.5	0.3	26.0	-0.3	0.2	130.0	-0.5	0.2	
YQT2PE	122.6	-0.3	0.1	165.5	-0.4	0.3	148.1	0.0	0.2	25.4	-0.3	0.0	126.1	-0.6	0.3	
ZZWCUH	165.3	1.0	0.4	214.3	1.3	0.4	164.7	0.6	0.4	39.3	0.9	0.2	161.3	0.7	1.2	
Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	131.8			177.0			148.0			29.2			142.5			
Median Abs Dev	14.1			12.0			14.3			3.8			14.8			
Avg Within Lab SD	9.2			9.4			8.8			7.1			4.8			
Labs Included	29			29			29			28			29			
Labs Reporting	29			29			29			29			29			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	0.32	-0.26	2.97	6.39	-1.40	3.73	1.73	1.20	0.92	1.24	-0.47	0.99	2.44	1.28	1.96	
37PMHB	0.50	0.82	0.44	6.53	-1.15	0.78	1.53	0.23	0.90	1.39	0.09	0.38	1.90	-0.48	0.23	
3H6L47	0.34	-0.16	0.21	6.52	-1.17	0.03	1.60	0.55	0.26	1.39	0.11	0.17	2.36	1.01	0.12	
3VC8R7	0.35	-0.08	0.24	7.04	-0.29	0.17	1.57	0.39	0.12	1.36	-0.01	0.12	2.17	0.40	0.23	
47NZU7				6.85	-0.61	0.66	0.47	-4.96X	1.23	0.53	-3.30	1.02	1.10	-3.08X	0.95	
66P92W	0.30	-0.41	0.41	7.42	0.35	0.12	1.46	-0.13	0.25	1.37	0.02	0.14	1.95	-0.33	0.35	
6R323A	0.70	2.01	0.44	6.97	-0.41	0.33	1.73	1.18	0.37	1.55	0.76	0.50	2.29	0.80	0.12	
77XN93	1.03	3.97X	13.59	7.90	1.17	3.20	2.23	3.63	4.77	2.17	3.19	4.68	2.63	1.90	4.22	
7X9XNV	0.34	-0.17	0.49	6.25	-1.63	0.13	1.35	-0.68	0.11	1.24	-0.48	0.14	1.75	-0.97	0.06	
8LTFD4	0.10	-1.58	0.00	7.70	0.83	0.00	1.20	-1.39	0.00	1.30	-0.25	0.00	1.80	-0.80	0.00	
8P9ZCC	0.30	-0.41	0.16	6.85	-0.62	0.30	1.40	-0.44	0.03	1.13	-0.92	0.15	1.97	-0.24	0.23	
9RB939	0.36	-0.03	0.74	7.55	0.58	1.10	1.65	0.81	0.65	1.73	1.44	0.58	2.36	1.02	0.72	
C8UCRY	0.31	-0.32	0.29	7.36	0.25	0.12	1.44	-0.25	0.20	1.36	0.00	0.31	1.85	-0.62	0.23	
EZ4G4Z	0.38	0.08	0.00	7.04	-0.29	0.00	1.46	-0.13	0.00	1.41	0.19	0.00	1.95	-0.31	0.00	
FJQPFL	0.21	-0.94	0.33	7.43	0.36	0.38	1.47	-0.10	0.60	1.20	-0.64	0.75	2.02	-0.08	0.48	
FW2Z7W	0.34	-0.18	0.98	7.50	0.49	0.51	1.20	-1.39	0.00	1.33	-0.12	0.36	1.97	-0.26	0.34	
H67NYL	0.34	-0.18	0.53	6.94	-0.46	0.43	1.54	0.26	0.87	1.02	-1.37	0.36	1.99	-0.18	0.65	
HDYRBV	0.55	1.11	0.49	7.21	0.00	0.54	1.61	0.61	0.12	1.55	0.75	0.34	2.22	0.57	0.80	
J4ALQW	0.49	0.75	0.00	7.72	0.87	0.00	1.48	-0.03	0.00	1.36	-0.01	0.00	2.05	0.00	0.00	
JNUMLV	0.43	0.38	0.37	6.56	-1.10	0.25	1.54	0.26	0.21	1.57	0.82	0.29	2.11	0.21	0.24	
NEGRVL	0.37	0.02	1.24	6.85	-0.62	0.85	1.39	-0.48	0.23	1.34	-0.07	0.33	1.81	-0.77	0.42	
P4AJHT	1.00	3.78	2.11	1.93	-8.95X	0.39	1.43	-0.26	0.90	0.50	-3.42X	1.25	1.37	-2.20	1.21	
PQ2XUU	0.39	0.16	1.11	7.53	0.54	0.15	1.49	0.00	0.41	1.27	-0.36	0.22	2.20	0.49	0.69	
RX9EGK	0.77	2.41	0.76	6.48	-1.24	0.13	1.89	1.94	0.26	1.71	1.36	0.38	2.49	1.44	0.35	
UADE4N	0.31	-0.32	0.02	8.03	1.39	0.35	1.61	0.61	0.22	1.56	0.79	0.12	2.21	0.53	0.24	
URX669	0.63	1.59	2.79	7.41	0.33	0.55	1.71	1.07	0.86	1.63	1.06	1.58	2.28	0.74	1.56	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
UTRTLH	2.70	13.93X	0.45	10.72	5.95X	0.08	3.03	7.53X	0.14	2.85	5.91X	0.03	3.68	5.29X	0.29	
XAANXG	0.40	0.20	0.00	7.57	0.60	0.15	1.60	0.55	0.00	1.37	0.01	0.36	2.23	0.60	0.34	
YQBX8F	0.44	0.46	0.49	7.01	-0.34	0.20	1.46	-0.13	0.56	1.28	-0.33	0.17	1.81	-0.78	0.24	
YQT2PE	0.38	0.08	0.04	7.31	0.16	0.09	1.46	-0.12	0.06	1.43	0.26	0.04	1.90	-0.47	0.11	
ZZWCUH	0.36	-0.02	0.24	7.40	0.32	0.44	1.33	-0.75	0.68	1.27	-0.38	0.36	2.07	0.06	0.34	

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.37			7.21			1.49			1.36			2.05			
Median Abs Dev	0.05			0.34			0.10			0.10			0.18			
Avg Within Lab SD	0.05			0.39			0.17			0.16			0.17			
Labs Included	28			29			29			29			29			
Labs Reporting	30			31			31			31			31			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
37PMHB	0.22	-0.75	0.31	0.38	-0.44	0.48	0.38	-0.53	0.31	0.79	-0.24	0.33	0.87	-0.51	0.49	
3VC8R7	0.18	-1.01	0.12	0.33	-0.79	0.22	0.35	-0.71	0.12	0.67	-0.79	0.11	0.95	-0.19	0.00	
47NZU7				0.03	-2.64					0.34	-2.26	0.69	0.49	-2.06	1.02	
66P92W	0.33	0.00	0.35	0.48	0.18	0.13	0.50	0.15	0.11	0.84	-0.02	0.15	0.93	-0.26	0.29	
6R323A	0.57	1.56	0.62	0.55	0.61	0.29	0.63	0.96	0.24	0.85	0.00	0.43	1.12	0.51	0.57	
77XN93	0.30	-0.20	2.04	0.50	0.28	1.89	0.50	0.18	2.05	0.87	0.09	0.61	1.10	0.42	1.63	
7X9XNV	0.31	-0.11	1.28	0.24	-1.36	0.39	0.28	-1.16	0.43	0.40	-2.01	0.48	0.60	-1.60	1.00	
8LTFD4	0.27	-0.42	1.18	0.50	0.28		0.87	2.42	1.18	1.33	2.19	1.23	1.37	1.50	0.94	
9RB939	0.48	1.01	1.43	0.52	0.42	0.62	0.43	-0.24	0.07	0.85	0.00	0.27	1.19	0.77	2.49	
C8UCRY	0.37	0.25	0.52	0.45	-0.01	0.75	0.53	0.34	0.80	0.91	0.30	0.22	1.03	0.15	0.82	
EZ4G4Z	0.28	-0.33	0.00	0.42	-0.21	0.00	0.47	0.00	0.00	0.87	0.11	0.00	1.12	0.50	0.00	
FW2Z7W	0.60	1.78	0.00	0.70	1.53	0.00	0.60	0.79	0.00	0.83	-0.06	0.61	1.10	0.42	0.00	
HDYRBV	0.28	-0.35	0.25	0.41	-0.27	0.23	0.46	-0.08	0.73	0.64	-0.93	0.16	0.85	-0.59	0.46	
J4ALQW	0.22	-0.74	0.00	0.39	-0.42	0.00	0.38	-0.55	0.00	0.59	-1.14	0.00	0.78	-0.87	0.00	
JNUMLV	0.45	0.79	0.35	0.46	0.01	0.58	0.44	-0.16	0.12	0.85	0.02	0.00	1.04	0.16	0.34	
NEGRVL	0.38	0.31	2.83	0.56	0.63	3.71	0.38	-0.52	3.07	1.11	1.17	0.74	0.99	-0.02	2.38	
P4AJHT	0.77	2.88X	3.11	1.20	4.63X	1.89	1.80	8.12X	5.42	0.73	-0.51	4.30	2.27	5.16X	2.48	
UADE4N	0.14	-1.23	0.05	0.35	-0.67	0.06	0.33	-0.83	0.19	0.95	0.48	0.03	1.04	0.17	0.13	
UTRTLH	0.53	1.30	0.07	0.54	0.51	0.06	0.57	0.62	0.09	0.72	-0.57	0.11	0.83	-0.68	0.09	
XAANXG	0.50	1.12		0.60	0.90	0.00	0.63	1.00	1.18	0.90	0.24	0.00	0.97	-0.12	0.94	
YQBX8F	0.33	-0.02	1.05	0.28	-1.06	0.39	0.38	-0.57	1.40	0.88	0.17	0.06	0.95	-0.19	0.91	
YQT2PE	0.38	0.30	0.72	0.44	-0.10	0.62	0.49	0.12	0.39	0.81	-0.15	0.21	1.00	0.02	0.82	
ZZWCUH	0.42	0.57	0.31	0.69	1.48	0.48	0.83	2.20	0.94	1.30	2.06	0.65	1.77	3.13	0.73	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	0.33	0.45	0.47	0.85	1.00	
Median Abs Dev	0.09	0.08	0.09	0.07	0.11	
Avg Within Lab SD	0.05	0.05	0.05	0.09	0.06	
Labs Included	21	22	21	23	22	
Labs Reporting	22	23	22	23	23	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	0.31	-0.29	0.84	5.53	0.52	0.19	1.03	-0.67	1.08	0.63	-0.94	0.67	0.55	-0.95	0.42	
2GC949	0.33	-0.14	0.80	4.97	-0.11	0.14	1.23	0.16	2.15	0.83	-0.10	1.20	0.73	0.30	0.42	
2RTVDA	0.90	4.26X	8.93	7.13	2.31	6.14	4.14	12.25X	75.83	1.88	4.26X	16.07	1.30	4.31X	8.15	
37PMHB	0.18	-1.32	0.52	4.17	-1.00	0.04	0.94	-1.05	1.27	0.65	-0.87	0.75	0.58	-0.74	0.83	
3QJ2GA	0.34	-0.08	0.44	5.35	0.32	0.23	1.21	0.05	1.35	0.94	0.34	1.41	0.69	0.02	1.06	
67KPKK	0.47	0.89	1.51	4.07	-1.12	0.07	1.23	0.16	1.08	0.90	0.17	0.00	0.67	-0.12	1.58	
68RCPC	0.27	-0.65	1.51	4.30	-0.86	0.00	0.90	-1.23	0.00	0.80	-0.24	0.00	0.57	-0.81	1.58	
6P2U7C	0.33	-0.14	1.51	5.03	-0.04	0.37	1.27	0.30	1.08	0.83	-0.10	1.20	0.73	0.35	1.58	
6R323A	0.55	1.51	0.80	4.64	-0.48	0.12	1.15	-0.17	0.47	1.66	3.37	2.13	0.89	1.46	0.42	
7FN7MB	0.32	-0.24	1.14	3.62	-1.62	0.32	0.90	-1.24	0.78	0.74	-0.48	0.52	0.66	-0.16	0.72	
8P9ZCC	0.36	0.08	0.88	5.46	0.44	0.34	1.38	0.77	0.21	0.90	0.18	0.16	0.78	0.67	0.27	
C4VNJ6	0.47	0.94	1.29	5.58	0.57	0.21	1.19	-0.02	0.49	0.62	-1.01	0.52	0.57	-0.81	0.42	
D9FD98	0.49	1.07	0.94	5.38	0.35	0.07	1.32	0.52	0.67	0.79	-0.27	0.43	0.75	0.49	0.57	
DH64VY	0.35	-0.02	1.57	6.43	1.52	0.28	1.25	0.25	1.01	0.99	0.55	1.35	0.68	-0.04	0.30	
DKCC76	0.59	1.82	1.06	4.11	-1.07	0.09	1.43	0.96	0.71	1.31	1.89	0.75	0.75	0.49	1.14	
EDTFU3	0.35	0.03	0.05	5.72	0.73	0.26	1.33	0.55	1.44	0.94	0.35	1.43	0.83	1.01	1.07	
EW63HV	0.21	-1.05	0.44	4.96	-0.12	0.28	1.07	-0.51	1.40	0.90	0.17	0.36	0.67	-0.10	0.69	
G7H4TL	0.20	-1.17	0.00	4.53	-0.60	0.14	0.93	-1.09	1.08	0.60	-1.08	0.00	0.57	-0.81	1.58	
GR4XGM	0.43	0.63	1.51	6.07	1.12	0.14	1.60	1.69	0.00	0.97	0.45	1.20	0.90	1.51	0.00	
HRZQW7	0.26	-0.71	0.26	4.81	-0.29	0.06	1.37	0.71	0.22	1.05	0.79	0.32	0.71	0.21	0.16	
HVJTVY				9.40	4.85X		2.00	3.35		1.10	1.01		1.50	5.69X		
J48ZVF	0.27	-0.64	2.10	2.97	-2.34	0.63	0.94	-1.06	1.97	0.71	-0.62	2.34	0.54	-1.02	1.91	
J4ALQW	0.89	4.13X	0.00	4.70	-0.41	0.00	1.70	2.12	0.00	1.58	3.03	0.00	0.87	1.32	0.00	
JBUL9U	0.59	1.85	0.47	5.80	0.82	0.44	1.43	0.98	1.65	1.10	1.01	1.51	0.78	0.70	2.64	
JHRBPY	0.22	-0.99	0.05	3.74	-1.48	0.10	0.92	-1.16	0.57	0.67	-0.79	0.06	0.61	-0.52	0.46	
KYUD3W	0.35	0.02	0.15	5.07	0.00	0.07	1.10	-0.40	0.00	0.87	0.03	0.60	0.68	0.00	0.79	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
LWLKNN	0.47	0.89	1.51	5.13	0.07	0.14	1.20	0.02	0.00	1.00	0.59		0.83	1.05	1.58	
NMNUTR	0.41	0.44	2.17	4.31	-0.85	0.46	1.03	-0.70	2.35	0.87	0.05	0.72	0.64	-0.32	0.48	
QB7QMK	0.26	-0.68	0.55	5.21	0.16	0.15	1.18	-0.06	0.65	0.74	-0.48	0.21	0.66	-0.15	0.70	
QEKBLT	0.34	-0.07	1.33	5.07	0.00	0.14	1.25	0.21	1.03	1.02	0.67	0.90	0.81	0.85	0.14	
QZKP6P	0.37	0.12	1.51	5.17	0.11	0.07	1.10	-0.40	0.00	0.87	0.03	1.20	0.57	-0.81	1.58	
RFCRDF	0.70	2.69	0.00	5.52	0.51	0.50	1.24	0.19	1.12	0.82	-0.17	2.17	0.51	-1.23	0.16	
RLK63R	0.34	-0.06	0.66	4.80	-0.29	0.42	1.13	-0.28	1.08	0.89	0.13	1.25	0.68	-0.02	1.09	
RX9EGK	0.48	1.02	0.15	5.24	0.19	0.05	1.54	1.45	0.39	0.96	0.44	0.32	0.79	0.72	0.42	
TBGGH9	0.41	0.47	0.78	6.11	1.17	0.01	1.26	0.25	0.59	0.84	-0.07	0.52	0.76	0.56	1.58	
TN4NEA	0.42	0.56	0.15	4.92	-0.17	0.13	1.18	-0.05	0.71	0.79	-0.29	0.00	0.75	0.49	0.16	
TNLTVM	0.45	0.74	0.15	5.68	0.69	0.30	1.17	-0.12	1.08	0.85	-0.03	0.21	0.82	0.98	1.03	
V24ATH	0.34	-0.07	0.44	5.07	0.00	0.15	1.07	-0.50	0.44	0.72	-0.58	0.24	0.66	-0.19	0.16	
VFJAMN	0.39	0.30	0.02	5.24	0.20	0.02	1.18	-0.05	0.21	0.76	-0.41	0.21	0.69	0.02	0.36	
XE6F7E	0.33	-0.13	0.16	4.19	-0.98	0.10	1.24	0.19	0.11	0.47	-1.64	0.33	0.28	-2.82	0.45	
Z63EAJ	0.20	-1.14	0.84	3.86	-1.35	0.02	0.87	-1.35	0.65	0.50	-1.51	1.68	0.47	-1.49	0.27	

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.35			5.07			1.20			0.86			0.68			
Median Abs Dev	0.08			0.46			0.12			0.11			0.10			
Avg Within Lab SD	0.04			0.82			0.05			0.05			0.04			
Labs Included	38			40			40			40			39			
Labs Reporting	40			41			41			41			41			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	8.9	-0.4	0.9	13.0	-0.5		59.3	-0.4	0.5	5.4	-0.6	0.4	27.7	-0.4	0.4	
2GC949	9.0	-0.3	0.2	17.6	0.7	0.7	63.5	0.1	0.1	6.7	0.1	0.7	37.4	0.8	0.3	
2RTVDA	9.5	0.2	1.3	19.3	1.1	2.2	62.8	0.0	2.4	8.6	1.3	3.3	41.3	1.4	3.3	
37PMHB	8.3	-1.0	1.4	10.8	-1.1	0.9	64.8	0.3	0.2	5.2	-0.7	0.1	26.9	-0.5	0.3	
3QJ2GA	9.6	0.3	1.1	15.4	0.1	1.2	62.1	0.0	0.5	7.0	0.3	0.5	31.6	0.1	0.5	
68RCPC	9.0	-0.3		17.7	0.7	0.7	60.0	-0.3		8.7	1.3	1.3	36.0	0.7	0.7	
6P2U7C	9.3	0.1	1.5	15.7	0.2	1.5	63.3	0.1	0.4	6.3	-0.1	1.3	35.7	0.6	0.4	
7FN7MB	8.2	-1.1	1.6	8.7	-1.7	1.4	47.9	-1.9	1.9	5.4	-0.6	1.6	26.3	-0.6	0.7	
8P9ZCC	9.9	0.6	0.4	20.5	1.5	0.4	78.0	2.0	0.2	9.3	1.7	1.0	47.1	2.1	0.4	
C4VNJ6	8.8	-0.4	0.3	15.5	0.1	0.3	56.7	-0.8	0.2	5.0	-0.8	0.7	30.6	0.0	0.6	
D9FD98	9.7	0.5	0.4	16.8	0.5	0.8	68.2	0.8	0.3	6.2	-0.1	0.4	40.6	1.3	1.2	
DH64VY	9.8	0.6	0.4	18.6	1.0	0.8	64.1	0.2	0.7	7.8	0.8	0.7	32.4	0.2	0.3	
DKCC76	9.7	0.4	0.1	14.0	-0.3	0.2	64.0	0.2	0.7	8.4	1.2	0.1	29.0	-0.3	0.0	
EDTFU3	10.1	0.9	1.2	22.7	2.0	0.8	71.4	1.2	0.5	10.0	2.1	0.6	46.1	2.0	1.6	
EW63HV	8.9	-0.3	1.3	14.9	0.0	1.0	52.5	-1.3	0.9	7.1	0.4	1.0	33.0	0.3	0.6	
G7H4TL	8.6	-0.6	0.2	11.9	-0.8	0.1	63.0	0.1	0.3	4.3	-1.3	0.2	27.7	-0.4	0.4	
GR4XGM	8.6	-0.6	0.4	15.5	0.1	0.1	59.0	-0.5	0.1	7.6	0.7	0.9	36.6	0.7	0.2	
HRZQW7	9.6	0.3	0.2	12.6	-0.6	0.0	67.2	0.6	0.2	6.3	-0.1	0.4	29.4	-0.2	0.4	
J48ZVF	9.4	0.1	3.1	11.7	-0.9	2.0	50.5	-1.6	1.9	4.0	-1.5	1.6	23.5	-1.0	2.8	
JBUL9U	10.3	1.1	0.7	15.7	0.2	2.1	65.4	0.4	0.9	8.2	1.0	0.7	37.5	0.9	1.7	
JHRBPY	8.4	-0.8	0.3	10.3	-1.2	0.4	51.2	-1.5	0.3	4.3	-1.3	0.2	26.8	-0.5	0.5	
KYUD3W	9.7	0.5	0.5	13.7	-0.3	0.4	61.0	-0.2	0.4	5.7	-0.4	0.1	28.0	-0.4	0.7	
LWLKNN	10.7	1.4	0.6	14.3	-0.2	0.7	62.0	-0.1	0.6	7.6	0.7	0.8	28.6	-0.3	0.9	
NMNUTR	9.7	0.5	1.5	11.1	-1.0	2.2	63.1	0.1	3.0	6.5	0.1	0.7	31.3	0.0	0.8	
QB7QMK	9.2	-0.1	0.6	15.0	0.0	1.1	63.0	0.1	0.7	6.1	-0.2	0.2	33.2	0.3	0.4	
QEKBLT	9.0	-0.3	0.4	12.4	-0.7	0.5	59.3	-0.4	1.5	6.2	-0.1	1.5	27.7	-0.4	0.5	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
QZKP6P	9.8	0.5	0.4	14.6	-0.1	0.2	58.4	-0.5	0.2	6.2	-0.1	0.2	24.7	-0.8	0.4	
RFCRDF	7.7	-1.6	1.7	11.5	-0.9	0.7	60.9	-0.2	1.2	4.4	-1.2	2.2	23.6	-1.0	0.3	
RLK63R	9.1	-0.2	1.1	14.4	-0.2	0.9	50.5	-1.6	1.3	6.9	0.3	0.4	27.4	-0.5	0.8	
TBGGH9	10.6	1.4	0.5	20.5	1.5	0.2	67.4	0.7	0.2	7.0	0.3	0.2	35.7	0.6	0.1	
TN4NEA	10.4	1.2	0.7	18.3	0.9	0.8	71.0	1.1	0.3	7.1	0.4	0.0	43.2	1.6	0.1	
TNLTVM	8.5	-0.7	0.2	15.2	0.1	0.4	54.3	-1.1	0.4	6.2	-0.1	0.4	34.5	0.5	0.6	
V24ATH	8.7	-0.6	0.1	15.4	0.1	0.4	65.2	0.4	0.2	6.3	-0.1	0.1	30.4	-0.1	1.5	
XE6F7E	6.4	-2.9	0.3	9.2	-1.5	0.0	45.9	-2.2	0.3	7.5	0.6	0.3	20.1	-1.4	0.0	

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	9.25			15.0			62.5			6.44			31.0			
Median Abs Dev	0.51			2.5			3.1			1.04			4.1			
Avg Within Lab SD	0.38			0.8			2.8			0.43			1.5			
Labs Included	34			34			34			34			34			
Labs Reporting	34			34			34			34			34			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	44.0	0.8	0.9	55.7	-0.4	1.4	29.0	0.5	0.5	2.5	0.8	1.8	39.7	-0.2	0.7	
2GC949	30.6	-0.2	0.8	64.2	0.1	0.3	25.5	0.0	1.0	1.7	0.0	0.5	42.6	0.0	0.3	
2RTVDA	30.5	-0.2	0.6	72.3	0.5	2.2	27.8	0.4	2.4	1.9	0.1	1.2	48.0	0.5	3.4	
37PMHB	10.4	-1.6	0.1	30.7	-1.8	0.2	8.2	-2.3	0.2	0.9	-0.9	0.2	16.7	-2.3	0.5	
3QJ2GA	36.0	0.2	1.6	62.9	0.0	0.1	25.2	0.0	1.1	2.6	0.9	0.5	42.6	0.0	0.5	
67KPKK	33.5	0.1	0.7	50.4	-0.7	0.2	19.9	-0.7	0.4	1.3	-0.5	0.3	32.7	-0.9	0.5	
68RCPC	31.0	-0.1	0.3	68.0	0.3	0.2	26.7	0.2	0.3	2.7	0.9	1.5	47.0	0.4	0.6	
6P2U7C	33.3	0.0	1.0	55.3	-0.4	1.2	26.0	0.1	0.9	2.0	0.2		45.3	0.3	0.3	
7FN7MB	25.5	-0.5	2.5	62.4	0.0	4.1	21.1	-0.5	2.8				36.6	-0.5	1.7	
8P9ZCC	13.9	-1.4	0.9	23.8	-2.2	0.1	11.5	-1.8	0.0	0.8	-1.1	0.1	18.7	-2.1	0.1	
C4VNJ6	65.8	2.4	0.7	115.3	2.9	0.6	41.0	2.1	0.5	1.7	-0.1	0.2	47.7	0.5	0.9	
D9FD98	52.3	1.4	1.1	76.0	0.7	0.4	35.7	1.4	1.1	1.3	-0.5	0.1	51.3	0.8	0.3	
DH64VY	32.1	0.0	1.3	70.8	0.4	0.3	23.3	-0.3	0.5	2.3	0.6	0.2	39.9	-0.2	0.4	
DKCC76	32.6	0.0	0.1	52.1	-0.6	0.2	18.3	-0.9	0.0	1.9	0.2	0.8	30.8	-1.0	0.4	
EDTFU3	37.8	0.4	0.5	87.2	1.4	0.3	34.1	1.2	0.9	3.3	1.6	0.5	63.8	2.0	1.8	
EW63HV	27.2	-0.4	0.2	71.8	0.5	0.6	22.8	-0.3	0.6	1.6	-0.2	0.4	44.7	0.2	1.1	
G7H4TL	18.7	-1.0	0.2	72.3	0.5	1.4	18.7	-0.9	0.3	1.0	-0.8		36.3	-0.5	2.1	
GR4XGM	40.5	0.6	0.2	77.6	0.8	0.8	33.8	1.2	0.2	12.6	11.4X	2.1	62.9	1.9	0.5	
HRZQW7	21.3	-0.8	0.2	43.0	-1.1		19.3	-0.8	0.3	1.7	-0.1	1.5	30.7	-1.0	0.3	
HVJTVY				62.7	0.0		26.8	0.2		1.3	-0.5		48.4	0.6		
J48ZVF	15.6	-1.3	1.5	282.7	12.4X	6.6	10.8	-1.9	0.9	0.5	-1.3	0.6	12.3	-2.7	1.5	
JBUL9U	32.8	0.0	1.3	62.4	0.0	0.8	29.8	0.6	2.9	2.1	0.3	0.3	42.1	0.0	0.8	
JHRBPY	22.3	-0.8	0.4	36.8	-1.5	0.3	14.7	-1.4	0.3	4.2	2.5	4.3	29.9	-1.1	0.2	
KYUD3W	38.7	0.4	0.8	68.7	0.3	0.6	29.7	0.6	0.3	1.8	0.0	0.1	36.7	-0.5	0.3	
LWLKNN	36.7	0.3	2.1	62.1	-0.1	0.9	24.3	-0.1	0.5	2.7	1.0	0.5	41.9	0.0	1.5	
NMNUTR	27.5	-0.4	0.4	52.5	-0.6	1.1	21.5	-0.5	1.3	1.8	0.0	0.2	37.1	-0.5	0.8	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
QB7QMK	32.9	0.0	0.6	74.8	0.7	0.3	28.7	0.5	0.3	1.8	0.0	0.1	45.6	0.3	0.3	
QEKBLT	29.0	-0.3	0.2	61.5	-0.1	1.0	25.2	0.0	0.8	2.3	0.6	0.5	39.4	-0.2	0.7	
QZKP6P	39.1	0.5	0.1	69.9	0.4	0.1	24.5	-0.1	0.7	1.8	0.0	0.4	39.2	-0.3	0.7	
RFCRDF	50.5	1.3	0.5	98.6	2.0	0.2	33.2	1.1	1.1	5.4	3.8	0.6	46.1	0.4	1.0	
RLK63R	28.0	-0.3	0.5	48.2	-0.8	0.2	20.8	-0.6	0.8	1.7	-0.1	0.3	34.1	-0.7	0.8	
TBGGH9	44.3	0.8	3.0	63.6	0.0	0.8	26.5	0.2	0.6	4.1	2.4	0.1	45.3	0.3	0.6	
TN4NEA	67.5	2.5	0.4	63.3	0.0	0.0	27.0	0.3	0.2	1.7	-0.1	0.1	45.6	0.3	0.1	
TNLTVM	43.5	0.8	0.2	85.3	1.3	0.1	23.5	-0.2	0.4	2.3	0.6	1.1	43.9	0.2	0.4	
V24ATH	31.0	-0.1	0.4	63.6	0.0	0.1	27.8	0.4	0.6	1.9	0.1	0.2	44.4	0.2	0.3	
XE6F7E	53.6	1.5	0.5	52.1	-0.6	0.2	22.9	-0.3	0.1	2.1	0.3	0.4	32.8	-0.8	0.3	
Z63EAJ	23.4	-0.7	0.2	58.9	-0.2	0.0	22.8	-0.3	0.5	1.4	-0.4	0.0	43.4	0.1	0.4	

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	32.7			63.1			25.2			1.78			42.1			
Median Abs Dev	6.2			8.9			3.7			0.44			5.0			
Avg Within Lab SD	3.0			5.2			1.8			0.40			1.8			
Labs Included	36			36			37			35			37			
Labs Reporting	36			37			37			36			37			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	0.14	0.13	0.47	5.07	0.30	0.65	0.58	0.12	0.98	0.56	0.07	0.67	1.03	0.67	0.96	
2GC949	0.27	1.78	1.54	4.83	0.05	0.24	0.77	1.38	1.13	0.69	1.07	0.98	1.10	1.05	1.66	
2RTVDA	0.27	1.68	1.02	4.81	0.03	1.58	0.68	0.80	2.53	0.61	0.46	2.77	1.10	1.06	2.75	
37PMHB	0.09	-0.59	0.24	2.93	-2.00	0.65	0.22	-2.30	3.24	0.36	-1.59	0.21	0.66	-1.39	0.69	
3QJ2GA	0.15	0.17	0.63	4.93	0.15	0.45	0.54	-0.12	0.41	0.60	0.39	0.88	0.90	-0.09	0.51	
67KPKK	0.17	0.42	2.36	3.80	-1.07	0.42	0.57	0.03	1.13	0.50	-0.45		0.73	-1.00	0.96	
68RCPC	0.33	2.54	2.36	4.93	0.16	0.24	0.73	1.15	1.13	0.80	1.99	2.08	1.00	0.49	1.66	
6P2U7C	0.10	-0.42	0.00	4.56	-0.25	1.35	0.68	0.78	1.04	0.52	-0.30	0.60	1.06	0.80	0.49	
7FN7MB				3.51	-1.38	2.73	0.44	-0.85	1.15	0.48	-0.64	0.43	0.84	-0.39	0.96	
8P9ZCC	0.12	-0.14	0.16	4.52	-0.28	0.15	0.64	0.53	0.11	0.56	0.05	0.16	1.07	0.85	0.14	
C4VNJ6	0.17	0.42	0.24	6.39	1.73	0.53	0.69	0.88	0.41	0.51	-0.40	0.32	1.04	0.69	0.53	
D9FD98	0.20	0.85	0.00	5.17	0.41	0.24	0.62	0.41	0.49	0.55	-0.04	0.62	1.02	0.60	0.44	
DH64VY	0.13	-0.11	0.96	5.51	0.78	0.18	0.54	-0.14	0.16	0.63	0.60	0.40	0.91	-0.04	0.26	
DKCC76	0.15	0.25	0.24	4.63	-0.17	0.29	0.56	-0.04	0.11	0.60	0.36	0.00	0.74	-0.95	0.19	
EDTFU3	0.20	0.85	0.51	5.63	0.91	1.32	0.76	1.36	0.47	0.67	0.95	0.84	1.20	1.59	0.74	
EW63HV	0.11	-0.32	0.22	4.82	0.04	1.06	0.49	-0.45	0.56	0.56	0.04	0.67	0.91	0.00	0.65	
G7H4TL	0.10	-0.42	0.00	4.63	-0.17	0.24	0.40	-1.09	0.00	0.33	-1.81	1.20	0.80	-0.63	0.00	
GR4XGM	0.20	0.85	0.00	6.47	1.82	0.24	0.90	2.28	0.00	0.70	1.18	0.00	1.60	3.84X	0.00	
HRZQW7	0.90	9.73X	0.00	4.11	-0.73	0.16	0.57	0.08	0.41	0.58	0.23	0.24	0.85	-0.37	0.25	
J48ZVF	0.08	-0.64	0.40	3.38	-1.52	1.74	0.29	-1.81	0.14	0.32	-1.89	0.80	0.63	-1.58	1.51	
JBUL9U	0.15	0.16	0.71	4.90	0.12	0.39	0.67	0.71	1.62	0.62	0.55	0.30	1.02	0.62	0.62	
JHRBPY	0.04	-1.15	0.07	3.10	-1.82	0.14	0.35	-1.43	0.29	0.35	-1.65	0.04	0.73	-1.03	0.21	
KYUD3W	0.11	-0.34	0.47	4.37	-0.45	0.24	0.53	-0.19	1.13	0.50	-0.45		0.83	-0.44	0.48	
LWLKNN	0.13	0.00	2.36	4.57	-0.24	0.88	0.50	-0.42		0.57	0.09	1.20	0.97	0.30	0.96	
NMNUTR	0.09	-0.52	0.56	3.46	-1.44	2.85	0.45	-0.73	0.96	0.61	0.42	2.12	0.90	-0.05	2.93	
QB7QMK	0.08	-0.62	0.60	4.89	0.11	0.28	0.52	-0.27	0.16	0.48	-0.65	0.20	0.88	-0.16	0.34	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
QEKBLT	0.17	0.49	2.13	4.23	-0.60	0.93	0.56	-0.01	0.28	0.80	1.97	2.13	0.91	0.01	0.71	
QZKP6P	0.10	-0.42	0.00	4.93	0.16	0.24	0.50	-0.42		0.57	0.09	1.20	0.73	-1.00	0.96	
RFCRDF	0.12	-0.17	1.08	5.56	0.83	2.26	0.73	1.15	0.69	0.65	0.74	1.05	0.90	-0.09	0.10	
RLK63R	0.06	-0.93	1.63	3.96	-0.89	0.72	0.46	-0.69	1.48	0.54	-0.10	1.32	0.82	-0.52	0.86	
TBGGH9				4.99	0.22	0.40	0.48	-0.56	0.17	0.46	-0.79	0.27	0.96	0.27	1.20	
TN4NEA	0.07	-0.80	0.00	4.76	-0.03	0.17	0.56	0.01	0.11	0.52	-0.29	0.21	1.04	0.73	0.25	
TNLTVM	0.23	1.27	0.85	5.36	0.62	0.62	0.60	0.23	0.88	0.49	-0.53	0.36	0.94	0.17	0.25	
V24ATH	0.10	-0.37	0.29	4.66	-0.14	0.11	0.56	-0.01	0.25	0.53	-0.19	0.25	0.99	0.44	0.27	
XE6F7E	0.32	2.35	0.05	2.54	-2.42	0.15	0.68	0.78	0.17	0.42	-1.09	0.04	0.59	-1.79	0.16	
Z63EAJ	0.14	0.08	0.41	5.01	0.24	0.17	0.57	0.08	0.11	0.54	-0.15	0.12	1.23	1.75	0.35	

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.13			4.79			0.56			0.56			0.91			
Median Abs Dev	0.03			0.33			0.08			0.06			0.11			
Avg Within Lab SD	0.02			0.24			0.05			0.05			0.06			
Labs Included	33			36			36			36			35			
Labs Reporting	34			36			36			36			36			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups													Data units: mg/kg		
SRS1806				SRS1807			SRS1808			SRS1809			SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
37PMHB	0.65		1.00	4.53		1.00	1.70		1.00	1.27		1.00	1.27		1.00

Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups													Data units: mg/kg		
SRS1806				SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	0.65			4.53			1.70			1.27			1.27		
Median Abs Dev															
Avg Within Lab SD	0.03			0.25			0.02			0.06			0.04		
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CI - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	12.6	2.1	2.3	17.0	-0.6	1.4	10.3	-0.3	0.6	20.3	-0.8	1.3	4.2	0.2	0.0	
3QJ2GA	4.7	0.1	0.3	22.0	0.2	1.0	11.6	0.3	0.5	28.6	0.4	0.5	4.0	0.1	0.8	
7FN7MB	3.1	-0.4	0.2	17.6	-0.5	0.5	9.6	-0.6	0.3	19.7	-0.9	0.5	2.7	-0.6	0.6	
GR4XGM	2.5	-0.5	0.2	23.8	0.4	1.1	11.4	0.2	0.2	26.4	0.1	1.5	3.6	-0.2	0.7	
HRZQW7	2.8	-0.4	0.1	19.9	-0.2	0.5	11.0	0.0	0.1	22.0	-0.6	0.4	3.3	-0.3	0.1	
KYUD3W	4.3	-0.1	0.3	19.8	-0.2	0.2	11.3	0.2	0.6	27.0	0.2		3.3	-0.3	0.5	
LWLKNN	3.2	-0.4	1.5	22.0	0.2	1.5	10.6	-0.2	1.0	25.8	0.0	0.9	3.7	-0.1	1.2	
QZKP6P	5.4	0.2	0.3	22.0	0.2	0.2	10.9	0.0	0.9	25.9	0.0	0.1	5.4	0.9	1.2	
XE6F7E	7.7	0.8	0.3	7.4	-2.1	0.2	7.5	-1.6	0.1	9.3	-2.5	0.1	6.9	1.7	0.6	
YQBX8F	11.2	1.8	1.4	35.0	2.2	1.7	18.1	3.3	2.6	33.1	1.1	1.9	8.1	2.4	2.2	

CI - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	4.53			21.0			11.0			25.9			3.86			
Median Abs Dev	1.58			2.0			0.5			3.3			0.53			
Avg Within Lab SD	1.08			1.2			0.9			1.7			0.56			
Labs Included	10			10			10			10			10			
Labs Reporting	10			10			10			10			10			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups															Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
	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		
2RTVDA	0.20	0.41	2.43	0.27	-0.77	0.35	0.25	-0.54	4.36	0.52	0.07	0.94	0.59	-0.61	1.88		
37PMHB	0.04	-1.36	0.44	0.12	-1.48	0.05	0.10	-2.15	0.23	0.16	-2.78	0.21	0.26	-1.60	0.18		
3QJ2GA	0.09	-0.81	0.49	0.23	-0.95	0.09	0.14	-1.66	0.18	0.41	-0.82	0.14	0.37	-1.26	0.75		
68RCPC	0.20	0.46	0.00	0.60	0.84	0.00	0.37	0.60	0.86	0.57	0.40	0.78	1.00	0.62			
6R323A	0.38	2.58	1.90	0.32	-0.51	0.04	0.28	-0.28	0.15	0.55	0.29	0.34	0.44	-1.06	0.35		
6U9LRV	0.17	0.11	0.38	0.46	0.16	0.08	0.35	0.46	0.17	0.59	0.58	0.00	0.95	0.46	0.07		
7FN7MB				0.44	0.06	0.19	0.31	0.02	0.39	0.50	-0.10	1.27	0.78	-0.03	1.92		
7LU37B	0.14	-0.23	0.48	0.43	0.01	0.06	0.28	-0.25	0.33	0.51	-0.03	0.09	0.79	0.00	0.28		
8P9ZCC	0.17	0.09	2.10	1.45	5.01	4.75	0.47	1.66	0.41	0.41	-0.81	3.69	1.19	1.20	2.73		
C4VNJ6	0.09	-0.78	0.44	0.16	-1.29	0.07	0.15	-1.64	0.48	0.41	-0.81	0.64	0.35	-1.32	0.81		
D9FD98	0.15	-0.16	0.59	0.36	-0.34	0.02	0.25	-0.56	0.09	0.42	-0.73	0.28	0.51	-0.86	0.29		
DH64VY	0.11	-0.55	0.29	0.34	-0.41	0.06	0.25	-0.64	0.23	0.51	-0.07	0.23	0.68	-0.35	0.66		
DKCC76	0.22	0.73	0.22	0.32	-0.54	0.02	0.28	-0.28	0.00	0.32	-1.55	0.00	0.45	-1.03	0.23		
ECGU62	0.13	-0.38	0.02	0.47	0.22	0.01	0.32	0.12	0.05	0.58	0.50	0.03	1.02	0.68	0.04		
EW63HV	0.30	1.57	1.78	0.42	-0.05	0.14	0.31	0.06	0.91	0.40	-0.90	0.65	0.64	-0.47	0.53		
Q6VMQQ	0.19	0.38	1.46	0.56	0.65	0.19	0.39	0.83	0.15	0.64	1.01	0.64	1.01	0.65	0.88		
QB7QMK	0.16	-0.04	0.85	0.47	0.22	0.09	0.34	0.32	0.28	0.59	0.62	0.76	1.00	0.62	0.35		
TJ9W6Q	0.10	-0.70	0.00	0.33	-0.46	0.18	0.20	-1.10	0.00	0.43	-0.65	0.78	0.87	0.22	0.67		
TZTN7C	0.15	-0.16	0.22	0.49	0.31	0.27	0.32	0.12	1.12	0.66	1.16	1.70	1.07	0.82	1.58		
U3GJ7P	0.14	-0.26	0.18	0.43	0.00	0.05	0.31	0.00	0.28	0.52	0.00	0.52	0.83	0.11	0.93		
UZ94YJ	0.20	0.51	0.14	0.60	0.83	0.13	0.41	0.99	0.22	0.67	1.22	0.17	0.91	0.34	0.08		
V24ATH	0.16	0.04	0.19	0.49	0.32	0.15	0.30	-0.06	0.28	0.56	0.34	0.40	0.94	0.45	0.56		
XE6F7E	0.38	2.55	0.66	0.41	-0.09	0.05	0.42	1.18	0.11	0.52	0.07	0.42	0.54	-0.76	0.10		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups						Data units: mg/kg
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	0.16	0.43	0.31	0.52	0.79	
Median Abs Dev	0.04	0.09	0.05	0.08	0.21	
Avg Within Lab SD	0.03	0.32	0.07	0.07	0.09	
Labs Included	22	23	23	23	23	
Labs Reporting	22	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	0.05	-0.31	0.64	0.16	-0.12	0.52	0.08	-0.63	0.59	0.39	-0.54	0.67	0.29	0.33	0.61	
67KPKK	0.03	-0.49	0.18	0.10	-0.58	0.26	0.09	-0.51	0.33	0.42	-0.32	0.17	0.26	-0.23	0.59	
6P2U7C	0.09	0.22	0.97	0.20	0.25	1.34	0.15	0.60	1.11	0.41	-0.41	0.38	0.26	-0.27	1.03	
G7H4TL	0.03	-0.49	0.29	0.24	0.65	0.94	0.08	-0.71	0.00	0.28	-1.59	0.15	0.27	-0.11	0.81	
GR4XGM				0.03	-1.27	0.42	0.10	-0.36	0.00	0.50	0.42		0.30	0.44	0.00	
HRZQW7	0.05	-0.26	0.29	0.12	-0.44	0.45	0.13	0.18	0.69	0.48	0.27	0.15	0.26	-0.16	0.31	
J48ZVF							0.05	-1.31	1.64	0.29	-1.51	1.61	0.17	-1.61	2.08	
JHRBPY	0.05	-0.27	0.22	0.16	-0.06	0.05	0.10	-0.39	0.49	0.34	-0.98	0.06	0.28	0.05	0.67	
KYUD3W	0.11	0.37	0.59	0.20	0.27	0.00	0.12	-0.06	1.99	0.32	-1.23	0.77	0.25	-0.38		
LWLKNN	0.15	0.92	1.28	0.38	1.90	0.52	0.20	1.49	0.40	0.48	0.24	0.27	0.37	1.53	1.34	
QEKBLT	0.18	1.26	2.63	0.26	0.80	2.63	0.17	0.90	1.06	0.51	0.52	1.65	0.33	0.85	1.33	
QZKP6P	0.19	1.32	0.78	0.42	2.19	0.69	0.18	1.01	1.44	0.46	0.03	0.67	0.43	2.62	0.81	
RFCRDF	0.24	1.98	0.78	0.14	-0.24	1.14	0.19	1.25	0.69	0.45	0.00	0.15	0.27	-0.05	0.53	
RLK63R	0.06	-0.22	0.59	0.17	0.00	0.78	0.12	0.06	1.05	0.45	0.00	1.26	0.32	0.82	1.11	
TBGGH9	0.46	4.57X	6.65	1.98	16.09X	39.90	0.46	6.13X	5.83	0.68	2.05	2.31				

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.075			0.17			0.12			0.45			0.27			
Median Abs Dev	0.037			0.05			0.03			0.05			0.02			
Avg Within Lab SD	0.020			0.02			0.01			0.04			0.02			
Labs Included	12			13			14			15			14			
Labs Reporting	13			14			15			15			14			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
6P2U7C	0.11	0.00	0.48	0.15	0.00	0.27	0.11	0.23	0.43	0.04	0.31	0.80	0.26	0.80	0.94	
7FN7MB	0.10	-0.10	1.05	0.14	-0.79	0.62	0.11	0.00	0.43	0.04	0.00	0.34	0.25	0.49	0.47	
C4VNJ6	0.12	1.04	0.55	0.16	1.71	0.29	0.12	0.86	2.67	0.07	2.66	1.29	0.25	0.33	0.21	
HH9FFJ	0.11	0.50	1.48	0.15	0.23	1.04	0.11	0.66	0.34	0.04	0.27	0.88	0.23	-0.23	0.11	
LWLKNN	0.11	0.50	0.77	0.16	1.61	0.31	0.11	0.47	0.41	0.04	0.43	0.90	0.23	-0.12	0.12	
QB7QMK	0.05	-3.12	2.12	0.14	-0.45	2.64	0.08	-2.02	0.99	0.02	-0.95	1.39	0.15	-2.98	2.63	
RLK63R	0.10	-0.34	0.31	0.14	-0.95	0.56	0.09	-0.99	0.43	0.03	-0.60	1.67	0.22	-0.64	0.88	
TN4NEA	0.11	0.08	0.15	0.15	0.00	0.10	0.10	-0.29	0.00	0.03	-0.48	0.46	0.25	0.48	0.09	
UZ94YJ	0.10	-0.38	0.06	0.14	-0.33	0.15	0.10	-0.55	0.25	0.03	-0.37	0.22	0.24	0.00	0.31	

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups														Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.11			0.15			0.11			0.035			0.24			
Median Abs Dev	0.01			0.00			0.01			0.005			0.01			
Avg Within Lab SD	0.01			0.02			0.01			0.004			0.03			
Labs Included	9			9			9			9			9			
Labs Reporting	9			9			9			9			9			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2GC949	0.11	0.14	1.27	0.16	0.00	1.56	0.10	-0.08	0.00	0.04	0.26	0.00	0.25	0.39		
3QJ2GA	0.10	-0.14	0.15	0.14	-1.06	0.32	0.10	-0.17	0.48	0.03	-0.65	0.33	0.24	0.06	0.22	
3VC8R7	0.10	-0.39	0.58	0.14	-1.16	0.23	0.09	-0.63	0.83	0.02	-1.56	0.40	0.24	0.10	0.28	
6P2U7C	0.14	2.98X	3.36	0.17	0.93	1.56	0.13	2.40	0.00	0.07	3.07X	1.99	0.28	1.38	0.82	
7FN7MB	0.10	-0.68	1.34	0.14	-1.06	0.21	0.10	-0.03	0.50	0.03	-0.86	0.72	0.24	-0.16	0.14	
8P9ZCC	0.13	1.96	1.30	0.17	0.69	0.62	0.12	1.65	0.97	0.05	1.21	0.52	0.27	0.97	0.23	
G7H4TL	0.11	0.27	0.38	0.16	0.13	0.49	0.11	0.94	0.83	0.04	0.44	0.53	0.25	0.47	0.49	
HRZQW7	0.12	1.06	0.25	0.17	0.93	2.29	0.11	1.07	0.87	0.04	0.51	1.59	0.25	0.33	0.71	
JBUL9U	0.11	0.77	1.55	0.16	0.00	1.22	0.11	0.92	1.51	0.04	0.56	2.44	0.94	25.96X	172.27	
PQ2XUU	0.12	1.09	1.27	0.16	0.00	0.78	0.11	0.74	0.00	0.05	1.32	0.00	0.23	-0.34	0.00	
QZKP6P	0.10	-0.49	0.22	0.15	-0.48	0.36	0.10	0.00	0.57	0.04	0.02	0.20	0.24	-0.06	0.29	
RLK63R	0.09	-1.12	0.99	0.13	-1.68	0.78	0.09	-1.24	0.66	0.02	-1.67	0.72	0.19	-1.94	0.82	
TCB6YH	0.10	-0.49		0.14	-0.93		0.10	-0.08		0.03	-0.79		0.20	-1.45		
UADE4N	0.10	-0.17	1.47	0.16	0.06	1.37	0.10	-0.11	2.38	0.04	-0.02	2.02	0.23	-0.29	1.28	
URX669	0.11	0.14	1.27	0.14	-0.93	0.00	0.10	0.19	1.90	0.04	0.26	0.00	0.20	-1.45	0.00	
UZ94YJ	0.12	1.65	0.67	0.17	0.99	0.48	0.11	0.85	0.38	0.04	-0.12	0.72	0.27	1.28	3.15	
YQBX8F	0.10	-0.23	0.25	0.15	-0.43	0.27	0.10	-0.36	0.19	0.03	-0.54	0.20	0.24	-0.13	0.16	

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	0.11			0.16			0.10			0.038			0.24			
Median Abs Dev	0.01			0.02			0.01			0.005			0.01			
Avg Within Lab SD	0.00			0.01			0.00			0.003			0.01			
Labs Included	16			17			17			16			16			
Labs Reporting	17			17			17			17			17			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups													Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
2GC949	1.12	-1.08	0.74	1.67	0.00	2.39	1.07	-0.78	0.24	0.17	-1.09	1.29	2.59	0.62	0.75
3QJ2GA	1.24	0.05	0.15	1.68	0.03	0.05	1.15	0.00	0.07	0.26	0.00	0.26	2.52	0.00	0.06
67KPKK	0.25	-9.35X	0.43	0.04	-18.23X	0.00	0.10	-10.34X	0.24	0.14	-1.35	0.39	0.11	-20.10X	0.00
7FN7MB	1.33	0.88	1.73	1.68	0.11	0.29	1.22	0.74	0.73	0.31	0.50	2.55	2.51	-0.05	0.48
G7H4TL	1.18	-0.48	1.31	1.64	-0.37	0.68	1.13	-0.12	0.88	0.17	-1.05	1.16	2.55	0.22	1.30
HRZQW7	1.05	-1.71	0.77	1.54	-1.46	1.55	0.96	-1.82	1.52	0.11	-1.78	0.14	2.32	-1.64	0.84
PQ2XUU	1.13	-1.02	0.25	1.78	1.15	0.78	1.08	-0.68	1.71	0.18	-0.93	0.67	2.54	0.14	0.55
TBGGH9	1.16	-0.67	0.15	1.58	-0.99	0.17	1.07	-0.75	0.58				2.50	-0.13	0.16
TCB6YH	1.25	0.15		1.64	-0.37		1.18	0.34		0.28	0.20		2.22	-2.50	
U3GJ7P	1.23	0.00	2.17	1.64	-0.33	1.30	1.07	-0.79	1.59	0.25	-0.14	0.53	2.58	0.47	2.40
UADE4N	1.28	0.44	0.86	1.78	1.23	0.76	1.18	0.37	0.88	0.29	0.28	0.50	2.55	0.28	0.67
URX669	1.28	0.47	0.65	1.65	-0.26	0.19	1.16	0.18	1.07	0.28	0.20	0.67	2.23	-2.39	1.43
UZ94YJ	1.41	1.65	0.27	1.84	1.90	0.10	1.36	2.14	0.65	0.35	0.95	0.89	2.48	-0.30	0.33
YQBX8F	1.22	-0.16	0.30	1.72	0.56	0.61	1.15	0.06	0.42	0.29	0.30	0.22	2.52	0.02	0.38

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups													Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	1.23			1.67			1.15			0.26			2.52		
Median Abs Dev	0.05			0.03			0.07			0.04			0.03		
Avg Within Lab SD	0.02			0.05			0.02			0.01			0.05		
Labs Included	13			13			13			13			13		
Labs Reporting	14			14			14			13			14		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
2RTVDA	2.51	1.10	0.47	3.38	0.49	0.74	1.76	0.92	1.18	0.69	1.03	0.31	4.68	0.65	0.31	
37PMHB	2.46	0.87	1.57	2.55	-0.66	0.95	1.79	1.08	0.67	1.45	4.96	3.71	5.03	1.46	1.14	
3H6L47	2.10	-0.61	0.77	2.66	-0.52	0.71	1.47	-0.74	0.88	0.58	0.45	0.74	3.71	-1.59	0.36	
67KPKK	2.75	2.08	0.19	0.30	-3.78X	0.02	1.29	-1.78	0.17	1.80	6.74X	0.30	1.33	-7.07X	0.08	
68RCPC	2.27	0.07	0.72	3.07	0.05	0.24	1.60	0.00	0.00	0.60	0.55	0.00	3.70	-1.61	0.00	
6P2U7C	2.08	-0.72	1.02	2.97	-0.08	0.61	1.58	-0.11	2.50	0.45	-0.22	0.45	4.13	-0.63	3.51	
6Y3L66	2.21	-0.16	0.78	3.80	1.06	0.25	1.51	-0.49	0.83	1.00	2.61	0.34	4.64	0.55	0.19	
7FN7MB	2.17	-0.35	0.36	2.76	-0.37	0.71	1.82	1.27	0.08				4.40	0.00	0.51	
8P9ZCC	2.41	0.68	2.59	3.23	0.27	0.29	1.66	0.36	1.00	0.50	0.03	0.23	4.08	-0.73	0.49	
C4VNJ6	2.53	1.19	1.91	4.07	1.43	3.71	1.77	0.95	0.85	0.47	-0.14	0.65	3.90	-1.15	1.45	
D9FD98	2.32	0.28	0.47	3.21	0.24	0.29	1.64	0.25	0.86	0.55	0.28	0.17	4.53	0.31	0.23	
FJQPFL	2.51	1.09	0.66	4.08	1.44	0.10	1.70	0.59	0.08	0.49	-0.02	0.79	4.10	-0.68	0.32	
G7H4TL	2.23	-0.07	0.72	2.90	-0.18	0.41	1.60	0.00	0.00	0.57	0.38	0.65	4.40	0.00	0.55	
HH9FFJ	2.06	-0.81	0.94	2.94	-0.13	0.51	1.51	-0.50	0.56	0.49	-0.03	0.49	4.54	0.33	0.37	
HRZQW7	2.53	1.16	0.29	3.41	0.53	0.60	1.82	1.27	1.77	0.57	0.40	0.40	4.85	1.03	0.91	
JHRBPY	2.26	0.04	0.08	3.00	-0.05	0.10	1.85	1.43	0.27	0.47	-0.14	0.10	4.13	-0.61	0.33	
KYUD3W	2.23	-0.07	0.72	4.67	2.26	0.48	1.53	-0.38	0.85	0.40	-0.48	0.00	4.57	0.39	0.32	
QB7QMK	3.28	4.30X	1.98	5.15	2.93	0.93	1.45	-0.83	1.58	0.46	-0.19	1.08	4.61	0.50	0.93	
TN4NEA	1.86	-1.64	0.51	2.76	-0.38	0.21	1.45	-0.87	0.81	0.40	-0.50	0.36	4.22	-0.41	0.05	
UADE4N	2.14	-0.46	0.33	3.00	-0.05	0.41	1.56	-0.25	0.74	0.49	0.00	0.06	4.10	-0.69	0.25	
YQBX8F	2.24	-0.04		2.78	-0.35		1.58	-0.11		0.41	-0.43		4.47	0.17		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	2.25	3.03	1.60	0.49	4.40	
Median Abs Dev	0.15	0.27	0.10	0.07	0.27	
Avg Within Lab SD	0.08	0.24	0.07	0.09	0.18	
Labs Included	20	20	21	19	20	
Labs Reporting	21	21	21	20	21	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	2.57	0.41	0.78	5.20	-0.09	1.03	2.03	0.00	0.51	0.71	-0.24	0.91	5.17	0.12	0.54	
2RTVDA	2.57	0.43	0.82	5.22	-0.04	0.47	2.07	0.16	0.90	0.69	-0.38	1.11	5.11	-0.01	0.38	
37PMHB	1.25	-8.09X	0.68	2.08	-8.76X	0.26	0.54	-7.13X	3.53	0.33	-2.92X	0.48	2.39	-6.58X	0.35	
3H6L47	2.44	-0.39	0.75	7.21	5.49X	0.98	2.82	3.75	0.22	1.06	2.23	0.40	4.81	-0.74	0.14	
3QJ2GA	2.54	0.24	0.75	5.24	0.02	0.72	2.03	0.00	0.55	0.67	-0.51	0.85	5.10	-0.05	0.85	
3VC8R7	2.53	0.15	0.08	5.35	0.33	0.51	1.93	-0.49	1.07	0.74	-0.01	0.16	5.09	-0.06	0.34	
4MBD7C	2.87	2.35	0.31	5.33	0.26	1.43	2.69	3.13	0.57	1.09	2.46	0.82	4.87	-0.60	0.61	
6P2U7C	2.30	-1.34	1.77	5.03	-0.56	1.38	2.17	0.64	3.41	0.96	1.57	2.39	5.66	1.30	4.53	
6R323A	2.42	-0.56	0.16	5.06	-0.48	0.21	1.95	-0.38	0.05	0.72	-0.17	0.33	4.94	-0.43	0.10	
77XN93	2.43	-0.45	0.78	5.23	0.00	1.19	2.00	-0.16		0.77	0.18	0.91	5.13	0.04	0.27	
7X9XNV	2.49	-0.11	0.34	5.37	0.38	0.27	1.96	-0.35	0.09	0.71	-0.24	0.09	5.00	-0.27	0.14	
8LTFD4	2.70	1.27	0.00	5.73	1.39	0.60	2.23	0.96	0.51	0.85	0.75	0.33	5.70	1.41	0.00	
8NDCV3	2.44	-0.39	0.12	5.27	0.10	0.11	2.15	0.53	1.10	0.61	-0.90	0.14	4.89	-0.54	0.05	
9RB939	2.55	0.30	1.38	5.31	0.20	0.36	2.37	1.61	1.38	0.97	1.59	1.07	5.59	1.13	0.29	
C4VNJ6	2.57	0.41	0.78	5.23	0.00	1.19	2.23	0.96	0.51	0.60	-0.99	0.00	5.47	0.84	0.27	
DH64VY	2.40	-0.67	1.36	4.77	-1.30	1.58	1.87	-0.80	1.34	0.67	-0.52	2.41	4.97	-0.36	2.12	
DKCC76	2.40	-0.69	0.16	5.02	-0.60	0.59	1.93	-0.48	0.10	0.74	-0.03	1.00	5.06	-0.14	0.19	
ECGU62	2.79	1.82	0.02	5.64	1.12	0.82	2.25	1.03	0.39	0.79	0.36	0.62	4.50	-1.48	0.82	
EDTFU3	2.50	-0.03	1.15	5.00	-0.65	0.68	1.86	-0.81	1.24	1.06	2.23	0.88	5.56	1.06	1.59	
EW63HV	2.55	0.28	0.28	5.21	-0.06	1.00	2.01	-0.13	0.31	0.72	-0.15	0.72	5.12	0.00	0.19	
FW2Z7W	2.60	0.63	0.00	5.33	0.28	0.60	2.10	0.32	0.00	0.77	0.18	0.91	5.20	0.20	0.00	
GR4XGM	2.60	0.63	0.00	5.63	1.11	1.19	2.07	0.16	0.51	0.83	0.65	0.91	6.30	2.86	0.47	
HDYRBV	2.27	-1.53	0.78	5.17	-0.19	0.60	1.70	-1.59	0.00	0.50	-1.70		4.60	-1.25	0.47	
J48ZVF	2.47	-0.19	1.64	5.20	-0.08	1.14	2.10	0.30	0.86	0.73	-0.10	0.51	4.85	-0.65	0.53	
J4ALQW	2.47	-0.22	0.00	4.88	-0.99	0.00	2.11	0.38	0.00	0.78	0.30	0.00	5.13	0.03	0.00	
JNUMLV	2.52	0.11	0.23	5.25	0.06	0.90	2.03	-0.02	0.09	0.88	0.96	0.09	5.43	0.76	0.47	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
KYUD3W	2.47	-0.24	0.78	5.33	0.28	0.60	2.00	-0.16		0.63	-0.76	0.91	5.37	0.60	0.27	
LWLKNN	2.50	-0.04	2.21	5.34	0.31	0.69	1.98	-0.24	1.36	0.75	0.09	0.91	4.96	-0.37	0.51	
NEGRVL	2.58	0.51	0.81	5.52	0.81	1.65	2.11	0.38	0.70	0.82	0.54	1.36	5.40	0.69	1.44	
P4AJHT	2.57	0.41	2.07	5.07	-0.46	1.19	2.03	0.00	1.83	0.67	-0.52	1.82	4.83	-0.68	0.54	
QB7QMK	2.79	1.88	1.79	6.11	2.43	1.15	2.40	1.77	1.23	0.80	0.39	1.12	5.80	1.66	1.26	
QEKBLT	2.50	-0.02		5.30	0.19	0.00	2.00	-0.16	0.88	0.67	-0.52	0.91	4.90	-0.52	0.47	
QZKP6P	2.46	-0.26	0.28	5.21	-0.06	0.37	2.02	-0.05	0.33	0.78	0.25	0.09	5.01	-0.26	0.17	
RFCRDF	2.33	-1.14	1.58	4.70	-1.48	1.03	2.13	0.45	0.57	0.83	0.63	1.19	5.20	0.20	0.47	
RLK63R	2.54	0.26	1.03	4.66	-1.59	2.77	2.07	0.19	2.21	0.91	1.19	1.50	5.18	0.16	0.99	
RR4HXK	2.69	1.19	1.18	5.67	1.21	1.43	2.25	1.04	1.24	0.82	0.59	2.39	5.67	1.33	0.65	
RX9EGK	2.41	-0.58	0.34	5.06	-0.49	0.86	2.00	-0.14	0.44	0.81	0.49	0.55	5.03	-0.21	0.17	
TNLTVM	2.62	0.78	1.93	5.63	1.09	1.53	2.16	0.59	1.11	0.84	0.70	1.03	5.89	1.86	0.98	
UADE4N	2.59	0.56	0.36	5.53	0.82	0.36	2.27	1.12	0.05	0.71	-0.22	0.42	5.16	0.10	0.82	
UPDVFQ	2.51	0.02	0.41	5.16	-0.21	0.26	1.98	-0.26	0.09	0.70	-0.29	0.32	5.10	-0.05	0.07	
URX669	2.67	1.06	1.57	5.50	0.74	1.03	2.17	0.64	1.02	0.80	0.42	0.00	5.53	1.01	0.72	
UZ94YJ	2.16	-2.22	1.11	4.67	-1.56	0.80	1.69	-1.64	0.18	0.49	-1.77	0.16	4.73	-0.93	0.27	
V24ATH	2.30	-1.30	0.33	4.84	-1.09	1.20	1.77	-1.25	1.90	0.59	-1.07	1.50	4.42	-1.68	0.14	
VFJAMN	2.43	-0.47	0.09	5.09	-0.41	0.32	1.86	-0.85	0.19	0.60	-1.01	0.36	4.96	-0.38	0.14	
XAANXG	2.77	1.70	1.57	6.20	2.69	1.03	2.20	0.80	0.00	0.87	0.89	0.91	7.87	6.64X	0.27	
XE6F7E	2.43	-0.50	0.49	5.24	0.03	0.81	2.10	0.30	0.35	0.74	0.01	0.16	5.18	0.16	0.19	
YQBX8F	2.37	-0.88	0.78	5.10	-0.37	1.03	1.80	-1.12	0.88	0.67	-0.52	0.91	5.17	0.12	1.65	
Z63EAJ	2.61	0.71	0.61	5.49	0.71	0.98	2.02	-0.06	1.10	0.74	-0.01	0.42	5.19	0.17	1.08	
ZZWCUH	2.50	-0.02	1.08	4.38	-2.37	0.88	2.02	-0.05	0.28	0.73	-0.08	0.96	4.20	-2.21	1.88	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS1806	SRS1807	SRS1808	SRS1809	SRS1810	
Grand Median	2.50	5.23	2.03	0.74	5.12	
Median Abs Dev	0.08	0.17	0.09	0.07	0.22	
Avg Within Lab SD	0.07	0.10	0.11	0.06	0.21	
Labs Included	48	47	48	48	47	
Labs Reporting	49	49	49	49	49	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups															Data units: %
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
	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
6R323A	2.24		0.24	4.62		0.21	1.82		0.09	0.71		1.00	4.51		0.08
7FN7MB	2.77		1.21	5.77		1.61	2.50		1.50				6.40		1.69
HDYRBV	2.07		1.21	4.63		0.61	1.57		0.86	0.50			4.20		0.39
SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups															Data units: %
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810		
Grand Median	2.24			4.63			1.82			0.60			4.51		
Median Abs Dev															
Avg Within Lab SD	0.05			0.09			0.07			0.02			0.26		
Labs Included	3			3			3			2			3		
Labs Reporting	3			3			3			2			3		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CaCO3 Content (SubTestCode 185) in the Content Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
7FN7MB				0.44	-0.33		0.40	-0.49		0.45	-0.44		0.65	-0.14	0.44	
C4VNJ6	0.17	-0.66	1.88	0.33	-0.50	0.41	0.77	0.82	0.79	0.70	0.00	1.03	1.03	0.51	0.59	
FYQ7QT							0.61	0.27	0.08				0.83	0.17	0.06	
HC3JWJ	2.21	7.15X	4.55	1.57	1.43	2.02	1.98	5.16X	1.98	1.47	1.36	1.66	1.75	1.74	1.68	
J48ZVF	0.34	0.00		1.64	1.55					0.07	-1.11					
KYUD3W	0.10	-0.92	0.00	0.13	-0.82	0.41	0.20	-1.20	0.00	0.40	-0.53	0.00	0.20	-0.91	0.00	
QB7QMK	0.45	0.43	0.41	1.10	0.71	1.25	0.46	-0.27	1.81	1.33	1.11	0.77	1.54	1.39	0.92	
RLK63R	0.19	-0.56	0.80	0.65	0.00	0.48	0.63	0.34	0.96	0.80	0.17	0.31	0.47	-0.45	0.12	
TBGGH9	0.51	0.64	0.89	0.30	-0.56	0.35	0.31	-0.82	0.42	0.17	-0.94	0.14	0.30	-0.75	0.52	
XAANXG	0.73	1.50	0.94	0.77	0.18	0.83	0.87	1.18	1.42	0.93	0.41	1.57	0.73	0.00	2.12	

CaCO3 Content (SubTestCode 185) in the Content Property Groups														Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median		0.34			0.65			0.54			0.70			0.73		
Median Abs Dev		0.17			0.36			0.18			0.30			0.30		
Avg Within Lab SD		0.06			0.14			0.15			0.10			0.10		
Labs Included		7			9			8			9			9		
Labs Reporting		8			9			9			9			9		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups														Data units: cmol/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
6P2U7C	8.8	1.2	1.6	13.6	0.5	1.7	11.3	1.5	2.0	10.0	1.7	2.3	25.0	-0.2	2.6	
7FN7MB	5.9	0.1	1.5	10.3	-0.1	1.0	8.3	0.0	0.8	7.2	0.1	0.2	27.6	0.3	0.4	
C4VNJ6	11.9	2.4	1.0	22.2	2.3	0.4	13.3	2.6	0.7	9.0	1.2	0.5	40.3	2.6	0.7	
G7H4TL	5.8	0.0	1.3	16.1	1.0	1.9	8.4	0.0	0.8	6.9	-0.1	0.6	26.0	0.0	0.0	
GR4XGM	2.2	-1.4	0.3	5.5	-1.1	0.1	7.7	-0.3	0.4	9.8	1.7	0.9	22.0	-0.7	0.2	
HRZQW7	6.4	0.2	0.3	12.1	0.2	0.2	9.0	0.4		7.0	0.0		28.9	0.5	0.1	
RLK63R	4.6	-0.5	0.4	8.6	-0.5	0.4	7.0	-0.7	0.8	5.4	-0.9	0.0	20.0	-1.1	0.5	
TN4NEA	5.4	-0.2	0.6	11.0	0.0	0.4	8.3	0.0	0.5	6.8	-0.1	0.2	26.9	0.2	0.3	
YQBX8F	5.3	-0.2		9.8	-0.3		7.1	-0.6		6.6	-0.2		23.0	-0.5		
CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups														Data units: cmol/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	5.77			11.0			8.30			7.00			26.0			
Median Abs Dev	0.60			2.4			0.70			0.37			2.8			
Avg Within Lab SD	0.23			1.1			0.25			0.33			1.9			
Labs Included	9			9			9			9			9			
Labs Reporting	9			9			9			9			9			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups														Data units: cmol/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
6P2U7C	7.60	0.82	2.92	11.43	0.51	2.50	9.63	1.04	1.26	11.27	0.40	0.69	24.67	0.74	0.13	
EW63HV	8.73	1.20	1.32	13.33	1.01	0.63	9.23	0.76	0.18	12.20	0.79	0.99	23.50	0.30	0.57	
FW2Z7W	4.23	-0.31	0.14	8.83	-0.18	0.80	8.10	-0.02	0.54	12.00	0.71		22.00	-0.26		
GR4XGM	2.23	-0.99	0.14	5.47	-1.06	0.29	7.70	-0.30	0.31	9.83	-0.22	1.01	21.97	-0.28	0.46	
H67NYL	5.17	0.00	0.14	9.50	0.00	0.25	11.37	2.25	0.90	6.90	-1.47	0.88	27.17	1.68	1.02	
J48ZVF	1.76	-1.15	0.38	4.41	-1.34	0.96	6.37	-1.23	0.94	7.65	-1.15	1.51	20.83	-0.70	2.50	
LWLKNN	7.07	0.64	1.52	12.47	0.78	0.52	8.13	0.00	1.18	12.60	0.97	0.66	22.47	-0.09	0.40	
P4AJHT	5.13	-0.01	0.14	8.03	-0.39	0.29	8.97	0.58	0.65	11.77	0.61	1.53	22.40	-0.11	0.98	
QB7QMK	3.43	-0.58	0.20	7.71	-0.47	1.03	10.00	1.30	0.98	12.20	0.79	1.62	26.48	1.42	1.56	
QZKP6P	8.03	0.96	0.14	12.33	0.75	1.46	8.03	-0.07	1.81	8.80	-0.66	0.33	23.40	0.26	0.52	
TNLTVM	2.37	-0.94	0.14	5.47	-1.06	0.14	7.53	-0.42	0.18	10.17	-0.07	0.51	22.70	0.00	0.23	
UADE4N	8.24	1.03	0.23	13.32	1.01	0.72	7.72	-0.29	0.92	8.13	-0.94	0.49	26.47	1.42	0.34	
UZ94YJ	5.55	0.13	0.29	10.28	0.20	0.72	8.88	0.52	1.54	10.34	0.00	0.70	18.66	-1.52	0.38	

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups														Data units: cmol/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	5.17			9.50			8.13			10.3			22.7			
Median Abs Dev	2.43			2.83			0.74			1.7			0.8			
Avg Within Lab SD	0.42			0.40			0.32			0.3			0.9			
Labs Included	13			13			13			13			13			
Labs Reporting	13			13			13			13			13			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
4MBD7C	1.62	1.75	0.00	1.44	1.12	0.55	1.61	1.74	0.21	1.64	2.29	0.35	1.54	2.01	0.44	
H67NYL	1.27	-0.70	0.72	1.24	-0.82	1.45	1.25	-0.43	1.46	1.41	-0.34	1.41	1.19	-0.34	1.16	
HRZQW7	1.52	1.08	0.27	1.44	1.09	0.32	1.55	1.36	0.36	1.53	1.03	0.00	1.47	1.52	0.00	
J48ZVF	1.37	-0.01	0.87	1.25	-0.72	0.58	1.29	-0.19	0.07	1.43	-0.14	1.24	1.23	-0.04	0.72	
QB7QMK	1.37	0.01	0.90	1.34	0.11	0.80	1.35	0.19	0.79	1.44	-0.01	1.08	1.25	0.04	0.33	
TJ9W6Q	1.41	0.29	0.95	1.39	0.67	0.63	1.38	0.38	0.21	1.54	1.15	0.61	1.34	0.66	0.29	
TZTN7C	1.28	-0.61	2.17	1.31	-0.11	0.63	1.25	-0.39	0.55	1.44	0.01	0.93	1.20	-0.25	0.60	
URX669	1.23	-0.95	0.47	1.25	-0.75	1.93	1.20	-0.71	2.17	1.41	-0.42	1.41	1.16	-0.54	2.32	

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	1.37			1.32			1.32			1.44			1.24			
Median Abs Dev	0.09			0.08			0.07			0.03			0.07			
Avg Within Lab SD	0.02			0.02			0.03			0.02			0.03			
Labs Included	8			8			8			8			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	83.3	0.6	1.1	49.3	0.2	0.9	42.7	0.4	0.9	85.3	0.3	1.1	32.7	0.7	1.0	
37PMHB	78.7	-0.6	1.1	51.7	0.8	0.9	26.3	-3.2X	1.2	84.7	0.1	1.1	23.7	-1.2	0.5	
3QJ2GA	80.0	-0.3	1.0	46.3	-0.6	0.5	43.3	0.6	0.5	84.0	-0.1	1.0	36.0	1.4	0.8	
3VC8R7	81.1	0.0	1.4	44.0	-1.2	0.6	33.6	-1.6	0.0	84.9	0.1	1.3	22.8	-1.3	0.0	
4MBD7C	80.0	-0.3		46.7	-0.5	0.9	37.7	-0.7	0.5	83.0	-0.4		25.0	-0.9		
67KPKK	83.3	0.6	1.4	49.2	0.1	0.6	40.8	0.0	1.2	83.3	-0.3	1.4	29.6	0.1	0.6	
77XN93	74.7	-1.7	1.1	40.5	-2.1	2.4	30.6	-2.2	1.1	77.1	-2.0	0.4	21.9	-1.5	0.6	
7FN7MB	86.6	1.5	1.1	52.0	0.8	0.6	41.8	0.2	0.5	87.4	0.8	0.6	30.1	0.2	0.1	
7LU37B	78.7	-0.6	1.1	42.7	-1.5	0.9	37.3	-0.8	0.9	81.3	-0.8	1.1	24.7	-1.0	1.0	
9RB939	85.5	1.2	0.8	48.7	0.0	2.5	49.3	1.9	2.5	90.1	1.6	1.8	30.8	0.3	3.6	
C4VNJ6	81.0	0.0		48.0	-0.2	0.8	41.0	0.1		83.3	-0.3	1.4	29.3	0.0	0.5	
ECGU62	79.0	-0.5		44.3	-1.1	0.9	35.7	-1.1	0.9	81.0	-0.9		29.0	-0.1		
EW63HV	84.5	0.9	0.4	50.4	0.4	0.4	45.4	1.0	0.4	86.4	0.6	0.5	37.9	1.8	0.0	
FW2Z7W	79.0	-0.5		52.0	0.8		42.0	0.3		81.0	-0.9		29.0	-0.1		
HC3JWJ	85.7	1.2	0.6	51.4	0.7	0.7	40.5	0.0	0.4	87.5	0.9	0.5	25.1	-0.9	0.1	
HH9FFJ	84.3	0.9	0.6	50.7	0.5	0.5	43.4	0.6	0.9	87.0	0.8	0.1	30.3	0.2	0.9	
HRZQW7	80.3	-0.2	0.6	46.8	-0.5	0.8	33.0	-1.7	2.1	79.5	-1.3	0.5	29.7	0.1	0.5	
JNUMLV	83.6	0.7	0.0	44.7	-1.0	0.0	43.1	0.5	0.0	88.8	1.3	0.0	37.1	1.6	0.0	
LWLKNN	80.8	-0.1	0.0	48.1	-0.1	1.9	40.1	-0.1	0.9	82.8	-0.4	2.0	32.8	0.7	1.7	
QB7QMK	83.5	0.7	0.6	48.7	0.0	0.3	42.8	0.5	0.2	84.8	0.1	0.3	31.2	0.4	0.5	
QZKP6P	87.0	1.6		71.0	5.7X		41.0	0.1		87.0	0.7		47.0	3.6X		
RLK63R	84.0	0.8		50.7	0.5	0.9	42.0	0.3	1.6	84.0	-0.1		32.0	0.5		
TJ9W6Q	80.7	-0.1	1.1	44.7	-1.0	0.9	39.3	-0.3	0.9	84.7	0.1	1.1	27.3	-0.4	1.0	
TN4NEA	78.8	-0.6	0.0	44.8	-1.0	0.0	36.8	-0.9	0.0	80.8	-1.0	0.0	24.8	-0.9	0.0	
TNLTVM	75.1	-1.6	0.3	40.6	-2.0	0.6	29.5	-2.5	0.6	77.3	-2.0	0.6	25.1	-0.9	0.3	
TZTN7C	83.5	0.7	1.3	50.3	0.4	0.3	40.7	0.0	0.8	85.1	0.2	0.3	31.0	0.3	0.9	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
U3GJ7P	84.8	1.0	0.2	51.2	0.6	0.1	40.7	0.0	0.7	86.7	0.7	0.1	26.1	-0.7	0.4	
URX669	80.2	-0.2	2.4	48.8	0.0	0.8	38.0	-0.6	0.5	82.8	-0.4	1.3	28.1	-0.2	0.5	
UZ94YJ	79.8	-0.3		45.7	-0.7		39.7	-0.2		85.7	0.4		27.7	-0.3		
V24ATH	82.0	0.3		48.7	0.0	0.9	42.0	0.3		82.0	-0.6		34.7	1.1	1.0	
Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	81.0			48.7			40.7			84.3			29.3			
Median Abs Dev	2.3			2.3			2.0			2.2			3.3			
Avg Within Lab SD	1.0			1.2			1.2			1.0			1.2			
Labs Included	30			29			29			30			29			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups															Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
	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		
28NHGG	14.7	1.4	1.1	24.0	1.3		44.7	0.1	0.8	9.6	1.8	0.9	38.0	0.2			
37PMHB	15.3	1.6	1.1	16.7	-1.1	0.6	46.7	0.4	0.4	6.0	0.3	0.7	45.7	1.5	0.8		
3QJ2GA	9.0	-0.7	1.0	19.7	-0.1	0.6	33.7	-1.8	0.4	2.7	-1.0	0.8	25.0	-2.0	0.5		
3VC8R7	9.2	-0.7	1.3	17.1	-0.9	1.3	49.9	0.9	0.0	5.5	0.1	1.4	40.4	0.6	0.4		
4MBD7C	10.0	-0.4		20.0	0.0		44.3	0.0	1.0	4.0	-0.5		37.0	0.0			
67KPKK	9.6	-0.5	1.4	20.4	0.1	1.4	46.7	0.4	0.9	7.9	1.1	1.0	39.6	0.4	0.8		
77XN93	12.1	0.4	1.1	18.4	-0.5	0.8	45.6	0.2	1.0	5.0	0.0	0.3	37.0	0.0	0.2		
7FN7MB	11.3	0.1	0.9	22.9	0.9	1.1	49.3	0.8	0.7	5.0	-0.1	0.5	41.4	0.8	0.4		
7LU37B	13.3	0.9	1.1	20.0	0.0		42.0	-0.4		8.0	1.2	1.4	36.0	-0.2			
9RB939	9.1	-0.7	1.1	17.5	-0.8	1.2	35.5	-1.5	1.4	2.7	-1.0	0.8	30.0	-1.2			
C4VNJ6	12.0	0.4		21.0	0.3	1.0	46.0	0.3		6.7	0.6	1.0	38.0	0.2	0.5		
ECGU62	10.0	-0.4		18.7	-0.4	1.1	41.3	-0.5	0.8	6.3	0.5	1.1	38.7	0.3	0.3		
EW63HV	10.8	-0.1	0.4	20.0	0.0	0.5	39.0	-0.9	0.3	4.0	-0.5	0.4	35.5	-0.3	0.5		
FW2Z7W	13.0	0.7		12.0	-2.5		39.0	-0.9		7.0	0.8		33.0	-0.7			
HH9FFJ	10.6	-0.2	0.5	21.0	0.3	0.4	45.3	0.2	0.7	4.0	-0.5	0.1	42.1	0.9	0.2		
HRZQW7	15.0	1.5	1.0	21.2	0.4	1.0	52.7	1.4	2.6	13.0	3.2X	0.7	46.0	1.5	0.5		
JNUMLV	8.7	-0.8	0.0	21.2	0.4	0.0	36.9	-1.2	0.0	5.2	0.0	0.0	28.9	-1.4	0.0		
LWLKNN	11.9	0.3	1.1	20.5	0.2	1.1	45.2	0.1	0.0	10.5	2.2	3.0	40.5	0.6	3.2		
QB7QMK	9.3	-0.6	0.5	17.3	-0.8	0.3	38.6	-1.0	0.2	4.0	-0.4	0.2	31.6	-0.9	0.4		
QZKP6P	8.0	-1.1		4.0	-5.1X		52.0	1.3		4.0	-0.5		34.0	-0.5			
RLK63R	8.7	-0.9	1.1	18.0	-0.6		38.0	-1.1	1.3	4.0	-0.5		34.0	-0.5			
TJ9W6Q	11.0	0.0		20.3	0.1	1.1	39.7	-0.8	0.8	4.3	-0.3	0.8	33.7	-0.6	0.6		
TN4NEA	8.0	-1.1		16.0	-1.3		38.0	-1.1		2.0	-1.3		30.0	-1.2			
TNLTVM	13.8	1.0	0.8	23.3	1.1	1.5	47.3	0.5	0.5	7.7	1.0	0.1	38.5	0.3	0.5		
TZTN7C	13.3	0.9	0.6	22.1	0.7	1.7	48.5	0.7	1.5	6.8	0.7	0.1	41.2	0.7	1.5		
U3GJ7P	9.7	-0.5	0.3	15.7	-1.4	0.3	45.8	0.3	0.3	4.3	-0.3	0.3	41.5	0.8	1.5		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups															Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
	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		
URX669	11.0	0.0	1.7	16.7	-1.1	1.0	41.4	-0.5	1.7	5.8	0.3	0.9	32.3	-0.8	0.8		
UZ94YJ	12.2	0.4		18.2	-0.6		42.1	-0.4		4.2	-0.4		34.1	-0.5			
V24ATH	14.7	1.4	1.1	23.3	1.1	1.1	44.0	-0.1		8.0	1.2		36.0	-0.2	1.0		
Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups															Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810				
Grand Median	11.0			20.0			44.3			5.14			37.0				
Median Abs Dev	1.8			1.9			3.0			1.15			3.4				
Avg Within Lab SD	1.0			1.0			1.5			1.40			1.9				
Labs Included	29			28			29			28			29				
Labs Reporting	29			29			29			29			29				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
28NHGG	1.7	-1.6	0.0	26.7	-1.4	1.0	12.7	-0.9	1.0	5.1	-1.4	0.0	28.7	-0.7	0.3	
37PMHB	6.7	-0.2	1.1	31.7	-0.3	0.5	27.0	1.4	0.9	9.3	-0.1	0.7	30.7	-0.5	0.6	
3QJ2GA	11.0	1.1	1.0	34.0	0.1	0.8	23.0	0.8	0.9	13.3	1.1	0.7	39.0	0.7	0.5	
3VC8R7	9.8	0.8	0.7	38.9	1.1	0.7	16.5	-0.2	0.1	9.7	0.0	0.8	36.8	0.4	0.4	
4MBD7C	10.0	0.8		33.3	0.0	1.0	18.0	0.0	0.9	13.0	1.0		38.0	0.6		
67KPKK	7.1	0.0	1.4	30.4	-0.6	0.6	12.5	-0.9		8.8	-0.3		30.8	-0.4	0.4	
77XN93	13.1	1.7	2.3	41.1	1.6	2.5	23.8	0.9	0.1	17.8	2.4	0.1	41.1	1.0	0.6	
7FN7MB	2.1	-1.5	0.2	25.2	-1.7	0.3	9.0	-1.4	0.6	7.7	-0.6	0.1	28.5	-0.8	0.5	
7LU37B	7.0	-0.1		36.3	0.6	1.0	19.7	0.3	1.0	9.7	0.0	1.3	38.3	0.6	0.6	
9RB939	5.4	-0.5	1.7	33.9	0.1	1.7	15.2	-0.4	1.2	7.2	-0.7	2.4	39.2	0.7	2.1	
C4VNJ6	7.0	-0.1		31.0	-0.5		13.0	-0.8		10.0	0.1		32.7	-0.2	0.3	
ECGU62	11.0	1.1		37.0	0.8		23.0	0.8		13.3	1.1	1.3	32.7	-0.2	0.6	
EW63HV	4.7	-0.7	0.9	29.6	-0.8	0.0	15.6	-0.4	0.0	9.6	0.0	0.0	26.6	-1.0	0.5	
FW2Z7W	8.0	0.2		36.0	0.5		19.0	0.2		12.0	0.7		38.0	0.6		
HH9FFJ	5.1	-0.6	0.1	28.3	-1.0	0.3	11.3	-1.1	0.1	9.0	-0.2	0.3	27.6	-0.9	0.3	
HRZQW7	4.7	-0.7	1.1	32.0	-0.3		14.3	-0.6	1.4	7.5	-0.7	0.6	24.3	-1.3	0.3	
JNUMLV	7.6	0.1	0.0	34.2	0.2	0.0	20.0	0.3	0.0	5.9	-1.1	0.0	34.0	0.0		
LWLKNN	7.3	0.0	1.1	31.3	-0.4	1.0	14.7	-0.5	1.0	6.7	-0.9	2.7	26.7	-1.0	2.9	
QB7QMK	7.2	0.0	0.1	33.9	0.1	0.5	18.6	0.1	0.4	11.2	0.5	0.1	37.3	0.4	0.1	
QZKP6P	5.0	-0.6		25.0	-1.7		7.0	-1.8		9.0	-0.2		19.0	-2.1		
RLK63R	7.3	0.0	1.1	31.3	-0.4	1.0	20.0	0.3		12.0	0.7		34.0	0.0		
TJ9W6Q	8.3	0.3	1.1	35.0	0.3		21.0	0.5		11.0	0.4		39.0	0.7		
TN4NEA	13.2	1.8	0.0	39.2	1.2	0.0	25.2	1.2	0.0	17.2	2.3	0.0	45.2	1.5	0.0	
TNLTVM	11.1	1.1	0.6	36.1	0.6	0.7	23.2	0.8	0.5	15.1	1.6	0.7	36.3	0.3	0.4	
TZTN7C	3.1	-1.2	0.8	27.6	-1.2	1.8	10.8	-1.2	2.5	8.1	-0.5	0.3	27.8	-0.9	1.8	
U3GJ7P	5.5	-0.5	0.2	33.1	0.0	0.3	13.4	-0.7	0.4	9.0	-0.2	0.3	32.5	-0.2	1.5	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
URX669	8.9	0.5	1.1	34.5	0.2		20.7	0.4	2.0	11.5	0.6		39.6	0.8	0.7	
UZ94YJ	8.1	0.3		36.1	0.6		18.2	0.0		10.1	0.1		38.2	0.6		
V24ATH	3.3	-1.1	1.1	28.0	-1.1		14.0	-0.6		10.0	0.1		29.3	-0.6	0.6	
Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups														Data units: Percent		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	7.20			33.3			18.0			9.67			34.0			
Median Abs Dev	2.09			2.7			4.0			1.83			4.7			
Avg Within Lab SD	1.03			1.2			1.1			0.87			2.0			
Labs Included	29			29			29			29			29			
Labs Reporting	29			29			29			29			29			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups														Data units: %				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
HH9FFJ	10.5		1.0	30.3		1.0	22.2		1.0	9.8		1.0	34.5		1.0			

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups														Data units: %				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	10.5			30.3			22.2			9.80			34.5					
Median Abs Dev																		
Avg Within Lab SD	0.3			0.4			0.3			0.11			0.4					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
HH9FFJ	4.6		1.0	18.6		1.0	8.2		1.0	5.3		1.0	18.7		1.0			

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median	4.64			18.6			8.18			5.26			18.7					
Median Abs Dev	0.15			0.3			0.06			0.12			0.3					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
GR4XGM	3.24		0.00	1.22		0.00	1.79		0.00	0.60		0.00	4.37		0.00	
HH9FFJ	5.83		1.41	11.72		1.41	14.04		1.41	4.53		1.41	15.75		1.41	
Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	4.53			6.47			7.92			2.57			10.1			
Median Abs Dev																
Avg Within Lab SD	0.10			0.08			0.19			0.01			0.1			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups														Data units: mg/kg				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
KYUD3W	30.3		1.0	90.3		1.0	91.7		1.0	30.0		1.0	159.3		1.0			

Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups														Data units: mg/kg				
SRS1806				SRS1807				SRS1808				SRS1809				SRS1810		
Grand Median				30.3			90.3			91.7			30.0			159.3		
Median Abs Dev																		
Avg Within Lab SD	0.6			0.6			0.6			1.0			1.2					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
G7H4TL	4.5		0.5	51.3		1.5	9.8		1.0	19.7		0.5	13.7		0.5	
HRZQW7	4.7		1.4	45.0			8.7		1.6	20.0			4.7		1.7	
JHRBPY	3.0		0.3	35.6		0.7	6.3		0.5	13.4		0.1	3.8		0.1	
RFCRDF	5.5		1.2	61.5		0.4	8.3		0.5	23.7		1.7	3.5		0.9	
DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	4.60			48.2			8.48			19.9			4.25			
Median Abs Dev																
Avg Within Lab SD	0.40			2.1			0.36			1.6			0.34			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg		
WebCode	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
	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	
G7H4TL	58.2		0.4	33.1		1.4	7.5		1.0	0.9		1.0	0.8		1.0	
HRZQW7	58.3		1.4	16.7		0.1	4.0			1.0			1.0			
DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg		
	SRS1806			SRS1807			SRS1808			SRS1809			SRS1810			
Grand Median	58.3			24.9			5.73			0.95			0.91			
Median Abs Dev																
Avg Within Lab SD	2.3			8.0			0.66			0.30			0.20			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			





ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Dry Matter (%) (SubTestCode 201)													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2RTVDA	93.5	0.1	0.4	92.4	0.4	0.9	93.2	0.0	0.5	93.8	0.0	1.0		
3H6L47	93.6	0.3	0.3	91.8	-0.4	0.8	92.7	-0.6	0.0	93.4	-0.3	0.2		
3QJ2GA	93.2	-0.3	0.9	91.7	-0.5	1.5	92.9	-0.4	0.7	93.7	-0.1	1.4		
3VC8R7	93.3	-0.2	0.4	92.1	0.0	1.1	93.2	0.0	0.9	93.7	-0.1	0.7		
67KPKK	93.7	0.4	0.1	92.1	0.0	0.2	93.0	-0.3	0.1	94.5	0.6	0.3		
7X9XNV	95.1	2.2	0.4	93.9	2.3	0.8	94.8	2.1	0.2	95.6	1.4	1.0		
DH64VY	95.5	2.7	1.1	94.0	2.5	1.2	94.7	1.9	3.0	96.2	1.9	1.2		
EW63HV	93.3	-0.1	1.5	92.4	0.4	0.8	92.9	-0.4	0.5	94.5	0.5	0.5		
GR4XGM	97.4	5.2X	1.4	96.4	5.6X	0.5	96.4	4.1X	0.6	96.9	2.5	0.7		
HRZQW7	93.2	-0.3	0.0	92.0	-0.1	0.0	93.7	0.7	0.0	94.0	0.1	0.0		
RLK63R	93.5	0.1	3.0	92.5	0.5	2.4	93.6	0.6	1.7	94.4	0.5	2.6		
UADE4N	92.6	-1.0	0.3	91.8	-0.4	0.5	92.5	-0.8	0.3	92.8	-0.7	1.0		
UNJ8Y7	93.9	0.6	0.0	93.1	1.3	0.0	94.4	1.6	0.0	93.7	-0.1	0.0		
UZ94YJ	93.0	-0.5	0.3	92.0	-0.2	0.4	93.1	-0.1	0.1	92.2	-1.2	0.5		
XE6F7E	92.9	-0.7	0.0	91.7	-0.5	0.0	93.2	0.1	0.0	93.8	0.0	0.0		

Dry Matter (%) (SubTestCode 201)					Data units: Percent	
	SRB1805		SRB1806		SRB1808	
Grand Median	93.4		92.1		93.8	
Median Abs Dev	0.3		0.3		0.7	
Avg Within Lab SD	0.1		0.1		0.1	
Labs Included	14		14		15	
Labs Reporting	15		15		15	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3 - N Cd Rd. (SubTestCode 202)												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
28NHGG	125.7	0.2	0.1	32.3	0.1	0.1	12,233.3	-4.4X	1.0	380.7	0.0	0.5	
2GC949	153.3	1.8	2.3				21,566.7	0.6	1.0	444.0	1.0	1.3	
2RTVDA	274.9	8.7X	9.1	234.5	7.8X	22.8	19,105.3	-0.7	1.5	504.1	2.0	2.2	
3QJ2GA	119.9	-0.1	0.7	3.3	-1.0	0.3	22,476.1	1.1	1.2	475.9	1.5	1.0	
67KPKK	137.4	0.9	0.1	44.1	0.6	0.4	21,963.3	0.8	0.1	440.3	1.0	0.2	
D9FD98	115.3	-0.4	0.2	10.0	-0.7		20,213.0	-0.1	0.2	339.0	-0.6	0.3	
DH64VY	116.2	-0.3	0.6	13.2	-0.6	0.1	20,969.4	0.3	0.7	378.4	0.0	0.3	
JBUL9U	130.3	0.5	0.9	69.3	1.5	0.2	19,256.3	-0.6	0.3	369.1	-0.1	1.5	
JHRBPY	136.0	0.8	0.2	61.7	1.2	0.1	17,468.3	-1.6	0.2	362.3	-0.3	0.2	
LWLKNN	112.6	-0.5	0.3	30.8	0.1	1.5	19,080.0	-0.7	1.4	368.1	-0.2	1.1	
NMNUTR	114.1	-0.5	0.8	6.0	-0.9	0.5	18,886.7	-0.8	0.2	302.7	-1.2	1.2	
NPET8P	127.7	0.3	2.5	41.0	0.5	3.0	20,509.7	0.0	0.9	432.7	0.9	0.3	
RLK63R	166.7	2.5	0.8	59.7	1.2	1.0	21,031.7	0.3	2.3	457.3	1.2	1.8	
UADE4N	122.2	0.0	0.1	12.3	-0.6	0.1	20,454.3	0.0	0.4	378.7	0.0	0.1	
V24ATH	101.2	-1.2	0.6	19.3	-0.4	0.5	17,901.1	-1.4	0.1	332.8	-0.7	0.0	
YQBX8F	119.7	-0.1	0.3	27.3	-0.1	0.2	22,116.7	0.9	1.0	377.3	0.0	0.2	

NO3 - N Cd Rd. (SubTestCode 202)												Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	122.2			29.1			20,454.3			378.6			
Median Abs Dev	8.1			16.3			1,349.0			42.7			
Avg Within Lab SD	11.1			6.2			715.0			32.4			
Labs Included	15			14			15			16			
Labs Reporting	16			15			15			16			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3 - N ISE (SubTestCode 203)													Data units: mg/kg
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6P2U7C	329.0	0.6	1.5	176.0	0.0	0.9	20,989.0	0.2	0.2	675.3	0.0	1.6	
HRZQW7	237.9	-0.9	0.6	172.1	0.0	1.3	21,020.1	0.3	0.3	546.4	-1.0	0.3	
RR4HXK	191.0	-1.6	1.0	106.0	-0.7	0.5	19,666.7	-0.9	2.1	531.7	-1.1	1.4	
TNLTVM	316.7	0.4	1.1	135.0	-0.4	0.9	20,700.0	0.0	0.1	706.7	0.2	0.5	
XE6F7E	293.1	0.0	0.1	377.2	2.2	1.2	18,342.4	-2.0	0.5	798.3	1.0	0.3	

NO3 - N ISE (SubTestCode 203)													Data units: mg/kg
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	293.1			172.1			20,700.0			675.3			
Median Abs Dev	35.9			37.1			320.1			123.0			
Avg Within Lab SD	22.3			9.7			718.1			21.0			
Labs Included	5			5			5			5			
Labs Reporting	5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3 - N Oth. (SubTestCode 204)										Data units: mg/kg
WebCode	SRB1805			SRB1806			SRB1807			SRB1808
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3VC8R7	1,480.0		0.0	1,106.7		0.0	20,691.7		0.3	5,075.0 1.4
6P2U7C	10,006.8		2.0	4,444.2		1.0	18,457.5		0.9	4,250.0 0.9
EDTFU3	3,356.7		0.1	4,592.7		1.5	20,112.6		0.4	2,219.2 1.0
QA8T4C	103.1		0.0	238.4		0.9	21,980.1		1.7	287.6 0.5
NO3 - N Oth. (SubTestCode 204)										Data units: mg/kg
	SRB1805			SRB1806			SRB1807			SRB1808
Grand Median	2,418.4			2,775.4			20,402.1			3,234.6
Median Abs Dev										
Avg Within Lab SD	3,439.7			267.4			1,659.2			221.6
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NH4-N (SubTestCode 205)										Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
QA8T4C	100.8		1.4	307.9		1.4	428.6		1.4	704.8	1.4
UADE4N	1.0		0.0	137.0		0.0	220.8		0.0	186.3	0.0
NH4-N (SubTestCode 205)										Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808	
Grand Median	50.9			222.5			324.7			445.6	
Median Abs Dev											
Avg Within Lab SD	37.9			146.6			165.4			345.9	
Labs Included	2			2			2			2	
Labs Reporting	2			2			2			2	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4 - P (SubTestCode 206)													Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2GC949	153.3	-0.7	0.2	503.3	0.5	1.0	2,373.3	0.3	0.3	1,610.0	0.9	0.4		
2RTVDA	394.9	1.6	0.4	613.3	1.6	0.8	2,222.9	-0.3	2.6	1,646.7	1.2	3.0		
6P2U7C	186.3	-0.4	3.2	1,021.0	5.8X	9.2	2,643.3	1.4	1.9	1,946.7	3.6X	3.7		
EDTFU3	186.6	-0.4	1.0	438.4	-0.1	2.0	1,244.2	-4.3X	3.7	1,491.9	-0.1	1.1		
HRZQW7	282.6	0.5	0.5	547.0	1.0	0.3	2,468.3	0.7	0.4	1,646.3	1.2	0.4		
JBUL9U	436.2	2.0	0.1	624.0	1.8	1.8	1,886.7	-1.7	0.7	1,358.9	-1.2	0.2		
JHRBPY	20.0	-2.0X	0.0	436.0	-0.1	0.1	2,053.3	-1.0	0.3	1,316.9	-1.5	0.1		
LWLKNN	211.4	-0.2	0.2	445.2	0.0	0.2	2,273.3	-0.1	0.3	1,516.7	0.1	0.1		
NMNUTR	249.0	0.2	0.1	452.7	0.0	0.6	2,107.3	-0.8	0.5	1,459.7	-0.4	0.6		
NPET8P	188.7	-0.4	0.3	446.3	0.0	0.8	2,308.3	0.1	0.4	1,486.3	-0.1	0.4		
RLK63R	272.7	0.4	0.2	567.3	1.2	0.8	2,514.7	0.9	0.1	1,594.7	0.7	0.4		
TNLTVM	260.0	0.3	0.5	410.0	-0.4	0.9	2,336.7	0.2	0.5	1,483.3	-0.2	0.2		
V24ATH	131.0	-1.0	0.1	327.4	-1.2	0.6	2,128.4	-0.7	0.1	1,581.8	0.6	0.7		

PO4 - P (SubTestCode 206)					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	230.2	449.5	2,290.8	1,504.3		
Median Abs Dev	43.7	46.7	170.0	84.0		
Avg Within Lab SD	36.4	21.6	113.8	84.5		
Labs Included	12	12	12	12		
Labs Reporting	13	13	13	13		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SO4 - S (SubTestCode 207)												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
EDTFU3	2,672.4	2.2	1.1	4,794.6	2.2	2.0	7,718.0	2.9	2.1	4,291.3	1.9	1.9	
HRZQW7	250.4	-0.3	1.5	253.6	-0.3	0.9	1,138.1	-0.1	0.5	1,206.3	-0.2	0.9	
RLK63R	437.3	-0.1	0.1	519.0	-0.2	0.2	1,179.0	-0.1	0.2	1,270.3	-0.2	0.4	
TBGGH9	1,375.3	0.9	1.2	2,006.7	0.6	0.4	2,116.3	0.4	0.2	3,140.7	1.1	0.3	
XE6F7E	520.5	0.0	0.3	847.5	0.0	0.1	1,299.3	0.0	0.3	1,548.3	0.0	0.5	

SO4 - S (SubTestCode 207)												Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	520.5			847.5			1,299.3			1,548.3			
Median Abs Dev	270.2			593.9			161.1			342.0			
Avg Within Lab SD	41.1			71.4			118.1			69.3			
Labs Included	5			5			5			5			
Labs Reporting	5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CI (SubTestCode 208)												Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2GC949	0.374	-0.065	0.144	0.027	-0.276	0.063	2.473	-0.082	0.582	0.743	-0.168	0.126	
37PMHB	0.443	0.185	0.092	0.077	0.083	0.366	2.543	0.091	0.049	0.797	0.196	0.126	
3QJ2GA	0.398	0.022	0.078	0.066	0.009	0.069	2.498	-0.021	0.057	0.768	0.000	0.027	
3VC8R7	0.387	-0.018	0.092	0.020	-0.326	0.000	2.467	-0.099	0.261	0.783	0.105	0.251	
6P2U7C	0.308	-0.299	2.003	0.325	1.875	4.192	2.599	0.229	0.427	0.799	0.214	1.896	
DH64VY	1.055	2.378	2.161	0.457	2.831	0.548	3.065	1.379	0.663	1.130	2.469	0.618	
EDTFU3	0.414	0.079	0.194	0.037	-0.203	0.036	2.466	-0.101	0.965	0.745	-0.154	0.199	
GR4XGM	1.010	2.216	1.044	0.273	1.503	0.269	3.837	3.286	2.606	0.967	1.354	0.906	
HDYRBV	0.364	-0.100	0.130	0.037	-0.204	0.158	2.303	-0.502	0.385	0.699	-0.470	0.468	
HRZQW7	0.461	0.250	0.000	0.065	0.000	0.000	2.828	0.793	0.158	1.001	1.584	0.232	
JBUL9U	1.150	2.718	2.757	0.633	4.102X	3.661	3.167	1.631	1.075	1.050	1.921	2.176	
LWLKNN	0.807	1.487	0.905	0.383	2.297	0.732	2.423	-0.206	0.247	0.897	0.877	0.665	
NMNUTR	0.363	-0.102	0.092	0.203	0.997	0.366	0.107	-5.928X	0.049	0.690	-0.531	2.845	
NPET8P	0.390	-0.006	0.318	0.043	-0.158	0.102	2.463	-0.107	0.275	0.717	-0.349	0.332	
QA8T4C	0.124	-0.959	1.136	0.077	0.083	0.340	0.674	-4.527X	4.510	0.217	-3.755X	1.638	
RLK63R	0.293	-0.352	0.243	0.053	-0.086	0.102	1.447	-2.618	0.131	0.507	-1.780	0.251	
TBGGH9	0.377	-0.053	0.198	0.063	-0.013	0.137	2.743	0.585	2.541	0.729	-0.265	0.483	
TNLTVM	0.393	0.006	0.331	0.057	-0.062	0.203	2.367	-0.346	0.131	0.753	-0.099	0.332	
UADE4N	0.373	-0.069	0.038	0.027	-0.273	0.008	2.515	0.021	0.045	0.742	-0.175	0.061	
YQBX8F	0.985	2.125	0.312	0.278	1.539	0.132	2.526	0.047	1.133	0.783	0.105	0.076	

CI (SubTestCode 208)					Data units: Percent	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	0.39	0.065	2.51	0.77		
Median Abs Dev	0.04	0.028	0.09	0.04		
Avg Within Lab SD	0.06	0.057	0.12	0.05		
Labs Included	20	19	18	19		
Labs Reporting	20	20	20	20		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

TKN (SubTestCode 209)												Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
28NHGG	1.23	-0.48	0.72	2.40	-0.28	0.20	2.35	-0.87	0.41	3.23	-0.67	0.45	
2RTVDA	0.97	-2.24	0.68	2.07	-1.88	2.21	2.64	-0.20	1.54	2.77	-2.16	1.14	
3H6L47	1.36	0.39	0.34	2.63	0.86	0.23	2.83	0.23	0.63	3.49	0.18	0.26	
D9FD98	1.26	-0.30	1.56	2.40	-0.26	0.11	2.94	0.49	0.31	3.38	-0.18	0.96	
EW63HV	1.49	1.21	1.23	2.57	0.57	1.89	2.62	-0.24	1.84	3.56	0.38	1.31	
FJQPFL	1.28	-0.19	0.04	2.46	0.04	0.07	2.24	-1.13	0.10	3.25	-0.59	0.29	
GR4XGM	1.14	-1.11	1.39	2.19	-1.30	0.79	3.45	1.65	2.03	2.97	-1.49	0.96	
HRZQW7	1.40	0.63	1.31	2.65	0.95	0.34	2.89	0.36	0.39	3.54	0.32	0.61	
LWLKNN	1.35	0.28	1.48	2.55	0.45	1.17	2.77	0.11	1.06	3.57	0.43	1.90	
NMNUTR	1.33	0.19	1.03	2.45	-0.04	1.09	3.82	2.52	0.16	3.51	0.23	1.34	
UADE4N	1.40	0.67	0.05	2.73	1.32	0.39	2.68	-0.11	0.18	3.63	0.61	0.02	
UZ94YJ	1.24	-0.41	0.24	2.43	-0.15	0.10	2.65	-0.19	0.34	3.17	-0.85	1.01	

TKN (SubTestCode 209)					Data units: Percent	
	SRB1805		SRB1806		SRB1807	SRB1808
Grand Median	1.31		2.46		2.73	3.44
Median Abs Dev	0.07		0.10		0.13	0.16
Avg Within Lab SD	0.04		0.10		0.10	0.10
Labs Included	12		12		12	12
Labs Reporting	12		12		12	12



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

N- Dry Comb. (SubTestCode 210)													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2GC949	1.33	-0.04	0.43	2.51	-0.24	0.96	3.86	-0.23	0.76	3.37	-0.39	0.22		
37PMHB	1.42	1.06	1.14	2.67	1.42	0.56	4.06	1.18	0.81	3.66	1.88	0.37		
3QJ2GA	1.28	-0.69	0.13	2.48	-0.52	0.20	3.84	-0.36	0.23	3.39	-0.21	0.15		
3VC8R7	1.34	0.08	0.82	2.59	0.59	0.56	3.96	0.46	0.42	3.51	0.68	0.12		
67KPKK	1.41	0.84	0.15	2.74	2.17	0.05	4.16	1.85	0.15	3.62	1.60	0.43		
6P2U7C	1.38	0.54	0.31	2.58	0.47	0.59	3.92	0.22	0.39	3.48	0.49	0.56		
7FN7MB	1.27	-0.85	0.59	2.43	-1.08	0.85	3.80	-0.65	0.47	3.40	-0.16	0.86		
7X9XNV	1.34	0.04	0.00	2.58	0.49	0.56	3.94	0.35	0.35	3.49	0.57	0.25		
8P9ZCC	1.32	-0.17	0.17	2.51	-0.19	0.53	3.86	-0.22	0.44	3.39	-0.27	0.35		
9RU2U6	1.32	-0.24	0.33	2.53	0.00	1.30	3.87	-0.14	0.20	3.42	0.00	0.22		
DH64VY	1.29	-0.62	0.15	2.49	-0.48	0.10	3.84	-0.36	0.21	3.40	-0.17	0.16		
GR4XGM	1.14	-2.40	1.77	2.19	-3.57X	2.55	3.45	-3.08X	3.96	2.97	-3.50X	2.00		
HDYRBV	0.12	-14.89X	0.35	0.01	-26.29X	0.01	1.95	-13.48X	3.26	0.05	-26.42X	0.06		
HRZQW7	1.42	0.99	0.09	2.76	2.37	0.33	4.16	1.88	0.60	3.65	1.79	0.18		
JBUL9U	1.34	0.08	0.59	2.52	-0.17	0.67	3.84	-0.32	0.91	3.40	-0.16	0.57		
NEGRVL	1.33	-0.12	0.40	2.50	-0.32	0.06	3.85	-0.26	0.06	3.39	-0.27	0.19		
NPET8P	1.40	0.74	0.68	2.58	0.53	0.72	3.87	-0.12	0.65	3.43	0.08	0.37		
QA8T4C	1.36	0.24	3.59	2.45	-0.84	1.37	3.61	-1.95	3.15	3.28	-1.09	4.49		
QEKBLT	1.34	0.04	0.98	2.53	-0.03	0.32	3.84	-0.32	0.12	3.43	0.10	0.45		
RLHK8C	1.34	0.08	0.16	2.55	0.17	0.32	3.89	0.00	0.20	3.43	0.10	0.25		
RLK63R	1.33	-0.12	0.43	2.50	-0.35	0.85	3.92	0.23	1.17	3.41	-0.05	0.87		
RR4HXK	1.31	-0.33	0.49	2.53	0.00	4.08	3.90	0.07	1.62	3.36	-0.47	1.76		
TBGGH9	1.30	-0.51	0.18	2.49	-0.43	0.19	3.83	-0.44	0.29	3.41	-0.09	0.22		
TCB6YH	1.67	4.07X		3.03	5.17X		4.52	4.38X		4.03	4.78X			
TNLTVM	1.11	-2.77	0.49	2.44	-0.97	0.32	4.00	0.74	0.42	3.35	-0.55	0.22		
UADE4N	1.42	1.02	0.02	2.69	1.65	0.18	4.24	2.41	1.20	3.68	2.03	0.36		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

N- Dry Comb. (SubTestCode 210)													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
UPDVFG	1.58	2.97	0.03	2.61	0.83	0.36	3.97	0.57	0.26	3.64	1.71	0.72		
UZ94YJ	1.37	0.46	0.18	2.65	1.26	0.12	4.13	1.68	0.81	3.57	1.17	0.76		
V24ATH	1.26	-0.89	0.14	2.51	-0.27	0.31	3.85	-0.26	0.19	3.34	-0.61	0.11		
XAANXG	1.33	-0.04	2.72	2.55	0.17	0.64	4.03	1.00	2.84	3.59	1.33	0.57		
XE6F7E	1.40	0.79	0.66	2.65	1.23	1.42	4.05	1.10	0.39	3.58	1.27	0.58		
YQBX8F	1.30	-0.49	0.82	2.50	-0.31	0.81	3.86	-0.19	0.71	3.39	-0.26	0.66		
N- Dry Comb. (SubTestCode 210)													Data units: Percent	
	SRB1805			SRB1806			SRB1807			SRB1808				
Grand Median	1.34			2.53			3.89			3.42				
Median Abs Dev	0.04			0.05			0.05			0.06				
Avg Within Lab SD	0.04			0.03			0.05			0.05				
Labs Included	30			29			29			29				
Labs Reporting	32			32			32			32				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

S- Dry Comb. (SubTestCode 211)										Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2GC949	0.14		0.83	0.20		1.03	0.22		0.00	0.31	0.73
7X9XNV	0.14		0.24	0.21		0.11	0.22		0.09	0.32	0.03
DH64VY	0.15		1.50	0.20		1.39	0.19		1.73	0.31	1.57
S- Dry Comb. (SubTestCode 211)										Data units: Percent	
	SRB1805			SRB1806			SRB1807			SRB1808	
Grand Median	0.14			0.20			0.22			0.31	
Median Abs Dev											
Avg Within Lab SD	0.01			0.01			0.02			0.01	
Labs Included	3			3			3			3	
Labs Reporting	3			3			3			3	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

P (SubTestCode 212) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	0.07	-0.49	0.45	0.14	-0.30	1.04	0.32	-0.44	0.00	0.24	-0.58	1.31
2RTVDA	0.08	0.88	0.21	0.15	1.21	0.48	0.38	1.46	0.59	0.29	1.46	0.42
37PMHB	0.06	-0.98	2.27	0.14	-0.30	1.04	0.32	-0.44	0.68	0.24	-0.31	0.49
3H6L47	0.06	-0.78	0.49	0.13	-0.68	0.27	0.33	-0.22	1.03	0.21	-1.67	0.00
3MG8CD	0.07	-0.36	0.84	0.14	0.00	0.31	0.34	0.32	0.65	0.24	-0.39	0.95
3QJ2GA	0.07	-0.30	0.84	0.13	-0.84	0.45	0.30	-0.93	0.46	0.23	-0.86	0.24
3VC8R7	0.07	0.00	0.00	0.14	0.00	0.00	0.33	-0.11	0.00	0.25	0.10	0.49
67KPKK	0.08	1.39	0.29	0.16	1.65	0.39	0.37	1.33	1.03	0.29	1.40	0.26
6P2U7C	0.07	-0.12	0.55	0.14	-0.41	0.45	0.33	-0.08	0.41	0.26	0.18	0.35
6U9LRV	0.08	0.99	0.42	0.14	0.06	0.89	0.37	1.02	1.48	0.26	0.46	0.99
7FN7MB	0.07	-0.29	0.20	0.14	-0.39	1.36	0.33	0.01	0.54	0.26	0.46	0.97
7X9XNV	0.08	1.72	0.11	0.16	1.79	0.01	0.41	2.45	0.06	0.32	2.70	0.00
8LTFD4	0.06	-1.47	0.00	0.14	-0.30	1.04	0.30	-1.19	1.03	0.25	-0.17	0.49
8P9ZCC	0.07	-0.08	0.43	0.13	-1.11	1.24	0.30	-1.00	0.60	0.23	-0.71	0.54
8YWTN9	0.07	-0.53	0.31	0.14	-0.24	0.63	0.34	0.09	0.27	0.24	-0.46	0.22
9RU2U6	0.07	-0.34	0.30	0.14	-0.44	0.00	0.33	-0.18	0.12	0.25	-0.09	0.10
D9FD98	0.07	0.00	0.00	0.14	0.00	0.00	0.32	-0.54	0.39	0.25	-0.17	0.49
DH64VY	0.08	1.06	0.21	0.14	0.34	0.23	0.33	0.01	0.03	0.26	0.30	0.24
E43VQP	0.08	1.69	0.05	0.15	0.92	0.27	0.40	2.01	0.52	0.30	2.01	0.39
EW63HV	0.08	1.47	5.19	0.13	-1.19	3.74	0.33	-0.01	2.37	0.23	-0.85	0.86
GR4XGM	0.08	1.96	1.13	0.17	2.96	2.08	0.42	2.68	2.73	0.30	2.01	0.86
HDYRBV	0.07	0.49	0.26	0.15	0.50	1.46	0.31	-0.69	0.18	0.25	0.09	0.57
HRZQW7	0.07	0.23	0.12	0.15	0.60	0.39	0.34	0.11	0.15	0.26	0.45	0.47
JBUL9U	0.09	3.48	0.63	0.17	2.46	1.28	0.30	-0.93	2.67	0.22	-1.25	4.49
JHRBPY	0.06	-1.06	0.03	0.12	-1.77	0.19	0.29	-1.40	0.07	0.22	-1.27	0.12
LWLKNN	0.07	0.34	0.23	0.14	-0.33	0.81	0.31	-0.68	1.52	0.24	-0.27	1.56



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

P (SubTestCode 212) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NEGRVL	0.07	0.22	0.15	0.14	-0.33	0.26	0.32	-0.37	0.39	0.25	0.00	0.28	
NMNUTR	0.07	-0.20	0.49	0.14	-0.44	0.36	0.33	-0.13	0.08	0.25	-0.21	0.35	
NPET8P	0.07	0.10	0.79	0.14	0.21	1.16	0.34	0.25	1.00	0.24	-0.58	0.13	
QA8T4C	0.07	0.59	1.04	0.14	0.03	2.05	0.33	-0.19	1.62	0.26	0.24	1.59	
QEKBLT	0.07	0.00	0.00	0.14	0.00	0.00	0.34	0.10	0.78	0.25	-0.04		
RFCRDF	0.02	-7.35X	0.00	0.05	-8.00X	1.80	0.12	-6.89X	0.68	0.09	-6.58X	0.00	
RLHK8C	0.07	0.00		0.14	0.00		0.32	-0.44		0.24	-0.44		
RLK63R	0.07	0.00	0.00	0.15	1.19	1.04	0.34	0.10	0.39	0.27	0.78	0.86	
RR4HXK	0.07	-0.22	0.39	0.14	0.19	0.46	0.33	0.03	1.57	0.26	0.42	0.93	
TBGGH9	0.07	0.70	0.75	0.14	0.16	0.83	0.34	0.18	0.48	0.27	0.76	0.59	
TCB6YH	0.07	0.00	0.00	0.13	-0.89	0.00	0.32	-0.44	0.00	0.26	0.17	0.61	
UADE4N	0.08	1.16	0.02	0.16	1.53	0.11	0.38	1.41	0.21	0.27	0.76	1.25	
UNJ8Y7	0.07	0.37	0.17	0.14	0.24	0.21	0.36	0.91	0.35	0.22	-1.40	0.96	
UPDVFG	0.70	93.14X	3.00	0.14	0.03	0.27	0.21	-4.07X	0.17	0.25	-0.23	0.22	
UZ94YJ	0.07	0.29	0.20	0.14	-0.09	0.31	0.35	0.39	0.10	0.25	0.07	0.47	
V24ATH	0.06	-1.49	0.26	0.12	-2.02	0.23	0.28	-1.69	1.02	0.21	-1.50	0.36	
XAANXG	0.07	0.00	0.00	0.13	-0.59	1.04	0.36	0.86	1.35	0.27	0.65	1.31	
YQBX8F	0.07	0.49	1.13	0.14	0.30	1.04	0.35	0.53	0.00	0.25	0.10	0.49	

P (SubTestCode 212) in the Wet Digestion Property Groups					Data units: Percent			
	SRB1805		SRB1806		SRB1807		SRB1808	
Grand Median	0.070		0.14		0.33		0.25	
Median Abs Dev	0.003		0.00		0.01		0.01	
Avg Within Lab SD	0.005		0.01		0.01		0.01	
Labs Included	42		43		42		43	
Labs Reporting	44		44		44		44	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	0.95	0.48	1.39	0.96	0.57	1.04	9.07	-0.76	0.10	2.27	0.05	0.61
2RTVDA	0.94	0.33	1.10	0.92	0.00	1.03	9.30	-0.53	4.24	2.54	1.50	0.03
37PMHB	0.91	-0.03	0.42	0.92	0.00	0.56	6.15	-3.62X	0.09	2.20	-0.29	0.64
3H6L47	0.93	0.23	1.37	0.95	0.44	0.37	9.92	0.08	0.18	2.17	-0.45	0.22
3MG8CD	0.88	-0.43	0.95	0.91	-0.11	0.23	10.20	0.35	0.18	2.25	-0.06	0.27
3QJ2GA	0.88	-0.45	0.35	0.86	-0.74	0.47	9.44	-0.39	0.38	2.15	-0.57	0.55
3VC8R7	0.96	0.61	0.58	0.97	0.66	0.56	9.81	-0.03	0.23	2.38	0.68	0.34
67KPKK	0.92	0.09	0.34	0.94	0.25	1.04	11.34	1.47	1.21	2.45	1.03	0.32
6P2U7C	0.85	-0.81	1.36	0.86	-0.78	0.31	9.38	-0.45	0.71	2.16	-0.53	0.46
6U9LRV	0.97	0.73	0.37	0.92	-0.03	0.48	10.67	0.81	0.99	23.73	115.71X	8.54
7FN7MB	0.87	-0.52	0.51	0.88	-0.47	1.59	10.41	0.56	1.05	2.44	1.00	1.24
7X9XNV	0.85	-0.89	0.01	0.85	-0.95	0.00	9.73	-0.11	0.01	2.21	-0.25	0.00
8LTFD4	0.66	-3.29X	0.32	0.80	-1.54	0.50	7.72	-2.08	0.16	2.08	-0.96	1.23
8P9ZCC	0.84	-0.90	0.75	0.80	-1.60	1.65	10.00	0.16	0.65	2.08	-0.93	0.68
8YWTN9	0.86	-0.69	0.75	0.87	-0.71	0.58	9.90	0.06	0.32	2.16	-0.51	0.43
9RU2U6	0.88	-0.45	1.00	0.92	0.00	0.32	10.64	0.79	0.07	2.38	0.66	0.11
D9FD98	0.93	0.23	1.60	0.93	0.17	1.87	10.03	0.19	0.10	2.47	1.13	0.61
DH64VY	1.03	1.46	0.35	1.00	0.99	0.11	10.83	0.97	0.05	2.45	1.02	0.64
E43VQP	1.03	1.42	0.16	0.94	0.30	0.30	11.43	1.56	0.21	2.63	2.02	0.59
EW63HV	0.81	-1.30	1.53	0.85	-0.97	1.95	9.20	-0.63	2.00	2.09	-0.90	1.23
GR4XGM	0.98	0.78	1.25	1.04	1.62	2.64	11.28	1.41	2.01	2.57	1.66	0.81
HDYRBV	0.91	-0.09	0.37	0.92	0.00	1.78	10.36	0.51	0.49	2.15	-0.59	0.61
HRZQW7	1.01	1.27	0.10	1.03	1.41	0.06	10.18	0.33	0.02	2.49	1.24	0.17
JBUL9U	1.09	2.20	2.40	1.02	1.32	1.18	9.08	-0.74	1.91	2.20	-0.29	4.91
JHRBPY	0.81	-1.31	0.37	0.81	-1.51	0.08	9.34	-0.49	0.00	2.14	-0.65	0.18
LWLKNN	0.87	-0.62	0.70	0.82	-1.36	0.75	9.57	-0.27	1.12	2.11	-0.80	0.37



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K (SubTestCode 213) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NEGRVL	0.96	0.62	0.41	0.95	0.38	0.18	7.06	-2.72	0.27	2.24	-0.07	0.59	
NMNUTR	0.88	-0.40	1.53	0.86	-0.79	1.37	9.50	-0.33	0.39	2.28	0.10	0.61	
NPET8P	0.92	0.09	0.54	0.94	0.23	0.75	9.92	0.08	0.70	2.24	-0.12	0.41	
QA8T4C	0.88	-0.50	0.69	0.86	-0.75	0.88	10.32	0.47	1.53	2.25	-0.06	0.91	
QEKBLT	0.86	-0.66	0.32	0.89	-0.44	0.37	9.23	-0.60	0.34	2.26	0.01	0.38	
RFCRDF	0.80	-1.43	0.16	0.92	0.00	0.65	9.10	-0.73	0.16	2.35	0.50	0.59	
RLHK8C	0.84	-0.96		0.85	-0.92		9.53	-0.30		2.19	-0.36		
RLK63R	0.93	0.23	0.58	0.98	0.83	0.99	7.88	-1.92	0.17	2.44	0.98	0.21	
RR4HXK	0.89	-0.36	1.30	0.95	0.46	0.87	8.28	-1.53	0.79	2.26	0.00	0.93	
TBGGH9	1.01	1.22	1.04	0.95	0.38	0.25	9.84	0.00	0.33	2.46	1.07	0.09	
TCB6YH	0.90	-0.19	0.39	0.89	-0.46	0.23	9.61	-0.23	0.77	2.22	-0.20	0.30	
UADE4N	0.98	0.76	0.23	1.00	1.03	0.13	11.08	1.21	0.06	2.38	0.67	1.51	
UNJ8Y7	0.90	-0.14	0.36	0.90	-0.31	0.52	10.60	0.74	0.18	1.89	-1.96	0.86	
UPDVFQ	0.99	0.95	0.28	1.03	1.45	0.06	9.18	-0.65	0.00	2.38	0.64	0.04	
UZ94YJ	0.93	0.14	0.08	0.94	0.21	0.34	10.40	0.55	0.19	2.42	0.88	0.48	
V24ATH	0.92	0.00	0.81	0.98	0.80	0.52	9.50	-0.33	0.43	2.15	-0.56	0.76	
XAANXG	0.96	0.57	0.73	0.91	-0.13	0.86	10.19	0.34	1.01	2.34	0.44	1.11	
YQBX8F	1.03	1.46	3.12	1.04	1.62	2.43	10.40	0.55	0.28	2.37	0.61	0.59	

K (SubTestCode 213) in the Wet Digestion Property Groups												Data units: Percent	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	0.92			0.92			9.84			2.26			
Median Abs Dev	0.05			0.05			0.54			0.11			
Avg Within Lab SD	0.04			0.03			0.56			0.09			
Labs Included	43			44			43			43			
Labs Reporting	44			44			44			44			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca (SubTestCode 214) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	1.57	-0.28	1.26	3.10	-0.56	0.00	1.57	-0.83	0.58	1.53	-0.38	0.82
2RTVDA	1.67	0.40	0.83	3.38	0.33	0.42	1.78	0.37	0.50	1.67	0.45	0.54
37PMHB	1.55	-0.37	0.70	3.22	-0.18	0.82	1.61	-0.58	0.52	1.54	-0.31	0.50
3H6L47	1.72	0.71	1.64	3.84	1.84	1.12	2.07	2.07	0.42	1.91	2.00	0.64
3MG8CD	1.58	-0.22	1.63	3.32	0.16	0.93	1.77	0.35	0.42	1.59	0.00	0.57
3QJ2GA	1.60	-0.04	1.01	3.12	-0.50	0.55	1.67	-0.22	0.32	1.58	-0.06	0.70
3VC8R7	1.72	0.69	0.67	3.41	0.44	0.09	1.74	0.18	0.21	1.68	0.56	0.36
67KPKK	1.87	1.67	0.25	3.74	1.50	0.39	2.03	1.80	0.92	1.84	1.52	0.50
6P2U7C	1.61	0.02	1.85	3.28	0.03	0.88	1.78	0.41	0.38	1.59	-0.02	0.99
6U9LRV	1.59	-0.13	0.00	3.19	-0.26	1.69	1.67	-0.22	0.70	1.54	-0.31	0.41
7FN7MB	1.65	0.26	0.58	3.33	0.18	1.58	1.83	0.68	0.70	1.78	1.15	1.05
7X9XNV	1.43	-1.14	0.03	2.93	-1.12	0.05	1.63	-0.44	0.02	1.49	-0.63	0.02
8LTFD4	1.20	-2.67	1.20	2.71	-1.81	0.47	1.36	-2.03	0.31	1.42	-1.06	0.70
8P9ZCC	1.63	0.13	1.20	3.18	-0.29	1.97	1.53	-1.03	0.43	1.50	-0.58	0.75
8YWTN9	1.53	-0.52	1.32	3.08	-0.61	0.84	1.63	-0.45	0.25	1.46	-0.81	0.22
D9FD98	1.70	0.56	0.13	3.30	0.08	0.14	1.73	0.13	0.15	1.65	0.38	0.08
DH64VY	1.96	2.23	0.14	3.85	1.87	0.33	1.96	1.41	0.01	1.93	2.09	0.26
E43VQP	1.71	0.67	0.13	3.18	-0.29	0.52	1.76	0.26	0.12	1.69	0.63	0.08
EW63HV	1.59	-0.11	1.55	3.39	0.39	2.70	1.88	0.98	1.66	1.63	0.21	1.85
GR4XGM	1.96	2.24	2.40	4.05	2.52	2.40	2.13	2.41	2.15	2.00	2.52	0.30
HDYRBV	1.45	-1.06	0.45	3.07	-0.66	2.45	1.49	-1.28	0.04	1.38	-1.34	0.35
HRZQW7	1.63	0.15	0.34	3.43	0.51	0.33	1.71	0.00	0.03	1.64	0.26	0.10
JBUL9U	2.26	4.19X	2.19	4.36	3.51X	2.71	1.42	-1.66	4.95	1.59	0.00	4.05
JHRBPY	1.59	-0.15	0.25	3.08	-0.63	0.10	1.56	-0.88	0.10	1.55	-0.25	0.16
LWLKNN	1.61	-0.02	1.45	3.15	-0.41	1.18	1.65	-0.35	0.72	1.57	-0.13	1.27
NEGRVL	1.64	0.21	0.21	3.18	-0.29	0.69	1.66	-0.29	0.18	1.63	0.20	0.26



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca (SubTestCode 214) in the Wet Digestion Property Groups													Data units: Percent
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NMNUTR	1.63	0.11	0.76	3.23	-0.13	0.19	1.74	0.14	0.06	1.65	0.33	1.03	
NPET8P	1.58	-0.20	0.85	3.26	-0.03	0.60	1.70	-0.07	0.70	1.58	-0.08	0.38	
QA8T4C	1.52	-0.61	1.52	3.04	-0.76	1.16	1.59	-0.71	0.75	1.53	-0.41	1.21	
QEKBLT	1.59	-0.11	0.55	3.18	-0.31	0.05	1.68	-0.20	0.45	1.58	-0.06	0.46	
RFCRDF	1.29	-2.09	0.33	2.85	-1.38	0.41	1.96	1.42	0.40	1.50	-0.60	0.22	
RLHK8C	1.49	-0.78		3.10	-0.56		1.67	-0.24		1.50	-0.58		
RLK63R	1.79	1.19	0.98	3.56	0.94	1.11	1.72	0.07	0.32	1.74	0.90	0.36	
RR4HXK	1.68	0.46	1.41	3.42	0.46	0.48	1.71	-0.02	1.34	1.70	0.69	1.20	
TBGGH9	1.90	1.87	1.42	3.58	0.97	0.69	1.82	0.65	0.11	1.87	1.74	0.53	
TCB6YH	1.65	0.23	0.15	3.46	0.60	0.39	1.66	-0.32	0.50	1.56	-0.24	0.10	
UADE4N	1.77	1.02	0.31	3.59	1.02	0.18	1.85	0.81	0.19	1.67	0.46	1.32	
UNJ8Y7	1.56	-0.30	0.13	3.10	-0.56	0.71	1.72	0.07	1.02	1.29	-1.90	0.51	
UPDVFG	1.56	-0.31	0.17	3.31	0.11	0.01	1.79	0.42	0.04	1.64	0.29	2.46	
UZ94YJ	1.59	-0.10	0.20	3.35	0.24	0.56	1.70	-0.08	0.06	1.63	0.20	0.15	
V24ATH	1.45	-1.00	1.12	2.81	-1.49	0.19	1.51	-1.16	0.10	1.38	-1.33	0.29	
XAANXG	1.67	0.41	1.33	3.34	0.20	0.38	1.82	0.64	1.07	1.67	0.48	0.99	
YQBX8F	1.75	0.91	0.22	3.61	1.08	0.42	1.83	0.66	0.21	1.73	0.85	0.38	

Ca (SubTestCode 214) in the Wet Digestion Property Groups					Data units: Percent
	SRB1805	SRB1806	SRB1807	SRB1808	
Grand Median	1.61	3.27	1.71	1.59	
Median Abs Dev	0.06	0.16	0.08	0.07	
Avg Within Lab SD	0.05	0.11	0.10	0.07	
Labs Included	42	42	43	43	
Labs Reporting	43	43	43	43	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg (SubTestCode 215) in the Wet Digestion Property Groups													Data units: Percent
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
28NHGG	0.27	-0.54	1.16	0.32	-0.22	0.83	0.65	-0.65	0.28	0.32	-0.54	0.88	
2RTVDA	0.29	0.24	0.46	0.33	0.16	0.53	0.72	0.49	0.52	0.35	0.48	0.43	
37PMHB	0.27	-0.30	0.58	0.32	-0.22	0.83	0.68	-0.22	0.59	0.34	0.00	0.57	
3H6L47	0.30	0.53	1.53	0.37	1.42	0.83	0.73	0.70	0.43	0.38	1.29	0.57	
3MG8CD	0.26	-0.64	2.57	0.33	0.15	0.58	0.71	0.28	0.07	0.32	-0.77	1.42	
3QJ2GA	0.25	-1.24	0.44	0.30	-0.93	0.26	0.62	-1.17	0.25	0.30	-1.24	0.37	
3VC8R7	0.29	0.17	0.58	0.33	0.22	0.48	0.71	0.32	0.28	0.35	0.22	0.33	
67KPKK	0.30	0.50	0.40	0.36	1.15	0.36	0.71	0.32	0.52	0.36	0.73	0.30	
6P2U7C	0.29	0.30	1.28	0.32	-0.10	0.62	0.72	0.43	0.44	0.34	-0.07	0.62	
6U9LRV	0.30	0.53	0.29	0.32	-0.24	0.05	0.73	0.70	1.35	0.35	0.43	1.08	
7FN7MB	0.27	-0.51	0.40	0.32	-0.19	1.44	0.70	0.10	0.61	0.35	0.41	0.91	
7X9XNV	0.25	-1.21	0.01	0.29	-1.27	0.05	0.65	-0.59	0.16	0.33	-0.29	0.03	
8LTFD4	0.20	-2.84X	0.40	0.29	-1.11	0.30	0.55	-2.21	0.07	0.31	-1.01	0.53	
8P9ZCC	0.28	0.00	0.88	0.31	-0.66	1.65	0.64	-0.78	0.58	0.33	-0.47	0.64	
8YWTN9	0.25	-0.98	0.55	0.30	-0.73	0.78	0.65	-0.72	0.26	0.30	-1.18	0.18	
D9FD98	0.31	1.00	0.00	0.36	1.10	0.00	0.75	0.92	0.16	0.38	1.19	0.33	
DH64VY	0.35	2.50	0.74	0.39	2.17	0.27	0.85	2.52	0.05	0.43	2.95X	0.11	
E43VQP	0.29	0.35	0.23	0.33	0.11	0.54	0.71	0.24	0.11	0.36	0.58	0.26	
EW63HV	0.26	-0.77	3.61	0.31	-0.44	2.90	0.67	-0.38	1.15	0.32	-0.65	1.15	
GR4XGM	0.33	1.72	2.00	0.41	2.85	2.38	0.82	2.16	2.01	0.42	2.70	0.33	
HDYRBV	0.26	-0.87	0.21	0.29	-1.15	1.16	0.63	-0.94	0.04	0.32	-0.81	1.10	
HRZQW7	0.29	0.14	0.22	0.33	0.15	0.23	0.67	-0.29	0.08	0.33	-0.16	0.04	
JBUL9U	0.34	2.24	0.81	0.41	2.76	2.88	0.62	-1.14	4.96	0.30	-1.22	4.70	
JHRBPY	0.27	-0.33	0.35	0.30	-0.75	0.12	0.63	-0.94	0.08	0.32	-0.72	0.05	
LWLKNN	0.28	0.06	1.16	0.33	0.00	1.26	0.67	-0.38	0.71	0.34	0.00	1.52	
NEGRVL	0.29	0.36	0.14	0.33	0.23	0.51	0.66	-0.52	0.46	0.35	0.39	0.33	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg (SubTestCode 215) in the Wet Digestion Property Groups													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
NMNUTR	0.29	0.16	0.77	0.33	0.23	0.31	0.70	0.20	0.26	0.36	0.64	0.52		
NPET8P	0.28	-0.07	0.95	0.33	-0.05	0.71	0.68	-0.24	0.78	0.33	-0.18	0.68		
QA8T4C	0.27	-0.56	0.92	0.31	-0.68	1.13	0.68	-0.24	0.84	0.33	-0.22	0.95		
QEKBLT	0.27	-0.42	0.00	0.32	-0.11	0.48	0.66	-0.54	0.59	0.34	0.00	0.57		
RFCRDF	0.25	-1.01	0.58	0.33	0.00	1.26	0.71	0.32	0.00	0.35	0.32	1.15		
RLHK8C	0.25	-1.13		0.30	-0.88		0.65	-0.65		0.31	-0.97			
RLK63R	0.34	1.95	0.58	0.40	2.30	1.26	0.69	0.05	0.43	0.40	1.83	0.33		
RR4HXK	0.27	-0.42	1.33	0.33	0.06	0.45	0.64	-0.79	1.23	0.34	-0.04	0.79		
TBGGH9	0.32	1.35	0.26	0.35	0.64	0.69	0.73	0.62	0.36	0.38	1.29	0.43		
TCB6YH	0.29	0.29	0.00	0.34	0.27	0.58	0.69	-0.08	0.20	0.35	0.16	0.41		
UADE4N	0.30	0.51	0.12	0.35	0.88	0.10	0.75	1.01	0.22	0.35	0.28	1.14		
UNJ8Y7	0.27	-0.32	0.40	0.32	-0.27	0.27	0.69	0.00	0.35	0.28	-2.06	0.72		
UPDVFG	0.28	-0.10	0.10	0.33	-0.02	0.17	0.83	2.34	0.07	0.36	0.60	0.09		
UZ94YJ	0.28	0.00	0.32	0.33	0.21	0.33	0.73	0.72	0.57	0.36	0.66	0.43		
V24ATH	0.25	-1.14	0.41	0.30	-0.93	0.32	0.66	-0.56	0.29	0.30	-1.21	0.22		
XAANXG	0.28	-0.18	0.58	0.31	-0.44	0.48	0.69	0.00	1.58	0.33	-0.22	0.33		
YQBX8F	0.30	0.65	1.00	0.34	0.55	0.48	0.72	0.54	0.71	0.34	0.11	0.33		

Mg (SubTestCode 215) in the Wet Digestion Property Groups					Data units: Percent			
	SRB1805		SRB1806		SRB1807		SRB1808	
Grand Median	0.28		0.33		0.69		0.34	
Median Abs Dev	0.01		0.01		0.03		0.02	
Avg Within Lab SD	0.01		0.01		0.04		0.02	
Labs Included	42		43		43		42	
Labs Reporting	43		43		43		43	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

S (SubTestCode 216) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	0.13	-0.46	0.79	0.19	-0.56	1.44	0.19	-0.79	0.95	0.29	-0.45	0.61
2RTVDA	0.16	2.14	0.55	0.27	2.88	0.52	0.25	1.59	0.40	0.34	1.61	0.15
37PMHB	0.12	-0.69	0.79	0.19	-0.43	0.00	0.20	-0.51	0.00	0.30	-0.09	0.30
3MG8CD	0.12	-0.71	1.42	0.20	0.10	0.97	0.21	0.01	0.29	0.27	-1.03	2.59
3QJ2GA	0.15	0.95	0.49	0.23	1.02	0.72	0.22	0.20	0.31	0.30	0.00	0.06
3VC8R7	0.13	-0.46	0.79	0.20	-0.03	0.00	0.20	-0.51	0.00	0.29	-0.21	0.30
67KPKK	0.15	1.21	0.09	0.23	1.21	0.67	0.23	0.88	0.17	0.33	1.04	0.44
6P2U7C	0.13	-0.23	0.76	0.20	0.12	0.44	0.22	0.33	0.41	0.30	-0.05	0.63
7FN7MB	0.13	-0.53	0.21	0.20	-0.19	1.30	0.21	0.06	0.31	0.32	0.88	0.70
8LTFD4	0.09	-2.77X	0.79	0.17	-1.23	0.00	0.18	-1.50	0.72	0.26	-1.40	0.53
8P9ZCC	0.14	0.17	0.58	0.20	-0.11	1.65	0.20	-0.49	0.37	0.30	-0.12	0.53
8YWTN9	0.14	0.41	0.55	0.21	0.29	0.76	0.23	0.72	0.53	0.30	-0.09	0.26
D9FD98	0.13	-0.23	0.00	0.19	-0.43	0.00	0.21	-0.23	0.36	0.31	0.27	0.30
DH64VY	0.14	0.45	0.08	0.23	1.16	0.16	0.21	-0.19	0.05	0.29	-0.21	0.19
E43VQP	0.15	1.13	0.32	0.24	1.49	0.22	0.33	5.03X	0.79	0.31	0.47	0.62
EW63HV	0.15	1.38	4.82	0.17	-1.23	3.74	0.29	3.31	4.09	0.33	0.99	2.70
GR4XGM	0.14	0.46	1.37	0.24	1.57	2.16	0.25	1.75	1.57	0.36	2.30	0.30
HDYRBV	0.12	-0.74	0.21	0.21	0.21	0.90	0.19	-0.95	0.34	0.27	-0.97	0.64
HRZQW7	0.13	-0.12	0.22	0.21	0.26	0.48	0.21	-0.14	0.10	0.31	0.39	0.09
JBUL9U	0.17	2.52	0.18	0.24	1.52	1.64	0.17	-1.65	3.38	0.28	-0.81	3.74
JHRBPY	0.12	-0.66	0.21	0.19	-0.38	0.05	0.19	-0.80	0.14	0.28	-0.80	0.05
LWLKNN	0.13	-0.46	0.79	0.19	-0.43	1.25	0.21	0.06	0.95	0.29	-0.33	1.90
NEGRVL	0.13	0.02	0.18	0.20	0.00	0.40	0.21	-0.05	0.34	0.32	0.62	0.32
NMNUTR	0.14	0.14	0.55	0.22	0.58	0.19	0.21	0.10	0.22	0.31	0.45	0.79
NPET8P	0.14	0.21	0.89	0.23	0.98	1.28	0.22	0.28	0.78	0.30	-0.14	0.31
QA8T4C	0.11	-1.66	0.62	0.16	-1.53	0.64	0.17	-1.60	0.25	0.26	-1.51	0.28



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

S (SubTestCode 216) in the Wet Digestion Property Groups													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
QEKBLT	0.14	0.23	0.79	0.20	0.10	0.72	0.22	0.48	0.36	0.32	0.75	0.00		
RFCRDF	0.13	0.00	0.79	0.20	-0.03	0.00	0.21	0.06	0.36	0.32	0.87	0.30		
RLHK8C	0.12	-0.92		0.18	-0.83		0.19	-0.93		0.26	-1.40			
RLK63R	0.14	0.23	0.79	0.22	0.77	1.25	0.21	-0.08	0.62	0.31	0.27	0.30		
RR4HXK	0.12	-0.72	0.56	0.19	-0.59	0.57	0.19	-0.76	0.87	0.30	-0.08	0.66		
TBGGH9	0.14	0.29	0.67	0.20	0.00	0.36	0.21	-0.01	0.14	0.31	0.53	0.12		
TCB6YH	0.15	0.81	0.97	0.20	-0.03	0.00	0.22	0.34	0.88	0.32	0.75	0.00		
TNLTVM	0.13	0.00	0.79	0.19	-0.30	0.72	0.21	-0.08	0.00	0.32	0.63	0.30		
UADE4N	0.14	0.71	0.12	0.22	0.76	0.07	0.23	0.85	0.07	0.33	0.93	1.02		
UNJ8Y7	0.13	-0.30	0.14	0.20	0.04	0.44	0.23	0.74	0.16	0.26	-1.39	0.60		
UPDVEG	0.11	-1.34	0.14	0.19	-0.47	0.12	0.24	1.13	0.10	0.30	-0.03	0.11		
UZ94YJ	0.15	0.88	0.27	0.23	1.18	0.31	0.23	0.95	0.07	0.33	1.20	0.35		
V24ATH	0.11	-1.28	0.45	0.17	-1.16	0.16	0.18	-1.45	0.30	0.28	-0.71	0.37		
XAANXG	0.12	-1.15	0.79	0.17	-1.36	0.72	0.21	-0.08	1.25	0.31	0.27	1.32		
YQBX8F	0.13	0.00	0.79	0.20	0.10	0.72	0.22	0.34	0.00	0.32	0.63	0.30		

S (SubTestCode 216) in the Wet Digestion Property Groups					Data units: Percent	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	0.13	0.20	0.21	0.30		
Median Abs Dev	0.01	0.01	0.01	0.02		
Avg Within Lab SD	0.01	0.01	0.02	0.02		
Labs Included	40	41	40	41		
Labs Reporting	41	41	41	41		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2RTVDA	0.045	1.198	2.772	0.078	0.797	2.254	0.073	1.659	0.914	0.141	0.051	3.057	
37PMHB	0.040	0.763	0.000	0.073	0.367	1.406	0.063	0.331	0.955	0.143	0.208	0.457	
3MG8CD	0.029	-0.226	0.166	0.069	-0.063	0.166	0.064	0.440	0.168	0.138	-0.180	0.199	
3VC8R7	0.030	-0.136	0.000	0.070	0.048	0.000	0.060	-0.142	0.000	0.140	-0.051	0.000	
67KPKK	0.033	0.140	0.001	0.071	0.127	0.508	0.067	0.859	0.447	0.150	0.718	0.171	
6P2U7C	0.029	-0.184	0.137	0.064	-0.503	0.143	0.065	0.601	0.565	0.127	-1.083	0.320	
6U9LRV	0.030	-0.166	0.105	0.065	-0.462	0.281	0.059	-0.237	0.416	0.142	0.079	0.562	
7FN7MB	0.026	-0.496	0.181	0.064	-0.493	1.151	0.060	-0.142	0.438	0.146	0.388	0.645	
8LTFD4	0.021	-0.916	0.105	0.059	-1.004	0.243	0.055	-0.805	0.096	0.136	-0.386	2.081	
8P9ZCC	0.034	0.186	0.762	0.020	-4.726X	1.359	0.015	-6.555X	0.993	0.057	-6.463X	0.717	
8YWTN9	0.029	-0.265	0.111	0.065	-0.398	0.436	0.058	-0.492	0.154	0.129	-0.877	0.183	
DH64VY	0.032	0.055	0.045	0.068	-0.150	0.064	0.064	0.438	0.016	0.144	0.233	0.268	
E43VQP	0.033	0.142	0.144	0.069	-0.025	0.336	0.061	0.000	0.152	0.146	0.440	0.091	
GR4XGM	0.030	-0.136	0.000	0.067	-0.270	1.406	0.063	0.331	0.955	0.133	-0.567	0.457	
HDYRBV	0.120	7.928X	28.300	0.263	18.539X	83.641	0.220	22.538X	47.332	0.130	-0.846	0.341	
HRZQW7	0.029	-0.213	0.056	0.070	0.023	0.076	0.059	-0.253	0.088	0.136	-0.342	0.084	
JBUL9U	0.049	1.572	3.116	0.102	3.071	0.515	0.058	-0.388	3.842	0.120	-1.584	3.584	
JHRBPY	0.059	2.453	0.313	0.089	1.900	0.196	0.084	3.260	0.377	0.154	1.045	0.303	
LWLKNN	0.030	-0.136	0.000	0.067	-0.270	1.406	0.060	-0.142	0.000	0.130	-0.825	0.000	
NMNUTR	0.064	2.922	1.255	0.117	4.576	3.092	0.087	3.646	2.527	0.169	2.196	0.677	
NPET8P	0.033	0.163	0.105	0.071	0.096	0.503	0.061	-0.047	0.626	0.137	-0.314	0.076	
QA8T4C	0.031	-0.016	0.277	0.069	-0.047	0.644	0.061	0.000	0.287	0.144	0.234	0.199	
RLK63R	0.043	1.063	1.046	0.083	1.324	1.406	0.073	1.752	0.955	0.150	0.724	0.000	
RR4HXK	0.030	-0.177	0.377	0.069	0.000	0.331	0.058	-0.370	0.626	0.133	-0.586	0.415	
TBGGH9	0.037	0.529	0.289	0.081	1.114	0.942	0.066	0.660	0.299	0.156	1.155	0.101	
UADE4N	0.032	0.016	0.036	0.074	0.473	0.173	0.065	0.516	0.169	0.144	0.221	0.659	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
UNJ8Y7	0.029	-0.187	0.089	0.066	-0.299	0.271	0.060	-0.208	0.193	0.113	-2.116	0.357	
UZ94YJ	0.031	-0.016	0.105	0.069	-0.079	0.141	0.060	-0.095	0.096	0.141	0.053	0.199	
V24ATH	0.031	-0.034	0.164	0.067	-0.210	0.550	0.060	-0.133	0.552	0.125	-1.187	0.350	
XAANXG	0.093	5.560	2.768	0.080	1.005	0.000	0.067	0.805	0.955	0.157	1.241	0.457	
YQBX8F	0.033	0.163	1.046	0.073	0.367	1.406	0.067	0.805	0.955	0.137	-0.309	0.457	

Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	0.032			0.069			0.061			0.14			
Median Abs Dev	0.002			0.004			0.003			0.01			
Avg Within Lab SD	0.006			0.004			0.006			0.01			
Labs Included	30			29			29			30			
Labs Reporting	31			31			31			31			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2RTVDA	572.3	1.2	1.1	249.5	1.9	1.0	239.0	1.3	2.0	1,354.1	1.4	1.1
37PMHB	553.1	1.1	1.9	244.4	1.8	0.5	222.4	1.0	0.2	1,306.1	1.3	0.1
3MG8CD	415.7	0.0	1.2	156.7	0.0	0.7	188.0	0.4	2.9	950.0	0.1	0.9
6U9LRV	423.3	0.1	0.1	145.7	-0.2	0.3	166.7	0.0	0.4	869.7	-0.2	0.5
8P9ZCC	469.2	0.5	0.9	159.2	0.1	1.4	160.0	-0.1	0.8	981.3	0.2	1.2
8YWTN9	424.7	0.1	0.5	168.7	0.2	0.5	179.3	0.2	0.2	969.7	0.2	0.5
DH64VY	690.7	2.1	0.1	235.2	1.6	0.1	308.4	2.6	0.3	1,390.9	1.5	0.9
E43VQP	443.7	0.3	0.5	142.7	-0.3	0.6	166.7	0.0	0.3	947.0	0.1	0.9
GR4XGM	358.6	-0.4	1.0	120.2	-0.7	1.0	139.6	-0.5	1.0	761.5	-0.5	0.5
HDYRBV	331.0	-0.6	0.5	156.3	0.0	0.9	149.0	-0.3	0.7	749.0	-0.6	0.6
HRZQW7	565.9	1.2	0.1	209.4	1.1	0.1	179.6	0.2	0.2	1,245.3	1.1	0.2
LWLKNN	409.7	0.0	2.6	162.7	0.1	2.5	169.2	0.0	1.3	919.8	0.0	3.3
NPET8P	361.6	-0.4	0.7	141.2	-0.3	0.9	140.4	-0.5	1.2	772.5	-0.5	0.4
QA8T4C	389.1	-0.2	1.3	149.4	-0.1	1.1	204.8	0.7	0.5	932.0	0.0	1.0
RLK63R	260.0	-1.1	0.2	104.0	-1.1	0.4	70.3	-1.8	0.4	480.0	-1.4	0.1
UADE4N	367.3	-0.3	0.8	167.0	0.2	0.6	158.4	-0.2	0.1	822.8	-0.3	1.0
UNJ8Y7	388.3	-0.2	0.3	142.3	-0.3	0.2	149.0	-0.3	0.1	691.7	-0.7	0.9
UZ94YJ	496.6	0.7	0.2	196.6	0.8	0.5	171.1	0.1	0.3	994.4	0.2	0.3
V24ATH	178.7	-1.7	0.3	65.0	-1.8	0.3	63.1	-1.9	0.2	396.4	-1.7	0.3
XAANXG	271.7	-1.0	0.9	85.7	-1.4	0.3	99.3	-1.2	0.7	607.3	-1.0	0.6
YQBX8F	278.7	-1.0	1.3	147.3	-0.2	2.3	124.0	-0.8	1.3	593.3	-1.1	0.8



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

	SRB1805	SRB1806	SRB1807	SRB1808
Grand Median	409.7	156.3	166.7	919.8
Median Abs Dev	59.5	14.0	21.3	158.3
Avg Within Lab SD	25.2	11.4	13.0	46.8
Labs Included	21	21	21	21
Labs Reporting	21	21	21	21



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B (SubTestCode 219) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	176.3	0.1	0.4	47.7	-0.1	0.6	35.4	-0.2	0.3	36.7	0.1	0.8
2RTVDA	169.6	-0.2	3.6	44.8	-0.5	2.7	36.4	-0.1	1.3	35.8	0.0	1.6
37PMHB	161.9	-0.5	0.7	43.0	-0.8	0.7	33.9	-0.5	0.2	30.7	-0.8	0.3
3MG8CD	173.3	0.0	0.8	49.9	0.2	1.4	38.0	0.2	0.4	37.6	0.3	0.5
3QJ2GA	141.5	-1.4	0.3	33.7	-2.2	0.3	25.3	-1.9	0.3	24.4	-1.8	0.4
3VC8R7	178.4	0.2	0.1	45.7	-0.4	0.2	33.8	-0.5	0.1	33.4	-0.4	0.2
67KPKK	180.1	0.3	0.5	48.3	0.0	2.7	36.1	-0.1	1.4	33.7	-0.3	2.1
6P2U7C	174.7	0.0	0.7	48.6	0.0	0.5	38.9	0.3	0.2	34.0	-0.3	2.6
7FN7MB	180.0	0.3	0.2	50.7	0.4	1.0	40.5	0.6	0.2	40.6	0.7	0.9
7X9XNV	144.9	-1.2	0.0	41.2	-1.1	0.0	70.7	5.5X	0.1	24.7	-1.7	0.1
8LTFD4	100.7	-3.2X	0.9	21.2	-4.1X	1.2	16.8	-3.3X	0.3	20.8	-2.4	0.8
8P9ZCC	176.5	0.1	0.6	44.8	-0.5	1.3	32.7	-0.7	0.4	32.8	-0.5	0.4
8YWTN9	157.3	-0.7	0.6	45.2	-0.5	0.5	35.9	-0.1	0.2	32.8	-0.5	0.3
D9FD98	161.0	-0.5	0.4	42.6	-0.9	0.2	33.6	-0.5	0.2	36.5	0.1	0.5
DH64VY	173.7	0.0	0.1	46.4	-0.3	0.5	35.7	-0.2	0.1	36.8	0.1	0.3
E43VQP	195.7	1.0	0.2	50.0	0.3	0.4	41.9	0.8	0.1	41.8	0.9	0.2
GR4XGM	234.9	2.7	1.4	64.5	2.5	1.7	46.1	1.5	0.7	45.3	1.5	0.4
HDYRBV	172.0	-0.1	0.7	47.7	-0.1	1.6	34.5	-0.4	0.1	35.4	-0.1	0.4
HRZQW7	151.7	-0.9	0.1	46.7	-0.2	0.4	33.8	-0.5	0.2	31.0	-0.7	0.1
JBUL9U	181.5	0.3	1.6	52.8	0.7	1.5	40.4	0.6	1.5	44.6	1.4	3.2
JHRBPY	157.6	-0.7	0.1	44.9	-0.5	0.2	34.2	-0.4	0.1	31.9	-0.6	0.0
LWLKNN	167.8	-0.2	0.5	50.6	0.4	0.7	40.3	0.6	0.2	41.7	0.9	0.7
NEGRVL	180.1	0.3	0.1	49.7	0.2	0.7	39.5	0.4	0.3	38.3	0.4	0.2
NMNUTR	178.3	0.2	0.2	51.5	0.5	0.8	39.0	0.4	0.5	41.1	0.8	1.1
NPET8P	152.0	-0.9	0.2	44.6	-0.6	0.3	34.8	-0.3	0.1	33.2	-0.4	0.4
QA8T4C	164.0	-0.4	0.3	48.3	0.0	0.7	39.5	0.4	0.4	38.6	0.4	1.6



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B (SubTestCode 219) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
QEKBLT	176.0	0.1	0.8	49.1	0.1	0.3	38.8	0.3	0.4	39.4	0.6	0.6
RFCRDF	186.3	0.6	0.3	55.0	1.0	0.4	45.0	1.3	0.5	42.0	1.0	0.4
RLHK8C	146.8	-1.2		33.6	-2.2		23.5	-2.2		21.5	-2.2	
RLK63R	170.3	-0.1	0.1	53.0	0.7	0.8	36.0	-0.1	0.4	34.7	-0.2	0.2
TBGGH9	206.2	1.4	0.7	53.2	0.7	1.2	36.8	0.0	0.6	37.2	0.2	1.1
TCB6YH	234.0	2.6	3.6	54.0	0.9	1.1	53.5	2.7	5.0	39.0	0.5	1.6
UADE4N	185.2	0.5	0.5	52.3	0.6	0.4	39.7	0.5	0.1	35.8	0.0	0.7
UNJ8Y7	183.7	0.4	0.3	49.7	0.2	0.8	44.5	1.2	1.1	32.9	-0.5	0.3
UPDVFG	159.1	-0.6	0.0	45.6	-0.4	0.0	41.7	0.8	0.0	33.6	-0.4	0.4
UZ94YJ	172.2	-0.1	0.2	49.4	0.2	0.1	37.8	0.1	0.1	37.3	0.2	0.1
V24ATH	142.8	-1.3	0.3	39.4	-1.3	0.5	32.0	-0.8	0.4	33.3	-0.4	0.4
XAANXG	112.3	-2.6	0.6	28.7	-3.0	0.5	22.7	-2.3	0.5	23.0	-2.0	0.4
YQBX8F	188.7	0.7	0.6	51.3	0.5	0.6	38.7	0.3	0.5	36.0	0.0	0.7

B (SubTestCode 219) in the Wet Digestion Property Groups

Data units: mg/kg

	SRB1805	SRB1806	SRB1807	SRB1808
Grand Median	173.5	48.3	36.8	35.8
Median Abs Dev	10.9	3.2	2.9	3.0
Avg Within Lab SD	9.9	2.5	4.1	2.7
Labs Included	38	38	37	39
Labs Reporting	39	39	39	39



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Zn (SubTestCode 220) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	14.3	0.7	0.3	12.3	0.8	0.8	41.3	0.8	1.2	29.1	0.3	0.4
2RTVDA	14.1	0.7	0.6	11.1	0.2	0.8	41.7	0.9	0.6	31.1	0.9	0.3
37PMHB	13.4	0.3	0.4	11.7	0.4	0.5	38.5	0.1	0.7	28.8	0.3	0.4
3H6L47	12.8	0.1	0.1	9.9	-0.4	0.3	38.0	0.0	0.4	27.1	-0.2	0.5
3MG8CD	10.8	-0.8	0.3	9.3	-0.7	0.4	34.3	-0.9	0.4	24.1	-1.1	0.7
3QJ2GA	14.8	1.0	0.4	9.9	-0.4	0.4	33.4	-1.1	0.8	35.9	2.3	1.6
3VC8R7	10.5	-0.9	0.1	8.6	-1.0	0.1	34.5	-0.9	0.2	24.2	-1.0	0.4
67KPKK	16.6	1.7	0.3	13.5	1.4	0.2	48.0	2.4	0.5	35.0	2.0	0.7
6P2U7C	13.0	0.2	2.9	11.0	0.1	2.8	38.8	0.2	1.5	27.4	-0.1	1.7
6U9LRV	12.3	-0.1	0.5	10.0	-0.4		36.3	-0.4	1.0	27.0	-0.2	0.6
7FN7MB	13.4	0.3	0.5	11.0	0.1	0.3	42.4	1.1	0.6	31.1	0.9	0.6
7X9XNV	9.1	-1.6	0.0	8.5	-1.1	0.3	36.4	-0.4	0.1	25.8	-0.6	0.2
8LTFD4	7.0	-2.5X	0.2	5.3	-2.6X	0.1	22.6	-3.8X	0.6	16.7	-3.2X	0.6
8P9ZCC	10.9	-0.8	0.4	8.1	-1.3	0.4	33.8	-1.0	0.6	24.2	-1.1	0.5
8YWTN9	11.8	-0.4	0.2	9.8	-0.5	0.2	37.8	-0.1	0.7	25.8	-0.6	0.1
D9FD98	12.3	-0.1	0.5	10.7	0.0	0.5	32.7	-1.3	0.4	26.0	-0.5	0.6
DH64VY	13.7	0.5	0.4	10.2	-0.3	0.3	34.5	-0.9	0.4	28.4	0.1	0.2
E43VQP	13.4	0.3	0.3	10.0	-0.3	0.2	40.5	0.6	0.3	28.0	0.0	0.1
EW63HV	11.4	-0.5	1.9	10.8	0.0	1.7	34.8	-0.8	1.1	24.6	-0.9	1.3
GR4XGM	14.2	0.7	0.6	10.6	-0.1	0.3	40.1	0.5	1.2	30.3	0.7	0.3
HDYRBV	11.7	-0.4	0.7	7.7	-1.5	0.4	34.8	-0.8	0.3	24.3	-1.0	0.5
HRZQW7	12.2	-0.2	0.1	10.6	0.0	0.1	37.9	0.0	0.2	27.5	-0.1	0.0
JBUL9U	18.4	2.5	1.1	14.7	1.9	0.6	42.7	1.1	3.0	31.9	1.1	3.7
JHRBPY	12.3	-0.2	0.0	11.3	0.3	0.3	33.6	-1.1	0.1	24.8	-0.9	0.1
LWLKNN	12.6	0.0	1.4	10.2	-0.3	1.0	38.1	0.0	2.2	27.9	0.0	1.3
NEGRVL	14.2	0.7	0.6	11.4	0.3	0.1	39.7	0.4	1.7	29.2	0.4	0.2



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Zn (SubTestCode 220) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NMNUTR	12.1	-0.2	0.6	11.0	0.1	0.7	38.8	0.2	0.7	27.8	0.0	0.8	
NPET8P	11.9	-0.3	0.4	9.9	-0.4	0.4	39.1	0.3	0.7	26.8	-0.3	0.6	
QA8T4C	19.3	2.9	4.0	19.5	4.2	4.6	41.8	0.9	1.9	33.1	1.5	2.9	
QEKBLT	13.0	0.2	0.4	12.0	0.6		39.8	0.4	0.8	28.8	0.3	0.1	
RFCRDF	16.9	1.9	0.9	14.5	1.8	0.1	43.0	1.2		34.3	1.8	0.3	
RLHK8C	11.5	-0.5		10.1	-0.3		37.2	-0.2		25.8	-0.6		
RLK63R	20.0	3.2X		13.7	1.4	0.5	41.0	0.7	0.7	31.3	1.0	0.3	
RR4HXK	12.4	-0.1	1.0	11.5	0.3	0.8	37.6	-0.1	1.2	29.3	0.4	1.0	
TBGGH9	13.4	0.3	0.5	10.9	0.1	0.4	37.6	-0.1	0.8	29.2	0.4	0.2	
TCB6YH	16.0	1.5	1.3	14.5	1.8	0.6	38.0	0.0		28.0	0.0		
UADE4N	13.3	0.3	0.1	11.6	0.4	0.4	42.3	1.0	0.0	29.1	0.3	1.3	
UNJ8Y7	12.0	-0.3	0.3	10.0	-0.4	0.1	37.5	-0.1	0.2	22.3	-1.6	0.3	
UPDVFG	8.6	-1.8	0.0	12.5	0.8	0.0	47.6	2.3	0.4	25.8	-0.6	0.0	
UZ94YJ	12.6	0.0	0.0	11.5	0.4	0.0	40.8	0.7	0.1	29.2	0.4	0.1	
V24ATH	10.8	-0.8	0.1	9.8	-0.5	0.2	30.8	-1.8	1.2	24.3	-1.0	0.9	
XAANXG	11.3	-0.6	0.5	9.3	-0.7	0.5	37.3	-0.2	1.0	25.7	-0.6	0.8	
YQBX8F	13.3	0.3	0.5	10.0	-0.4	0.8	39.0	0.2		27.3	-0.2	0.3	

Zn (SubTestCode 220) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB1805		SRB1806		SRB1807	
Grand Median	12.6		10.7		38.0	
Median Abs Dev	1.0		0.8		2.6	
Avg Within Lab SD	1.1		1.2		1.5	
Labs Included	41		42		42	
Labs Reporting	43		43		43	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mn (SubTestCode 221) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
28NHGG	104.3	0.1	0.9	29.7	-0.7	0.7	60.5	-0.2	1.5	48.4	0.2	1.1
2RTVDA	107.3	0.4	0.7	32.3	-0.1	0.8	65.4	0.7	0.3	51.5	0.8	1.0
37PMHB	103.1	0.0	0.3	33.7	0.3	1.5	62.4	0.2	0.8	49.6	0.4	1.0
3H6L47	80.3	-2.3	0.7	22.4	-2.5	0.5	58.5	-0.6	0.7	44.8	-0.5	0.4
3MG8CD	103.6	0.0	1.8	34.9	0.6	0.9	66.3	0.9	1.3	49.8	0.5	0.8
3QJ2GA	97.8	-0.6	1.0	29.9	-0.7	0.9	60.3	-0.3	0.8	44.9	-0.5	0.3
3VC8R7	100.8	-0.3	0.6	25.3	-1.8	0.3	54.5	-1.4	0.2	40.8	-1.2	0.4
67KPKK	114.1	1.0	0.3	36.5	1.0	0.5	68.1	1.3	0.2	52.6	1.0	0.3
6P2U7C	92.5	-1.1	1.5	28.7	-1.0	1.0	57.1	-0.9	1.3	43.5	-0.7	1.2
6U9LRV	103.7	0.0	0.3	31.3	-0.3	0.4	60.3	-0.2	0.8	47.0	-0.1	0.7
7FN7MB	98.7	-0.5	0.8	31.6	-0.2	1.2	62.4	0.2	0.7	50.9	0.7	0.9
7X9XNV	90.9	-1.3	0.0	27.6	-1.2	0.3	59.1	-0.5	0.2	42.6	-0.9	0.0
8LTFD4	66.4	-3.7X	0.8	16.0	-4.2X	0.2	39.8	-4.2X	0.4	31.1	-3.0X	0.2
8P9ZCC	101.4	-0.2	0.9	29.3	-0.8	1.3	54.5	-1.4	0.5	45.3	-0.4	0.8
8YWTN9	97.9	-0.6	1.1	31.7	-0.2	0.5	61.3	0.0	0.3	46.2	-0.2	0.7
D9FD98	97.3	-0.6	0.2	31.3	-0.3	0.4	56.7	-0.9	0.2	44.7	-0.5	0.4
DH64VY	132.3	2.8	0.5	40.8	2.1	0.3	76.0	2.8	0.1	60.4	2.4	0.2
E43VQP	115.3	1.2	0.4	34.0	0.4	0.8	74.5	2.5	0.8	56.6	1.7	0.5
EW63HV	94.8	-0.9	1.7	37.4	1.2	3.0	61.0	-0.1	2.4	43.6	-0.7	1.1
GR4XGM	109.5	0.6	1.9	33.0	0.1	1.6	58.9	-0.5	1.2	48.4	0.2	0.3
HDYRBV	102.8	-0.1	0.9	32.9	0.1	1.3	58.4	-0.6	0.4	45.6	-0.3	0.4
HRZQW7	98.7	-0.5	0.1	32.6	0.0	0.1	59.0	-0.5	0.2	45.6	-0.3	0.1
JBUL9U	129.6	2.6	1.5	39.6	1.8	1.8	62.9	0.3	3.4	40.5	-1.3	4.0
JHRBPY	93.6	-1.0	0.2	29.2	-0.8	0.2	55.5	-1.2	0.1	43.4	-0.7	0.0
LWLKNN	100.5	-0.3	2.8	32.4	0.0	1.5	59.4	-0.4	1.2	47.4	0.0	1.7
NEGRVL	107.7	0.4	0.3	33.3	0.2	0.3	63.0	0.3	0.9	49.8	0.4	1.1



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mn (SubTestCode 221) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NMNUTR	106.0	0.2	0.6	33.2	0.2	0.2	62.9	0.3	0.1	51.0	0.7	0.7	
NPET8P	105.3	0.2	0.8	34.2	0.4	0.6	63.1	0.3	0.9	47.4	0.0	0.2	
QA8T4C	96.2	-0.7	1.2	30.3	-0.6	1.0	59.3	-0.4	1.2	45.2	-0.4	0.8	
QEKBLT	103.3	0.0	0.6	33.3	0.2	0.2	62.4	0.2	0.4	48.8	0.3	0.3	
RFCRDF	40.3	-6.2X	0.2	15.2	-4.4X	0.6	29.6	-6.2X	0.0	22.0	-4.7X	0.4	
RLHK8C	98.0	-0.6		30.5	-0.5		61.8	0.0		45.5	-0.4		
RLK63R	111.0	0.7	0.6	39.0	1.6	1.3	60.0	-0.3	0.7	51.3	0.7	0.2	
TBGGH9	122.1	1.8	1.2	35.5	0.7	1.4	63.0	0.3	1.2	53.0	1.1	0.3	
TCB6YH	106.0	0.2	0.4	31.0	-0.4	1.0	59.0	-0.5		47.0	-0.1	0.5	
UADE4N	116.3	1.3	0.2	37.3	1.2	0.4	70.6	1.7	0.2	51.6	0.8	1.2	
UNJ8Y7	106.0	0.2	0.5	32.5	0.0	0.3	63.2	0.3	0.3	39.1	-1.5	0.7	
UPDVFG	106.4	0.3	0.2	31.9	-0.2	0.1	63.5	0.4	0.2	48.8	0.3	0.0	
UZ94YJ	105.4	0.2	0.0	35.8	0.8	0.1	62.8	0.2	0.2	49.8	0.5	0.1	
V24ATH	94.2	-0.9	0.2	29.6	-0.7	0.2	54.6	-1.3	0.1	45.5	-0.4	0.4	
XAANXG	106.0	0.2	1.5	34.7	0.5	0.8	68.3	1.3	1.3	51.0	0.7	0.8	
YQBX8F	105.3	0.2	1.3	34.7	0.5	1.5	65.3	0.7	0.2	62.3	2.8	1.9	

Mn (SubTestCode 221) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	103.6	32.6	61.6	47.4		
Median Abs Dev	5.0	2.1	2.4	2.5		
Avg Within Lab SD	3.4	1.4	2.5	2.6		
Labs Included	40	40	40	40		
Labs Reporting	42	42	42	42		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Fe (SubTestCode 222) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
28NHGG	539.7	0.2	0.4	208.7	0.0	0.3	206.7	-0.4	1.0	934.3	-0.1	0.3	
2RTVDA	511.5	-0.2	2.7	242.6	1.1	0.5	241.6	0.6	1.2	1,039.9	0.5	1.6	
37PMHB	617.4	1.1	0.1	247.0	1.2	2.4	264.6	1.3	0.8	1,195.9	1.4	0.6	
3H6L47	483.0	-0.5	0.1	182.7	-0.8	0.0	221.9	0.1	0.3	641.6	-1.8	0.3	
3MG8CD	533.3	0.1	1.2	224.0	0.5	0.8	371.0	4.2X	17.7	974.7	0.2	0.2	
3QJ2GA	429.5	-1.2	0.7	150.5	-1.9	1.6	155.4	-1.8	0.2	712.7	-1.4	0.2	
3VC8R7	474.0	-0.6	0.3	185.9	-0.7	0.3	188.8	-0.8	0.3	889.6	-0.3	0.1	
67KPKK	547.4	0.3	0.4	221.3	0.4	0.1	221.0	0.0	0.2	1,021.0	0.4	0.2	
6P2U7C	442.3	-1.0	0.6	167.7	-1.3	1.2	158.7	-1.7	0.3	790.0	-0.9	0.3	
6U9LRV	543.3	0.2	0.3	220.3	0.4	1.0	219.7	0.0	0.7	944.7	0.0	0.4	
7FN7MB	525.0	0.0	0.5	213.7	0.2	0.9	231.7	0.3	0.3	1,743.3	4.6X	9.2	
7X9XNV	580.6	0.7	0.2	223.1	0.5	0.0	278.9	1.6	0.0	1,128.7	1.0	0.0	
8LTFD4	397.7	-1.6	0.4	177.3	-1.0	0.4	179.0	-1.1	0.2	843.3	-0.6	0.0	
8P9ZCC	576.7	0.6	0.5	210.5	0.1	1.7	217.7	0.0	0.8	1,216.5	1.6	3.1	
8YWTN9	523.3	0.0	0.5	205.3	-0.1	0.9	215.7	-0.1	0.3	1,179.7	1.3	3.3	
D9FD98	534.7	0.1	0.1	205.0	-0.1	0.3	201.3	-0.5	0.3	902.3	-0.3	0.0	
DH64VY	618.7	1.2	0.4	212.5	0.1	0.8	254.1	1.0	0.9	986.4	0.2	0.3	
E43VQP	570.3	0.6	0.3	199.7	-0.3	0.7	236.0	0.5	0.7	1,106.7	0.9	0.8	
EW63HV	464.2	-0.7	0.4	208.7	0.0	1.4	220.6	0.0	1.2	830.1	-0.7	0.3	
GR4XGM	494.2	-0.4	0.8	182.3	-0.9	1.3	175.7	-1.2	0.7	791.5	-0.9	0.1	
HDYRBV	504.7	-0.2	0.6	226.0	0.6	2.6	244.0	0.7	0.7	1,025.7	0.5	0.3	
HRZQW7	608.1	1.0	0.1	223.1	0.5	0.2	219.4	0.0	0.1	974.6	0.2	0.0	
JBUL9U	689.0	2.0	4.6	305.2	3.1X	1.4	225.8	0.2	4.9	995.4	0.3	2.7	
JHRBPY	518.6	-0.1	0.0	217.2	0.3	0.1	215.5	-0.1	0.1	928.1	-0.1	0.1	
LWLKNN	514.0	-0.1	1.7	202.0	-0.2	2.7	215.7	-0.1	1.0	949.7	0.0	0.9	
NMNUTR	551.3	0.3	0.4	215.0	0.2	0.1	225.3	0.2	0.3	1,082.7	0.8	1.0	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Fe (SubTestCode 222) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NPET8P	479.2	-0.6	0.6	199.1	-0.3	0.3	202.6	-0.5	1.1	878.2	-0.4	0.5	
QA8T4C	480.1	-0.5	0.7	186.7	-0.7	0.9	207.6	-0.3	0.8	886.1	-0.4	0.4	
QEKBTL	609.0	1.0	0.3	245.3	1.2	0.3	262.0	1.2	0.6	1,113.3	1.0	0.4	
RFCRDF	577.3	0.7	0.2	264.3	1.8	0.3	273.0	1.5	0.1	1,103.0	0.9	0.0	
RLHK8C	563.3	0.5		223.9	0.5		235.3	0.4		1,014.1	0.4		
RLK63R	442.0	-1.0	0.4	197.0	-0.4	0.6	156.7	-1.7	0.3	769.3	-1.0	0.1	
TBGGH9	488.2	-0.4	0.7	175.0	-1.1	0.4	178.8	-1.1	0.6	900.5	-0.3	0.1	
TCB6YH	669.5	1.8	0.1	227.0	0.6	0.4	233.5	0.4	0.1	1,565.0	3.6X	0.8	
UADE4N	507.9	-0.2	0.6	220.7	0.4	0.0	221.3	0.1	0.5	994.2	0.3	1.0	
UNJ8Y7	525.3	0.0	0.2	202.0	-0.2	0.2	213.0	-0.2	0.2	791.0	-0.9	0.5	
UZ94YJ	558.5	0.4	0.2	228.0	0.6	0.1	231.1	0.3	0.0	996.1	0.3	0.2	
V24ATH	340.9	-2.3	0.2	145.1	-2.0	0.5	135.1	-2.3	0.4	608.7	-2.0	0.0	
XAANXG	490.0	-0.4	0.2	155.3	-1.7	0.9	219.0	0.0	1.2	906.0	-0.2	0.6	
YQBX8F	357.0	-2.1	0.6	161.3	-1.5	0.3	149.7	-1.9	0.1	705.7	-1.4	0.2	

Fe (SubTestCode 222) in the Wet Digestion Property Groups												Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	524.2			208.7			219.4			947.2			
Median Abs Dev	42.6			15.2			15.9			85.6			
Avg Within Lab SD	39.0			9.9			14.0			127.0			
Labs Included	40			39			39			38			
Labs Reporting	40			40			40			40			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cu (SubTestCode 223) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
28NHGG	4.02	0.15	0.98	4.95	-0.38	0.30	7.13	-0.46	0.25	40.63	-0.02	0.42	
2RTVDA	1.83	-2.08	0.52	3.64	-1.55	0.26	6.01	-1.44	0.95	50.65	2.11	4.42	
37PMHB	4.73	0.88	1.44	6.30	0.83	1.02	8.37	0.64	0.86	40.65	-0.02	0.46	
3H6L47	4.28	0.42	0.17	5.05	-0.29	0.40	8.05	0.35	0.94	34.83	-1.26	0.26	
3MG8CD	3.31	-0.57	0.67	4.97	-0.36	0.26	7.09	-0.49	0.64	40.00	-0.16	0.81	
3QJ2GA	5.35	1.51	1.30	4.77	-0.54	1.10	6.74	-0.80	1.82	38.16	-0.55	0.35	
3VC8R7	3.41	-0.47	0.28	5.22	-0.14	0.17	7.47	-0.16	0.26	41.66	0.19	0.18	
67KPKK	6.93	3.12X	0.77	7.89	2.25	0.55	10.08	2.14	0.30	46.04	1.13	0.42	
6P2U7C	3.11	-0.77	1.96	4.56	-0.73	1.04	6.78	-0.76	2.27	42.13	0.29	0.76	
6U9LRV	3.63	-0.24	0.14	5.10	-0.25	0.20	7.20	-0.40	0.53	39.87	-0.19	0.70	
7FN7MB	3.87	0.00	0.76	5.83	0.41	0.58	8.93	1.13	0.44	47.87	1.51	0.67	
7X9XNV	4.16	0.29	0.01	5.58	0.19	0.02	9.94	2.01	0.01	37.57	-0.68	0.09	
8LTFD4	2.57	-1.33	0.38	4.87	-0.45	0.31	6.60	-0.92	0.64	40.83	0.02	0.10	
8P9ZCC	3.58	-0.30	0.65	5.09	-0.25	0.87	6.86	-0.69	0.36	38.80	-0.41	0.43	
8YWTN9	3.45	-0.43	0.37	5.02	-0.32	0.24	7.19	-0.40	0.34	37.87	-0.61	0.15	
D9FD98	5.00	1.15		6.33	0.86	1.17	9.00	1.19		36.67	-0.87	0.19	
DH64VY	3.56	-0.31	0.08	5.10	-0.24	0.24	7.28	-0.32	0.09	40.95	0.04	0.28	
E43VQP	3.88	0.01	0.13	5.31	-0.05	0.24	7.81	0.14	0.13	41.80	0.22	0.39	
EW63HV	4.77	0.91	1.30	6.74	1.23	0.94	7.63	-0.01	0.52	31.17	-2.04	0.10	
GR4XGM	4.30	0.44	0.48	6.79	1.27	0.81	9.43	1.56	1.94	52.63	2.53	0.19	
HDYRBV	3.56	-0.32	1.15	5.43	0.05	0.46	7.29	-0.32	0.53	41.05	0.06	0.31	
HRZQW7	4.01	0.14	0.31	6.38	0.90	0.46	8.46	0.72	0.58	42.40	0.35	0.18	
JBUL9U	4.17	0.31	0.71	6.16	0.70	0.33	7.38	-0.24	2.88	32.72	-1.71	3.18	
JHRBPY	3.21	-0.67	0.13	4.57	-0.72	0.03	6.44	-1.06	0.02	35.49	-1.12	0.10	
LWLKNN	3.53	-0.35	0.87	5.64	0.24	1.23	7.99	0.30	1.69	40.03	-0.15	0.59	
NEGRVL	4.58	0.73	0.83	6.23	0.77	0.56	8.22	0.50	1.18	41.39	0.14	1.15	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

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

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
NMNUTR	5.42	1.58	1.10	7.32	1.74	0.56	12.00	3.82X	0.94	44.50	0.80	1.09
NPET8P	2.77	-1.13	0.57	3.80	-1.41	0.93	7.67	0.01	0.80	39.57	-0.25	0.05
QA8T4C	4.38	0.52	0.65	5.90	0.47	0.66	8.21	0.49	0.20	43.44	0.57	0.32
QEKBLT	3.50	-0.38		5.00	-0.33		7.50	-0.13	1.53	40.60	-0.03	0.42
RFCRDF	5.00	1.15		6.40	0.92	0.20	8.07	0.37	0.10	41.00	0.05	0.34
RLHK8C	4.90	1.05		7.00	1.46		9.00	1.19		38.90	-0.39	
RLK63R	6.00	2.17		7.33	1.76	1.17	8.67	0.89	1.02	40.67	-0.02	0.70
TBGGH9	2.83	-1.06	1.28	4.10	-1.14	1.86	6.82	-0.73	0.87	47.82	1.51	0.42
TCB6YH	3.00	-0.89	3.51	4.50	-0.78	4.29	4.00	-3.21X	5.00	40.50	-0.05	0.24
UADE4N	3.89	0.02	0.18	6.01	0.57	0.25	8.47	0.72	0.36	43.72	0.63	0.82
UNJ8Y7	3.42	-0.46	0.06	5.01	-0.33	0.09	7.01	-0.57	0.10	32.43	-1.77	0.20
UPDVFQ	3.24	-0.65	0.02	5.14	-0.21	0.01	8.34	0.61	0.07	42.53	0.38	0.41
UZ94YJ	3.87	0.00	0.14	5.50	0.12	0.10	8.21	0.49	0.23	43.64	0.61	0.08
V24ATH	4.01	0.14	1.09	5.94	0.51	0.23	7.12	-0.46	0.48	36.52	-0.90	0.42
XAANXG	4.93	1.08	0.87	5.65	0.25	0.44	8.33	0.60	1.33	42.33	0.34	0.84
YQBX8F	3.33	-0.55	1.43	5.00	-0.33	2.02	7.00	-0.57		48.33	1.61	1.40

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

	SRB1805	SRB1806	SRB1807	SRB1808
Grand Median	3.87	5.37	7.65	40.8
Median Abs Dev	0.51	0.54	0.65	1.9
Avg Within Lab SD	0.40	0.49	0.57	3.0
Labs Included	41	42	40	42
Labs Reporting	42	42	42	42



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mo (SubTestCode 224) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2RTVDA	0.97	6.09X	2.05	0.70	1.75	0.62	0.53	0.40	0.27	4.92	5.10X	1.25	
37PMHB	0.27	0.81	0.06	0.62	1.24	0.32	0.57	0.61	0.18	2.78	0.15	0.48	
3MG8CD	0.11	-0.34	0.10	0.42	-0.13	0.12	0.43	-0.21	0.09	3.07	0.84	0.53	
3QJ2GA	0.06	-0.68	0.08	0.47	0.21	0.17	0.35	-0.67	0.49	2.49	-0.51	0.27	
6U9LRV										2.77	0.13	0.72	
8P9ZCC										2.25	-1.06	0.26	
8YWTN9	0.12	-0.29	0.04	0.42	-0.13	0.05	0.44	-0.10	0.12	2.71	0.00	0.14	
DH64VY	0.10	-0.41	0.00	0.40	-0.30	0.03	0.38	-0.50	0.05	2.50	-0.48	0.24	
E43VQP	0.15	-0.06	0.02	0.48	0.26	0.05	0.51	0.25	0.09	3.03	0.75	0.16	
GR4XGM	0.48	2.39	0.51	0.60	1.06	0.65	0.84	2.18	0.11	3.22	1.17	0.31	
HRZQW7	0.17	0.12	0.19	0.42	-0.18	0.07	0.39	-0.44	0.24	2.44	-0.62	0.14	
JBUL9U	0.37	1.58	1.06	0.44	0.00	0.32	0.66	1.18	0.31	2.50	-0.49	1.72	
QA8T4C	0.16	0.06	3.25	0.93	3.32	3.45	0.63	1.00	3.63	3.50	1.83	3.38	
RLK63R	0.30	1.08	0.00	0.43	-0.06	0.24	0.37	-0.56	0.40	2.40	-0.71	0.35	
UADE4N										3.22	1.17	0.82	
UNJ8Y7	0.12	-0.27	0.00	0.42	-0.13	0.02	0.48	0.10	0.19	2.27	-1.01	0.30	
UZ94YJ										2.82	0.26	0.39	
V24ATH							0.25	-1.25	0.33	2.59	-0.28	0.44	

Mo (SubTestCode 224) in the Wet Digestion Property Groups												Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	0.16			0.44			0.46			2.71			
Median Abs Dev	0.05			0.03			0.09			0.27			
Avg Within Lab SD	0.11			0.24			0.14			0.29			
Labs Included	12			13			14			17			
Labs Reporting	13			13			14			18			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

P (SubTestCode 225) in the Dry Ash Property Groups													Data units: Percent
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2GC949	0.07	-0.12	0.00	0.13	0.00	0.20	0.33	0.02	0.00	0.25	0.00		
DH64VY	0.07	0.00	1.42	0.13	-0.11	0.40	0.32	-0.96	0.71	0.25	-0.08	0.39	
FJQPFL	0.06	-1.42	0.96	0.12	-1.49	0.67	0.30	-2.10	1.67	0.24	-1.46	1.21	
TNLTVM	0.07	0.43	0.00	0.14	0.62	2.01	0.33	0.29	1.12	0.26	0.78	1.45	
XE6F7E	0.07	1.40	1.44	0.14	1.16	0.56	0.33	0.00	0.67	0.26	1.05	0.52	

P (SubTestCode 225) in the Dry Ash Property Groups					Data units: Percent
	SRB1805	SRB1806	SRB1807	SRB1808	
Grand Median	0.068	0.13	0.33	0.25	
Median Abs Dev	0.002	0.00	0.00	0.01	
Avg Within Lab SD	0.000	0.00	0.01	0.00	
Labs Included	5	5	5	5	
Labs Reporting	5	5	5	5	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K (SubTestCode 226) in the Dry Ash Property Groups

Data units: Percent

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2GC949	0.91	0.03	0.13	0.90	-0.09	0.00	9.92	0.52	0.40	2.28	0.09	0.18
DH64VY	0.90	-0.03	0.21	0.89	-0.31	0.09	9.51	-0.32	2.13	2.26	-0.09	0.56
EDTFU3	0.79	-1.85	2.41	0.91	0.09	2.39	9.69	0.06	0.12	2.30	0.29	2.14
FJQPFL	0.81	-1.54	0.03	0.80	-1.52	0.22	8.35	-2.65	0.71	2.08	-1.84	0.17
TNLTVM	0.93	0.46	0.34	0.95	0.68	0.21	9.64	-0.06	0.85	2.41	1.31	0.73
XE6F7E	0.91	0.15	0.13	1.00	1.37	0.45	9.89	0.45	0.25	2.23	-0.43	0.73

K (SubTestCode 226) in the Dry Ash Property Groups

Data units: Percent

	SRB1805	SRB1806	SRB1807	SRB1808
Grand Median	0.91	0.91	9.66	2.27
Median Abs Dev	0.02	0.03	0.19	0.04
Avg Within Lab SD	0.05	0.03	0.19	0.06
Labs Included	6	6	6	6
Labs Reporting	6	6	6	6



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca (SubTestCode 227) in the Dry Ash Property Groups													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2GC949	1.58	-0.53	0.18	3.20	-0.14	0.00	1.66	0.00	0.22	1.57	-0.43	0.32		
DH64VY	1.74	0.54	0.53	3.32	0.45	1.08	1.66	0.00	1.80	1.73	0.43	0.88		
EDTFU3	1.59	-0.48	2.34	3.13	-0.46	1.32	1.51	-0.91	0.24	1.41	-1.29	1.42		
FJQPFL	1.50	-1.08	0.31	2.88	-1.70	1.33	1.48	-1.11	1.37	1.56	-0.49	0.77		
TNLTVM	1.73	0.48	0.32	3.46	1.17	0.71	1.87	1.26	0.22	1.75	0.59	1.39		
XE6F7E	1.80	0.94	0.18	3.25	0.14	0.91	1.79	0.76	0.86	1.79	0.80	0.74		

Ca (SubTestCode 227) in the Dry Ash Property Groups													Data units: Percent	
	SRB1805			SRB1806			SRB1807			SRB1808				
Grand Median	1.66			3.23			1.66			1.65				
Median Abs Dev	0.08			0.09			0.14			0.10				
Avg Within Lab SD	0.07			0.06			0.03			0.02				
Labs Included	6			6			6			6				
Labs Reporting	6			6			6			6				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg (SubTestCode 228) in the Dry Ash Property Groups													Data units: Percent	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2GC949	0.27	-0.13	0.00	0.31	-0.51	0.00	0.70	0.25	0.45	0.33	-0.26	0.00		
DH64VY	0.30	1.17	0.39	0.34	1.45	0.23	0.70	0.34	0.71	0.35	1.66	0.29		
EDTFU3	0.23	-1.90	2.11	0.31	-0.24	2.32	0.68	-0.25	1.56	0.33	-0.55	2.18		
FJQPFL	0.26	-0.54	0.27	0.30	-1.35	0.08	0.64	-1.62	1.08	0.32	-0.73	0.19		
TNLTVM	0.28	0.18	0.95	0.32	0.24	0.00	0.72	1.03	0.77	0.34	0.26	0.95		
XE6F7E	0.28	0.13	0.65	0.32	0.26	0.75	0.67	-0.56	1.05	0.34	0.59	0.48		
Mg (SubTestCode 228) in the Dry Ash Property Groups													Data units: Percent	
	SRB1805			SRB1806			SRB1807			SRB1808				
Grand Median	0.27			0.32			0.69			0.33				
Median Abs Dev	0.01			0.01			0.01			0.01				
Avg Within Lab SD	0.01			0.01			0.01			0.01				
Labs Included	6			6			6			6				
Labs Reporting	6			6			6			6				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na (SubTestCode 229) in the Dry Ash Property Groups													Data units: Percent
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2GC949	0.033	0.730	0.698	0.069	0.356	0.153	0.072	-0.035	0.114	0.145	0.051	0.523	
DH64VY	0.035	1.476	1.512	0.079	1.113	0.596	0.072	0.035	0.426	0.165	1.039	0.762	
EDTFU3	0.028	-0.535	1.701	0.060	-0.364	2.367	0.081	1.193	2.030	0.149	0.219	0.416	
FJQPFL	0.030	-0.021	0.261	0.060	-0.356	0.121	0.066	-0.713	0.409	0.125	-1.013	0.188	
TNLTVM	0.030	0.021	0.000	0.070	0.409	0.000	0.063	-1.086	1.139	0.143	-0.051	1.975	
XE6F7E	0.025	-1.264	0.513	0.047	-1.450	0.038	0.080	0.984	0.468	0.112	-1.674	1.018	

Na (SubTestCode 229) in the Dry Ash Property Groups					Data units: Percent
	SRB1805	SRB1806	SRB1807	SRB1808	
Grand Median	0.030	0.065	0.072	0.14	
Median Abs Dev	0.002	0.005	0.007	0.01	
Avg Within Lab SD	0.001	0.004	0.005	0.00	
Labs Included	6	6	6	6	
Labs Reporting	6	6	6	6	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

AI (SubTestCode 230) in the Dry Ash Property Groups										Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
DH64VY	414.3		0.2	152.2		0.2	169.8		0.9	804.1	0.7
RR4HXK	535.6		1.4	170.9		1.4	179.0		1.1	957.8	1.2
AI (SubTestCode 230) in the Dry Ash Property Groups										Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808	
Grand Median	475.0			161.5			174.4			881.0	
Median Abs Dev											
Avg Within Lab SD	35.7			5.8			2.4			51.1	
Labs Included	2			2			2			2	
Labs Reporting	2			2			2			2	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2GC949	177.0	0.2		46.0	-0.6		35.3	-0.4	0.3	35.3	-0.7	0.5
DH64VY	187.8	0.6	2.1	48.9	0.0	1.1	36.6	-0.2	0.8	40.0	0.3	0.6
EDTFU3	85.5	-2.9	1.1	49.7	0.2	2.2	43.0	0.8	1.1	37.2	-0.3	2.3
EW63HV	171.0	0.0	0.8	50.7	0.5	0.0	44.6	1.1	2.3	44.2	1.1	0.4
FJQPFL	128.7	-1.5	0.2	35.1	-3.0	0.3	27.5	-1.7	0.2	29.3	-1.9	0.5
RR4HXK	177.1	0.2	0.6	48.1	-0.1	0.5	37.4	-0.1	0.6	38.2	-0.1	0.9
TNLTVM	170.3	0.0	0.2	52.7	0.9	0.4	43.3	0.9	0.3	43.0	0.9	
XE6F7E	171.7	0.0	0.5	48.5	0.0	0.5	38.6	0.1	0.3	39.1	0.1	0.5

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

	SRB1805	SRB1806	SRB1807	SRB1808
Grand Median	171.4	48.7	38.0	38.6
Median Abs Dev	5.7	1.5	3.8	2.4
Avg Within Lab SD	2.9	1.5	2.1	1.1
Labs Included	8	8	8	8
Labs Reporting	8	8	8	8



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Zn (SubTestCode 232) in the Dry Ash Property Groups													Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2GC949	13.1	0.4	0.4	11.2	0.3	0.6	40.0	0.4	1.0	27.7	0.5	0.7		
DH64VY	11.4	-0.2	0.4	9.7	-0.3	0.5	30.0	-0.7	1.1	23.9	-0.4	0.8		
EDTFU3	18.1	2.2	2.2	15.7	2.1	1.8	43.8	0.9	0.8	31.8	1.4	2.0		
FJQPFL	8.6	-1.2	0.1	7.3	-1.3	0.8	24.1	-1.4	0.8	18.8	-1.5	0.6		
TNLTVM	12.0	0.0		10.3	0.0	1.0	38.7	0.3	1.2	26.3	0.2	0.7		
XE6F7E	12.0	0.0	0.0	10.5	0.0	0.6	33.8	-0.3	1.1	24.9	-0.2	0.2		

Zn (SubTestCode 232) in the Dry Ash Property Groups													Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808				
Grand Median	12.0			10.4			36.2			25.6				
Median Abs Dev	0.9			0.7			5.0			1.9				
Avg Within Lab SD	1.1			0.6			0.5			0.9				
Labs Included	6			6			6			6				
Labs Reporting	6			6			6			6				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mn (SubTestCode 233) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2GC949	104.3	0.1	0.2	32.0	0.0		63.0	0.0		49.0	0.1		
DH64VY	110.9	0.5	0.8	32.4	0.1	0.6	62.7	0.0	0.6	49.8	0.2	0.5	
EDTFU3	137.5	1.9	2.2	47.9	2.4	2.0	89.6	2.4	1.8	70.5	2.1	2.1	
FJQPFL	82.8	-1.0	0.4	23.6	-1.2	0.1	45.0	-1.5	0.5	35.9	-1.1	0.4	
TNLTVM	94.7	-0.4	0.2	29.7	-0.3	0.6	62.3	0.0	0.9	43.7	-0.4	0.5	
XE6F7E	98.7	-0.1	0.6	31.9	0.0	0.6	61.4	-0.1	0.5	46.7	-0.1	0.2	

Mn (SubTestCode 233) in the Dry Ash Property Groups												Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808			
Grand Median	101.5			32.0			62.5			47.9			
Median Abs Dev	8.1			1.4			0.8			3.1			
Avg Within Lab SD	3.5			1.0			1.6			1.2			
Labs Included	6			6			6			6			
Labs Reporting	6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Fe (SubTestCode 234) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2GC949	433.3	0.2	0.3	164.7	0.3	0.3	159.3	0.0	0.0	763.0	0.5	0.4	
DH64VY	453.4	0.3	0.2	169.2	0.3	0.1	162.8	0.0	0.1	637.6	0.1	1.4	
EDTFU3	791.7	2.4	0.9	289.9	2.3	1.4	296.9	2.7	2.2	1,514.3	2.9	1.6	
FJQPFL	317.5	-0.5	0.1	116.3	-0.5	0.0	119.5	-0.8	0.1	550.8	-0.2	0.1	
TNLTVM	346.7	-0.3	0.5	129.7	-0.3	0.2	159.7	0.0	0.3	534.7	-0.3	1.0	
XE6F7E	368.0	-0.2	2.2	133.6	-0.3	2.0	180.9	0.4	1.1	601.9	-0.1	0.2	

Fe (SubTestCode 234) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	400.7	149.1	161.3	619.7		
Median Abs Dev	53.3	19.8	10.8	77.0		
Avg Within Lab SD	24.8	6.8	12.0	22.9		
Labs Included	6	6	6	6		
Labs Reporting	6	6	6	6		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cu (SubTestCode 235) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2GC949	3.78	-0.08	0.23	5.40	0.05	0.18	7.73	0.09	0.32	38.27	0.24	0.34	
DH64VY	3.64	-0.28	1.12	5.32	-0.05	1.19	6.89	-0.74	0.72	37.65	0.08	0.55	
EDTFU3	5.39	2.19	1.38	6.71	1.68	0.38	8.67	1.03	1.35	40.25	0.75	0.10	
FJQPFL	3.40	-0.63	0.22	4.85	-0.63	0.28	7.54	-0.09	1.83	37.00	-0.08	2.32	
TNLTVM	3.90	0.08	0.58	5.03	-0.40	0.68	5.97	-1.65	0.43	33.67	-0.94	0.42	
XE6F7E	4.39	0.78	1.55	6.35	1.23	1.97	8.08	0.44	0.07	29.72	-1.95	0.15	

Cu (SubTestCode 235) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	3.84	5.36	7.63	37.3		
Median Abs Dev	0.32	0.42	0.59	1.9		
Avg Within Lab SD	0.30	0.34	0.36	2.2		
Labs Included	6	6	6	6		
Labs Reporting	6	6	6	6		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mo (SubTestCode 236) in the Dry Ash Property Groups										Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
DH64VY	0.09		0.02	0.36		0.25	0.29		0.08	2.08	1.14
EW63HV	2.84		1.41	1.13		1.39	0.95		1.41	8.56	0.83
Mo (SubTestCode 236) in the Dry Ash Property Groups										Data units: mg/kg	
	SRB1805			SRB1806			SRB1807			SRB1808	
Grand Median	1.47			0.74			0.62			5.32	
Median Abs Dev											
Avg Within Lab SD	0.04			0.03			0.06			0.08	
Labs Included	2			2			2			2	
Labs Reporting	2			2			2			2	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

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

WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
37PMHB	0.54	0.95	0.70	0.51	2.39	0.26	0.37	0.67	0.62	0.63	1.38	2.40
3MG8CD	0.30	-0.51	0.59	0.26	-0.08	0.19	0.20	-0.02	2.09	0.31	-0.11	0.11
8YWTN9	0.32	-0.40	0.26	0.27	-0.03	0.22	0.16	-0.17	0.14	0.34	0.00	0.63
E43VQP	0.43	0.27	0.18	0.31	0.42	0.14	0.20	0.00	0.03	0.45	0.56	0.22
GR4XGM							0.87	2.64	1.41	0.02	-1.49	0.09
HRZQW7	0.51	0.79	1.69	0.44	1.72	2.60	0.48	1.10	1.37	0.18	-0.74	1.17
UNJ8Y7	0.34	-0.29	0.20	0.27	0.00	0.05	0.16	-0.16	0.15	0.28	-0.27	0.38
UZ94YJ	0.69	1.91	2.00				0.51	1.23	0.58	0.59	1.22	0.98
V24ATH	0.34	-0.27	0.41	0.26	-0.08	0.25	0.18	-0.08	0.14	0.40	0.29	0.55

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

	SRB1805	SRB1806	SRB1807	SRB1808
Grand Median	0.39	0.27	0.20	0.34
Median Abs Dev	0.07	0.01	0.04	0.12
Avg Within Lab SD	0.03	0.04	0.04	0.05
Labs Included	8	7	9	9
Labs Reporting	8	7	9	9



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ba (SubTestCode 238) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
37PMHB	17.0	-0.4	0.6	28.2	-0.2	0.1	54.5	-0.8	0.4	46.4	-0.4	1.2	
3MG8CD	19.2	1.6	2.3	32.2	2.0	2.2	66.1	1.1	0.6	55.0	1.3	1.0	
6U9LRV	17.2	-0.2	0.4	27.3	-0.7	1.0	56.8	-0.4	2.1	46.9	-0.3	1.3	
8YWTN9	17.5	0.0	0.7	28.7	0.1	1.1	60.0	0.1	0.6	48.3	0.0	0.3	
E43VQP	17.4	0.0	0.4	29.3	0.4	0.6	65.9	1.1	0.8	51.1	0.5	0.7	
GR4XGM	11.4	-5.4X	1.1	16.0	-7.0X	0.6	31.7	-4.5X	1.4	28.8	-3.9X	0.2	
HRZQW7	17.2	-0.2	0.3	28.4	-0.1	0.3	56.2	-0.5	0.2	48.7	0.0	0.2	
UADE4N	19.3	1.7	0.4	32.2	2.0	0.3	64.8	0.9	0.4	51.6	0.6	1.5	
UNJ8Y7	16.8	-0.5	0.5	28.4	-0.1	0.1	58.6	-0.1	0.5	40.3	-1.6	0.9	
UZ94YJ	18.0	0.5	1.5	27.3	-0.7	0.2	51.4	-1.3	0.4	44.3	-0.8	0.1	
V24ATH	19.1	1.5	0.9	29.3	0.4	1.5	62.4	0.5	1.9	53.8	1.0	1.5	

Ba (SubTestCode 238) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	17.4	28.6	59.3	48.5		
Median Abs Dev	0.5	0.8	3.9	2.8		
Avg Within Lab SD	0.6	0.8	1.5	1.9		
Labs Included	10	10	10	10		
Labs Reporting	11	11	11	11		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Cd (SubTestCode 239) in the Heavy Metals Property Groups												Data units: mg/kg
WebCode	SRB1805			SRB1806			SRB1807			SRB1808		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
37PMHB							1.250	-1.116	1.521	0.294	8.937X	
3MG8CD	0.059	0.000	0.477				1.410	0.130	0.775	0.093	-0.477	0.244
6U9LRV							1.433	0.311	1.242			
8YWTN9	0.064	0.241	0.670	0.011		0.516	1.413	0.156	0.691	0.124	0.962	0.885
E43VQP	0.058	-0.053	0.016	0.010		0.157	1.290	-0.804	0.215	0.091	-0.593	0.435
GR4XGM	0.038	-1.041	0.238				0.695	-5.437X	1.096	0.112	0.378	1.192
HRZQW7	0.036	-1.159	2.255	0.011		0.000	1.234	-1.239	0.265	0.073	-1.444	1.299
UADE4N							1.543	1.161	2.000			
UNJ8Y7	0.060	0.050	0.631				1.377	-0.130	0.329	0.097	-0.321	0.358
UZ94YJ	0.103	2.178	0.885	0.037	X	2.285	1.411	0.135	0.174	0.123	0.900	1.821
V24ATH	0.540	23.989X	1.946	0.012		1.926	1.192	-1.564	0.900	0.110	0.321	0.646

Cd (SubTestCode 239) in the Heavy Metals Property Groups												Data units: mg/kg
	SRB1805			SRB1806			SRB1807			SRB1808		
Grand Median	0.059			0.011			1.39			0.10		
Median Abs Dev	0.005						0.07			0.01		
Avg Within Lab SD	0.007			0.001			0.05			0.01		
Labs Included	7			4			10			8		
Labs Reporting	8			5			11			9		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Co (SubTestCode 240) in the Heavy Metals Property Groups												Data units: mg/kg		
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2RTVDA	0.27	-0.13	2.93	0.03	-1.59	1.46	0.83	2.07	2.33	4.21	3.00	3.27		
37PMHB	0.28	0.13					0.75	1.22		0.85	-1.49			
3MG8CD	0.26	-0.26	0.22	0.11	0.02	0.34	0.63	-0.05	1.23	1.92	-0.06	0.13		
6U9LRV										1.83	-0.18	0.11		
8YWTN9	0.26	-0.26	0.12	0.10	-0.08	0.35	0.60	-0.33	0.43	1.88	-0.13	0.02		
E43VQP	0.29	0.24	0.07	0.11	0.00	0.19	0.65	0.19	0.42	2.42	0.60	0.41		
GR4XGM	0.14	-2.23	0.35	0.03	-1.68	0.54	0.29	-3.61X	0.55	1.30	-0.89	0.19		
HRZQW7	0.38	1.68	0.23	0.14	0.76	0.00	0.59	-0.47	0.36	2.02	0.06	0.18		
UADE4N							0.64	0.05	0.94	2.16	0.26	0.16		
UNJ8Y7	0.25	-0.34	0.12	0.10	-0.11		0.58	-0.51	0.38	1.61	-0.49	0.07		
UZ94YJ	0.31	0.59	0.22	0.15	0.92	0.73	0.55	-0.82	0.33	2.13	0.21	0.09		
V24ATH	0.33	0.89	0.29	0.15	0.90	2.18	0.73	1.02	0.68	2.51	0.72	0.06		

Co (SubTestCode 240) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	0.27	0.11	0.63	1.97		
Median Abs Dev	0.02	0.04	0.05	0.28		
Avg Within Lab SD	0.05	0.01	0.12	1.08		
Labs Included	10	9	10	12		
Labs Reporting	10	9	11	12		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ni (SubTestCode 241) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2RTVDA	2.76	0.29	0.45	0.32	-0.79	2.40	2.91	0.18	0.12	1.62	0.09	1.62	
37PMHB	2.63	-0.27	1.35				3.83	1.22	1.49	1.56	-0.08	2.40	
3MG8CD	2.64	-0.20	1.03	0.44	0.41	0.62	5.24	2.79	2.89	1.96	1.14	0.22	
6U9LRV	2.73	0.18	0.32				2.73	-0.02	0.18	1.60	0.04	0.73	
8YWTN9	2.54	-0.65	0.61	0.39	-0.11	0.00	2.72	-0.04	0.07	1.98	1.18	0.31	
E43VQP	2.79	0.41	0.30	0.41	0.04	0.21	3.23	0.54	0.36	1.59	0.00	0.17	
GR4XGM	1.70	-4.23	0.95	0.15	-2.44	0.56	1.55	-1.35	0.31	0.84	-2.26	0.08	
HRZQW7	2.69	0.00	0.45	0.51	1.10	0.81	2.74	-0.02	0.08	1.59	0.00	0.04	
UADE4N	2.84	0.63	2.42				3.80	1.18	0.33	1.92	0.99	1.36	
UNJ8Y7	2.61	-0.34	0.14	0.40	-0.04	0.17	2.67	-0.09	0.10	1.22	-1.11	0.19	
UZ94YJ	2.74	0.22	0.62	0.45	0.47	0.90	2.75	0.00	0.17	1.41	-0.53	0.08	

Ni (SubTestCode 241) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1805	SRB1806	SRB1807	SRB1808		
Grand Median	2.69	0.40	2.75	1.59		
Median Abs Dev	0.07	0.05	0.16	0.17		
Avg Within Lab SD	0.18	0.03	0.84	0.28		
Labs Included	11	8	11	11		
Labs Reporting	11	8	11	11		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Pb (SubTestCode 242) in the Heavy Metals Property Groups													Data units: mg/kg	
WebCode	SRB1805			SRB1806			SRB1807			SRB1808				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3MG8CD	1.15	0.13	1.87	0.31	-0.13	0.11	0.28	-0.11	0.09	0.67	0.01	0.30		
6U9LRV	1.07	-0.03	0.49											
8YWVN9	1.07	-0.02	0.45	0.32	0.00	0.98	0.28	-0.12	0.08	0.62	-0.17	0.16		
E43VQP	1.09	0.02	0.47	0.33	0.08	0.51	0.25	-0.23	0.02	0.67	0.00	0.58		
GR4XGM	0.31	-1.55	0.51											
HRZQW7	1.06	-0.05	0.92	0.31	-0.12	2.03	0.34	0.11	0.26	0.62	-0.17	1.19		
UADE4N	2.44	2.74												
UNJ8Y7	1.06	-0.03	0.18	0.31	-0.15	0.45	0.79	1.87	2.43	0.55	-0.39	0.22		
UZ94YJ	1.78	1.40	1.42	0.59	2.85	1.08	0.72	1.61	0.19	1.59	3.20	1.50		
V24ATH	1.46	0.77	1.30	0.45	1.40	0.52				0.89	0.79	1.68		

Pb (SubTestCode 242) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1805		SRB1806		SRB1807	
Grand Median	1.08		0.32		0.31	
Median Abs Dev	0.05		0.01		0.04	
Avg Within Lab SD	0.12		0.03		0.37	
Labs Included	10		7		6	
Labs Reporting	10		7		6	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Sr (SubTestCode 243) in the Heavy Metals Property Groups													Data units: mg/kg
WebCode	SRB1805			SRB1806			SRB1807			SRB1808			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
37PMHB	124.8	-1.2	0.7	279.3	-1.1	0.3	63.9	-1.0	0.2	139.4	-0.7	1.1	
3MG8CD	142.7	0.1	1.9	314.3	0.2	1.8	79.1	0.4	0.7	162.0	0.5	0.3	
6U9LRV	144.7	0.2	0.4	307.3	0.0	1.1	73.0	-0.2	0.9	159.3	0.3	1.7	
8YWTN9	134.0	-0.6	1.3	294.7	-0.5	0.9	72.3	-0.2	0.6	147.0	-0.3	0.3	
E43VQP	151.0	0.7	0.3	310.0	0.0	0.6	87.0	1.1	0.6	178.3	1.4	0.7	
HRZQW7	140.9	-0.1	0.4	320.2	0.4	0.1	70.4	-0.4	0.0	152.9	0.0	0.3	
UADE4N	158.0	1.2	0.5	345.8	1.4	0.6	79.6	0.4	0.3	165.8	0.7	1.8	
UNJ8Y7	137.0	-0.4	0.6	297.0	-0.4	0.7	76.9	0.2	2.0	128.0	-1.3	0.9	
UZ94YJ	134.3	-0.6	0.0	273.5	-1.3	0.2	60.6	-1.3	0.2	137.5	-0.8	0.2	
V24ATH	166.5	1.8	1.9	344.4	1.3	1.9	93.1	1.6	1.9				

Sr (SubTestCode 243) in the Heavy Metals Property Groups					Data units: mg/kg
	SRB1805		SRB1806		SRB1808
Grand Median	141.8		308.7		152.9
Median Abs Dev	7.6		12.8		12.8
Avg Within Lab SD	3.4		6.4		5.0
Labs Included	10		10		9
Labs Reporting	10		10		9





ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PH (SubTestCode 301)											Data units:
WebCode	SRW1804			SRW1805			SRW1806				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3QJ2GA	7.73	0.00	0.08	7.78	-0.10	0.23	8.61	0.00	0.60		
8P9ZCC	8.06	0.86	0.08	8.35	1.62	0.35	8.68	0.68	0.72		
EDTFU3	7.40	-0.85	0.18	7.48	-1.01	0.17	8.54	-0.75	0.25		
GR4XGM	7.88	0.38	0.09	7.98	0.49	0.31	8.69	0.85	0.34		
HC3JWJ	7.55	-0.46	0.14	7.81	0.00	0.36	8.67	0.58	0.13		
HDYRBV	8.11	0.97	0.12	7.98	0.49	0.52	8.68	0.71	0.39		
HRZQW7	7.77	0.10	0.00	7.75	-0.19		8.47	-1.43	0.00		
LWLKNN	7.58	-0.38	0.27	7.78	-0.09	0.18	8.71	1.02	2.34		
NMNUTR	8.08	0.89	0.30	8.08	0.81	1.52	8.53	-0.85	1.69		
QA8T4C	8.59	2.22	3.96	8.26	1.34	3.16	8.61	0.00	1.70		
RR4HXK	7.80	0.18	0.40	8.39	1.73	0.24	8.66	0.54	0.65		
TBGGH9	7.63	-0.25	0.88	7.66	-0.45	1.54	8.54	-0.71	0.78		
TN4NEA	7.24	-1.27	0.05	7.47	-1.05	0.04	8.52	-0.88	0.57		
TNLTVM	7.98	0.65	0.07	7.95	0.40	0.04	8.60	-0.07	1.04		
UADE4N	7.71	-0.06	0.28	8.21	1.19	0.50	8.71	0.99	1.06		
XAANXG	7.35	-0.98	0.00	7.71	-0.30	0.12	8.65	0.37	0.57		
YQBX8F	7.36	-0.96	0.14	7.75	-0.19	0.51	8.51	-1.02	0.81		
PH (SubTestCode 301)											Data units:
	SRW1804			SRW1805			SRW1806				
Grand Median	7.73			7.81			8.61				
Median Abs Dev	0.25			0.16			0.07				
Avg Within Lab SD	0.25			0.13			0.04				
Labs Included	17			17			17				
Labs Reporting	17			17			17				



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

EC (SubTestCode 302)

Data units: dS/m

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.32	1.62	0.31	0.52	2.10	0.15	11.79	1.41	0.18
8P9ZCC	0.32	1.82	0.00	0.52	1.88	0.06	11.53	1.11	0.16
EDTFU3	0.29	0.00	0.16	0.46	-0.34	0.10	13.95	4.02X	0.36
GR4XGM	0.28	-0.75	0.12	0.45	-0.76	0.56	10.10	-0.62	1.48
HC3JWJ	0.30	0.39	0.07	0.48	0.39	0.04	10.83	0.25	0.04
HDYRBV	0.26	-2.14	1.42	0.38	-3.38X	0.04	9.58	-1.25	0.54
HRZQW7	0.30	0.25	0.07	0.47	0.04	0.04	10.64	0.02	0.10
LWLKNN	0.30	0.47	0.00	0.48	0.37	0.00	10.77	0.19	0.37
NMNUTR	0.29	0.02	0.52	0.47	0.07	0.47	10.59	-0.03	1.17
QA8T4C	0.28	-1.00	3.53	0.43	-1.54	3.55	10.27	-0.42	3.27
RR4HXK	0.30	0.47	0.00	0.47	0.10	0.42	12.74	2.56	0.41
TBGGH9	0.28	-0.73	0.72	0.46	-0.39	0.56	10.83	0.25	0.43
TN4NEA	0.29	-0.28	0.05	0.46	-0.25	0.04	10.18	-0.52	0.14
TNLTVM	0.31	1.08	0.00	0.50	1.15		11.01	0.47	0.19
UADE4N	0.29	-0.06	0.19	0.46	-0.30	0.13	10.53	-0.11	0.37
XAANXG	0.29	-0.24	0.07	0.47	-0.04	0.30	10.60	-0.02	0.21
YQBX8F	0.29	-0.14	1.24	0.44	-1.07	1.12	9.34	-1.55	0.80

EC (SubTestCode 302)

Data units: dS/m

	SRW1804	SRW1805	SRW1806
Grand Median	0.29	0.47	10.6
Median Abs Dev	0.01	0.01	0.4
Avg Within Lab SD	0.01	0.01	0.1
Labs Included	17	16	16
Labs Reporting	17	17	17



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Ca (SubTestCode 303) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW1804			SRW1805			SRW1806			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3QJ2GA	1.34	0.57	0.18	2.47	0.54	0.17	0.16	0.39	0.21	
8P9ZCC	0.77	-2.29	0.14	1.44	-2.11	0.03	0.09	-0.50	1.02	
EDTFU3	1.10	-0.67	0.19	1.86	-1.04	0.15	0.20	0.80	0.58	
GR4XGM	1.39	0.81	0.48	2.58	0.83	0.15				
HDYRBV	0.91	-1.62	0.08	1.65	-1.57	0.26	0.11	-0.21	0.29	
HRZQW7	1.32	0.44	0.11	2.21	-0.14	0.07	0.17	0.45	0.23	
LWLKNN	1.28	0.24	0.57	2.39	0.32	0.68	0.71	6.48X	26.53	
NMNUTR	1.40	0.87	0.26	2.52	0.66	0.39	0.13	-0.02	0.60	
QA8T4C	0.92	-1.55	3.01	1.74	-1.35	3.31	0.11	-0.19	0.23	
RR4HXK	1.19	-0.19	0.67	2.36	0.26	0.35	0.10	-0.33	1.52	
TBGGH9	1.33	0.51	2.02	2.57	0.78	1.07	0.21	0.85	2.67	
TNLTVM	1.17	-0.31	0.64	2.10	-0.42	1.26	0.50	4.17		
UADE4N	1.23	0.00	0.06	2.24	-0.05	0.05	0.11	-0.23	0.20	
XAANXG	1.23	0.00	0.08	2.26	0.00	0.28	0.19	0.63	0.51	
YQBX8F	1.22	-0.03	0.52	2.28	0.05	0.61	0.13	0.00	0.50	

Ca (SubTestCode 303) in the Cations Property Groups										Data units: mmolc/L
	SRW1804			SRW1805			SRW1806			
Grand Median	1.23			2.26			0.13			
Median Abs Dev	0.10			0.21			0.03			
Avg Within Lab SD	0.09			0.14			0.02			
Labs Included	15			15			13			
Labs Reporting	15			15			14			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Mg (SubTestCode 304) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW1804			SRW1805			SRW1806			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3QJ2GA	0.43	0.90	0.35	2.59	0.79	0.28	0.14	0.65	0.13	
8P9ZCC	0.32	-1.17	0.31	2.03	-1.07	0.47	0.11	-0.19	0.69	
EDTFU3	0.36	-0.49	0.17	2.13	-0.73	0.56	0.16	1.04	0.11	
GR4XGM	0.38	0.01	0.26	2.59	0.81	0.26	0.07	-1.01	0.00	
HDYRBV	0.30	-1.56	0.46	1.75	-1.99	0.41	0.07	-0.97	0.24	
HRZQW7	0.42	0.72	0.11	2.41	0.22	0.19	0.14	0.60	0.07	
LWLKNN	0.41	0.55	0.00	2.35	-0.01	0.15	0.45	7.53X	8.41	
NMNUTR	0.46	1.62	0.57	2.79	1.48	0.26	0.13	0.27	0.13	
QA8T4C	0.38	-0.09	0.82	2.39	0.12	1.10	0.12	0.15	0.04	
RR4HXK	0.37	-0.22	0.18	2.29	-0.21	2.54	0.09	-0.53	0.45	
TBGGH9	0.44	1.08	2.43	2.62	0.91	1.35	0.13	0.37	0.85	
TNLTVM	0.37	-0.32	2.63	2.20	-0.49	1.26	0.23	2.63	2.69	
UADE4N	0.38	0.00	0.02	2.35	0.00	0.04	0.10	-0.32	0.04	
XAANXG	0.38	-0.09	0.37	2.35	-0.01	1.02	0.11	-0.15	2.29	
YQBX8F	0.45	1.29	0.70	2.73	1.28	1.39	0.09	-0.56	0.00	

Mg (SubTestCode 304) in the Cations Property Groups										Data units: mmolc/L
	SRW1804			SRW1805			SRW1806			
Grand Median	0.38			2.35			0.12			
Median Abs Dev	0.03			0.22			0.02			
Avg Within Lab SD	0.02			0.08			0.02			
Labs Included	15			15			14			
Labs Reporting	15			15			15			



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Na (SubTestCode 305) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	1.21	1.08	0.23	0.43	1.25	0.57	142.25	0.26	0.40
8P9ZCC	0.89	-2.02	0.06	0.32	-1.54	0.51	35.90	-1.95	0.39
EDTFU3	1.05	-0.46	0.29	0.38	-0.16	0.69	34.63	-1.98	0.09
GR4XGM	1.10	0.03	0.52	0.38	-0.17	0.29	142.30	0.26	0.46
HDYRBV	0.96	-1.29	0.20	0.33	-1.41	0.35	25.75	-2.16	0.73
HRZQW7	1.13	0.33	0.14	0.40	0.48	0.10	135.60	0.12	0.16
LWLKNN	1.10	0.06	0.82	0.41	0.60	0.76	128.40	-0.03	2.24
NMNUTR	1.10	0.06	3.12	0.41	0.69	0.86	151.00	0.45	0.62
QA8T4C	1.07	-0.23	0.92	0.36	-0.47	0.84	90.89	-0.81	0.04
RR4HXK	1.98	8.39X	2.06	0.86	12.35X	12.55	58.71	-1.48	0.96
TBGGH9	1.34	2.36	1.70	0.42	0.88	3.38	117.49	-0.25	0.39
TN4NEA	1.01	-0.80	0.30	0.35	-0.79	0.13	108.20	-0.45	0.28
TNLTVM	0.99	-0.99	0.23	0.40	0.34	0.29	136.77	0.15	0.97
UADE4N	1.07	-0.25	0.03	0.37	-0.34	0.10	130.83	0.03	0.44
XAANXG	1.11	0.14	0.23	0.42	0.97	0.30	132.67	0.06	0.71
YQBX8F	1.10	0.00	0.41	0.38	0.00	0.29	147.23	0.37	2.59

Na (SubTestCode 305) in the Cations Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	1.10	0.38	129.6
Median Abs Dev	0.03	0.02	15.2
Avg Within Lab SD	0.05	0.02	4.3
Labs Included	15	15	16
Labs Reporting	16	16	16



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.05	0.00	0.00	0.11	0.00	0.00	0.08	0.00	0.00
8P9ZCC	2.67	8.96	3.61	6.06	9.18	3.74	88.04	9.30	3.70
EDTFU3	0.05	0.01	0.00	0.12	0.00	0.00	0.03	-0.01	0.00
GR4XGM	0.01	-0.14	0.00	0.07	-0.07	0.00	0.30	0.02	0.17
HDYRBV	0.04	-0.05	0.01	0.08	-0.05	0.01	0.01	-0.01	0.01
HRZQW7	0.05	0.00	0.00	0.12	0.01	0.00	0.03	-0.01	0.00
LWLKNN	0.08	0.09	0.02	0.13	0.03	0.02	0.41	0.03	0.53
QA8T4C	0.04	-0.03	0.00	0.10	-0.02	0.01	0.04	-0.01	0.02
RR4HXK	0.04	-0.03		0.13	0.03	0.07	0.21	0.01	0.08
TBGGH9	0.06	0.03	0.02	0.12	0.00	0.01	0.11	0.00	0.02
TN4NEA	0.05	0.00	0.00	0.11	0.00	0.00	0.03	-0.01	0.00
UADE4N	0.04	-0.02	0.00	0.10	-0.02	0.00	0.02	-0.01	0.00
XAANXG	0.06	0.03	0.01	0.13	0.02	0.02	0.33	0.02	0.12
YQBX8F	0.04	-0.04	0.01	0.10	-0.02	0.01	0.16	0.01	0.00

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.051	0.11	0.10
Median Abs Dev	0.008	0.01	0.07
Avg Within Lab SD	0.863	0.62	0.68
Labs Included	14	14	14
Labs Reporting	14	14	14



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NH4-N (SubTestCode 307) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.001	-0.908	0.105	0.001	-1.229	0.093	0.001	-1.233	0.000
GR4XGM	0.010	0.548	0.000	0.010	0.000	0.000	0.010	0.368	0.000
HRZQW7	0.007	0.000	0.081	0.001	-1.202	0.073	0.004	-0.609	0.088
QA8T4C	0.017	1.681	2.134	0.015	0.747	2.228	0.015	1.162	2.226
XAANXG	0.005	-0.236	0.655	0.011	0.194	0.153	0.008	0.000	0.194

NH4-N (SubTestCode 307) in the Cations Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.007	0.010	0.008
Median Abs Dev	0.003	0.005	0.004
Avg Within Lab SD	0.007	0.008	0.007
Labs Included	5	5	5
Labs Reporting	5	5	5



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Sum Cations (SubTestCode 308) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW1804			SRW1805			SRW1806			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3QJ2GA	3.03	0.39	0.19	5.61	0.13	0.13	142.65	0.26	0.37	
GR4XGM	2.89	-0.06	0.74	5.63	0.19	0.13	142.67	0.26	0.46	
HRZQW7	2.92	0.06	0.18	5.15	-1.01	0.10	135.95	0.04	0.15	
QA8T4C	2.43	-1.44	2.24	4.61	-2.33	1.66	91.17	-1.40	0.03	
RR4HXK	3.55	1.97	0.29	5.65	0.22	1.91	59.11	-2.43	0.91	
TBGGH9	3.17	0.81	1.43	5.72	0.42	1.15	117.93	-0.54	0.38	
XAANXG	2.78	-0.38	0.15	5.17	-0.96	0.46	133.37	-0.04	0.66	
YQBX8F	2.81	-0.30	0.46	5.50	-0.13	0.16	147.78	0.42	2.49	

Sum Cations (SubTestCode 308) in the Cations Property Groups				Data units: mmolc/L
	SRW1804	SRW1805	SRW1806	
Grand Median	2.91	5.56	134.7	
Median Abs Dev	0.13	0.13	10.6	
Avg Within Lab SD	0.11	0.29	4.6	
Labs Included	8	8	8	
Labs Reporting	8	8	8	



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SAR (SubTestCode 309) in the Cations Property Groups

Data units:

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8P9ZCC	1.10	-0.06	0.02	0.23	-0.07	0.15	111.71	-0.56	0.35
GR4XGM	1.17	-0.01	0.03	0.23	-0.07	0.00	755.65	0.71	1.01
HRZQW7	1.21	0.02	0.01	0.26	0.03	0.02	343.33	-0.10	0.25
QA8T4C	7.39	3.92	2.45	1.49	3.70	2.44	1,526.06	2.23	1.30
TNLTVM	1.13	-0.03	0.13	0.30	0.14	0.00	226.23	-0.33	0.77
YQBX8F	1.20	0.01	0.05	0.24	-0.03	0.10	447.36	0.10	1.59

SAR (SubTestCode 309) in the Cations Property Groups

Data units:

	SRW1804	SRW1805	SRW1806
Grand Median	1.19	0.25	395.3
Median Abs Dev	0.04	0.02	226.4
Avg Within Lab SD	0.44	0.06	15.4
Labs Included	6	6	6
Labs Reporting	6	6	6



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Adj-SAR (SubTestCode 310) in the Cations Property Groups										Data units:
	SRW1804			SRW1805			SRW1806			
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
GR4XGM	0.60		0.36	0.16		0.95	534.33		0.74	
TNLTVM	0.87		1.37	0.30		1.05	270.80		1.20	

Adj-SAR (SubTestCode 310) in the Cations Property Groups										Data units:
	SRW1804			SRW1805			SRW1806			
Grand Median		0.74			0.23			402.6		
Median Abs Dev										
Avg Within Lab SD		0.04			0.00			14.8		
Labs Included		2			2			2		
Labs Reporting		2			2			2		



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

HCO3 (SubTestCode 311) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	1.37	0.67	0.20	3.91	0.92	0.17	121.48	0.13	0.06
GR4XGM	1.14	-0.32	0.05	3.56	0.00	0.39	15.73	-2.38	0.00
HC3JWJ	3.00	7.99X		4.00	1.15	2.27	12.73	-2.45	0.01
HRZQW7	1.23	0.07	0.00	3.55	-0.03	0.00	118.00	0.04	
LWLKNN	1.20	-0.07	0.14	3.53	-0.09	0.10	76.11	-0.95	0.79
QA8T4C	0.61	-2.69	2.05	2.84	-1.88	1.91	88.91	-0.65	3.04
RR4HXK	1.33	0.53	0.30	3.70	0.36	0.49	128.32	0.29	0.28
TBGGH9	1.51	1.33	1.96	4.34	2.02	0.81	116.19	0.00	0.07
TNLTVM	1.07	-0.66	0.90	3.53	-0.07	1.05	125.67	0.22	0.10
XAANXG	1.29	0.34	1.00	3.74	0.48	0.16	105.57	-0.25	0.09
YQBX8F	1.20	-0.07	0.00	3.40	-0.42	0.00	118.67	0.06	0.03

HCO3 (SubTestCode 311) in the Anions Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	1.22	3.56	116.2
Median Abs Dev	0.10	0.16	10.6
Avg Within Lab SD	0.13	0.22	20.5
Labs Included	10	11	11
Labs Reporting	11	11	11



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CO3 (SubTestCode 312) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA							5.63	0.16	0.14
HRZQW7							4.50	0.00	
LWLKNN							26.24	3.06	2.21
RR4HXK							4.52	0.00	0.08
TBGGH9							13.80	1.31	0.29
TNLTVM							3.70	-0.12	0.07
XAANXG							84.60	11.30X	3.27
YQBX8F							4.00	-0.07	

CO3 (SubTestCode 312) in the Anions Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median			4.52
Median Abs Dev			0.82
Avg Within Lab SD	0.00	0.00	3.73
Labs Included	0	0	7
Labs Reporting	0	0	8



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

CI (SubTestCode 313) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	1.23	0.32	0.80	0.50	-0.34	0.05	15.08	0.20	0.25
8P9ZCC	1.26	0.48	0.53	0.65	0.83	1.28	9.29	-3.16	0.39
EDTFU3	1.21	0.19	1.47	0.54	-0.06	0.82	14.69	-0.03	0.85
GR4XGM	1.11	-0.34	0.22	0.55	0.05	0.00	14.86	0.07	0.26
HC3JWJ	1.24	0.33	0.79	0.57	0.18	0.09	16.00	0.73	0.73
HDYRBV	1.17	0.00	0.72	0.54	0.01	0.24	14.74	0.00	0.55
HRZQW7	1.24	0.36	0.00	0.64	0.72	0.00	15.09	0.20	0.00
LWLKNN	1.12	-0.30	1.81	0.59	0.39	2.94	14.85	0.06	0.85
NMNUTR	0.96	-1.15	1.23	0.44	-0.80	0.37	12.52	-1.29	1.01
QA8T4C	0.53	-3.44	0.45	0.35	-1.51	0.94	13.13	-0.94	1.49
RR4HXK	2.04	4.62X	2.58	0.83	2.26	1.58	22.15	4.30X	1.96
TBGGH9	1.24	0.37	1.83	0.43	-0.88	1.10	14.49	-0.14	2.55
TNLTVM	1.17	0.00	1.27	0.54	-0.01	0.52	15.07	0.19	1.37
UADE4N	1.12	-0.30	0.17	0.51	-0.30	0.03	14.54	-0.12	0.10
XAANXG	1.52	1.86	0.82	0.80	2.05	0.11	19.48	2.75	0.89
YQBX8F	1.05	-0.66	0.22	0.49	-0.43	0.00	14.33	-0.24	0.20

CI (SubTestCode 313) in the Anions Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	1.17	0.54	14.7
Median Abs Dev	0.06	0.05	0.3
Avg Within Lab SD	0.04	0.07	0.3
Labs Included	15	16	15
Labs Reporting	16	16	16



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.05	-0.55	0.17	0.10	-0.87	0.57	0.00	-0.60	0.05
8P9ZCC	0.10	1.00	0.88	0.14	0.13	0.82	0.02	0.79	0.52
EDTFU3	0.08	0.50	0.82	0.15	0.55	0.89	0.00	-0.65	
GR4XGM	0.05	-0.79	0.63	0.11	-0.56	0.59			
HC3JWJ	0.10	1.13	0.00	0.15	0.36	1.17	3.28	248.53X	7.10
HDYRBV	0.07	-0.12	0.35	0.12	-0.39	1.60	0.02	0.82	0.05
HRZQW7	0.07	0.12	0.22	0.13	0.00	0.26	0.00	-0.40	0.07
LWLKNN	0.52	16.15X	73.21	0.54	11.20X	67.53	0.68	50.66X	106.60
NMNUTR	0.02	-1.88	0.17	0.03	-2.80	0.23	0.00	-0.64	0.01
QA8T4C	4.15	147.15X	495.79	7.04	188.81X	344.56	3.61	274.03X	405.81
RR4HXK	0.04	-0.95	0.94	0.07	-1.70	0.36	0.00	-0.31	
TBGGH9	0.07	0.01	0.33	0.14	0.08	1.94	0.01	0.31	0.48
TN4NEA	0.07	0.00	0.06	0.14	0.26	0.12	0.02	1.00	0.13
TNLTVM	0.10	1.01	3.34	0.18	1.27	2.03	0.03	1.22	2.73
UADE4N	0.05	-0.49	0.06	0.13	-0.17	0.03			
XAANXG	0.03	-1.27	0.62	0.11	-0.72	0.66			
YQBX8F	0.08	0.29	0.63	0.14	0.26	0.59			

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.069	0.13	0.009
Median Abs Dev	0.015	0.01	0.008
Avg Within Lab SD	0.009	0.01	0.008
Labs Included	15	15	10
Labs Reporting	17	17	13



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.29	0.20	0.35	0.80	0.54	0.30	0.20	0.29	1.67
GR4XGM	0.11	-3.23	0.86	0.66	-1.67	0.38	0.01	-2.18	0.00
HC3JWJ	0.28	0.05	0.74	0.74	-0.47	1.82			
HRZQW7	0.28	0.13	1.07	0.77	0.00	0.27	0.21	0.38	0.18
LWLKNN	0.27	-0.14	1.49	0.84	1.29	2.24	1.21	13.20X	132.58
NMNUTR	0.29	0.24	0.74	0.77	0.08	0.66	0.18	-0.03	1.45
QA8T4C	12.33	228.12X	130.82	36.26	584.09X	88.65	7.14	88.94X	257.31
RR4HXK	0.27	-0.05	0.79	0.73	-0.65	0.44	0.18	0.03	0.58
TBGGH9	0.31	0.67	0.39	0.87	1.78	0.30	0.21	0.39	1.00
TN4NEA	0.14	-2.67	0.37	0.36	-6.60X	0.18	0.12	-0.77	1.19
TNLTVM	0.29	0.24	1.29	0.78	0.25	1.14	0.21	0.42	1.03
XAANXG	0.26	-0.34	2.03	0.76	-0.05	0.27	0.16	-0.26	0.41
YQBX8F	0.27	-0.14	0.00	0.73	-0.63	0.50	0.02	-2.01	1.03

SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.28	0.77	0.18
Median Abs Dev	0.01	0.03	0.03
Avg Within Lab SD	0.01	0.03	0.01
Labs Included	12	11	10
Labs Reporting	13	13	12



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

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

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	2.94	0.13	0.13	5.32	0.30	0.42	142.40	0.04	0.23
GR4XGM	2.40	-1.14	0.12	4.90	-0.79	0.74	30.60	-2.91	0.02
HRZQW7	2.83	-0.13	0.17	5.08	-0.30	0.09	137.80	-0.08	0.00
QA8T4C	17.61	34.90X	34.82	46.49	108.10X	23.60	112.79	-0.74X	8.92
RR4HXK	3.69	1.92	0.90	5.33	0.33	0.47	150.66	0.26	0.96
TBGGH9	2.99	0.24	2.38	5.78	1.52	1.40	139.42	-0.04	2.06
TNLTVM	2.62	-0.62	0.99	5.04	-0.43	2.21	146.31	0.14	0.27
XAANXG	3.11	0.53	0.70	5.42	0.57	0.41	209.80	1.82	1.65
YQBX8F	2.60	-0.68	0.16	4.76	-1.15	0.15	137.02	-0.10	0.08

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

	SRW1804	SRW1805	SRW1806
Grand Median	2.88	5.20	140.9
Median Abs Dev	0.24	0.19	4.6
Avg Within Lab SD	0.10	0.11	6.5
Labs Included	8	8	8
Labs Reporting	9	9	9



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

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

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.09	0.03	0.01	0.29	0.01	0.07	0.25	0.16	0.01
GR4XGM	0.48	0.13	0.06	0.74	0.05	0.09	112.07	1.67	0.09
HRZQW7	0.10	0.03	0.01	0.06	-0.01	0.02	-1.86	0.13	0.03
QA8T4C	-15.18	-3.76	2.45	-41.88	-3.92	2.40	-21.62	-0.13	2.38
RR4HXK	-0.14	-0.03	0.05	0.32	0.01	0.45	-91.54	-1.08	0.12
XAANXG	-0.33	-0.08	0.06	-0.25	-0.04	0.15	-76.33	-0.87	0.56

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

	SRW1804	SRW1805	SRW1806
Grand Median	-0.023	0.18	-11.737
Median Abs Dev	0.212	0.29	38.290
Avg Within Lab SD	1.318	1.20	24.393
Labs Included	6	6	6
Labs Reporting	6	6	6



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.009	-1.012	0.233	0.016	-0.715	0.240	0.001	-1.085	0.000
EDTFU3	0.047	2.739	1.929	0.063	2.240	2.379	0.019	1.145	
GR4XGM	0.010	-0.882	0.000	0.010	-1.087	0.000			
HRZQW7	0.025	0.588	0.757	0.034	0.397	0.125	0.015	0.603	0.507
NMNUTR	0.020	0.065	1.518	0.027	0.000	1.396	0.008	-0.201	1.920
QA8T4C	164.029	68.590X	85.249	48.277	26.551X	86.326	39.509	62.090X	75.698
RR4HXK	0.019	0.000		0.012	-0.962				
TNLTVM	0.019	0.000	0.301	0.029	0.125	0.332	0.020	1.206	1.014
XAANXG	0.013	-0.555	1.003	0.020	-0.460	0.000	0.010	0.000	0.000
YQBX8F	0.021	0.229	0.501	0.029	0.084	0.452	0.006	-0.482	1.014

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.019	0.027	0.010
Median Abs Dev	0.006	0.007	0.005
Avg Within Lab SD	0.006	0.005	0.002
Labs Included	9	9	7
Labs Reporting	10	10	8



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups

Data units: mg/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3QJ2GA	0.060	-0.130	0.150	0.043	-0.164	0.020	0.064	-0.043	0.156
EDTFU3	0.140	0.925	2.219	0.149	1.074	1.726	0.160	1.339	1.011
GR4XGM	0.070	0.000	0.000	0.057	0.000	1.393	0.067	0.000	0.871
TN4NEA	0.217	1.935	0.236	0.223	1.937	0.280	0.187	1.719	0.071
UADE4N	0.041	-0.382	0.000	0.040	-0.197	0.039	0.048	-0.272	1.786

PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups

Data units: mg/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.070	0.057	0.067
Median Abs Dev	0.029	0.017	0.019
Avg Within Lab SD	0.016	0.015	0.035
Labs Included	5	5	5
Labs Reporting	5	5	5



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Phosphorus - ICP (Total) (SubTestCode 320) in the Other Property Groups

Data units: mg/L

WebCode	SRW1804			SRW1805			SRW1806		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
GR4XGM	0.070	0.719	0.000	0.057	0.249	0.284	0.067	1.875	1.849
HRZQW7	0.009	-1.546	0.086	0.031	-0.308	0.034	0.024	-0.324	0.035
RR4HXK	0.073	0.817	1.807	0.148	2.207	2.211	0.041	0.580	0.761
TBGGH9	0.058	0.288	0.383						
UADE4N	0.043	-0.288	0.229	0.045	0.000	0.066	0.018	-0.593	0.034
XAANXG	0.040	-0.389	1.590	0.017	-0.608	0.158	0.030	0.000	

Phosphorus - ICP (Total) (SubTestCode 320) in the Other Property Groups

Data units: mg/L

	SRW1804	SRW1805	SRW1806
Grand Median	0.051	0.045	0.030
Median Abs Dev	0.015	0.014	0.011
Avg Within Lab SD	0.018	0.073	0.017
Labs Included	6	5	5
Labs Reporting	6	5	5



ALP Program - Participant Web Summary Report - Cycle 36 - Summer 2018

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups										Data units: mg/L
SRW1804			SRW1805			SRW1806				
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
QA8T4C	1.28		1.00	2.47		1.00	3.70		1.00	

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups										Data units: mg/L
SRW1804			SRW1805			SRW1806				
Grand Median	1.28		2.47		3.70					
Median Abs Dev										
Avg Within Lab SD	0.03		0.03		0.07					
Labs Included	1		1		1					
Labs Reporting	1		1		1					

