

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 - Spring 2018 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Spring 2018 (Cycle 35) was completed in May 2018, with participation by 107 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: SRS1801 a loam collected from Cascade Cty, MT; SRS1802 a loam collected near Colchester, Nova Scotia CANADA; SRS1803 a Cecil sandy loam collected from Anderson Cty, SC; SRS1804 Bluford silt loam collected from Clay Cty, IL; and SRS1805 a silt loam collected from Broome Cty, NY. Standard Reference Botanical (SRB) materials were: SRB1801 oat grass composite from CA; SRB1802 neem leaf composite; SRB1803 corn composite from IA and SRB1804 walnut leaf composite from CA. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1801 a canal in CO, SRW1802 well source in CO, and SRW1803 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
145	Botanicals Analyses
202	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.

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

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

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

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

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



Key to Data Tables

Laboratory Results

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 35 - Spring 2018

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3ZUC2Q	38.6	-0.8		49.0	-0.7		43.6	-1.0		38.0	0.0		46.1	0.3		
6Z92A9	34.0	-1.6	0.2	44.8	-1.3	0.3	39.4	-1.9	0.7	32.8	-1.4	0.1	40.4	-1.2	0.7	
7KQWHY	40.4	-0.4	0.1	50.8	-0.4	0.9	46.5	-0.4	0.2	36.6	-0.4	0.4	42.7	-0.6	0.2	
B6WAQM	50.5	1.4	1.2	66.0	1.8	2.5	54.2	1.3	1.9	42.7	1.3	0.4	44.4	-0.1	2.6	
BKAJQQ	40.7	-0.4	0.4	52.7	-0.2	1.4	45.0	-0.7		36.0	-0.5		43.3	-0.4	0.3	
CUUCHD	46.6	0.7	0.0	62.3	1.3	0.0	48.7	0.1	0.0	37.8	0.0	0.0	46.3	0.4	0.0	
D8CLGN	37.2	-1.0	0.9	52.2	-0.2	1.0	44.0	-0.9	1.0	33.2	-1.3	0.7	43.7	-0.3	0.3	
EGFWND	44.1	0.2	0.6	60.0	0.9	1.0	47.0	-0.3	0.5	36.5	-0.4	0.1	46.5	0.4	0.4	
FE4GUC	51.0	1.5		63.0	1.4		53.0	1.1		43.0	1.4		51.0	1.6		
KQZF9B	40.4	-0.4	0.3	51.8	-0.3	0.3	48.0	0.0	0.3	40.1	0.6	0.3	45.6	0.2	0.2	
LW6CRB	49.6	1.2	1.8	61.9	1.2	0.9	55.8	1.7	0.6	45.9	2.1	1.7	51.1	1.6	0.3	
M9UTW3	43.3	0.1	0.4	54.0	0.0	0.7	48.0	0.0	1.1	39.0	0.3	0.5	44.3	-0.1	0.8	
NK6KY3	45.6	0.5	0.4	57.1	0.5	0.2	51.1	0.6	0.5	39.2	0.3	0.4	49.4	1.2	0.5	
PD2ZAC	42.3	-0.1	0.4	55.0	0.2	0.7	50.0	0.4		38.0	0.0	0.5	44.0	-0.2		
PNHMJD	45.8	0.5	0.9	59.5	0.9	1.1	50.0	0.4	1.4	39.3	0.4	0.5	47.4	0.7	0.3	
PVFC33	40.0	-0.5	0.4	50.0	-0.6		47.8	-0.1	0.2	36.5	-0.4	0.2	44.5	-0.1	0.2	
QEAHWE	38.6	-0.8	0.7	47.0	-1.0	0.9	40.7	-1.7	0.2	35.5	-0.7	0.9	39.4	-1.5	0.2	
QRZFXD	51.9	1.6	3.2	59.8	0.9	0.9	50.3	0.5	2.8	45.5	2.0	3.3	56.3	3.0	3.1	
R3VWZY	43.5	0.1	0.5	53.5	0.0	0.4	53.2	1.1	0.5	37.9	0.0	0.1	45.0	0.0	0.3	
TUELKD	44.0	0.2	0.6	55.7	0.3	1.7	48.3	0.0	0.4	39.7	0.5	1.1	43.7	-0.3	0.3	
UVR43W	42.0	-0.1		52.7	-0.2	0.4	48.7	0.1	0.4	37.0	-0.2		46.3	0.4	0.3	
ZFE4Z8	39.1	-0.7	0.5	50.6	-0.5	0.5	46.6	-0.3	0.6	35.3	-0.7	0.1	44.8	0.0	0.6	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups						Data units: Percent
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	42.8	53.8	48.2	37.9	44.9	
Median Abs Dev	2.9	3.6	2.0	1.6	1.4	
Avg Within Lab SD	1.6	1.5	1.6	1.9	2.0	
Labs Included	22	22	22	22	22	
Labs Reporting	22	22	22	22	22	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH - sp (SubTestCode 102) in the Salinity Property Groups															Data units: Unit	
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			Unit
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3ZUC2Q	7.50	-0.51		6.10	1.64		4.90	-0.69		5.30	-2.31		5.50	-1.77		
6GPH9N	7.58	0.14	0.37	5.59	-1.23	0.30	4.83	-1.21	0.15	5.42	-1.64	0.15	5.78	-0.70	0.13	
6Z92A9	7.45	-0.88	0.14	5.81	0.00	0.52	4.96	-0.24	0.22	5.76	0.16	0.36	6.00	0.11	0.75	
7KQWHY	6.88	-5.49X	2.64	5.46	-1.96	1.96	4.83	-1.22	3.26	5.46	-1.44	1.56	5.43	-2.03	2.78	
B6WAQM	7.56	0.00	1.44	4.66	-6.47X	1.96	3.89	-8.69X	3.37	4.81	-4.95X	0.99	6.69	2.70	1.54	
BKAJQQ	7.49	-0.59	0.63	5.74	-0.38	1.06	4.95	-0.29	1.14	5.70	-0.16	0.84	5.90	-0.26	0.21	
CUUCHD	7.47	-0.75	0.00	5.78	-0.17	0.00	4.91	-0.61	0.00	5.59	-0.74	0.00	5.82	-0.57	0.00	
D8CLGN	7.43	-1.09	1.55	5.73	-0.45	1.31	4.89	-0.74	0.77	5.68	-0.23	0.84	6.05	0.31	0.53	
EGFWND	7.65	0.69	0.48	5.89	0.43	0.54	5.01	0.21	0.11	5.76	0.16	0.36	6.09	0.44	0.12	
FE4GUC	7.47	-0.75		5.98	0.96		5.05	0.50		5.82	0.51		6.04	0.26		
KQZF9B	7.49	-0.59	1.91	5.96	0.85	2.09	5.12	1.06	1.52	5.91	0.99	1.90	6.03	0.23	1.67	
LAWQZR	7.53	-0.27	0.41	5.91	0.55	1.34	5.07	0.64	0.97	5.77	0.23	2.27	6.08	0.42	1.17	
M9UTW3	7.62	0.43	1.18	5.73	-0.47	0.66	4.94	-0.34	1.53	5.72	-0.02	0.27	5.84	-0.49	0.72	
NK6KY3	7.57	0.05	1.04	5.85	0.24	0.15	5.01	0.21	0.11	5.76	0.20	0.14	5.96	-0.04	1.11	
PD2ZAC	7.69	1.04	0.36	5.85	0.23	0.45	4.99	0.00	0.29	5.65	-0.43	0.76	5.93	-0.15	0.75	
PNHMJD	7.43	-1.04	1.38	5.70	-0.62	0.00	4.80	-1.48	0.00	5.43	-1.59	1.37	5.70	-1.02	0.00	
PVFC33	7.57	0.08	0.36	5.96	0.85	0.52	5.10	0.87	0.29	5.85	0.67	0.24	6.20	0.88	0.53	
QEAHWE	7.69	1.01	0.86	5.90	0.53	0.40	5.07	0.64	0.22	5.79	0.36	1.31	6.14	0.63	1.23	
QRZFXD	7.78	1.76	1.82	5.81	-0.02	0.30	5.11	0.95	0.22	5.81	0.47	0.36	5.98	0.04	0.42	
R3VWZY	7.58	0.16	0.73	6.11	1.71	1.84	5.17	1.48	0.61	5.86	0.70	0.60	6.12	0.57	0.42	
TUELKD	7.67	0.85	0.48	5.78	-0.15	0.54	4.99	0.00	0.11	5.73	0.00	0.55	5.89	-0.31	0.24	
UVR43W	7.38	-1.49	0.73	5.68	-0.75	0.80	4.89	-0.77	0.38	5.52	-1.14	0.99	5.73	-0.91	0.55	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH - sp (SubTestCode 102) in the Salinity Property Groups						Data units: Unit
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	7.56	5.81	4.99	5.73	5.97	
Median Abs Dev	0.09	0.09	0.08	0.09	0.12	
Avg Within Lab SD	0.04	0.04	0.05	0.04	0.05	
Labs Included	21	21	21	21	22	
Labs Reporting	22	22	22	22	22	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

ECe - sp (SubTestCode 103) in the Salinity Property Groups															Data units: dS/m		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3ZUC2Q	2.50	1.05		2.30	0.90		2.00	0.63		0.30	1.92		0.40	0.18			
6GPH9N	2.23	-0.25	0.25	2.14	0.09	0.19	1.89	-0.01	0.18	0.18	-0.02	0.12	0.28	-0.98	0.11		
6Z92A9	2.02	-1.30	0.55	1.86	-1.28	1.04	1.63	-1.43	1.03	0.18	-0.10	1.53	0.27	-1.07	0.96		
7KQWHY	2.40	0.56	0.39	2.23	0.55	0.52	2.06	0.99	1.41	0.25	1.02	0.88	0.36	-0.21	0.42		
B6WAQM	2.16	-0.60	0.95	1.99	-0.63	0.99	1.83	-0.33	1.11	0.13	-1.00	0.86	0.32	-0.64	0.50		
BKAJQQ	2.38	0.48	0.38	2.17	0.27	0.27	2.07	1.02	0.20	0.16	-0.38	0.44	0.55	1.69	0.24		
CUUCHD	2.42	0.66	0.00	2.18	0.31	0.00	1.98	0.52	0.00	0.12	-1.11	0.00	0.42	0.38	0.00		
D8CLGN	2.30	0.08	0.13	2.04	-0.39	0.35	1.90	0.07	1.21	0.14	-0.77	0.76	0.38	-0.05	0.24		
EGFWND	2.04	-1.19	1.42	2.29	0.87	1.34	2.12	1.29	0.31	0.19	0.10	1.39	0.49	1.10	0.34		
FE4GUC	2.42	0.66		2.39	1.35		2.04	0.86		0.20	0.24		0.38	-0.02			
KQZF9B	2.18	-0.49	1.50	2.08	-0.19	1.44	1.89	0.01	2.01	0.26	1.31	1.07	0.54	1.61	1.08		
LAWQZR	2.21	-0.38	1.12	2.04	-0.37	1.03	1.84	-0.28	0.55	0.16	-0.40	1.68	0.35	-0.31	2.99		
LW6CRB	2.30	0.09	1.25	2.28	0.80	1.41	1.94	0.29	0.73	0.19	0.02	0.97	0.27	-1.13	0.33		
M9UTW3	1.99	-1.45	0.20	2.10	-0.11	0.08	1.87	-0.08	0.31	0.26	1.25	0.76	0.31	-0.74	1.05		
NK6KY3	2.29	0.01	0.84	2.10	-0.09	0.78	1.82	-0.40	0.62	0.17	-0.19	1.19	0.53	1.41	1.90		
PD2ZAC	2.22	-0.33	0.35	2.02	-0.50	0.19	1.72	-0.96	0.16	0.20	0.30	1.06	0.29	-0.92	0.22		
PNHMJD	1.85	-2.13	1.63	1.70	-2.05	0.62	1.54	-1.95	1.94	0.12	-1.05	0.44	0.38	0.02	0.87		
PVFC33	2.44	0.76	0.92	2.29	0.83	0.77	1.98	0.54	0.91	0.17	-0.35	0.20	0.43	0.46	0.68		
QEAHWE	2.50	1.03	2.21	2.50	1.87	0.79	2.22	1.85	0.84	0.27	1.47	1.56	0.39	0.08	0.46		
QRZFXD	2.01	-1.33	1.49	1.80	-1.57	3.06	1.64	-1.39	1.85	0.23	0.74	2.02	0.26	-1.20	1.66		
R3VWZY	2.29	0.01	0.92	2.08	-0.17	0.42	1.80	-0.47	0.84	0.12	-1.09	0.23	0.46	0.72	0.74		
TUELKD	2.05	-1.14	0.91	2.05	-0.32	0.50	1.86	-0.14	0.95	0.23	0.78	0.50	0.33	-0.49	0.46		
UVR43W	2.28	-0.01	0.37	2.19	0.36	0.17	1.88	-0.04	0.26	0.21	0.48	0.39	0.42	0.33	0.50		
ZFE4Z8	2.33	0.20	0.07	2.18	0.31	0.65	2.00	0.65	0.55	0.18	-0.11	0.42	0.43	0.46	0.50		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

ECe - sp (SubTestCode 103) in the Salinity Property Groups						Data units: dS/m
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	2.28	2.12	1.89	0.19	0.38	
Median Abs Dev	0.12	0.09	0.09	0.04	0.06	
Avg Within Lab SD	0.08	0.08	0.05	0.01	0.02	
Labs Included	24	24	24	24	24	
Labs Reporting	24	24	24	24	24	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

HCO3 -sp (SubTestCode 104) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6Z92A9	2.23	0.00	0.10	0.97	0.72	0.52	0.74	1.86	1.50	0.56	0.18	0.51	1.75	-0.34		
7KQWHY	2.60	0.37	0.75	0.87	0.47	0.89	0.37	0.00	0.47	0.95	1.55	1.65	2.58	0.45	1.98	
B6WAQM	2.11	-0.12	2.25	0.09	-1.44	0.44				0.08	-1.51	0.41	1.42	-0.66	1.01	
BKAJQQ	4.47	2.26	0.41	0.53	-0.34	1.04	0.20	-0.84		0.27	-0.85	1.17	2.47	0.34	0.43	
PNHMJD	3.11	0.89	0.62	0.80	0.31	1.55	0.40	0.17	1.67	0.60	0.32	0.00	3.31	1.15	1.12	
QEAHWE	2.37	0.14	1.61	1.11	1.07	0.54	0.44	0.36	0.67	0.54	0.12	1.13	1.74	-0.35	0.42	
QRZFXD	1.24	-1.01	0.44	0.37	-0.73	1.71	0.20	-0.84	0.33	0.30	-0.75	1.19	0.47	-1.57	0.28	
R6GG64	1.04	-1.21	0.10													
ZFE4Z8	2.16	-0.08	0.00	0.54	-0.31	0.17	0.23	-0.67	0.44	0.48	-0.12	0.88	2.65	0.52	0.61	

HCO3 -sp (SubTestCode 104) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	2.23			0.67			0.37			0.51			2.11			
Median Abs Dev	0.37			0.24			0.13			0.15			0.50			
Avg Within Lab SD	0.28			0.11			0.10			0.10			0.27			
Labs Included	9			8			7			8			8			
Labs Reporting	9			8			7			8			8			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	1.87	-1.15	1.32	0.70	-1.06	1.22	0.92	-0.93	1.34	0.21	1.79	0.03	0.22	2.96	0.06	
7KQWHY	2.54	1.08	1.64	0.86	0.50	1.92	1.16	1.28	1.78	0.09	0.14	0.29	0.12	-0.11	0.96	
B6WAQM	2.29	0.26	0.71	0.82	0.16	1.42	1.08	0.57	1.51	0.31	3.11	3.12	0.14	0.50	1.11	
CUUCHD	2.51	1.00	0.00	0.85	0.37	0.00	1.11	0.76	0.00	0.08	-0.12	0.00	0.11	-0.18	0.00	
EGFWND	2.27	0.17	0.05	0.77	-0.32	0.44	1.08	0.51	0.15				0.13	0.30		
FE4GUC	2.43	0.72		0.92	1.11		1.15	1.16					0.13	0.30		
KQZF9B	2.06	-0.53	0.09	0.83	0.24	0.14	1.03	0.09	0.00	0.17	1.18	0.04	0.20	2.39	0.07	
LAWQZR	2.10	-0.38	0.77	0.80	-0.04	0.06	0.99	-0.23	1.17	0.13	0.64	1.60	0.12	-0.01	1.27	
LW6CRB	2.19	-0.08	0.76	0.81	0.06	2.15	1.05	0.24	0.67				0.15	0.90	1.05	
NK6KY3	2.24	0.08	1.52	0.77	-0.36	0.29	1.00	-0.15	1.34				0.14	0.60	0.00	
PD2ZAC	2.16	-0.18	0.32	0.73	-0.71	0.60	0.95	-0.66	0.41	0.08	-0.05	0.00	0.09	-0.80	0.43	
PNHMJD	1.92	-1.01	1.07	0.67	-1.36	0.60	0.85	-1.55	0.41	0.08	-0.09	0.13	0.12	0.00	0.74	
PVFC33	2.91	2.33	2.39	0.95	1.36	0.92	1.23	1.88	1.61							
QRZFXD	1.94	-0.92	0.62	0.86	0.55	1.36	0.99	-0.30	1.60	0.17	1.16	0.75	0.16	1.19	2.98	
R3VWZY	2.30	0.29	0.84	0.73	-0.71	0.33	0.93	-0.84	0.55	0.06	-0.33	0.00	0.11	-0.40	0.43	
TUELKD	2.10	-0.39	0.55	0.76	-0.42	0.66	1.01	-0.09	0.46	0.08	0.00	0.13	0.11	-0.40	0.43	
UVR43W	1.99	-0.77	0.38	0.52	-2.76	0.89	0.96	-0.58	0.05	0.08	-0.12	0.02	0.11	-0.27	0.16	
ZFE4Z8	2.46	0.81	0.29	0.81	0.04	0.31	1.06	0.34	0.36	0.08	-0.05	0.01	0.11	-0.18	0.35	

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Grand Median	2.22			0.81			1.02			0.083			0.12		
Median Abs Dev	0.19			0.05			0.06			0.010			0.01			
Avg Within Lab SD	0.11			0.03			0.04			0.043			0.01			
Labs Included	18			18			18			13			17			
Labs Reporting	18			18			18			13			17			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca - sp (SubTestCode 106) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	10.9	-1.3	0.3	12.0	-1.2	0.3	7.5	-0.9	0.3	1.2	0.9	0.7	1.7	-0.9	0.4	
6Z92A9	12.7	-0.2	0.3	13.9	-0.1	1.3	8.3	-0.2	0.9	0.9	0.0	0.8	2.1	-0.3	1.6	
7KQWHY	14.9	1.2	1.8	15.8	0.9	1.9	9.7	1.0	1.8	1.4	1.5	0.5	2.3	-0.1	1.3	
B6WAQM	12.6	-0.2	0.2	14.0	-0.1	0.7	8.5	0.0	0.2	0.7	-0.7	0.8	2.2	-0.2	1.0	
BKAJQQ	13.6	0.4	0.3	14.8	0.3	0.4	9.6	0.9	0.5	0.9	-0.2	0.6	3.6	1.4	0.4	
CUUCHD	15.5	1.5	0.0	15.6	0.8	0.0	9.4	0.7	0.0	0.7	-0.7	0.0	3.0	0.8	0.0	
D8CLGN	14.9	1.1	0.3	15.6	0.8	0.3	9.6	0.8	1.0	0.9	0.0	1.0	2.7	0.3	0.9	
EGFWND	13.8	0.5	0.3	14.8	0.4	0.8	9.5	0.8	0.3	1.3	1.1	0.2	3.3	1.1	0.5	
FE4GUC	13.0	0.0		14.4	0.1		8.6	0.1		0.9	-0.2		2.1	-0.3		
JA8FCU	13.7	0.4		13.3	-0.4		9.5	0.8		1.0	0.2		1.1	-1.6		
KQZF9B	13.4	0.3	2.0	17.3	1.7	1.0	9.0	0.3	2.9	1.5	1.8	2.6	2.9	0.6	0.0	
LAWQZR	12.0	-0.6	0.5	13.5	-0.3	0.5	8.1	-0.4	0.8	0.8	-0.3	2.2	2.4	0.0	2.2	
LW6CRB	12.7	-0.2	1.2	15.0	0.5	1.1	8.4	-0.2	0.3	0.8	-0.3	0.8	1.4	-1.2	0.4	
NK6KY3	12.3	-0.4	1.9	13.1	-0.6	1.0	7.3	-1.1	1.4	0.8	-0.5	0.9	3.5	1.3	2.1	
PD2ZAC	12.5	-0.3	0.1	13.5	-0.4	0.1	8.0	-0.5	0.3	1.0	0.3	1.0	1.5	-1.1	0.0	
PNHMJD	10.8	-1.3	1.6	11.7	-1.4	0.4	6.9	-1.4	0.7	0.5	-1.3	0.2	2.5	0.2	1.3	
PVFC33	13.9	0.5	0.6	15.0	0.5	0.8	9.0	0.3	0.7	0.6	-0.9	0.3	2.7	0.4	0.5	
QEAHWE	14.1	0.7	0.6	14.6	0.3	1.3	10.3	1.5	1.3	1.2	1.0	0.7	2.9	0.6	0.4	
QRZFXD	10.7	-1.4	1.4	11.7	-1.3	2.4	7.2	-1.2	1.0	1.4	1.6	0.1	1.4	-1.2	0.9	
R3VWZY	13.5	0.3	1.5	14.1	0.0	1.0	7.4	-1.0	0.5	0.6	-1.1	0.2	2.9	0.6	1.2	
TUELKD	11.3	-1.0	0.7	13.9	-0.1	0.9	8.6	0.0	0.2	1.1	0.5	1.4	1.8	-0.6	0.9	
UVR43W	12.1	-0.5	0.3	10.3	-2.1	0.9	8.1	-0.4	0.2	1.0	0.4	0.5	2.0	-0.5	0.3	
ZFE4Z8	15.0	1.2	0.1	16.2	1.1	0.1	9.8	1.1	0.4	1.0	0.2	0.1	2.6	0.3	0.4	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca - sp (SubTestCode 106) in the Salinity Property Groups						Data units: mmolc/L
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	13.0	14.1	8.56	0.92	2.37	
Median Abs Dev	0.9	0.8	0.89	0.16	0.48	
Avg Within Lab SD	0.6	0.7	0.40	0.09	0.16	
Labs Included	23	23	23	23	23	
Labs Reporting	23	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg - sp (SubTestCode 107) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	1.77	-1.52	0.66	3.60	-1.34	0.60	4.27	-1.42	0.42	0.37	-0.33	0.24	0.60	-1.39	0.02	
6Z92A9	2.08	-0.57	0.76	4.11	-0.52	1.45	4.81	-0.73	0.57	0.45	0.21	0.56	0.92	-0.48	1.13	
7KQWHY	2.34	0.23	1.29	4.58	0.22	1.46	5.56	0.22	1.09	0.49	0.52	0.68	0.85	-0.68	1.08	
B6WAQM	2.27	0.00	0.32	4.51	0.10	0.30	5.49	0.13	0.35	0.76	2.56	3.12	1.08	0.00	0.80	
BKAJQQ	2.67	1.23	0.55	4.43	-0.02	0.55	5.80	0.53	1.62	0.47	0.36	0.70	1.63	1.62	0.76	
CUUCHD	1.64	-1.92	0.00	4.67	0.36	0.00	5.71	0.41	0.00	0.25	-1.24	0.00	1.24	0.48	0.00	
D8CLGN	2.53	0.82	0.24	4.82	0.60	0.33	5.67	0.36	1.17	0.36	-0.48	0.48	1.08	0.01	1.52	
EGFWND	2.41	0.45	0.58	4.44	0.00	0.87	5.38	0.00	0.16	0.55	0.96	0.57	1.21	0.38	0.53	
FE4GUC	2.39	0.38		5.02	0.91		5.68	0.38					1.01	-0.20		
JA8FCU	2.51	0.75		4.69	0.39		6.35	1.23		0.40	-0.15		0.46	-1.81		
KQZF9B	2.28	0.03	0.43	4.82	0.60	1.32	5.00	-0.49	2.92	0.38	-0.29	0.67	1.19	0.32	0.93	
LAWQZR	2.13	-0.41	0.48	4.25	-0.30	0.95	4.97	-0.52	1.27	0.44	0.15	1.72	1.07	-0.04	2.06	
LW6CRB	2.37	0.31	1.18	5.05	0.97	0.93	5.49	0.14	0.52				0.63	-1.32	0.08	
NK6KY3	2.22	-0.14	1.52	4.08	-0.57	1.03	4.55	-1.05	1.11	0.42	0.00		1.48	1.16	1.94	
PD2ZAC	2.08	-0.58	0.29	4.08	-0.58	0.29	4.73	-0.83	0.26	0.37	-0.40	0.25	0.60	-1.41	0.08	
PNHMJD	2.10	-0.51	1.98	3.61	-1.32	0.20	4.02	-1.73	0.82	0.23	-1.42	0.12	1.15	0.22	0.08	
PVFC33	2.70	1.33	1.05	5.10	1.04	0.98	5.66	0.35	0.90				1.22	0.41	0.46	
QEAHWE	2.57	0.92	1.86	4.98	0.86	1.33	6.16	0.98	0.56	0.51	0.69	0.84	1.08	0.01	0.36	
QRZFXD	1.75	-1.59	1.62	3.75	-1.10	2.45	4.32	-1.36	1.12	0.62	1.51	1.42	0.50	-1.69	1.53	
R3VWZY	2.17	-0.29	0.85	3.99	-0.72	0.17	4.36	-1.30	0.55	0.22	-1.52	0.14	1.20	0.35	0.95	
TUELKD	2.01	-0.80	1.21	4.00	-0.71	0.87	4.86	-0.67	0.26	0.44	0.18	0.46	0.84	-0.70	1.34	
UVR43W	2.04	-0.68	0.25	3.10	-2.13	0.89	4.96	-0.54	0.20	0.42	0.00	0.11	0.81	-0.78	0.33	
ZFE4Z8	2.28	0.05	0.12	4.54	0.16	0.39	5.49	0.13	0.18	0.35	-0.52	0.00	1.09	0.03	0.60	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg - sp (SubTestCode 107) in the Salinity Property Groups						Data units: mmolc/L
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	2.27	4.44	5.38	0.42	1.08	
Median Abs Dev	0.19	0.38	0.42	0.06	0.16	
Avg Within Lab SD	0.11	0.21	0.22	0.08	0.08	
Labs Included	23	23	23	20	23	
Labs Reporting	23	23	23	20	23	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na - sp (SubTestCode 108) in the Salinity Property Groups

Data units: mmolc/L

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	2.73	-2.05	1.12	1.13	-1.76	0.74	0.75	-0.40	0.42	0.18	0.00	0.25	0.32	-0.57	0.09
6Z92A9	3.49	-0.42	0.13	1.46	-0.19	1.74	0.84	0.24	0.40	0.13	-0.44	1.06	0.29	-0.83	0.52
7KQWHY	4.02	0.71	1.52	1.54	0.16	1.42	0.94	0.91	0.85	0.16	-0.23	0.62	0.37	-0.19	0.81
B6WAQM	3.81	0.27	0.37	1.71	0.98	0.56	0.97	1.12	0.23	0.43	2.04	1.60	0.59	1.50	0.57
BKAJQQ	3.57	-0.26	0.64	1.37	-0.64	0.62	0.83	0.17	1.01	0.20	0.13	0.00	0.40	0.05	0.00
CUUCHD	4.06	0.80	0.00	1.57	0.29	0.00	0.79	-0.12	0.00	0.10	-0.72	0.00	0.35	-0.30	0.00
D8CLGN	4.20	1.09	0.69	1.68	0.81	1.55	0.79	-0.14	1.27	0.11	-0.62	0.48	0.39	-0.04	0.83
EGFWND	3.71	0.04	0.40	1.57	0.33	0.59	0.85	0.31	0.10	0.39	1.65	0.40	0.72	2.53	0.45
FE4GUC	4.00	0.67		1.70	0.92		0.83	0.12					0.40	0.05	
JA8FCU	3.68	-0.02		1.47	-0.16		1.05	1.64		0.29	0.86		0.39	-0.03	
KQZF9B	1.35	-5.03X	0.03	0.61	-4.17X	0.01	0.41	-2.68	0.08	0.26	0.64	0.02	0.28	-0.89	0.14
LAWQZR	3.27	-0.89	0.08	1.32	-0.87	0.73	0.71	-0.69	0.39	0.17	-0.16	1.89	0.35	-0.35	0.64
LW6CRB	3.52	-0.36	0.83	1.53	0.11	1.40	0.76	-0.30	0.53				0.30	-0.72	0.00
NK6KY3	3.68	-0.02	1.23	1.42	-0.40	0.53	0.69	-0.78	0.61				0.39	0.00	0.35
PD2ZAC	3.85	0.36	0.79	1.60	0.43	0.99	0.85	0.26	0.79	0.31	1.02	0.70	0.57	1.40	1.14
PNHMJD	3.22	-1.00	2.36	1.33	-0.82	0.34	0.73	-0.53	1.55	0.18	-0.03	0.53	0.47	0.59	0.99
PVFC33	4.37	1.46	1.31	1.76	1.18	0.34	0.87	0.40	0.70				0.39	0.00	1.24
QEAHWE	3.69	0.02	0.89	1.48	-0.11	0.49	0.85	0.28	0.40	0.19	0.02	0.40	0.37	-0.16	0.53
QRZFXD	3.30	-0.83	1.47	1.70	0.92	2.14	1.43	4.23X	5.33	0.50	2.57	2.65	0.63	1.86	2.61
R3VWZY	3.90	0.45	0.86	1.37	-0.64	0.25	0.73	-0.53	0.17	0.08	-0.88	0.31	0.33	-0.52	0.26
TUELKD	3.05	-1.38	1.08	1.39	-0.53	1.21	0.76	-0.32	0.91	0.23	0.40	0.76	0.44	0.36	1.63
UVR43W	3.11	-1.25	0.41	1.01	-2.28	0.71	0.69	-0.76	0.16	0.15	-0.27	0.68	0.57	1.37	0.58
ZFE4Z8	3.92	0.49	0.27	1.58	0.34	0.36	1.12	2.14	3.30	0.17	-0.14	0.89	0.55	1.20	2.08



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na - sp (SubTestCode 108) in the Salinity Property Groups						Data units: mmolc/L
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	3.69	1.50	0.81	0.18	0.39	
Median Abs Dev	0.27	0.13	0.06	0.05	0.07	
Avg Within Lab SD	0.18	0.09	0.06	0.04	0.04	
Labs Included	22	22	22	19	23	
Labs Reporting	23	23	23	19	23	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SAR - sp (SubTestCode 109) in the Salinity Property Groups															Data units: value		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
7KQWHY	1.37	0.21	1.07	0.48	-0.11	0.86	0.34	0.74	0.61	0.16	-0.69	0.54	0.30	-0.15	0.30		
BKAJQQ	1.23	-0.97	0.87	0.47	-0.41	1.95	0.30	-0.10	0.00	0.23	-0.12	1.55	0.20	-0.77	0.00		
CUUCHD	1.39	0.39	0.00	0.49	0.09	0.00	0.29	-0.37	0.00	0.14	-0.85	0.00	0.24	-0.49	0.00		
EGFWND	1.30	-0.36	0.23	0.51	0.42	0.19	0.31	0.17	0.26	0.40	1.21	0.31	0.48	1.02	0.19		
FE4GUC	1.45	0.93		0.55	1.32		0.31	0.10					0.32	0.00			
JA8FCU	1.29	-0.47		0.49	0.07		0.37	1.32		0.35	0.80		0.45	0.83			
KQZF9B	0.48	-7.56X	0.23	0.18	-6.29X	0.19	0.16	-3.02	0.26	0.27	0.20	0.41	0.19	-0.81	0.11		
NK6KY3	1.37	0.20	1.16	0.48	-0.07	0.97	0.28	-0.44	0.93				0.25	-0.45	0.19		
PD2ZAC	1.43	0.73	0.75	0.54	1.11	1.17	0.34	0.64	0.68	0.37	0.95	0.71	0.57	1.59	1.03		
PNHMJD	1.26	-0.71	1.67	0.48	-0.13	0.34	0.32	0.24	1.37	0.30	0.38	0.82	0.34	0.15	0.70		
PVFC33	1.52	1.58	1.06	0.56	1.46	0.52	0.32	0.37	0.52				0.28	-0.26	0.81		
QEAHWE	1.28	-0.56	0.69	0.47	-0.28	0.11	0.30	-0.17	0.45	0.20	-0.38	0.36	0.27	-0.35	0.29		
QRZFXD	1.36	0.11	2.17	0.59	2.08	2.25	0.59	5.80X	6.16	0.49	1.86	2.49	0.65	2.08	3.14		
R3VWZY	1.40	0.46	0.23	0.45	-0.69	0.52	0.30	-0.10	0.00	0.12	-1.00	0.46	0.23	-0.57	0.19		
TUELKD	1.18	-1.44	0.92	0.46	-0.48	1.08	0.29	-0.24	1.04	0.26	0.12	0.56	0.38	0.38	0.81		
UVR43W	1.17	-1.56	0.35	0.39	-2.00	0.34	0.27	-0.71	0.00	0.18	-0.56	0.94	0.48	1.04	0.28		
ZFE4Z8	1.33	-0.11	0.20	0.49	0.07	0.35	0.41	2.05	2.95	0.21	-0.33	1.08	0.40	0.52	1.37		

SAR - sp (SubTestCode 109) in the Salinity Property Groups															Data units: value		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	1.34			0.49			0.31			0.25			0.32				
Median Abs Dev	0.06			0.02			0.02			0.08			0.08				
Avg Within Lab SD	0.07			0.03			0.02			0.04			0.05				
Labs Included	16			16			16			14			17				
Labs Reporting	17			17			17			14			17				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cl - sp (SubTestCode 110) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3ZUC2Q	12.40	1.23		1.15	2.84		2.05	2.35		0.55	3.65		0.70	0.00		
6GPH9N	9.09	-0.89	0.30	0.69	0.26	0.95	1.63	1.02	0.52	0.17	-0.67	1.01	1.08	1.31	0.56	
6Z92A9	6.93	-2.28	0.00	0.63	-0.11	0.53	0.94	-1.16	0.39	0.20	-0.36	0.93	0.47	-0.78	0.30	
7KQWHY	11.03	0.35	1.98	0.57	-0.45	0.12	1.40	0.29	1.82	0.17	-0.71	0.35	0.66	-0.14	0.15	
B6WAQM	9.66	-0.53	0.24	0.53	-0.64	0.70	1.14	-0.54	0.43	0.41	2.05	2.56	0.60	-0.33	1.25	
BKAJQQ	11.64	0.74	0.51	0.81	0.94	0.63	1.54	0.73	0.36	0.26	0.39	0.54	0.72	0.07	0.17	
D8CLGN	10.49	0.00	0.41	0.57	-0.42	0.40	1.14	-0.52	0.86	0.22	-0.09	0.26	0.55	-0.53	0.36	
EGFWND	12.50	1.29	0.38	0.67	0.11	2.35	1.25	-0.17	0.07	0.23	-0.01	0.28	1.63	3.17	0.31	
FE4GUC	11.20	0.46		0.87	1.28		1.41	0.33		0.29	0.73		0.80	0.32		
LAWQZR	9.26	-0.79	0.93	0.58	-0.39	0.24	1.18	-0.41	0.78	0.23	0.07	0.60	0.66	-0.15	0.61	
LW6CRB	10.17	-0.20	1.50	0.80	0.87	1.74	1.34	0.12	1.02				0.76	0.20	0.26	
M9UTW3	8.03	-1.57	0.34	0.60	-0.26	0.00	1.00	-0.97		0.30	0.81	0.00	0.57	-0.45	0.50	
NK6KY3	11.50	0.65	1.10	0.70	0.30	0.29	1.26	-0.16	0.47				0.60	-0.33	0.39	
PD2ZAC	10.27	-0.14	0.34	0.59	-0.34	0.42	1.14	-0.52	0.07	0.23	0.02	1.75	0.59	-0.38	0.68	
PNHMJD	8.46	-1.30	1.63	0.52	-0.73	0.92	1.00	-0.98	1.07	0.19	-0.40	0.19	0.49	-0.73	0.10	
PVFC33	11.54	0.68	1.11	0.83	1.05	1.06	1.51	0.65	0.66				0.75	0.17	0.30	
QEAHWE	10.76	0.18	0.49	0.80	0.84	1.70	1.48	0.54	0.52	0.24	0.15	1.16	0.54	-0.54	0.51	
QRZFXD	9.63	-0.55	2.08	1.33	3.84X	2.38	1.83	1.66	1.70	0.82	6.71X	2.37	1.13	1.47	3.41	
R3VWZY	10.89	0.26	0.48	0.58	-0.38		1.31	0.00	0.28	0.17	-0.70	0.10	0.61	-0.32	0.13	
TUELKD	9.90	-0.38	0.22	0.60	-0.26	0.00	1.27	-0.13	0.65	0.30	0.81	1.68	0.77	0.23	0.50	
UE2HNA	10.73	0.16	0.88	0.73	0.45	1.14	1.57	0.84	0.79	0.23	0.00	0.22	0.74	0.15	0.21	
UVR43W	11.70	0.78	1.50	0.94	1.64	1.21	1.26	-0.15	0.67	0.17	-0.67	0.07	1.72	3.47	1.19	
ZFE4Z8	10.31	-0.11	0.19	0.61	-0.23	0.55	1.71	1.29	2.65	0.18	-0.53	0.54	0.78	0.26	1.94	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cl - sp (SubTestCode 110) in the Salinity Property Groups						Data units: mmolc/L
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	10.5	0.65	1.31	0.23	0.70	
Median Abs Dev	0.9	0.08	0.17	0.05	0.10	
Avg Within Lab SD	0.5	0.06	0.09	0.06	0.12	
Labs Included	23	22	23	19	23	
Labs Reporting	23	23	23	20	23	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SO4 - sp (SubTestCode 111) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6Z92A9	1.33	-0.07	2.26	6.52	-0.34	0.93	0.84	-0.32	0.95	0.39	-0.43	1.26	0.53	-0.42	0.24	
7KQWHY	1.27	-0.37	0.38	6.49	-0.38	1.05	0.81	-0.45	0.23	0.41	-0.24	0.23	0.55	-0.28	0.41	
B6WAQM	1.28	-0.32	0.16	6.85	0.03	0.48	0.89	-0.09	0.77	0.48	0.46	1.10	0.65	0.35	0.47	
BKAJQQ	1.52	0.85	0.34	7.46	0.71	0.27	1.09	0.88	0.24	0.54	1.07	0.42	0.66	0.43	0.21	
D8CLGN	1.59	1.21	1.00	6.76	-0.07	1.32	1.00	0.46	0.73	0.43	0.00	0.63	0.66	0.44	0.05	
EGFWND	1.44	0.46	1.41	7.24	0.46	1.07	1.12	1.03	1.38	0.70	2.78	2.20	0.66	0.46	1.28	
FE4GUC	1.31	-0.15		7.35	0.58		0.94	0.15		0.41	-0.19		0.65	0.39		
LAWQZR	1.18	-0.77	0.63	5.87	-1.07	0.55	0.82	-0.41	1.56	0.36	-0.70	0.96	0.51	-0.58	0.63	
LW6CRB	1.10	-1.16	1.30	7.11	0.32	1.19	0.58	-1.57	0.12				0.25	-2.36	0.84	
NK6KY3	1.47	0.64	0.71	6.82	-0.01	0.22	0.99	0.38	1.02	0.54	1.07	1.27	0.67	0.52	0.32	
PD2ZAC	1.44	0.48	0.38	6.87	0.04	0.02	0.86	-0.22	0.55	0.46	0.29	0.00	0.62	0.18	0.12	
PNHMJD	0.88	-2.24	0.67	4.48	-2.62	0.70	0.65	-1.20	2.11	0.28	-1.59	0.32	0.31	-1.91	0.32	
PVFC33	1.36	0.07	0.32	7.26	0.49	0.81	0.95	0.19	0.12	0.42	-0.16	0.69	0.56	-0.22	0.43	
QEAHWE	1.51	0.83	1.34	6.35	-0.53	2.34	0.98	0.37	1.41	0.57	1.43	1.08	0.60	0.00	0.50	
QRZFXD	1.26	-0.38	1.32	5.07	-1.96	1.45	1.75	3.98	0.84	0.43	0.01	1.04	0.48	-0.78	1.08	
R3VWZY	1.20	-0.70	0.28	6.65	-0.19	0.35	0.82	-0.40	0.24	0.36	-0.74	0.00				
TUELKD	1.37	0.12	0.64	6.83	0.01	0.70	0.97	0.28	1.19	0.57	1.38	1.58	0.83	1.60	3.19	
UE2HNA	1.19	-0.75	0.33	6.24	-0.66	0.99	0.79	-0.58	0.36	0.42	-0.14	1.23	0.49	-0.71	1.61	
UVR43W	1.64	1.46	1.79	9.11	2.54	1.18	0.81	-0.45	0.35	0.44	0.08	0.61	0.45	-0.97	0.43	
ZFE4Z8	1.43	0.45	0.02	7.27	0.49	0.59	0.91	0.00	1.19	0.43	-0.07	0.05	0.62	0.18	0.02	

SO4 - sp (SubTestCode 111) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	1.34			6.83			0.91			0.43			0.60			
Median Abs Dev	0.12			0.42			0.08			0.04			0.07			
Avg Within Lab SD	0.09			0.36			0.05			0.04			0.05			
Labs Included	20			20			19			19			19			
Labs Reporting	20			20			20			19			19			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3 - sp (SubTestCode 112) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	7.0	0.1	0.4	13.3	-0.1	0.7	13.3	-0.3	1.7	0.9	0.6	1.9	0.5	1.5	1.8	
6Z92A9	6.6	0.0	2.2	15.7	0.4	0.2	15.6	0.3	0.8	0.7	0.3	2.1	0.1	-0.3	0.7	
7KQWHY	7.8	0.5	2.1	14.3	0.1	1.6	15.9	0.3	2.4	0.8	0.3	0.4	0.4	1.1	0.5	
EGFWND	6.7	0.0	0.2	10.6	-0.8	0.1	10.5	-1.0		0.4	-0.5	0.8	0.0	-0.3	0.2	
FE4GUC	6.6	0.0		14.6	0.2		15.1	0.1		0.7	0.2		0.1	0.1		
NK6KY3	4.9	-0.7	1.0	13.4	-0.1	0.3	14.1	-0.1	0.1	0.2	-1.1	1.5				
PD2ZAC	7.1	0.2	0.2	12.6	-0.3	0.5	13.2	-0.3	0.0	0.8	0.4	0.4	0.4	1.0	2.3	
PNHMJD	1.6	-2.2	0.4	4.3	-2.3	0.4	5.0	-2.3	0.6	0.1	-1.3	0.3	0.0	-0.4	0.2	
PVFC33	6.1	-0.2	0.2	14.5	0.2	0.8	15.3	0.2	0.2	0.3	-0.8	0.6				
QRZFXD	1.3	-2.3	0.5	2.8	-2.7	0.7	2.8	-2.8	0.5	0.2	-1.1	0.7	0.1	-0.2	0.4	
R3VWZY	5.3	-0.6	0.1	13.2	-0.2	0.6	13.0	-0.4	1.1	0.2	-1.0	0.4	0.1	-0.2	0.0	
TUELKD	8.0	0.6	0.3	14.6	0.2	0.8	16.0	0.3	0.7	0.9	0.7	0.0	0.5	1.6		
UVR43W	10.2	1.5	1.3	21.4	1.8	2.6	16.8	0.5	0.5	1.0	1.0	0.8	0.5	1.4	0.6	
ZFE4Z8	7.7	0.4	0.3	14.6	0.2	0.5	16.2	0.4	0.0	0.5	-0.2	0.2	0.1	-0.1	0.4	

NO3 - sp (SubTestCode 112) in the Salinity Property Groups														Data units: mmolc/L		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	6.65			13.9			14.6			0.62			0.12			
Median Abs Dev	1.07			0.8			1.4			0.27			0.09			
Avg Within Lab SD	0.39			0.7			0.5			0.04			0.03			
Labs Included	14			14			14			14			12			
Labs Reporting	14			14			14			14			12			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B - sp (SubTestCode 113) in the Salinity Property Groups															Data units: mg/L		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3ZUC2Q	0.33	2.89		0.29	0.99		0.08	1.60		0.12	2.64		0.11	1.21			
6GPH9N	0.15	-0.02	2.19	0.24	0.35	2.17	0.04	-0.55	1.43	0.07	0.53	1.77	0.08	0.52	2.91		
6Z92A9	0.11	-0.52	0.31	0.16	-0.78	0.24	0.03	-0.64	1.12	0.04	-0.31	2.24	0.18	2.82	0.00		
7KQWHY	0.17	0.34	0.49	0.23	0.09	0.50	0.05	-0.07	0.29	0.06	0.17	0.40	0.06	0.00	0.17		
B6WAQM	0.24	1.54	1.76	0.29	1.03	1.34											
BKAJQQ	0.20	0.89	0.82	0.29	0.94	0.48	0.09	2.24	1.12	0.10	1.74	0.32	0.09	0.83	0.35		
D8CLGN	0.15	0.02	0.16	0.25	0.36	1.75	0.06	0.40	0.48	0.05	0.00	0.23	0.05	-0.08	0.35		
LAWQZR	0.14	-0.10	0.54	0.17	-0.69	0.42	0.04	-0.48	1.48	0.05	-0.18	0.85	0.04	-0.39	0.60		
PD2ZAC	0.19	0.68	0.57	0.21	-0.09	0.29	0.05	0.14	0.26	0.07	0.53	0.34	0.07	0.37	0.04		
QRZFXD	0.11	-0.63	0.82	0.17	-0.74	0.48	0.05	0.00	1.48	0.05	-0.18	0.32	0.04	-0.47	0.92		
UVR43W	0.13	-0.29	0.88	0.11	-1.49	0.63	0.02	-1.06	0.39	0.03	-0.72	0.76	0.04	-0.32	0.16		
ZFE4Z8	0.14	-0.17	0.00	0.18	-0.54	0.08	0.05	0.23	0.73	0.04	-0.42	0.14	0.04	-0.41	0.00		

B - sp (SubTestCode 113) in the Salinity Property Groups						Data units: mg/L				
	SRS1801		SRS1802		SRS1803		SRS1804		SRS1805	
Grand Median	0.15		0.22		0.047		0.051		0.057	
Median Abs Dev	0.03		0.05		0.010		0.011		0.018	
Avg Within Lab SD	0.02		0.02		0.010		0.018		0.017	
Labs Included	12		12		11		11		11	
Labs Reporting	12		12		11		11		11	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups

Data units: dS/m

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	0.23	-4.84X	0.20	0.37	-2.33	0.51	0.11	-3.92X	0.02	0.03	-1.28	0.81	0.03	-1.39	1.18
4NXA79	0.87	0.38	0.76	0.85	0.39	0.21	0.61	-0.01	0.82	0.08	0.28	0.13	0.12	0.65	0.17
6VB748	0.76	-0.50	0.69	0.69	-0.51	0.13	0.51	-0.81	0.40	0.07	-0.01X	0.00	0.07	-0.55	0.97
6Z92A9	0.76	-0.52	0.23	0.77	-0.09	0.92	0.58	-0.23	0.91	0.11	1.43	2.89	0.15	1.27	1.68
7KQWHY	1.03	1.74	0.69	1.19	2.27	0.26	0.94	2.58	0.47	0.07	-0.01	0.17	0.17	1.63	0.39
7QB97Z	0.82	0.03	0.31	0.83	0.24	0.13	0.61	0.01	0.34	0.09	0.76	0.58	0.12	0.61	1.68
9WPWT2	0.85	0.25	0.00	0.77	-0.08	0.00	0.65	0.32	0.00	0.06	-0.34	0.00	0.08	-0.26	0.00
ALACYW	1.04	1.85	0.12	0.97	1.05	1.50	0.69	0.66	0.86	0.09	0.65	0.00	0.11	0.47	0.97
B28ZB4	0.82	0.00	0.00	0.87	0.51	1.40	0.65	0.29	0.79	0.08	0.43	0.31	0.09	-0.12	1.94
CNPL2T	0.73	-0.77	0.12	0.70	-0.49	0.08	0.54	-0.55	0.13	0.07	-0.16	0.06	0.08	-0.36	0.16
E6PNYW	0.82	0.00	2.43	0.78	0.00	0.92	0.63	0.19	2.74	0.04	-1.01	3.61	0.07	-0.55	1.94
G42FUD	0.58	-1.98	0.53	0.44	-1.92	0.95	0.44	-1.30	0.52	0.07	-0.10	0.88	0.07	-0.58	0.84
JA8FCU	0.79	-0.28	0.23	0.75	-0.19	0.69	0.66	0.42	0.20	0.06	-0.34	0.00	0.10	0.17	0.00
KDBGFN	0.75	-0.61	1.61	0.61	-0.98	0.94	0.58	-0.26	0.76	0.03	-1.29	0.22	0.04	-1.10	0.50
KQZF9B	0.80	-0.16	0.80	0.69	-0.51	0.59	0.58	-0.23	1.35	0.09	0.53	0.75	0.10	0.21	1.21
LAWQZR	0.86	0.33	0.40	0.84	0.34	0.35	0.57	-0.33	0.52	0.08	0.32	0.00	0.09	-0.12	0.97
NRNQWA	0.76	-0.49	0.43	0.61	-0.95	0.10	0.45	-1.28	0.16	0.06	-0.51	0.90	0.07	-0.56	1.43
PD2ZAC	0.96	1.14	0.09	1.11	1.85	0.10	0.87	2.08	0.78	0.07	-0.16	0.04	0.11	0.36	0.09
PF9UCB	0.90	0.63	2.30	0.85	0.35	2.91	0.45	-1.24	1.75	0.09	0.75	0.76	0.10	0.15	0.55
Q8R673	0.73	-0.72	3.06	0.67	-0.66	2.64	0.67	0.45	1.98	0.01	-2.00	0.00	0.01	-1.79	0.00
QEAHWE	0.81	-0.12	0.09	0.78	-0.01	0.27	0.48	-1.00	0.42	0.14	2.20	1.01	0.13	0.90	0.58
QRZFXD	1.02	1.65	0.20	0.86	0.43	1.05	0.68	0.53	0.52	0.07	0.10	0.58	0.08	-0.19	0.97
TUELKD	0.70	-0.99	0.04	1.03	1.41	0.13	0.75	1.08	0.20	0.04	-1.09	0.12	0.07	-0.42	0.10
UGLJGB	0.83	0.11	0.50	0.83	0.26	0.23	0.59	-0.15	1.19	0.07	0.00	0.06	0.08	-0.23	0.39
UVR43W	0.91	0.76	0.46	0.88	0.56	0.61	0.72	0.85	0.44	0.05	-0.63	0.25	0.16	1.42	1.05
V68HH4	0.72	-0.85	0.23	0.66	-0.71	1.03	0.73	0.92	0.52	0.28	6.95X	0.00	0.21	2.58	1.68



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
VLN4FG	1.00	1.49		0.73	-0.28	1.32	0.63	0.19	1.98	0.10	0.98	0.00	0.10	0.17	0.00	
WETFPF	0.86	0.36	0.33	0.80	0.12	0.24	0.52	-0.71	0.34	0.09	0.54	0.45	0.09	0.00	0.61	
XPM6X2	0.80	-0.19	0.31	0.79	0.06	0.13	0.58	-0.23	0.34	0.08	0.32	0.00	0.13	0.76	0.97	
Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	0.82			0.78			0.61			0.070			0.09			
Median Abs Dev	0.06			0.09			0.06			0.016			0.03			
Avg Within Lab SD	0.05			0.04			0.03			0.010			0.01			
Labs Included	28			29			28			27			29			
Labs Reporting	29			29			29			29			29			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups

Data units: dS/m

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
387PJL	0.64	0.69	0.29	0.76	1.11	0.35	0.57	0.77	0.53	0.05	0.68	1.13	0.07	0.00	2.35
3WECRP	0.15	-3.95X	0.33	0.32	-1.92	1.89	0.11	-3.10X	0.03	0.03	-0.96	1.50	0.03	-1.53	1.54
6G9P8D	0.47	-0.88	2.72	0.46	-0.99	1.86	0.43	-0.39	1.26	0.04	-0.44	0.98	0.05	-0.71	0.95
6Z92A9	0.58	0.11	1.79	0.57	-0.19	1.22	0.46	-0.10	1.15	0.09	3.20	3.92	0.13	1.97	1.36
7A3CM2	0.71	1.42	1.92	0.59	-0.05	2.43	0.53	0.49	2.11	0.05	0.45	0.00	0.07	-0.12	1.36
7KQWHY	0.57	0.08	0.87	0.65	0.35	0.33	0.51	0.27	0.03	0.05	0.11	0.00	0.10	0.93	0.14
7W7ATV	0.59	0.24	0.00	0.54	-0.40	0.72	0.51	0.29	1.21	0.06	0.91	1.13	0.07	0.12	1.36
8UDU46	0.49	-0.74	1.14	0.52	-0.59	2.10	0.42	-0.50	1.55	0.04	0.05	0.33	0.06	-0.34	0.17
AW6FDX	0.41	-1.49	0.51	0.35	-1.76	0.53	0.29	-1.53	0.26	0.04	-0.46	1.13	0.11	1.51	1.36
BDW47G	0.60	0.37	0.00	0.69	0.63	0.48	0.53	0.45	0.29	0.04	-0.23	0.01	0.05	-0.69	0.00
BUUREK	0.53	-0.30	0.29	0.72	0.83	0.35	0.48	0.01	0.26	0.04	-0.05	0.11	0.06	-0.19	0.49
D2M42Q	0.64	0.70	0.67	0.74	0.98	0.16	0.54	0.56	0.10	0.05	0.23	0.11	0.09	0.66	0.62
FE4GUC	0.63	0.62	0.72	0.74	0.94	0.63	0.59	0.92	2.40	0.08	2.19	1.58	0.08	0.49	2.01
JAXEVD	0.65	0.86	0.46	0.72	0.85	1.61	0.58	0.88	0.53	0.06	0.82	0.30	0.08	0.48	0.29
LE6LAM	0.58	0.11	0.29	0.59	-0.05	0.72	0.44	-0.27	0.26	0.05	0.23	1.13	0.07	0.00	0.00
M2W4DD	0.33	-2.29	1.06	0.53	-0.47	0.53	0.37	-0.86	0.26	0.02	-1.60	0.00	0.05	-0.69	0.00
NK6KY3	0.59	0.27	1.00	0.70	0.68	0.48	0.54	0.54	0.44	0.04	0.09	0.11	0.07	0.02	0.36
PCMCAK	0.48	-0.81	0.00	0.47	-0.93	0.20	0.42	-0.49	0.70	0.03	-0.92	0.00	0.04	-1.04	0.00
PD2ZAC	0.54	-0.26	0.07	0.63	0.20	0.08	0.47	-0.01	0.10	0.04	-0.13	0.05	0.07	0.10	0.56
PVFC33	0.55	-0.13	0.59	0.69	0.59	0.87	0.49	0.15	2.39	0.04	-0.09	0.52	0.06	-0.45	0.47
QEAHWE	0.56	-0.08	1.67	0.50	-0.69	1.54	0.33	-1.19	1.48	0.10	3.63X	1.50	0.10	1.17	1.34
R6GG64	0.58	0.11	0.02	0.70	0.70	0.11	0.53	0.48	0.11	0.04	0.09	0.05	0.07	-0.02	0.08
RJ3W93	0.49	-0.75	0.16	0.56	-0.26	0.32	0.40	-0.61	0.12	0.06	1.09	0.25	0.11	1.48	0.44
RXHW48	0.64	0.69	0.21	0.71	0.73	0.03	0.55	0.60	0.18	0.05	0.53	0.06	0.09	0.69	1.29
TUELKD	0.28	-2.73	0.51	0.38	-1.51	0.20	0.16	-2.68	0.26	0.02	-1.60	0.00	0.03	-1.27	1.36
UVR43W	0.53	-0.33	1.10	0.60	0.00	0.35	0.43	-0.38	0.88	0.04	-0.46	0.30	0.10	0.87	0.62



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
SRS1801				SRS1802			SRS1803			SRS1804			SRS1805			
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	
UZW9U9	0.60	0.29	0.19	0.60	0.01	0.66	0.50	0.23	0.53	0.04	-0.23	1.02	0.24	5.92 X	74.38	
YCHF4T	0.46	-1.02	1.23	0.63	0.19	0.92	0.23	-2.06	0.51	0.03	-0.92	0.20	0.04	-0.91	0.59	
YP4GDK	0.51	-0.52	1.26	0.46	-0.98	0.09	0.34	-1.16	0.23	0.04	-0.14	0.23	0.06	-0.44	0.27	
Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
SRS1801				SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	0.56			0.60			0.48			0.043			0.070			
Median Abs Dev	0.06			0.10			0.06			0.007			0.019			
Avg Within Lab SD	0.02			0.03			0.02			0.005			0.004			
Labs Included	28			29			28			28			28			
Labs Reporting	29			29			29			29			29			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups

Data units: Unit

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
387PJL	7.77	-0.98	1.29	6.16	1.37	1.51	5.23	0.78	1.33	5.85	-0.19	1.87	5.89	-0.43	2.18
3WECRP	8.10	0.96	1.60	6.04	0.57	1.46	5.19	0.48	1.64	5.83	-0.34	0.97	5.91	-0.33	1.21
4MZEDX	7.68	-1.49	0.00	5.83	-0.94	0.00	5.05	-0.67	0.00	5.79	-0.62	0.00	5.83	-0.92	0.00
4NXA79	7.83	-0.59	2.01	5.74	-1.56	1.29	4.95	-1.51	1.03	5.68	-1.47	0.77	5.82	-1.00	0.44
4UNJF8	8.30	2.15	0.00	6.43	3.32	1.05	5.20	0.54	0.00	5.87	-0.04	0.80	5.97	0.13	1.27
64JPEQ	7.75	-1.09	0.11	5.99	0.17	0.10	5.08	-0.43	0.22	5.72	-1.19	0.08	5.84	-0.82	0.13
6VB748	8.03	0.59	1.14	6.03	0.50	1.05	5.10	-0.27	0.00	5.70	-1.31	0.00	5.78	-1.28	0.64
6Z92A9	7.81	-0.70	0.30	5.87	-0.68	0.28	4.99	-1.16	0.44	5.87	-0.01	0.14	5.92	-0.20	0.25
7A3CM2	8.13	1.13	1.78	6.56	4.22X	0.55	5.39	2.05	2.69	6.20	2.51	4.03	6.16	1.58	1.13
7KQWHY	7.47	-2.70	1.39	5.77	-1.39	0.91	4.89	-1.94	0.56	5.46	-3.15	0.37	5.75	-1.51	2.48
7QB97Z	7.83	-0.59	1.14	5.97	0.02	1.05	5.20	0.54	0.00	5.70	-1.31	0.00	5.77	-1.40	1.27
9QYJUX	8.06	0.74	0.40	5.94	-0.17	0.36	5.30	1.37	0.71	5.88	0.09	0.52	5.95	0.00	0.80
9WPWT2	7.85	-0.49	0.00	5.94	-0.17	0.00	5.11	-0.19	0.00	5.84	-0.24	0.00	5.88	-0.54	0.00
A79PKN	8.00	0.39		5.90	-0.45	0.00	5.10	-0.27	0.00	5.90	0.22	0.00	5.87	-0.64	1.27
AA87UW	7.94	0.02	0.80	6.14	1.27	0.38	5.29	1.29	0.34	6.03	1.24	0.21	6.09	1.05	0.34
ALACYW	7.84	-0.53	0.11	5.86	-0.71	0.10	5.05	-0.67	0.00	5.67	-1.54	0.14	5.76	-1.43	0.46
AW6FDX	7.97	0.20	0.61	5.98	0.09	0.46	5.06	-0.59	1.18	5.89	0.11	0.32	5.69	-1.96	0.25
BDW47G	7.76	-1.00	0.30	5.93	-0.24	0.48	5.07	-0.48	0.13	5.83	-0.29	0.29	6.08	1.02	0.25
BUUREK	7.70	-1.39	0.11	5.75	-1.51	0.31	4.94	-1.56	0.22	5.66	-1.59	0.16	5.91	-0.28	0.34
CNPL2T	8.17	1.37	0.35	5.55	-2.89X	0.54	4.40	-5.96X	0.19	5.24	-4.80X	0.10	5.31	-4.88X	0.73
CRTTNY	7.90	-0.20	0.69	5.95	-0.07	0.64	5.08	-0.43	0.80	5.90	0.24	0.32	6.04	0.66	0.34
DF8AMR	8.14	1.21	0.00	6.07	0.75	0.00	5.20	0.57	0.13	5.97	0.78	0.16	6.02	0.56	0.13
E6PNYW	7.70	-1.37	1.98	6.00	0.26	1.82	5.13	0.00	1.28	5.93	0.47	0.80	6.00	0.38	
EGFWND	7.97	0.23	0.30	5.94	-0.17	0.55	5.08	-0.43	0.59	5.96	0.65	0.42	6.02	0.54	0.96
ENJQVR	7.90	-0.20	0.00	6.10	0.97	0.00	5.10	-0.27	0.00	5.87	-0.04	0.80	5.80	-1.15	0.00
FGWKBQ	7.97	0.20	1.14	5.93	-0.21	1.05	5.40	2.15	0.00	5.90	0.22	0.00	5.93	-0.13	1.27



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
FT78BB	7.97	0.22	0.40	6.11	1.04	0.48	5.26	1.02	0.44	5.87	-0.04	0.08	5.95	0.00	0.22	
G42FUD	7.83	-0.63	1.49	5.93	-0.21	1.21	5.13	0.00	0.78	5.85	-0.19	0.79	5.92	-0.20	0.67	
GWK6GC	7.93	0.00	0.23	5.96	-0.02	0.31	5.23	0.78	0.38	5.91	0.29	0.24	5.95	-0.03	0.25	
JA8FCU	8.00	0.39		6.17	1.44	1.05	5.20	0.54	0.00	5.90	0.22	0.00	6.03	0.64	2.55	
KDBGFN	7.81	-0.70	0.75	6.05	0.59	0.90	5.13	-0.03	2.14	5.77	-0.80	1.26	5.96	0.08	2.13	
KQZF9B	7.73	-1.21	1.69	6.22	1.84	1.36	5.25	0.94	1.46	6.01	1.03	1.39	6.10	1.17	2.21	
KTF3DR	7.97	0.20	1.14	6.10	0.97	0.00	5.27	1.08	1.28	5.93	0.47	0.80	6.13	1.40	1.27	
LAWQZR	7.93	-0.04	0.64	6.01	0.31	2.17	5.15	0.13	1.24	5.87	0.01	0.92	6.03	0.59	1.68	
M2W4DD	7.45	-2.81	0.89	5.94	-0.17	0.96	5.00	-1.05	1.26	5.77	-0.78	0.97	5.78	-1.30	1.17	
MQFG4C	8.02	0.51	1.10	6.19	1.60	0.73	5.34	1.64	1.51	5.95	0.57	0.76	5.96	0.08	1.32	
NK6KY3	7.95	0.08	0.50	5.90	-0.42	0.38	5.05	-0.65	0.13	5.87	0.01	0.52	5.93	-0.15	0.76	
NRNQWA	7.98	0.29	0.23	6.11	1.01	0.64	5.26	1.02	0.89	5.87	0.01	0.08	5.99	0.28	0.34	
NYKNJC	7.99	0.33	0.40	6.01	0.33	0.31	5.13	0.00	0.13	5.94	0.52	0.14	6.03	0.59	0.55	
PCMLAK	7.93	-0.04	1.39	5.89	-0.52	0.83	5.32	1.48	1.89	5.85	-0.17	0.28	5.94	-0.10	1.11	
PD2ZAC	7.87	-0.39	0.50	5.95	-0.12	1.06	5.11	-0.19	0.38	5.88	0.06	0.00	6.06	0.84	0.76	
PF9UCB	7.96	0.16	1.03	6.04	0.52	1.24	5.19	0.46	0.97	5.95	0.62	0.49	5.92	-0.20	0.67	
PVFC33	7.88	-0.29	0.30	5.96	-0.05	0.28	5.13	-0.03	0.22	5.90	0.22	0.28	6.13	1.40	0.25	
Q8R673	7.90	-0.20	3.97	5.97	0.02	4.20	5.07	-0.54	3.39	5.76	-0.88	4.69	5.97	0.13	1.27	
QEAHWE	7.80	-0.76	0.11	6.05	0.59	0.21	5.13	-0.05	0.51	5.77	-0.78	0.28	5.66	-2.19	0.46	
QRZFXD	7.95	0.12	0.80	5.88	-0.59	0.55	5.10	-0.30	0.78	5.83	-0.34	0.32	5.90	-0.38	0.58	
R6GG64	7.80	-0.80	0.23	5.84	-0.85	0.42	5.04	-0.75	1.18	5.67	-1.52	0.62	5.91	-0.28	0.67	
TAXTRJ	7.84	-0.56	0.05	6.07	0.75	0.21	5.23	0.77	0.08	5.88	0.06	0.22	6.03	0.59	0.08	
TUELKD	8.26	1.92	0.91	6.71	5.26X	2.34	6.13	8.05X	3.11	6.41	4.12	0.69	6.02	0.54	0.22	
UGLJGB	8.00	0.37	0.89	5.92	-0.28	0.46	5.10	-0.27	0.59	5.90	0.22	0.28	5.95	-0.03	0.51	
UVR43W	7.65	-1.66	0.71	5.96	-0.05	0.28	5.19	0.46	0.97	5.84	-0.24	0.24	5.76	-1.43	0.67	
UZW9U9	7.92	-0.06	0.30	5.92	-0.33	1.99	5.10	-0.30	0.90	6.02	1.11	0.29	6.03	0.61	0.80	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
V68HH4	7.97	0.22	0.52	6.12	1.08	0.52	5.29	1.24	0.71	5.76	-0.88	0.83	5.89	-0.46	0.80	
VGZ6QD	8.02	0.51	0.20	6.04	0.57	0.21	5.17	0.30	0.38	5.87	-0.01	0.37	6.02	0.54	0.76	
VLN4FG	8.00	0.39		6.10	0.97	0.00	5.20	0.54	0.00	6.00	0.98		6.10	1.15	0.00	
WETFPF	7.86	-0.43	0.20	5.98	0.14	0.10	5.15	0.11	0.13	5.91	0.32	0.16	5.96	0.05	0.25	
XPM6X2	7.94	0.02	0.46	5.73	-1.63	0.28	5.11	-0.19	0.67	5.82	-0.42	0.08	6.13	1.35	0.46	
YCHF4T	7.94	0.04	0.34	5.89	-0.54	0.21	5.12	-0.13	0.34	5.91	0.29	0.24	5.95	0.03	0.25	
ZFE4Z8	8.10	0.98	0.00	5.87	-0.68	1.05	5.23	0.81	1.28	5.73	-1.06	0.80	6.00	0.38		

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	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	7.93			5.96			5.13			5.87			5.95			
Median Abs Dev	0.09			0.08			0.07			0.05			0.07			
Avg Within Lab SD	0.05			0.06			0.05			0.07			0.05			
Labs Included	59			56			57			58			58			
Labs Reporting	59			59			59			59			59			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: Unit

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6G9P8D	8.17	0.52	0.95	6.10	0.19	0.00	5.30	0.27	0.00	6.10	0.89	0.00	6.43	2.02	0.85
6Z92A9	8.05	-0.07	0.09	5.98	-0.40	0.19	5.16	-0.43	0.05	5.96	0.06	0.24	6.03	0.04	0.23
7KQWHY	7.80	-1.29	1.80	5.88	-0.88	1.35	5.05	-0.94	0.35	5.58	-2.24	0.54	5.78	-1.18	0.47
8UDU46	7.53	-2.58	1.90	6.67	2.91	3.74	5.80	2.73	4.54	6.80	5.12X	1.55	7.03	4.94X	3.71
B28ZB4	7.99	-0.36	0.19	6.35	1.37	0.07	5.42	0.86	0.75	6.56	3.65	3.64	6.12	0.51	1.24
BUUREK	7.96	-0.49	0.16	5.94	-0.58	0.53	5.10	-0.70	0.33	5.86	-0.56	0.27	5.85	-0.80	0.09
CUUCHD	8.09	0.13	0.47	6.39	1.57	0.35	5.63	1.91	0.05	6.17	1.33	0.45	6.11	0.45	0.26
D2M42Q	7.66	-1.95	0.25	6.29	1.12	1.02	5.53	1.39	0.53	6.07	0.72	1.12	6.42	1.94	1.37
EGFWND	7.79	-1.34	0.34	5.64	-2.03	0.26	5.12	-0.63	0.13	5.61	-2.07	0.71	5.46	-2.74	0.37
FE4GUC	8.06	0.02	0.47	6.19	0.61	0.58	5.30	0.25	0.18	5.95	0.00	1.14	6.09	0.33	1.04
KL97YD	8.16	0.49	0.00	6.02	-0.21	0.31	5.19	-0.27	0.09	5.99	0.20	0.32	6.05	0.15	0.15
KQJ33M	7.98	-0.38	2.71	6.14	0.40	1.06	5.26	0.07	0.80	5.96	0.04	1.08	6.12	0.51	2.88
MQFG4C	8.15	0.44	0.91	6.32	1.26	0.43	5.47	1.09	0.66	6.08	0.75	0.85	6.09	0.35	0.88
NJDZEC	8.18	0.60	0.78	6.06	0.00	0.88	5.19	-0.27	0.09	5.98	0.18	0.32	6.00	-0.07	0.23
NK6KY3	8.11	0.23	0.81	6.01	-0.24	0.21	5.21	-0.17	0.09	6.00	0.26	0.24	6.03	0.04	0.23
PD2ZAC	8.09	0.13	0.41	6.22	0.78	0.26	5.77	2.60	0.39	5.98	0.18	0.32	6.10	0.41	0.09
PVFC33	8.14	0.41	0.34	6.05	-0.05	0.25	5.29	0.21	0.35	5.88	-0.44	1.08	5.98	-0.17	0.81
QEAHWE	7.95	-0.52	0.19	5.98	-0.38	0.42	5.23	-0.07	0.23	5.81	-0.85	0.50	5.70	-1.55	0.59
R3VWZY	8.12	0.29	0.16	6.06	0.00	0.00	5.23	-0.07	0.09	5.92	-0.22	0.09	6.01	-0.04	0.15
R6GG64	8.03	-0.15	0.43	5.91	-0.72	0.12	5.18	-0.30	0.28	5.91	-0.26	0.41	5.98	-0.17	0.31
RJ3W93	7.83	-1.13	1.85	5.97	-0.42	1.79	5.07	-0.86	1.03	5.86	-0.58	1.59	5.89	-0.62	2.05
RXHW48	7.73	-1.62	0.05	6.03	-0.16	0.36	5.35	0.52	0.08	5.94	-0.07	0.15	6.01	-0.05	0.21
TUELKD	8.39	1.63	1.62	7.07	4.84X	1.24	6.57	6.54X	0.85	6.78	4.99X	2.83	6.45	2.10	2.04
UVR43W	8.04	-0.11	0.62	6.04	-0.08	0.31	5.28	0.19	0.27	5.94	-0.08	0.41	5.88	-0.67	0.15
XGY367	8.06	0.00	0.87	6.25	0.90	0.55	5.29	0.21	0.22	5.90	-0.34	0.64	6.05	0.15	0.59
YP4GDK	8.07	0.05	0.59	6.07	0.05	1.00	5.19	-0.27	0.72	6.02	0.38	0.24	5.98	-0.17	0.43



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups															Data units: Unit		
SRS1801				SRS1802				SRS1803				SRS1804			SRS1805		
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		
ZLC4PY	8.32	1.28		6.11	0.24		5.20	-0.22		5.87	-0.50		5.96	-0.28			

pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups															Data units: Unit		
SRS1801				SRS1802				SRS1803				SRS1804			SRS1805		
Grand Median	8.06			6.06			5.25			5.95			6.02				
Median Abs Dev	0.09			0.09			0.06			0.06			0.08				
Avg Within Lab SD	0.06			0.08			0.11			0.06			0.07				
Labs Included	27			26			26			25			26				
Labs Reporting	27			27			27			27			27				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH (1:1) 0.01M CaCl_2 (SubTestCode 118) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4MZEDX	7.55	-0.18	0.00	5.76	0.55	0.00	4.99	0.97	0.00	5.15	0.59	0.00	5.37	0.80	0.00	
64JPEQ	7.52	-0.39	0.11	5.80	0.88	0.09	4.83	-0.25	0.13	5.04	-0.38	0.11	5.17	-0.46	0.13	
7KQWHY	7.41	-1.31	0.40	5.52	-1.59	0.00	4.68	-1.44	0.00	4.89	-1.79	0.23	5.19	-0.35	0.00	
9QYJUX	7.62	0.37	0.69	5.63	-0.61	0.16	4.99	1.00	1.14	5.07	-0.17	0.11	5.26	0.10	1.20	
A79PKN	7.63	0.47	1.11	5.63	-0.58	0.93	4.80	-0.50	0.00	5.03	-0.47	1.14	5.13	-0.71	1.31	
FGWKBQ	7.53	-0.31	1.11	5.63	-0.58	0.93	4.83	-0.25	1.29	5.03	-0.47	1.14	5.13	-0.71	1.31	
KQZF9B	7.42	-1.18	0.97	6.00	2.72	1.13	5.08	1.64	1.23	5.26	1.55	0.69	5.43	1.16	0.95	
LE6LAM	7.62	0.37	1.64	5.76	0.52	1.04	4.90	0.27	0.45	5.09	0.02	0.57	5.19	-0.35	0.60	
M2W4DD	7.26	-2.49	0.80	5.72	0.19	1.37	4.43	-3.35	2.00	4.84	-2.24	0.97	4.96	-1.82	1.59	
NYKNJC	7.62	0.37	0.38	5.73	0.31	0.09	4.87	0.06	0.34	5.09	0.05	0.20	5.34	0.61	0.45	
PCMCAK	7.72	1.15	0.51	5.61	-0.76	0.09	4.94	0.58	0.22	5.13	0.44	0.60	5.26	0.07	0.86	
PD2ZAC	7.55	-0.18	0.67	5.73	0.31	0.09	4.86	-0.06	0.13	5.08	-0.02	0.63	5.50	1.63	0.39	
Q8R673	7.67	0.73	2.94	5.63	-0.58	3.34	4.83	-0.25	2.58	5.00	-0.77	3.42	5.23	-0.07	2.62	
QEAHWE	7.53	-0.31	0.40	5.70	-0.01	0.33	4.90	0.27	0.80	5.21	1.13	0.71	5.18	-0.39	0.66	
QRZFXD	7.69	0.89	0.80	5.60	-0.85	0.65	4.85	-0.09	0.84	5.07	-0.17	0.63	5.21	-0.20	0.13	
UVR43W	7.47	-0.84	0.22	5.61	-0.82	0.25	4.78	-0.63	0.68	5.09	0.02	0.11	5.37	0.82	0.69	
UZW9U9	7.60	0.18	0.40	5.73	0.28	0.42	4.91	0.35	0.22	5.28	1.79	0.30	5.49	1.57	0.23	
VGZ6QD	7.62	0.39	0.29	5.70	0.01	0.16	4.89	0.17	0.78	5.10	0.14	0.20	5.29	0.31	0.57	

pH (1:1) 0.01M CaCl_2 (SubTestCode 118) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	7.57			5.70			4.87			5.09			5.25			
Median Abs Dev	0.05			0.07			0.04			0.05			0.08			
Avg Within Lab SD	0.05			0.06			0.04			0.05			0.04			
Labs Included	18			18			18			18			18			
Labs Reporting	18			18			18			18			18			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7KQWHY	7.58	0.02	0.37	5.64	-0.50	0.59	4.79	-0.72	0.00	4.97	-0.88	1.09	5.36	0.19	0.24	
7W7ATV	7.61	0.19	0.14	5.70	-0.13	0.28	4.91	0.08	0.14	5.13	0.21	0.34	5.40	0.43	0.24	
E6PNYW	7.37	-1.18	2.80	5.73	0.13	1.06	4.93	0.26	1.44	5.13	0.23	1.96	5.43	0.65	3.13	
EGFWND	7.33	-1.40	1.34	5.42	-2.04	0.49	4.65	-1.71	0.72	4.83	-1.82	0.85	4.98	-2.06	0.24	
KL97YD	7.81	1.36	0.28	5.73	0.13	0.42	4.91	0.10	0.00	5.10	0.01	0.34	5.38	0.33	0.21	
LW6CRB	7.38	-1.12	1.09	5.65	-0.43	2.88	4.74	-1.04	0.38	4.87	-1.53	2.12	5.16	-0.98	0.83	
NK6KY3	7.66	0.47	0.28	5.68	-0.27	0.21	4.83	-0.47	0.14	5.01	-0.59	0.34	5.24	-0.51	0.94	
PD2ZAC	7.57	-0.02	0.73	5.93	1.51	0.28	5.13	1.64	0.38	5.35	1.67	0.85	5.54	1.30	0.21	
PVFC33	7.67	0.53	0.37	5.75	0.22	0.21	4.88	-0.08	0.14	5.10	-0.01	0.20	5.29	-0.23	0.31	
TUELKD	7.40	-1.00	0.37	6.05	2.34	1.22	5.11	1.48	2.88	5.22	0.84	0.78	5.29	-0.19	0.12	
UVR43W	7.54	-0.21	0.14	5.74	0.17	0.32	4.94	0.33	0.88	5.11	0.10	0.20	5.47	0.90	0.47	
YCHF4T	7.68	0.59	0.14	5.68	-0.24	0.00	4.87	-0.17	0.00	5.07	-0.19	0.00	5.27	-0.31	0.12	

pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	7.57			5.72			4.90			5.10			5.33			
Median Abs Dev	0.10			0.04			0.06			0.06			0.08			
Avg Within Lab SD	0.04			0.05			0.04			0.03			0.05			
Labs Included	12			12			12			12			12			
Labs Reporting	12			12			12			12			12			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
D2M42Q	0.32		0.50	0.33		0.93	0.24		0.78	0.02		0.21	0.05		0.56	
KQJ33M	0.27		1.32	0.30		1.07	0.22		1.18	0.03		1.40	0.04		1.30	
Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	0.30			0.32			0.23			0.027			0.044			
Median Abs Dev																
Avg Within Lab SD	0.01			0.00			0.00			0.003			0.003			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4MZEDX	7.53	0.15	0.00	6.95	0.27	0.00	6.68	0.43	0.00	6.96	0.00	0.00	6.45	-0.69	0.00	
7KQWHY	7.39	-1.46	0.66	6.57	-1.57	1.35	6.31	-1.69	0.38	6.65	-2.02	0.89	6.29	-1.36	0.64	
E6PNYW	7.30	-2.51	2.50	6.77	-0.62	1.99	6.53	-0.41	2.85	6.87	-0.60	2.04	6.57	-0.18	2.69	
LAWQZR	7.52	0.00	0.68	6.84	-0.29	1.01	6.59	-0.10	0.51	6.99	0.19	0.77	6.61	0.00	0.68	
PCMCAK	7.51	-0.04	0.79	7.08	0.86	1.11	6.73	0.72	0.26	7.04	0.51	0.77	6.82	0.87	0.42	
PF9UCB				6.90	0.00	0.26	6.60	0.00	0.31	6.92	-0.26	1.40	6.69	0.34	0.72	
UZW9U9	7.59	0.89	0.17	7.02	0.58	0.10	6.80	1.13	0.07	7.14	1.14	0.27	6.86	1.05	0.13	
XGY367	7.52	0.00	0.44	7.06	0.78	0.91	6.76	0.89	0.56	7.00	0.28	0.89	6.83	0.91	0.42	
YCHF4T	7.55	0.35	0.08	6.67	-1.09	0.17	6.48	-0.70	0.07	6.79	-1.07	0.10	6.45	-0.66	0.15	

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	7.52			6.90			6.60			6.96			6.61			
Median Abs Dev	0.02			0.13			0.12			0.08			0.16			
Avg Within Lab SD	0.07			0.06			0.08			0.06			0.08			
Labs Included	8			9			9			9			9			
Labs Reporting	8			9			9			9			9			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups															Data units: Unit	
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	7.46	-0.90	2.41	7.02	0.39	0.30	6.51	-0.48	3.13	6.67	-1.00	3.24	6.58	-0.20	2.46	
6GPH9N	7.50	-0.08	0.20	6.60	-1.65	0.02	6.43	-0.92	0.13	6.68	-0.96	0.15	6.39	-1.27	0.02	
6VB748	7.52	0.42	1.39	6.87	-0.36	0.33	6.52	-0.44	0.41	6.77	-0.49	0.45	6.50	-0.64		
6Z92A9	7.47	-0.62	0.66	6.61	-1.62	0.11	6.43	-0.90	0.20	6.73	-0.68	0.00	6.33	-1.58	0.20	
9WPWT2	7.49	-0.28	0.00	6.68	-1.28	0.00	6.47	-0.69	0.00	6.76	-0.52	0.00	6.42	-1.09	0.00	
BKAJQQ	7.45	-1.04	0.25	6.62	-1.57	0.11	6.44	-0.87	0.11	6.72	-0.73	0.16	6.43	-1.05	0.11	
ENJQVR	7.50	-0.07		7.00	0.29		6.50	-0.53		6.90	0.21	1.57	6.70	0.46	0.00	
G42FUD	7.48	-0.48	0.87	6.94	0.00	0.63	6.70	0.51	0.11	6.93	0.35	0.48	6.65	0.17	0.11	
GWK6GC	7.50	0.00	0.25	6.95	0.05	0.11	6.65	0.27	0.20	6.94	0.40	0.24	6.67	0.31	0.11	
KDBGFN	7.53	0.62	1.09	6.98	0.18	0.73	6.72	0.66	1.02	6.98	0.65	0.92	6.71	0.50	0.99	
M2W4DD	7.48	-0.55	0.66	7.05	0.52	0.56	7.07	2.48	1.80	7.34	2.50	0.65	6.95	1.84	0.20	
MQFG4C	7.57	1.38	2.25	6.98	0.20	0.30	6.65	0.27	1.11	6.85	-0.07	0.09	6.59	-0.13	1.34	
NRNQWA	7.64	2.91	0.50	7.13	0.93	0.00	6.87	1.44	0.00	7.14	1.45	0.09	6.83	1.18	0.00	
PCMCAK	7.51	0.21	1.64	6.99	0.23	0.17	6.71	0.58	0.40	6.96	0.54	0.72	6.78	0.88	1.31	
QEAHWE	7.48	-0.42	0.50	6.84	-0.51	0.24	6.61	0.05	0.87	6.92	0.30	0.55	6.66	0.26	1.14	
QRZFXD	7.46	-0.90	0.43	6.71	-1.13	0.11	6.48	-0.62	0.11	6.78	-0.42	0.16	6.49	-0.68	0.11	
TAXTRJ	7.54	0.84	0.11	6.94	-0.01	0.03	6.58	-0.10	0.10	6.89	0.15	0.20	6.64	0.11	0.05	
UGLJGB	7.53	0.62	0.25	6.65	-1.44	0.40	6.46	-0.73	0.30	6.74	-0.63	0.16	6.40	-1.18	0.30	
V68HH4	7.54	0.76	1.30	6.63	-1.50	4.31	6.40	-1.06	1.99	6.55	-1.62	2.35	6.53	-0.48	3.12	
VGZ6QD	7.51	0.21	0.25	7.03	0.46	0.33	6.67	0.39	0.11	7.01	0.79	0.27	6.69	0.39	0.41	
VLN4FG	7.50	-0.07		7.00	0.29		6.60	0.00	0.00	6.83	-0.14	0.90	6.60	-0.09	0.00	
WETFPF	7.51	0.14	0.00	6.85	-0.44	0.11	6.65	0.28	0.30	6.86	0.00	0.27	6.62	0.00	0.11	
ZFE4Z8	7.60	2.01	0.00	7.03	0.46	0.66	6.83	1.24	1.15	7.03	0.91	0.90	6.80	1.01	0.00	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups						Data units: Unit
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	7.50	6.94	6.60	6.86	6.62	
Median Abs Dev	0.03	0.09	0.11	0.10	0.09	
Avg Within Lab SD	0.02	0.09	0.05	0.06	0.05	
Labs Included	23	23	23	23	23	
Labs Reporting	23	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit			
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805	
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		
7A3CM2	7.82		0.34	7.58		0.01	7.56	0.94	0.65	7.66	0.21	0.56	7.56		1.35		
ALACYW				6.41		2.00	7.37	-0.73	0.18	7.52	-2.74	0.21	7.27		0.31		
BDW47G	7.81		1.22	7.55		0.03	7.45	0.00	1.10	7.65	0.00	0.21	7.48		1.41		
KTF3DR							7.63	1.64	1.81	7.67	0.42	2.13					
UZW9U9	7.80		1.18	7.62		0.02	7.45	-0.06	0.18	7.65	0.00	0.21	7.46		0.31		
Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit			
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805	
Grand Median	7.81			7.57			7.45			7.65			7.47				
Median Abs Dev							0.08			0.01							
Avg Within Lab SD	0.02			0.86			0.03			0.03			0.02				
Labs Included	3			4			5			5			4				
Labs Reporting	3			4			5			5			4				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4MZEDX	7.01	-1.09	0.14	6.79	0.01	0.04	6.73	1.35	0.06	6.83	0.86	0.04	6.66	0.38	0.00	
JA8FCU	7.20	0.42	0.00	6.83	0.29	2.52	6.53	0.07	1.83	6.73	0.07	2.31	6.67	0.45	1.52	
KQZF9B	7.17	0.15	0.41	6.79	-0.01	0.22	6.47	-0.33	0.63	6.72	-0.07	0.90	6.61	0.04	0.40	
M2W4DD	6.76	-3.12	0.71	6.45	-2.37	0.95	6.28	-1.55	0.84	6.47	-2.16	0.70	6.37	-1.57	0.55	
QEAHWE	7.17	0.17	0.71	6.60	-1.33	0.22	6.26	-1.68	0.55	6.60	-1.05	0.53	6.39	-1.39	0.66	
QRZFXD	7.15	0.01	0.71	6.64	-1.03	0.25	6.51	-0.07	0.32	6.71	-0.10	0.23	6.59	-0.04	0.80	
UZW9U9	7.10	-0.42	2.48	6.83	0.25	0.70	6.56	0.22	1.74	6.84	0.99	1.01	6.68	0.56	2.01	
VGZ6QD	7.15	-0.01	0.41	6.81	0.11	0.25	6.54	0.12	0.32	6.74	0.10	0.12	6.46	-0.96	0.30	

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	7.15			6.79			6.52			6.73			6.60			
Median Abs Dev	0.04			0.04			0.04			0.06			0.08			
Avg Within Lab SD	0.01			0.05			0.03			0.05			0.04			
Labs Included	8			8			8			8			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
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	
387PJL				6.30		0.71	6.05		0.51	6.20		0.94	6.11		0.88	
7W7ATV	6.74		0.84	6.33		0.19	6.14		0.17	6.29		0.33	6.20		0.48	
M2W4DD	6.89		1.14	6.20		0.90	6.04		0.89	6.23		0.54	6.02		0.69	
Q8R673				6.30		1.63	6.03		1.71	6.23		1.65	6.13		1.59	
Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	6.82			6.30			6.05			6.23			6.12			
Median Abs Dev																
Avg Within Lab SD	0.02			0.06			0.03			0.07			0.04			
Labs Included	2			4			4			4			4			
Labs Reporting	2			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3ZUC2Q	45.6	0.5		109.8	0.9		103.7	0.6		4.7	0.3		2.3	-0.2		
4NXA79	39.4	-0.8	0.3	100.9	0.5	0.3	96.1	0.0	1.0	5.4	0.8	0.5	3.0	0.7	0.7	
6VB748	41.7	-0.3	0.2	70.0	-0.8	0.6	81.7	-1.2	0.7	4.5	0.1		1.8	-0.7	0.6	
6Z92A9	36.3	-1.5	0.2	71.0	-0.8	0.8	88.3	-0.7	1.6	3.0	-1.0	2.4	0.6	-2.1	0.2	
7A3CM2	24.4	-4.0X	0.8	41.3	-2.1	1.4	47.6	-3.9X	2.0	1.7	-1.9	0.5	1.4	-1.2	0.6	
7KQWHY	33.6	-2.1	0.8	77.5	-0.5	0.8	72.3	-1.9	2.7							
7QB97Z	44.1	0.2	0.3	108.5	0.8	0.2	104.7	0.6	0.4	4.8	0.4	0.2	2.7	0.3	0.2	
8UDU46	47.7	1.0	0.8	106.7	0.7	1.3	98.3	0.1	1.0	4.1	-0.1	0.8	2.4	0.0	0.1	
9WPWT2	42.4	-0.2	0.0	92.7	0.1	0.0	93.7	-0.2	0.0	4.5	0.1		2.1	-0.4	0.0	
AW6FDX	45.3	0.5	0.3	87.0	-0.1	0.2	99.0	0.2	0.9	3.6	-0.5	1.2	2.9	0.5	0.8	
B28ZB4	41.7	-0.3	0.1	97.6	0.4	0.2	92.5	-0.3	0.1	3.9	-0.3	0.5	2.2	-0.3	0.1	
BDW47G	43.1	0.0	0.1	78.2	-0.5	0.2	91.3	-0.4	0.5	1.2	-2.3	0.0	2.2	-0.3	0.3	
CNPL2T	35.8	-1.6	0.1	99.8	0.5	0.7	89.7	-0.5	0.4	7.6	2.4	0.1	6.5	4.8X	0.1	
CUUCHD	43.3	0.0	0.1	117.0	1.2		110.7	1.1	0.2	4.7	0.3	0.1	2.4	-0.1	0.0	
D8CLGN	39.0	-0.9	1.2	88.3	0.0	0.8	99.7	0.3	1.2	5.5	0.9	0.2	3.6	1.4	0.7	
E6PNYW	44.5	0.3	0.3	101.0	0.5	0.4	98.3	0.1	0.9	4.5	0.2	0.4	2.5	0.1	0.2	
FE4GUC	43.2	0.0	0.8	99.2	0.4	0.6	97.1	0.0	1.1	4.3	0.0	1.1	2.4	0.0	0.7	
G42FUD	45.4	0.5	0.6	83.3	-0.3	0.4	94.6	-0.2	1.2	4.5	0.1	0.4	3.0	0.6	1.1	
GWK6GC	43.5	0.1	0.1	78.2	-0.5	0.1	92.9	-0.3	0.3	3.5	-0.6	0.1	1.3	-1.3	0.3	
JA8FCU	40.3	-0.6	0.2	81.2	-0.3	0.5	99.6	0.2	0.8	4.3	0.0	0.7	2.0	-0.5	0.2	
JWACDK	45.9	0.6	0.2	115.9	1.1	0.5	111.8	1.2	0.5	4.4	0.0	0.3	2.5	0.0	0.1	
KDBGFN	39.1	-0.9	0.4	67.2	-0.9	0.3	83.4	-1.0	0.8	4.6	0.2	0.5	2.5	0.1	0.1	
KQJ33M	50.3	1.5	0.4	90.1	0.0	3.4	102.4	0.5	0.9	7.6	2.4	2.3	5.5	3.6	2.5	
KQZF9B	44.8	0.3	0.6	76.3	-0.6	1.3	82.4	-1.1	2.6	4.4	0.1	1.2	2.6	0.2	0.5	
LAWQZR	42.7	-0.1	0.5	101.7	0.5	0.4	102.8	0.5	0.5	5.0	0.5	0.7	4.3	2.2	1.2	
LE6LAM	47.9	1.0	0.1	113.5	1.0	0.2	108.1	0.9	1.5	5.4	0.8	3.1	2.3	-0.2	0.2	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2W4DD	46.7	0.8	0.2	111.3	0.9	1.0	101.3	0.4	2.0	4.0	-0.2		3.0	0.7		
NRNQWA	42.8	-0.1	0.4	64.9	-1.0	0.2	80.3	-1.3	0.3	2.8	-1.1	0.2	1.1	-1.6	0.0	
PCMCAK	48.0	1.0	0.2	107.5	0.8	0.7	99.3	0.2	0.3	3.3	-0.7	1.4	2.2	-0.3	0.3	
PF9UCB	51.3	1.7	5.6	64.6	-1.1	3.5	65.8	-2.4	1.2	2.7	-1.2	1.7	2.4	0.0	4.5	
PNHMJD	39.5	-0.8	0.1	103.0	0.6		97.7	0.1	0.1	3.7	-0.4	0.4	2.1	-0.4	0.1	
QEAHWE	43.1	0.0	0.2	78.8	-0.4	0.1	104.6	0.6	0.4	3.9	-0.3	0.5	1.9	-0.6	0.3	
QRZFXD	43.4	0.1	1.2	81.9	-0.3	0.8	96.6	0.0	0.6	4.0	-0.2	0.9	2.4	0.0	0.6	
RXHW48	45.5	0.5	0.3	114.8	1.1	0.2	106.9	0.8	0.5	4.8	0.4	0.1	2.7	0.3	0.3	
UZW9U9	44.3	0.2	0.1	101.5	0.5	0.3	95.6	-0.1	0.1	1.6	-2.0	0.2	3.5	1.2	0.9	
V68HH4	41.7	-0.3	0.0	75.0	-0.6	1.0	84.9	-0.9	0.9	4.3	0.0	0.2	3.1	0.8	0.5	
WETFPF	35.8	-1.6	0.1	61.8	-1.2	0.2	75.8	-1.6	0.4	1.2	-2.3	0.2	1.6	-1.0	0.2	
XGY367	37.3	-1.3	0.6	65.2	-1.0	0.2	81.2	-1.2	0.3	6.3	1.4	1.1	6.0	4.2X	0.6	
YCHF4T	43.7	0.1	0.1	100.7	0.5	0.3	100.6	0.3	0.5	4.2	-0.1	0.1	2.3	-0.2	0.2	
YP4GDK	45.2	0.4	0.2	104.4	0.7	0.7	112.1	1.2	0.8	4.8	0.3	0.3	2.9	0.6	0.6	
ZFE4Z8	40.1	-0.7	0.1	68.5	-0.9	0.2	88.2	-0.7	0.4	3.7	-0.5	0.7	2.0	-0.5		
ZLC4PY	32.0	-2.4		77.0	-0.5		78.0	-1.5		4.4	0.1		3.5	1.2		

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	43.2			89.2			96.6			4.30			2.43			
Median Abs Dev	2.4			13.4			6.9			0.50			0.43			
Avg Within Lab SD	3.3			4.5			2.8			0.42			0.45			
Labs Included	41			42			41			41			39			
Labs Reporting	42			42			42			41			41			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	75.2	1.2	2.3	108.5	1.2	1.6	96.2	0.3	1.8	5.7	1.4	1.9	4.1	1.3	1.5	
6G9P8D	39.0	0.0	0.5	67.3	0.0	1.3	86.7	0.0	1.6	3.7	-0.6	0.9	2.0	-0.5		
BKAJQQ	26.8	-0.4	0.3	68.0	0.0	0.2	65.0	-0.7	0.4	4.3	0.0	0.7	3.5	0.8	1.2	
DF8AMR	39.7	0.0	0.1	57.7	-0.3	0.3	64.3	-0.7	0.7	5.0	0.7		4.0	1.2		
UGLJGB	82.5	1.4	1.2	100.3	1.0	1.6	103.5	0.5	0.6	5.0	0.7	0.2	2.5	0.0	0.2	
VLN4FG	59.7	0.7	0.1	90.7	0.7	0.3	101.0	0.4	0.3	4.0	-0.2		2.0	-0.5		
XFWJR3	9.5	-1.0	0.3	15.4	-1.6	0.2	15.5	-2.2	0.2	3.2	-1.0	0.3	2.0	-0.5	0.3	

NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	39.7			68.0			86.7			4.25			2.55			
Median Abs Dev	20.0			22.7			16.9			0.70			0.59			
Avg Within Lab SD	4.0			5.8			3.8			0.63			0.65			
Labs Included	7			7			7			7			7			
Labs Reporting	7			7			7			7			7			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
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	
3WECRP	39.2		0.6	83.7		1.0	83.8		0.4	6.4		1.1	3.1		0.2	
6GPH9N	45.7		1.0	103.2		1.3	98.5		1.8	5.0		1.6	1.5		0.7	
ALACYW	47.3		0.4	118.6		0.4	108.8		0.8	4.9		0.2	3.0		0.2	
B6WAQM	48.1		1.6	167.6		1.1	161.6		0.0	5.1		0.1	6.9		1.9	
NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	46.5			110.9			103.6			5.04			3.05			
Median Abs Dev																
Avg Within Lab SD	1.3			5.7			4.1			0.92			0.82			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3-N Ion Chr. (SubTestCode 130) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg		
													SRS1805		
SRS1801				SRS1802				SRS1803				SRS1804			
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
NK6KY3	52.8		0.1	154.7		0.4	138.0		0.0	6.2		0.4	3.3		0.5
Q8R673	39.7		1.4	63.5		1.3	79.8		1.4	3.3		1.3	1.9		1.3
NO3-N Ion Chr. (SubTestCode 130) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg		
													SRS1805		
SRS1801				SRS1802				SRS1803				SRS1804			
Grand Median	46.3			109.1			108.9			4.75			2.60		
Median Abs Dev															
Avg Within Lab SD	7.8			3.5			26.2			1.50			1.15		
Labs Included	2			2			2			2			2		
Labs Reporting	2			2			2			2			2		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	5.1	-0.6	0.2	40.0	-0.8	3.2	27.9	-1.0	0.3	4.0	0.0	0.6	10.8	-0.6	1.2	
6Z92A9	10.7	2.4	2.1	39.7	-0.8	0.6	30.3	-0.7	1.5	9.7	3.9X	2.1	12.7	0.2	1.1	
7KQWHY	4.1	-1.2	1.4	56.5	0.3	0.3	40.2	0.6	1.9	1.2	-1.8	0.6	9.4	-1.1	0.1	
7QB97Z	7.1	0.4	0.5	61.8	0.7	0.2	38.1	0.3	0.5	4.4	0.3	0.3	13.4	0.4	0.4	
8UDU46	5.0	-0.7	0.3	56.1	0.3	1.2	31.6	-0.5	0.3	3.0	-0.6	0.4	9.9	-0.9	1.3	
9WPWT2	5.8	-0.3	0.0	43.5	-0.5	0.0	27.6	-1.0	0.0	3.9	0.0	0.0	10.4	-0.7	0.0	
ALACYW	4.6	-0.9	0.3	40.3	-0.8	0.1	30.3	-0.7	0.4	3.4	-0.3	0.2	13.0	0.3	0.2	
AW6FDX	7.8	0.8	0.3	52.0	0.0	1.1	38.3	0.3	1.1	5.8	1.3	0.3	12.4	0.1	0.7	
B28ZB4	5.3	-0.5	0.1	50.6	-0.1	0.1	31.6	-0.5	0.4	3.0	-0.6	0.0	10.4	-0.7	0.2	
BDW47G	8.3	1.1	0.0	51.1	0.0	0.7	37.2	0.2	0.5	5.6	1.2	0.1	12.3	0.0	0.3	
CNPL2T	6.2	0.0	1.0	100.9	3.3X	1.2	60.8	3.2X	1.8	3.2	-0.5	0.9	13.4	0.4	0.2	
E6PNYW	7.0	0.4	0.8	61.2	0.7	0.3	37.8	0.3	0.3	4.1	0.1	3.5	12.1	-0.1	2.2	
FE4GUC	8.2	1.0	1.1	57.4	0.4	1.1	35.5	0.0	0.9	4.4	0.3	0.5	13.4	0.4	1.2	
GWK6GC	7.1	0.4	0.0	48.3	-0.2	0.2	36.8	0.1	0.3	4.3	0.3	0.2	11.6	-0.3	0.0	
JA8FCU	6.0	-0.2	0.4	45.2	-0.4	0.0	36.3	0.1	0.8	3.7	-0.1	0.1	10.0	-0.9	0.5	
JWACDK	6.6	0.2	0.0	63.6	0.8	0.1	39.5	0.5	0.1	4.2	0.2	0.1	13.7	0.6	0.1	
KQZF9B	4.4	-1.0	1.7	21.0	-2.1	0.3	17.1	-2.4	0.4	3.6	-0.2	2.4	5.5	-2.6	2.0	
LAWQZR	7.7	0.8	0.9	63.5	0.8	1.1	42.1	0.8	1.5	5.0	0.7	0.6	14.8	1.0	1.1	
LE6LAM	5.7	-0.3	0.1	46.2	-0.4	0.1	30.1	-0.7	0.2	3.7	-0.1	0.1	11.6	-0.2	0.3	
M2W4DD	12.0	3.1X	1.8	73.7	1.5	0.2	44.0	1.1	1.5	8.0	2.8	1.9	17.0	1.8	1.8	
PCMCAK	6.8	0.3	0.4	60.0	0.6	0.6	31.4	-0.5	0.2	3.6	-0.2	0.6	11.6	-0.2	0.6	
PF9UCB	5.7	-0.3	0.6	59.7	0.5	3.2	35.0	-0.1	3.2	3.5	-0.3	0.9	12.7	0.2	1.5	
PNHMJD	7.7	0.7	1.1	57.0	0.4	0.4	40.7	0.6	0.4	5.0	0.7		13.7	0.5	1.1	
QEAHWE	7.6	0.7	0.8	48.6	-0.2	0.2	39.6	0.5	0.8	4.8	0.6	0.6	13.4	0.4	1.7	
QRZFXD	6.3	0.0	2.1	37.2	-1.0	0.9	31.9	-0.5	1.7	3.5	-0.3	1.0	9.4	-1.1	1.2	
RXHW48	4.6	-0.9	2.8	24.7	-1.8	0.2	20.4	-2.0	0.2	0.7	-2.2	0.4	2.2	-3.8X	0.7	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
WETFPF	5.6	-0.4	0.1	35.4	-1.1	0.1	28.7	-0.9	0.0	2.7	-0.9	0.1	9.5	-1.0	0.2	
YCHF4T	8.2	1.0	0.1	71.4	1.3	0.3	46.2	1.4	0.2	5.5	1.1	0.0	14.5	0.8	0.4	
YP4GDK	7.8	0.8	0.8	53.1	0.1	0.8	38.5	0.4	0.4	5.7	1.2	0.9	15.1	1.1	0.4	
ZFE4Z8	6.3	0.0	0.2	56.2	0.3	0.3	35.9	0.0	0.6	4.3	0.3	0.3	12.2	0.0	0.4	
ZLC4PY	2.6	-2.0		30.0	-1.4		25.0	-1.4		2.6	-0.9		7.6	-1.8		

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	6.29			51.5			35.7			3.93			12.2			
Median Abs Dev	1.22			8.3			4.2			0.61			1.4			
Avg Within Lab SD	0.55			2.5			1.4			0.54			0.5			
Labs Included	30			30			30			30			30			
Labs Reporting	31			31			31			31			31			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	5.7	1.2	1.3	25.2	-1.8	0.9	35.1	-2.3	0.6	11.0	0.2	1.9	7.0	-1.5	2.9	
4MZEDX	30.9	13.6X	0.0	51.4	1.0	0.0	48.6	0.2	0.0	13.6	1.7	0.0	11.9	1.6	0.0	
64JPEQ	1.3	-1.0	0.1	51.5	1.0	0.0	46.2	-0.2	0.1	8.5	-1.2	0.1	8.5	-0.5	0.0	
6VB748	2.0	-0.6		33.7	-0.9	0.4	46.7	-0.1	0.6	10.7	0.0	1.3	9.3	0.0	1.0	
6Z92A9	2.7	-0.3	1.2	46.3	0.5	0.9	47.3	0.0	0.3	11.3	0.4	1.3	11.0	1.0		
7KQWHY	5.1	0.9	1.4	28.8	-1.4	2.5	40.6	-1.3	3.7	12.7	1.1	1.9	9.0	-0.2	0.9	
9QYJUX	1.3	-0.9	0.1	33.1	-0.9	1.5	38.6	-1.7	1.8	8.4	-1.3	0.3	8.9	-0.3	1.0	
A79PKN	1.3	-0.9	0.4	35.4	-0.7	0.4	39.6	-1.5	0.7	9.1	-0.9	0.3	9.4	0.0	0.3	
AA87UW	5.0	0.9		50.0	0.8	0.7	49.5	0.4		10.8	0.1	0.6	10.3	0.6	0.5	
ALACYW	7.5	2.1	0.5	41.7	0.0	0.4	52.5	1.0	0.1	14.2	2.0	1.1	11.7	1.5	0.5	
BDW47G	4.5	0.6	0.2	41.8	0.0	1.1	49.7	0.5	0.4	11.0	0.2	0.3	9.2	-0.1	0.7	
ENJQVR	1.5	-0.9	0.8	54.2	1.3	0.4	53.5	1.2	0.2	9.7	-0.5	0.1	8.8	-0.3	0.1	
FGWKBQ	1.6	-0.8	0.4	37.5	-0.5	1.0	38.3	-1.7	0.4	10.0	-0.4		9.5	0.1	0.4	
G42FUD	2.7	-0.3	1.2	51.3	1.0	0.9	52.0	0.9	1.1	12.7	1.1	2.5	11.0	1.0	1.8	
GWK6GC	4.3	0.6	0.7	50.1	0.8	0.8	52.3	0.9	1.0	11.0	0.2	0.4	10.5	0.7	0.3	
JA8FCU	3.1	0.0	0.3	45.1	0.3	0.6	47.3	0.0	0.2	10.1	-0.3	0.1	9.2	-0.1	0.2	
KDBGFN	1.0	-1.1		38.7	-0.3	1.7	47.3	0.0	0.3	10.3	-0.2	1.3	9.0	-0.2		
KQZF9B	3.0	-0.1	0.5	30.6	-1.2	1.2	42.5	-0.9	1.1	9.2	-0.8	0.9	9.3	0.0	1.1	
MQFG4C	4.8	0.8	0.5	51.3	1.0	0.5	48.8	0.3	0.5	9.2	-0.8	0.2	10.1	0.5	0.3	
NYKNJC	4.7	0.7	0.2	56.6	1.5	0.3	52.5	1.0	0.2	11.3	0.4	0.2	11.8	1.6	0.1	
PCMCAK	4.7	0.7	1.2	42.0	0.0	1.3	45.3	-0.4	0.3	11.0	0.2		10.7	0.8	1.0	
QEAHWE	1.5	-0.8	0.6	37.5	-0.5	0.7	44.5	-0.5	0.7	8.7	-1.1	0.4	9.4	0.0	0.5	
QRZFXD	3.1	-0.1	3.2	38.7	-0.3	1.6	44.2	-0.6	0.5	10.6	-0.1	0.7	9.2	-0.1	1.7	
UGLJGB	3.3	0.0	1.4	37.4	-0.5	0.6	49.8	0.5	0.8	11.2	0.3	0.3	8.2	-0.7	0.1	
V68HH4	4.0	0.4	0.3	47.3	0.6	0.6	48.7	0.3	0.9	9.9	-0.4	0.5	10.3	0.6	1.7	
VGZ6QD	4.6	0.7	0.2	41.6	0.0	0.4	44.7	-0.5	0.1	10.5	-0.1	0.7	8.3	-0.7	0.3	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
SRS1801				SRS1802			SRS1803			SRS1804			SRS1805			
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	
VLN4FG	5.3	1.0	1.2	46.0	0.4		46.0	-0.3		12.3	0.9	1.3	12.0	1.7		
WETFPF	3.1	-0.1	0.6	42.7	0.1	0.9	48.7	0.3	0.3	10.0	-0.4		8.7	-0.4	1.0	
XGY367	4.1	0.4	0.3	45.0	0.3	1.2	49.0	0.3	1.3	14.7	2.3	1.4	13.0	2.3	0.9	

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
SRS1801				SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	3.21			42.0			47.3			10.7			9.35			
Median Abs Dev	1.48			5.3			2.5			0.7			0.85			
Avg Within Lab SD	0.47			1.3			1.8			0.5			0.55			
Labs Included	28			29			29			29			29			
Labs Reporting	29			29			29			29			29			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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
E6PNYW	4.1		0.9	33.0		1.2	43.0		1.6	10.8		1.2	9.9		0.5			
LAWQZR	4.6		0.6	35.6		1.0	44.0		0.8	12.3		1.2	11.2		0.7			
XPM6X2	1.8		0.0	24.6		0.1	37.9		0.0	9.5		0.0	6.9		0.0			
ZLC4PY	34.5		1.7	40.5		1.3	38.0		0.9	9.0		1.0	9.5		1.8			
PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	4.35			34.3			40.5			10.1			9.72					
Median Abs Dev																		
Avg Within Lab SD	0.42			1.6			1.7			1.4			1.18					
Labs Included	4			4			4			4			4					
Labs Reporting	4			4			4			4			4					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3WECRP	15.0	2.2	1.0	55.2	2.4	2.9	45.9	2.9X	1.4	8.4	1.3	0.6	10.2	1.5	0.9		
3ZUC2Q	4.4	-1.0		18.6	-1.6		18.7	-1.2		3.2	-1.3		3.1	-1.3			
4NXA79	9.0	0.4	0.2	34.9	0.2	0.9	27.6	0.1	1.9	6.2	0.2	0.4	9.2	1.1	2.8		
6GPH9N	8.5	0.2	0.1	27.1	-0.7	1.1	22.0	-0.7	1.0	5.8	0.0	0.6	6.4	0.0	0.7		
6VB748	7.7	0.0	0.6	25.3	-0.9	0.2	24.0	-0.4	0.7	5.0	-0.4		4.3	-0.8	0.5		
6Z92A9	6.7	-0.3	1.2	29.3	-0.4	0.2	25.0	-0.3	1.3	4.0	-0.9	1.6	5.0	-0.5	0.9		
7QB97Z	9.3	0.5	0.6	41.7	0.9	0.6	29.0	0.3	0.7	8.7	1.4	0.9	9.3	1.2	0.5		
8UDU46	7.3	-0.1	0.2	52.0	2.0	1.1	36.0	1.4	2.0	7.7	0.9	0.6	8.6	0.9	0.1		
ALACYW	10.8	1.0	0.5	32.9	0.0	0.9	26.1	-0.1	0.9	7.2	0.7	1.7	7.9	0.6	0.7		
B28ZB4	8.9	0.4	0.2	38.7	0.6	0.5	29.2	0.4	0.2	7.0	0.6	0.2	9.0	1.0	0.1		
B6WAQM	8.4	0.2	1.1	29.7	-0.4	0.3	25.8	-0.1	0.9	7.6	0.9	2.2	6.8	0.2	0.4		
BKAJQQ	9.2	0.5	0.7	43.0	1.1	0.3	38.8	1.9	0.2	7.8	1.0	0.4	7.7	0.5	0.3		
CNPL2T	6.2	-0.5	0.3	26.4	-0.7	0.3	18.3	-1.3	0.6	5.1	-0.3	0.5	4.9	-0.6	0.1		
D8CLGN	8.5	0.2	0.4	34.5	0.1	1.3	26.2	-0.1	1.9	3.9	-0.9	1.9	5.7	-0.2	1.6		
E6PNYW	12.3	1.4	1.2	35.7	0.3	2.8	28.0	0.2	1.1	8.7	1.4	0.9	10.0	1.4	0.9		
FE4GUC	7.5	-0.1	0.9	31.6	-0.2	0.9	26.7	0.0	0.9	5.7	-0.1	0.9	6.1	-0.1	0.5		
G42FUD	8.3	0.2	0.6	28.0	-0.6	0.4	22.7	-0.6	0.4	6.0	0.1		6.3	0.0	0.5		
JA8FCU	5.0	-0.8	0.2	21.9	-1.2	0.1	22.8	-0.6	0.4	4.0	-0.9	0.8	5.1	-0.5	0.5		
KDBGFN	8.1	0.1	0.2	34.7	0.2	1.2	28.5	0.3	0.8	6.1	0.1	1.0	6.0	-0.1	0.9		
LAWQZR	6.1	-0.5	0.6	33.9	0.1	0.6	27.4	0.1	2.0	5.4	-0.2	0.5	6.2	0.0	0.4		
M2W4DD	14.7	2.1	0.6	41.3	0.9	0.2	35.7	1.4	0.4	12.0	3.0		15.7	3.6	1.0		
NRNQWA	47.0	12.1X	0.2	170.2	14.8X	0.2	167.1	21.6X	0.1	33.0	13.1X	0.4	38.4	12.5X	0.4		
PCMCAK	6.3	-0.4	0.6	31.7	-0.2	0.6	23.7	-0.5	1.0	3.3	-1.2	0.9	4.0	-0.9	0.9		
PF9UCB	4.7	-0.9	2.0	33.2	0.0	1.4	23.4	-0.5	1.2	5.7	-0.1	1.3	9.1	1.1	2.3		
PNHMJD	14.7	2.1	0.6	63.3	3.3X	1.2	34.7	1.2	1.0	15.7	4.8X	1.8	19.0	4.9X			
QEAHWE	16.9	2.8	1.3	36.7	0.4	0.3	32.0	0.8	1.0	5.7	0.0	0.8	7.0	0.3	0.7		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
QRZFXD	6.6	-0.4	0.4	30.6	-0.3	1.0	23.6	-0.5	0.6	4.0	-0.9	0.9	3.4	-1.1	0.8		
RXHW48	7.3	-0.1	0.2	27.7	-0.6	0.2	20.7	-0.9	0.1	5.3	-0.3	0.9	5.9	-0.2	0.1		
UGLJGB	6.8	-0.3	0.6	29.4	-0.4	0.3	22.3	-0.7	0.3	4.7	-0.6	0.3	5.2	-0.4	0.2		
V68HH4	5.8	-0.6	0.6	25.3	-0.9	0.3	23.6	-0.5	0.4	4.0	-0.9	0.7	5.1	-0.5	0.1		
VLN4FG	6.7	-0.3	0.6	37.3	0.4	0.2	35.0	1.3	0.7	6.0	0.1		7.0	0.3			
WETFPF	7.7	0.0	0.2	33.0	0.0	0.4	28.3	0.2	0.8	5.8	0.0	0.3	5.9	-0.2	0.1		
XFWJR3	9.2	0.5	3.9	53.5	2.2	0.3	37.7	1.7	0.1	5.3	-0.3	1.4	7.0	0.2	2.5		
XGY367	4.5	-1.0	0.4	39.0	0.6	1.3	35.0	1.3	1.3	8.7	1.4	0.9	4.7	-0.7	0.5		
XPM6X2	31.1	7.2X	0.6	42.1	1.0	0.1	31.0	0.7	0.0	6.5	0.4	0.1	6.6	0.1	0.1		

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups															Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	7.73			33.2			26.7			5.80			6.33				
Median Abs Dev	1.40			5.2			3.3			1.23			1.33				
Avg Within Lab SD	0.95			2.4			1.5			0.64			1.14				
Labs Included	33			33			33			33			33				
Labs Reporting	35			35			35			35			35				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ALACYW	17.90		0.08	4.57		0.08	2.03		0.16	1.10		0.00	0.95		0.20	
E6PNYW	22.47		1.21	5.68		0.87	2.57		1.40	1.63		1.41	1.40		1.40	
Q8R673	15.50		1.24	2.17		1.50	1.00			1.00			1.00			
PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	17.9			4.57			2.03			1.10			1.00			
Median Abs Dev																
Avg Within Lab SD	1.2			0.70			0.35			0.39			0.25			
Labs Included	3			3			3			3			3			
Labs Reporting	3			3			3			3			3			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
SRS1801				SRS1802			SRS1803			SRS1804			SRS1805			
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	
8UDU46	19.0			36.3		0.4	42.0		0.6	11.0		1.4	9.4		0.7	
FE4GUC	16.9		1.0	31.2		1.4	38.4		1.3	8.8		0.1	6.4		1.2	
PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
SRS1801				SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	18.0			33.8			40.2			9.90			7.88			
Median Abs Dev																
Avg Within Lab SD	1.5			1.4			1.6			0.71			0.50			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ALACYW	86.0	0.4	0.6	116.7	-0.1	0.9	79.0	-0.4	0.5	21.3	0.8	0.8	22.0	-1.0	0.5	
G42FUD	85.3	0.4	0.4	128.7	0.6	0.7	88.3	0.4	0.3	20.0	0.3	0.5	27.7	0.3	0.6	
JA8FCU	78.0	-0.2	1.1	125.0	0.4	0.4	89.3	0.5	1.1	19.3	0.0	0.4	27.1	0.2	0.7	
PCMCAK	61.3	-1.6	1.0	93.3	-1.6	0.3	69.7	-1.3	0.3	17.0	-0.8	0.5	20.0	-1.5	0.5	
QEAHWE	84.6	0.3	1.6	127.7	0.5	0.7	88.3	0.4	0.6	19.2	0.0	0.4	26.6	0.1	0.3	
QRZFXD	78.2	-0.2	1.6	114.4	-0.3	1.4	81.6	-0.2	1.4	24.1	1.7	2.3	27.4	0.3	2.2	
WETFPF	83.3	0.2	0.4	121.3	0.1	0.5	86.3	0.2	0.5	19.0	-0.1		26.0	-0.1		
ZLC4PY	56.5	-2.0	0.4	89.0	-1.8	1.9	61.0	-2.0	1.9	14.5	-1.7	0.4	18.0	-2.0	0.8	

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	80.8			119.0			84.0			19.2			26.3			
Median Abs Dev	4.2			7.3			4.7			1.5			1.3			
Avg Within Lab SD	1.6			2.2			2.2			1.8			1.9			
Labs Included	8			8			8			8			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4-P Water Soluble (SubTestCode 139) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
6GPH9N	0.22		0.66	0.25		1.27	0.24		0.98	0.23		1.33	0.26		0.94			
YCHF4T	3.48		1.25	2.36		0.63	1.93		1.02	1.51		0.48	0.61		1.06			
PO4-P Water Soluble (SubTestCode 139) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	1.85			1.30			1.09			0.87			0.44					
Median Abs Dev																		
Avg Within Lab SD	0.08			0.05			0.08			0.06			0.06					
Labs Included	2			2			2			2			2					
Labs Reporting	2			2			2			2			2					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	15.6	2.2	0.5	94.5	1.5	1.0	27.3	1.9	1.0	6.3	1.5	0.5	11.1	1.5	0.1
6VB748	9.7	0.1	0.7	42.0	-0.7	0.3	10.3	-0.6	0.5	3.7	0.1	1.0	4.0	-0.6	
6Z92A9	11.0	0.5		53.3	-0.2	0.7	20.7	0.9	0.5	3.0	-0.2		6.0	0.0	
7A3CM2	42.8	12.1X	2.9	94.4	1.5	2.4	30.1	2.3	3.2	5.9	1.3	2.7	11.6	1.6	3.6
7KQWHY	8.9	-0.2	0.8	59.9	0.1	0.3	8.7	-0.8	0.3	1.5	-1.0	0.5	2.2	-1.1	0.4
7QB97Z	16.0	2.4	1.2	44.3	-0.6	0.4	4.0	-1.5		3.3	0.0	1.0	3.3	-0.8	0.6
8UDU46	9.5	0.0	0.4	65.3	0.3	1.0	9.4	-0.7	0.6	1.8	-0.8	0.4	2.7	-1.0	0.4
CNPL2T	9.0	-0.2	0.3	66.7	0.4	0.5	20.4	0.9	0.3	4.2	0.4	0.0	7.2	0.3	0.1
FE4GUC	10.5	0.4	1.0	58.9	0.0	0.6	10.0	-0.6	0.3						
G42FUD	8.2	-0.5	0.2	43.7	-0.6	0.0	8.4	-0.8	0.1	2.2	-0.6	0.5	2.5	-1.0	0.1
JA8FCU	7.7	-0.7	0.7	57.7	0.0	0.7	18.3	0.6	0.5	3.0	-0.2		6.3	0.1	0.6
KDBGFN	8.7	-0.3	0.7	56.0	-0.1	1.7	14.5	0.0	0.1	4.4	0.5	0.2	7.1	0.3	0.5
KQZF9B	7.6	-0.7	1.1	35.1	-1.0	2.2	11.7	-0.4	1.2	6.9	1.8	1.7	5.9	0.0	0.8
KTF3DR	49.0	14.3X		109.0	2.1		36.0	3.1X		3.0	-0.2		10.0	1.1	
LAWQZR	8.7	-0.3	1.3	85.8	1.1	0.6	14.0	0.0	1.4	1.7	-0.9	0.5	2.6	-1.0	0.1
MQFG4C	11.6	0.7	1.2	32.3	-1.1	0.6	14.9	0.1	0.3	5.0	0.8	0.4	7.1	0.3	0.3
QEAHWE	7.2	-0.8	0.9	70.9	0.5	0.5	16.7	0.4	0.4	3.5	0.0	0.9	7.1	0.3	0.3
QRZFXD	14.3	1.8	2.8	43.7	-0.6	0.8	17.7	0.5	1.2	6.7	1.7	1.0	9.0	0.9	1.0
VLN4FG	9.7	0.1	0.7				14.0	0.0		3.0	-0.2		1.0	-1.4	
WETFPF	10.2	0.3	0.0	36.8	-0.9	0.1	13.4	-0.1	0.2	3.8	0.2	0.4	6.1	0.0	0.1
ZFE4Z8	7.1	-0.9	0.1	62.7	0.2	0.3	17.3	0.4	0.2	1.3	-1.1	0.5	5.3	-0.2	0.3



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups						Data units: mg/kg
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	9.50	58.3	14.3	3.40	6.03	
Median Abs Dev	1.28	14.3	4.0	1.06	2.36	
Avg Within Lab SD	0.84	3.2	1.2	0.56	0.98	
Labs Included	19	20	20	20	20	
Labs Reporting	21	20	21	20	20	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	658.3	0.2	0.3	246.3	1.0	0.8	171.2	1.1	1.2	85.1	1.4	1.3	114.7	1.3	0.8
3ZUC2Q	710.0	0.8		249.0	1.1		179.0	1.5		81.0	1.0		112.0	1.2	
4MZEDX	639.7	-0.1	0.0	158.1	-0.6	0.0	137.0	-0.8	0.0	66.3	-0.3	0.0	82.2	-0.4	0.0
4NXA79	649.6	0.1	0.3	233.9	0.8	0.6	151.7	0.0	0.2	74.3	0.4	0.3	94.9	0.3	0.3
64JPEQ	594.4	-0.6	0.0	179.1	-0.2	0.0	145.6	-0.3	0.0	66.9	-0.3	0.1	71.5	-0.9	0.0
6GPH9N	774.9	1.5	3.1	228.3	0.7	1.8	164.2	0.7	1.9	69.3	-0.1	0.6	98.9	0.5	0.5
6VB748	665.7	0.3	0.8	168.0	-0.4	0.4	157.0	0.3	0.5	72.7	0.2	0.2	84.0	-0.3	0.4
6Z92A9	552.7	-1.1	1.1	144.7	-0.8	1.0	136.0	-0.8	2.5	59.3	-1.0	0.7	72.7	-0.9	0.6
7KQWHY	784.8	1.6	1.4	265.3	1.4	2.3	174.1	1.3	1.8	86.7	1.5	1.3	109.2	1.1	1.6
8UDU46	646.7	0.0	0.3	230.0	0.7		156.7	0.3	1.2	73.0	0.3	0.7	100.0	0.6	
9QYJUX	535.1	-1.3	0.2	159.4	-0.5	0.5	131.8	-1.1	0.9	78.8	0.8	0.7	89.7	0.0	0.3
A79PKN	592.3	-0.6	0.7	162.9	-0.5	0.2	140.6	-0.6	0.9	76.0	0.5	0.8	88.7	0.0	0.3
B28ZB4	680.5	0.4	0.1	242.1	1.0	0.1	161.6	0.6	0.1	74.8	0.4	0.1	348.5	13.8X	84.9
B6WAQM	623.5	-0.2	0.7	218.3	0.5	0.2	155.6	0.3	0.6	70.0	0.0	0.2	99.0	0.5	0.1
BKAJQQ	745.0	1.2	0.3	263.0	1.3	0.3	170.7	1.1	0.6	87.0	1.5	0.6	112.0	1.2	0.2
CNPL2T	571.8	-0.9	0.3	203.9	0.3	0.3	137.9	-0.7	0.3	66.7	-0.3	0.3	85.9	-0.2	0.1
CUUCHD	659.3	0.2	1.4	245.6	1.0	0.8	181.5	1.7	1.3	83.4	1.2	0.6	110.6	1.1	0.5
D8CLGN	672.0	0.3	0.3	198.0	0.2	1.2	156.0	0.3	2.3	70.5	0.0	1.1	91.6	0.1	0.7
E6PNYW	713.7	0.8	1.2	241.7	1.0	0.2	168.0	0.9	0.4	84.0	1.3	0.4	110.3	1.1	1.0
FE4GUC	783.3	1.6	3.1	275.3	1.6	1.4	211.5	3.3X	4.4						
FGWKBQ	560.0	-1.0	0.7	172.0	-0.3	0.7	142.4	-0.5	0.3	77.0	0.6	0.6	90.2	0.0	0.4
G42FUD	626.3	-0.2	1.7	167.4	-0.4	0.7	144.4	-0.4	0.2	62.5	-0.7	0.2	82.7	-0.4	0.3
JA8FCU	594.0	-0.6	0.9	165.0	-0.4	0.7	136.0	-0.8	1.1	62.0	-0.7	0.4	92.0	0.1	0.7
KDBGFN	665.3	0.2	0.7	169.3	-0.4	0.3	150.3	0.0	1.1	66.7	-0.3	0.2	91.7	0.1	1.4
KQJ33M	427.8	-2.5X	2.7	144.4	-0.8	2.7	100.7	-2.8X	3.9	45.6	-2.2	3.4	58.9	-1.6	3.2
KQZF9B	668.1	0.3	0.9	155.1	-0.6	1.7	155.3	0.2	1.7	63.8	-0.5	1.6	79.7	-0.5	0.6



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
LAWQZR	713.7	0.8	0.5	248.0	1.1	1.0	165.3	0.8	0.6	77.7	0.7	0.7	102.3	0.7	0.3	
MQFG4C	533.6	-1.3	0.8	141.5	-0.9	0.8	132.3	-1.0	0.5	60.0	-0.9	1.3	74.2	-0.8	0.5	
NRNQWA	600.5	-0.5	1.1	161.5	-0.5	0.2	138.7	-0.7	1.2	63.3	-0.6	0.3	76.0	-0.7	0.2	
NYKNJC	622.6	-0.3	0.0	163.7	-0.5	0.1	146.8	-0.2	0.1	69.7	0.0	0.1	83.1	-0.3	0.2	
PCMCAK	625.3	-0.2	0.8	180.0	-0.2	0.3	146.7	-0.2	1.3	65.7	-0.4	0.5	82.0	-0.4	0.4	
PF9UCB	596.2	-0.6	1.5	229.5	0.7	1.9	142.6	-0.5	0.4	69.8	0.0	1.2	86.8	-0.1	2.4	
PNHMJD	742.7	1.2	0.7	241.0	0.9	0.4	160.7	0.5	0.3	72.7	0.2	0.2	105.3	0.9	0.2	
QEAHWE	640.2	0.0	0.6	173.3	-0.3	0.7	152.1	0.1	0.5	68.5	-0.1	1.0	77.6	-0.6	0.4	
QRZFXD	512.0	-1.6	1.0	172.3	-0.3	1.6	137.3	-0.8	1.1	66.3	-0.3	1.7	79.3	-0.5	0.9	
RXHW48	830.5	2.2	0.2	291.1	1.9	0.4	198.2	2.6	0.1	88.1	1.6	0.2	126.2	2.0	0.3	
UGLJGB	644.3	0.0	0.3	213.5	0.4	0.4	145.5	-0.3	0.4	50.5	-1.8	0.2	81.2	-0.4	0.3	
UZW9U9	715.1	0.8	0.2	259.7	1.3	0.5	191.2	2.2	1.7	99.8	2.7X	3.8	135.1	2.4	1.6	
V68HH4	583.7	-0.7	0.4	155.0	-0.6	1.8	151.7	0.0	1.0	62.7	-0.7	3.2	77.7	-0.6	2.9	
VGZ6QD	611.7	-0.4	0.3	156.7	-0.6	0.5	138.0	-0.7	0.4	65.3	-0.4	0.7	71.2	-1.0	0.4	
VLN4FG	545.3	-1.2	0.2	166.0	-0.4	0.3	144.7	-0.3	0.3	63.7	-0.6	0.5	73.0	-0.9	0.2	
WETFPF	612.0	-0.4	0.3	164.7	-0.4	0.1	138.3	-0.7	0.4	72.7	0.2	0.2	83.7	-0.3	0.1	
XFWJR3	618.7	-0.3	1.6	216.3	0.5	0.7	144.3	-0.4	0.5	78.0	0.7	0.4	101.0	0.6	1.1	
XGY367	691.3	0.6	0.7	173.3	-0.3	0.3	161.0	0.5	1.0	85.3	1.4	0.9	105.3	0.9	0.3	
XPM6X2	720.9	0.9	0.5	223.8	0.6	0.6	158.0	0.4	0.3	81.6	1.1	0.5	107.8	1.0	0.3	
ZLC4PY	686.3	0.5	0.6	199.0	0.2	1.6	142.7	-0.5	0.7	66.0	-0.4	0.4	89.0	0.0	1.6	

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	644.3			189.0			151.0			69.9			89.3			
Median Abs Dev	48.0			31.6			10.2			6.2			11.2			
Avg Within Lab SD	19.3			6.1			4.9			2.8			4.9			
Labs Included	45			46			44			44			44			
Labs Reporting	46			46			46			45			45			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	5,121.6	0.5	0.4	2,269.9	0.7	1.6	798.1	1.0	1.1	1,111.3	0.9	1.5	1,002.9	1.2	1.0	
4MZEDX	5,168.6	0.5	0.0	1,278.8	-1.1	0.0	609.1	-0.7	0.0	817.4	-0.9	0.0	690.4	-0.4	0.0	
4NXA79	3,980.8	-0.5	0.1	2,116.1	0.5	0.2	699.3	0.1	0.3	1,021.4	0.4	0.1	831.3	0.3	0.0	
6GPH9N	4,208.3	-0.3	1.8	2,235.2	0.7	0.7	790.8	0.9	0.6	1,103.2	0.9	1.6	1,075.7	1.5	1.5	
6VB748	5,543.3	0.9	0.4	1,710.3	-0.3	0.1	770.0	0.7	0.5	1,083.3	0.8	2.2	773.3	0.0	0.4	
6Z92A9	3,440.0	-1.0	0.5	1,307.3	-1.0	0.8	582.3	-0.9	1.2	812.3	-0.9	0.2	619.3	-0.7	1.1	
7KQWHY	4,707.7	0.1	0.9	2,522.2	1.2	2.6	805.3	1.0	2.0	1,204.8	1.5	2.2	1,106.1	1.7	3.0	
7QB97Z	4,826.7	0.2	0.1	2,273.3	0.7	0.2	793.3	0.9	1.0	1,086.7	0.8	0.3	986.7	1.1	0.7	
8UDU46	5,700.0	1.0	0.7	2,166.7	0.5	1.1	686.7	0.0	0.5	966.7	0.0	0.6	866.7	0.5	0.4	
9QYJUX	3,298.2	-1.1	0.4	1,398.0	-0.8	0.3	616.6	-0.6	0.6	866.2	-0.6	0.5	675.5	-0.4	0.1	
A79PKN	3,329.1	-1.1	0.5	1,336.0	-1.0	0.1	611.4	-0.6	0.3	861.2	-0.6	0.5	689.6	-0.4	0.4	
B28ZB4	4,200.0	-0.3	0.1	2,132.1	0.5	0.2	670.6	-0.1	0.1	1,004.7	0.3	0.2	347.2	-2.1X	13.2	
B6WAQM	3,530.3	-0.9	0.6	2,353.7	0.9	1.2	795.6	0.9	0.9	1,139.7	1.1	1.7	1,026.0	1.3	0.6	
BKAJQQ	3,515.0	-0.9	1.0	2,000.3	0.2	0.9	599.3	-0.7	0.2	944.0	-0.1	0.1	786.7	0.1	0.3	
CNPL2T	4,150.0	-0.4	0.1	2,140.4	0.5	0.4	763.5	0.7	0.4	1,095.7	0.8	0.4	963.0	1.0	0.2	
CUUCHD	5,984.0	1.3	1.1	2,444.6	1.1	1.3	812.8	1.1	1.6	1,163.4	1.2	1.1	1,056.1	1.4	1.3	
D8CLGN	5,480.0	0.8	1.1	1,956.7	0.2	1.7	755.3	0.6	1.9	1,056.7	0.6	1.3	863.3	0.5	1.0	
E6PNYW	5,066.7	0.5	0.1	2,306.7	0.8	0.8	800.0	1.0	0.9	1,126.7	1.0	0.7	993.3	1.1	0.4	
FE4GUC	6,145.3	1.4	3.9	2,351.3	0.9	2.2	829.3	1.2	1.0	1,087.3	0.8	1.0	1,068.7	1.5	0.7	
FGWKBQ	3,051.5	-1.3	0.2	1,406.2	-0.8	0.2	605.7	-0.7	0.7	832.1	-0.8	0.2	653.4	-0.6	0.2	
G42FUD	4,337.3	-0.2	1.1	1,493.0	-0.7	0.8	620.3	-0.6	1.6	800.7	-1.0	1.0	652.7	-0.6	1.5	
JA8FCU	3,136.7	-1.3	2.6	1,413.3	-0.8	0.6	496.7	-1.6	0.5	730.0	-1.4	0.3	566.7	-1.0	0.2	
KDBGFN	4,918.4	0.3	0.8	1,396.4	-0.9	1.0	574.1	-1.0	0.8	837.2	-0.7	0.9	617.4	-0.7	0.9	
KQJ33M	2,932.2	-1.4	1.5	1,260.6	-1.1	1.6	430.4	-2.2	3.3	657.7	-1.8	3.5	538.8	-1.1	3.6	
KQZF9B	4,434.3	-0.1	2.4	1,393.7	-0.9	1.6	704.0	0.2	2.7	883.7	-0.5	0.7	589.7	-0.9	1.6	
LAWQZR	3,240.0	-1.2	0.2	2,004.7	0.3	0.6	636.7	-0.4	0.4	973.7	0.1	0.4	778.3	0.1	0.7	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
MQFG4C	5,255.2	0.6	0.5	1,343.8	-0.9	1.1	622.9	-0.5	0.9	869.5	-0.5	1.1	667.1	-0.5	0.8	
NRNQWA	4,555.7	0.0	0.8	1,484.0	-0.7	0.1	649.0	-0.3	1.0	869.3	-0.5	0.3	683.0	-0.4	0.1	
NYKNJC	5,037.7	0.4	0.1	1,561.7	-0.6	0.6	685.7	0.0	0.1	1,025.2	0.4	0.1	785.0	0.1	0.1	
PCMCAK	4,553.3	0.0	0.2	1,650.3	-0.4	0.5	691.7	0.0	0.3	928.3	-0.2	0.2	724.0	-0.2	0.5	
PF9UCB	2,978.4	-1.4	0.7	1,916.6	0.1	1.4	539.3	-1.2	1.1	862.2	-0.6	0.6	664.6	-0.5	1.8	
PNHMJD	4,996.7	0.4	0.8	2,113.3	0.5	0.7	686.0	0.0	0.4	992.7	0.2	0.3	931.3	0.8	0.4	
QEAHWE	4,800.3	0.2	0.6	1,711.7	-0.3	1.1	790.5	0.9	0.7	929.2	-0.2	0.9	694.0	-0.4	0.3	
QRZFXD	3,780.0	-0.7	0.5	1,466.3	-0.7	1.5	602.0	-0.7	0.6	814.0	-0.9	1.5	673.0	-0.5	0.2	
RXHW48	6,174.2	1.4	0.2	2,518.5	1.2	0.5	794.8	0.9	0.6	1,137.3	1.1	0.3	1,108.0	1.7	0.5	
UGLJGB	5,335.8	0.7	0.6	2,221.7	0.6	0.6	719.2	0.3	0.4	980.7	0.1	0.5	839.2	0.4	0.1	
UZW9U9	4,697.3	0.1	0.2	2,638.7	1.4	0.5	887.9	1.7	0.6	1,296.7	2.1	0.3	1,165.3	2.0	0.8	
V68HH4	3,716.3	-0.7	0.1	1,310.3	-1.0	0.1	724.3	0.3	0.1	959.0	0.0	0.3	758.0	0.0	0.2	
VGZ6QD	3,338.3	-1.1	0.1	1,529.7	-0.6	0.0	648.0	-0.3	0.2	990.0	0.2	0.3	668.7	-0.5	0.2	
VLN4FG	4,969.0	0.4	0.0	1,394.7	-0.9	0.1	583.0	-0.9	0.0	845.3	-0.7	0.1	614.7	-0.7	0.1	
WETFPF	5,011.0	0.4	0.3	1,445.0	-0.8	0.3	637.7	-0.4	0.1	893.3	-0.4	0.1	703.3	-0.3	0.2	
XFWJR3	3,445.0	-1.0	0.6	1,865.0	0.0	1.3	615.7	-0.6	0.1	891.7	-0.4	0.8	742.0	-0.1	0.8	
XGY367	5,274.0	0.6	0.7	1,697.7	-0.3	1.0	706.7	0.2	0.2	1,097.7	0.8	0.4	801.7	0.2	0.3	
XPM6X2	4,879.0	0.3	0.1	2,141.1	0.5	0.2	612.2	-0.6	0.1	895.0	-0.4	0.1	698.8	-0.3	0.2	
ZLC4PY	4,315.0	-0.2	0.1	1,875.7	0.0	1.3	700.0	0.1	0.3	938.0	-0.1	1.0	773.7	0.0	0.4	

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	4,555.7			1,865.0			686.0			959.0			765.7			
Median Abs Dev	699.5			398.7			76.9			97.8			99.8			
Avg Within Lab SD	142.4			50.7			22.1			34.9			31.7			
Labs Included	45			45			45			45			44			
Labs Reporting	45			45			45			45			45			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	223.1	0.4	0.5	273.6	0.6	0.6	167.5	0.8	0.8	151.2	0.8	0.6	128.4	1.1	0.3
4MZEDX	227.9	0.6	0.0	165.5	-0.9	0.0	130.0	-0.9	0.0	117.6	-0.8	0.0	97.6	-0.2	0.0
4NXA79	222.1	0.3	0.5	266.3	0.5	0.3	152.5	0.1	0.2	142.2	0.4	0.1	116.1	0.5	0.4
6GPH9N	233.9	0.8	0.2	288.1	0.8	1.5	173.6	1.0	1.0	157.7	1.1	1.0	165.1	2.6	1.8
6VB748	242.0	1.1	1.3	211.7	-0.3	0.4	168.3	0.8	0.6	146.0	0.5	1.0	109.3	0.3	0.9
6Z92A9	187.0	-1.0	0.8	169.7	-0.9	0.2	132.0	-0.8	1.4	117.3	-0.8	0.9	84.0	-0.8	0.6
7KQWHY	266.2	2.0	2.0	314.8	1.2	2.4	184.0	1.5	2.1	171.9	1.7	2.0	139.3	1.5	2.1
7QB97Z	233.3	0.8	0.4	296.9	0.9	0.4	176.2	1.2	0.5	187.1	2.4	0.6	143.4	1.7	0.9
8UDU46	213.3	0.0	1.0	270.0	0.5	1.3	160.0	0.4	2.0	140.0	0.3	2.0	120.0	0.7	
9QYJUX	199.8	-0.5	0.2	181.3	-0.7	0.3	139.7	-0.4	0.3	135.6	0.1	0.5	102.8	0.0	0.4
A79PKN	197.6	-0.6	1.0	187.4	-0.6	0.3	139.1	-0.5	0.6	131.8	-0.1	0.8	97.7	-0.2	0.2
B28ZB4	218.5	0.2	0.1	264.0	0.5	0.2	146.4	-0.1	0.2	133.8	0.0	0.1	349.5	10.4X	90.0
B6WAQM	191.3	-0.8	1.1	264.2	0.5	0.6	161.6	0.5	1.1	144.4	0.5	0.9	119.6	0.7	0.4
BKAJQQ	212.3	0.0	0.5	242.7	0.2	0.3	130.3	-0.9	0.3	124.7	-0.4	0.3	100.0	-0.1	0.6
CNPL2T	208.0	-0.2	1.2	271.1	0.6	0.8	155.8	0.3	0.2	143.4	0.4	0.1	112.0	0.4	0.6
CUUCHD	216.4	0.1	1.9	313.4	1.2	1.5	177.8	1.2	2.0	153.5	0.9	1.2	133.9	1.3	1.1
D8CLGN	232.0	0.7	0.2	245.0	0.2	1.5	170.3	0.9	2.0	149.3	0.7	1.2	114.0	0.5	1.1
E6PNYW	250.0	1.4	1.2	290.0	0.8		177.7	1.2	1.5	169.0	1.6		133.0	1.3	
FE4GUC	251.3	1.5	0.5	297.3	0.9	0.4	169.3	0.9	1.7	145.0	0.5	1.6	122.3	0.8	0.1
FGWKBQ	195.9	-0.7	1.2	192.9	-0.5	0.3	136.1	-0.6	0.3	121.8	-0.6	0.5	96.1	-0.3	0.2
G42FUD	196.5	-0.6	2.6	194.4	-0.5	1.0	150.9	0.0	1.1	132.6	-0.1	1.1	102.7	0.0	1.6
JA8FCU	196.0	-0.7	0.3	200.0	-0.4	0.5	133.7	-0.7	0.3	113.7	-0.9	0.9	98.3	-0.2	0.4
KDBGFN	177.4	-1.4	1.7	151.9	-1.1	0.7	114.5	-1.5	0.7	103.1	-1.4	0.7	72.8	-1.3	0.9
KQJ33M	138.4	-2.9X	2.0	163.2	-1.0	1.9	101.2	-2.1X	3.5	97.4	-1.7	3.7	73.1	-1.3	4.1
KQZF9B	191.7	-0.8	1.3	181.2	-0.7	0.5	149.8	0.0	1.2	122.4	-0.5	1.1	89.3	-0.6	1.0
LAWQZR	209.3	-0.2	0.7	260.0	0.4	0.6	143.3	-0.3	0.6	134.3	0.0	0.1	106.3	0.1	0.5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
MQFG4C	219.2	0.2	1.0	182.6	-0.7	0.9	148.1	-0.1	1.6	130.7	-0.2	0.3	97.3	-0.3	0.3	
NRNQWA	207.6	-0.2	1.1	184.9	-0.7	0.1	145.3	-0.2	1.0	125.7	-0.4	0.2	95.8	-0.3	0.2	
NYKNJC	211.8	-0.1	0.6	195.5	-0.5	0.2	144.2	-0.2	0.4	137.3	0.1	0.3	98.5	-0.2	0.4	
PCMCAK	192.3	-0.8	0.3	208.0	-0.3	0.5	153.0	0.1		134.3	0.0	0.1	102.7	0.0	0.2	
PF9UCB	195.7	-0.7	0.4	251.1	0.3	1.7	126.2	-1.0	1.4	125.8	-0.4	1.0	92.4	-0.5	1.4	
PNHMJD	220.3	0.3	0.7	248.7	0.2	0.6	144.0	-0.3	0.4	129.3	-0.2	0.2	111.7	0.4	0.2	
QEAHWE	232.3	0.7	1.1	212.5	-0.3	1.9	170.2	0.9	1.0	151.9	0.8	1.3	100.9	-0.1	0.9	
QRZFXD	179.0	-1.3	1.2	186.7	-0.6	1.0	132.7	-0.8	0.8	120.0	-0.7	0.9	91.0	-0.5	0.2	
RXHW48	261.6	1.9	0.5	319.4	1.2	0.3	183.8	1.5	0.2	162.1	1.3	0.3	137.8	1.5	0.2	
UGLJGB	296.6	3.2X	0.4	370.0	2.0	0.4	210.0	2.6X	0.7	181.0	2.1	0.2	148.3	1.9	0.8	
UZW9U9	233.9	0.8	0.4	294.5	0.9	0.2	178.3	1.3	0.2	162.9	1.3	0.5	142.2	1.6	0.0	
V68HH4	198.7	-0.6	1.2	180.3	-0.7	0.3	148.3	-0.1	0.5	133.0	-0.1	1.0	94.3	-0.4	0.7	
VGZ6QD	204.0	-0.4	0.5	187.0	-0.6	0.3	138.7	-0.5	0.1	130.0	-0.2	0.3	89.0	-0.6	0.2	
VLN4FG	195.3	-0.7	0.5	154.7	-1.1	0.4	120.7	-1.3	0.1	115.7	-0.8	0.1	82.7	-0.9	0.1	
WETFPF	229.3	0.6	0.1	181.3	-0.7	0.3	128.3	-0.9	0.1	120.7	-0.6	0.1	92.0	-0.5	0.2	
XFWJR3	200.0	-0.5	0.7	231.3	0.0	0.8	133.7	-0.7	0.5	125.7	-0.4	0.4	103.7	0.0	1.1	
XGY367	238.7	1.0	1.3	174.7	-0.8	3.3	157.3	0.3	1.2	142.7	0.4	0.9	107.7	0.2	0.8	
XPM6X2	233.5	0.8	0.1	297.2	0.9	0.1	168.7	0.8	0.8	165.8	1.4	0.5	132.4	1.2	0.4	
ZLC4PY	217.0	0.1	1.4	247.7	0.2	0.8	158.7	0.4	0.6	134.3	0.0	1.1	108.3	0.2	0.5	

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	213.3			231.3			149.8			134.3			103.2			
Median Abs Dev	17.3			44.7			16.1			11.7			11.0			
Avg Within Lab SD	6.0			7.6			4.9			5.1			4.6			
Labs Included	43			45			43			45			44			
Labs Reporting	45			45			45			45			45			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3WECRP	99.9	0.3	0.4	49.6	0.5	0.4	23.8	0.4	0.6	12.0	0.2	0.2	23.6	0.7	0.8		
4NXA79	93.1	0.0	0.3	45.1	0.3	0.1	20.4	0.0	0.7	11.9	0.2	0.9	19.2	0.2	0.8		
6GPH9N	94.0	0.1	1.5	46.0	0.3	0.6	25.6	0.6	0.9	12.2	0.2	0.1	23.2	0.7	0.4		
6VB748	103.7	0.4	0.5	48.7	0.5	0.6	41.7	2.4	0.6	20.7	1.4	0.5	28.3	1.3	0.5		
6Z92A9	74.7	-0.7	0.4	26.7	-0.8	0.3	18.3	-0.2	0.2	7.3	-0.4	0.3	13.0	-0.5			
7KQWHY	102.1	0.4	0.7	48.6	0.5	1.2	15.4	-0.5	0.3	7.5	-0.4	0.6	19.0	0.2	1.2		
7QB97Z	111.2	0.7	0.6	50.6	0.6	0.5	23.0	0.3		10.0	-0.1	0.6	19.2	0.2	0.4		
8UDU46	85.3	-0.3	0.4	45.7	0.3	0.1	26.3	0.7	0.5	12.7	0.3	0.3	22.3	0.6	0.2		
9QYJUX	79.8	-0.5	0.2	37.0	-0.2	0.5	28.8	1.0	0.4	11.5	0.1	0.6	17.5	0.0	0.2		
A79PKN	73.6	-0.8	0.3	27.9	-0.7	0.1	23.1	0.3	0.3	10.6	0.0	0.4	14.9	-0.3	0.4		
B28ZB4	86.6	-0.2	0.3	45.2	0.3	0.1	19.1	-0.1	1.0	11.1	0.1	0.7	20.1	0.3	0.2		
B6WAQM	100.2	0.3	2.7	69.8	1.7	4.6	42.3	2.5	3.9	28.0	2.3	2.7	38.1	2.4	2.6		
BKAJQQ	79.0	-0.5	1.1	34.7	-0.3	0.1	14.0	-0.7	0.4	7.0	-0.5	1.0	12.7	-0.6	0.2		
CNPL2T	105.1	0.5	0.2	47.0	0.4	0.1	20.9	0.1	0.4	8.6	-0.2	0.1	17.7	0.0	0.1		
CUUCHD	90.6	-0.1	0.6	47.5	0.4	0.3	19.7	0.0	0.1	10.3	0.0	0.4	20.1	0.3	0.3		
D8CLGN	180.0	3.5	0.2	79.7	2.3	1.9	42.7	2.5	1.9	41.2	4.1	2.6	38.8	2.5	0.5		
E6PNYW	98.2	0.2	1.1	49.1	0.5	0.7	23.8	0.4	0.5	13.8	0.4	0.0	23.8	0.7	0.8		
ENJQVR	447.6	14.1X	0.8	124.6	5.0X	0.1	114.0	10.5X	0.7	52.7	5.6X	0.1	59.5	5.0X	0.5		
FGWKBQ	75.3	-0.7	0.2	31.3	-0.5	0.2	22.5	0.3	0.3	11.5	0.1	0.3	15.7	-0.2	0.1		
G42FUD	88.1	-0.2	0.3	28.8	-0.7	0.9	19.1	-0.1	0.9	9.9	-0.1	0.5	16.2	-0.2	0.4		
JA8FCU	84.3	-0.3	0.6	35.0	-0.3		22.7	0.3	0.8	14.0	0.5	0.5	22.3	0.6	0.5		
KDBGFN	72.0	-0.8	0.7	21.3	-1.1	0.3	12.5	-0.8	0.6	3.5	-0.9	0.2	8.1	-1.1	0.8		
KQJ33M	50.6	-1.7	1.2	24.4	-1.0	0.2	19.7	0.0	1.0	4.6	-0.8	0.2	7.2	-1.2	0.3		
KQZF9B	96.5	0.2	0.3	28.5	-0.7	0.4	18.6	-0.2	0.6	6.2	-0.6	0.8	12.9	-0.6	0.4		
LAWQZR	92.7	0.0	0.1	42.3	0.1	0.2	18.7	-0.2	0.2	9.7	-0.1	0.3	18.3	0.1	1.0		
MQFG4C	102.0	0.4	0.5	68.2	1.6	0.9	64.1	4.9	0.7	33.3	3.0	1.3	43.5	3.1	1.5		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
NRNQWA	99.8	0.3	0.5	34.6	-0.4	0.1	23.1	0.3	1.3	11.2	0.1	0.6	18.5	0.1	0.3		
PCMCAK	83.1	-0.4	0.2	30.8	-0.6	0.1	16.4	-0.4	0.2	7.6	-0.4	0.1	14.0	-0.4	0.3		
PF9UCB	81.2	-0.5	0.2	40.6	0.0	1.2	19.1	-0.1	2.5	9.6	-0.1	0.1	16.8	-0.1	1.5		
PNHMJD	155.0	2.5	1.2	68.7	1.7	1.9	15.7	-0.5	0.8	20.0	1.3	2.9	18.7	0.1	0.9		
QEAHWE	92.7	0.0	0.7	34.0	-0.4	0.3	17.3	-0.3	0.3	7.9	-0.3	0.4	13.7	-0.5	0.2		
QRZFXD	75.3	-0.7	0.9	28.7	-0.7	0.3	15.7	-0.5	0.6	7.0	-0.5	0.5	12.0	-0.7	0.3		
RXHW48	132.0	1.6	2.2	56.3	0.9	1.5											
UGLJGB	76.0	-0.7	0.5	23.0	-1.0	0.1	11.1	-1.0	0.1	3.9	-0.9	1.0	11.8	-0.7	0.4		
V68HH4	8.6	-3.3	0.0	26.2	-0.8	0.2	19.7	0.0	0.1	9.3	-0.2	0.1	15.5	-0.2	0.1		
WETFPF	89.6	-0.1	0.3	28.7	-0.7	0.1	16.8	-0.4	0.1	9.0	-0.2	0.1	14.2	-0.4	0.0		
XFWJR3	99.0	0.3	2.8	51.3	0.6	0.8	33.0	1.5	0.8	35.3	3.3	2.4	48.7	3.7	4.1		
XGY367	42.3	-2.0	0.1	22.0	-1.1	0.2	21.7	0.2	0.5	15.3	0.6	0.3	17.0	-0.1	0.5		
XPM6X2	93.8	0.0	0.0	46.0	0.3	0.1	24.5	0.5	0.2	5.3	-0.7	0.1	17.1	-0.1	0.1		
ZLC4PY	98.7	0.2	2.4	36.3	-0.3	0.1	18.3	-0.2	0.6	10.7	0.0	0.5	16.7	-0.1	0.6		

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups															Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	92.7			40.6			20.0			10.5			17.6				
Median Abs Dev	9.4			9.2			3.2			2.7			3.5				
Avg Within Lab SD	6.3			5.0			2.5			2.1			3.3				
Labs Included	39			39			38			38			38				
Labs Reporting	40			40			39			39			39				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups														Data units: mg/kg		
SRS1801				SRS1802				SRS1803			SRS1804			SRS1805		
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	
MQFG4C	429.9		1.0	136.0		1.0	119.8		1.0	59.1		1.0	63.7		1.0	

Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups														Data units: mg/kg		
SRS1801				SRS1802				SRS1803			SRS1804			SRS1805		
Grand Median	429.9			136.0			119.8			59.1			63.7			
Median Abs Dev																
Avg Within Lab SD	11.7			2.1			1.5			2.3			0.6			
Labs Included	1			1			1			1			1			
Labs Reporting	1			1			1			1			1			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups													Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7QB97Z	604.7		0.7	215.3		1.4	155.0		0.8	90.0		0.3	98.7		0.7
ALACYW	573.7		1.3	187.7		0.4	155.0		1.2	76.3		1.4	100.3		1.2
K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups													Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
Grand Median	589.2			201.5			155.0			83.2			99.5		
Median Abs Dev															
Avg Within Lab SD	9.7			6.1			4.3			5.1			3.8		
Labs Included	2			2			2			2			2		
Labs Reporting	2			2			2			2			2		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K Modified Morgan (SubTestCode 147) in the Bases (1:10) Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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
Q8R673	669.7		1.0	237.8		1.0	156.2		1.0	69.5		1.0	99.0		1.0			

K Modified Morgan (SubTestCode 147) in the Bases (1:10) Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	669.7			237.8			156.2			69.5			99.0					
Median Abs Dev	14.9			3.1			3.8			1.3			2.2					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca Modified Morgan (SubTestCode 148) in the Bases (1:10) Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
Q8R673	30,501.7		1.0	2,304.0		1.0	713.0		1.0	1,015.0		1.0	961.3		1.0			
Ca Modified Morgan (SubTestCode 148) in the Bases (1:10) Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	30,501.7			2,304.0			713.0			1,015.0			961.3					
Median Abs Dev																		
Avg Within Lab SD	1,776.3			110.7			41.2			28.5			52.8					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
ALACYW	0.20		0.00	0.23		0.95	2.33		0.53	0.87		0.22	3.00				
KL97YD	2.10		1.97	6.30		0.00	16.50		1.80	6.00		1.98	21.00		1.64		
LE6LAM	0.87		0.33	0.68		0.03	2.74		0.13	1.39		0.07	1.05		0.11		
QEAHWE	0.01		0.00	0.51		1.76	2.60		0.70	0.57		0.17	2.26		0.55		
Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups															Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	0.53			0.60			2.67			1.13			2.63				
Median Abs Dev																	
Avg Within Lab SD	0.26			0.06			0.29			0.26			0.32				
Labs Included	4			4			4			4			4				
Labs Reporting	4			4			4			4			4				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	14.2		1.9	25.5		1.7	18.3		1.7	7.3		1.7	13.4		1.9	
KTF3DR	27.7		0.3	51.3		1.0	40.0			18.0			32.0		0.7	
LE6LAM	18.4		0.5	24.1		0.1	19.8		0.2	9.2		0.2	14.3		0.3	
UZW9U9	20.8		0.4	22.6		0.2	19.6		0.1	10.2		0.0	14.4		0.2	

Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Grand Median	19.6			24.8			19.7			9.72			14.3		
Median Abs Dev																
Avg Within Lab SD	1.9			1.6			1.5			1.35			1.5			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	269.2		0.8	115.9		1.4	103.0		1.4	40.3		1.2	60.2		1.8	
KTF3DR	489.3		1.6	216.0		1.0	195.0		0.7	81.3		1.2	112.7		0.7	
LE6LAM	286.4		0.8	120.8		0.8	111.9		1.2	46.8		0.4	61.8		0.5	
UZW9U9	262.3		0.4	124.9		0.7	111.4		0.2	43.4		1.1	65.0		0.2	
Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	277.8			122.8			111.7			45.1			63.4			
Median Abs Dev																
Avg Within Lab SD	7.7			4.7			5.1			1.3			4.5			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	6,176.1		0.3	1,532.0		1.5	721.0		1.4	827.1		1.8	1,008.3		1.9	
KTF3DR	13,803.3		2.0	2,762.7		1.1	1,204.0		0.8	1,545.0		0.4	1,719.0		0.7	
LE6LAM	5,403.5		0.1	1,468.8		0.6	680.7		1.2	855.4		0.8	848.1		0.3	
UZW9U9	4,789.1		0.0	1,549.3		0.3	705.9		0.1	870.6		0.2	981.7		0.1	

Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	5,789.8			1,540.6			713.5			863.0			995.0			
Median Abs Dev																
Avg Within Lab SD	1,615.9			130.0			33.7			33.4			86.0			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	178.7		1.7	169.6		1.4	132.2		1.4	102.7		1.6	128.6		1.9	
KTF3DR	367.0		0.8	345.3		1.0	273.3		0.6	235.7		0.7	231.0		0.5	
LE6LAM	194.3		0.4	191.1		1.0	153.8		1.2	126.9		0.3	113.5		0.1	
UZW9U9	164.7		0.4	184.7		0.4	146.3		0.2	123.5		0.8	124.7		0.1	

Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	186.5			187.9			150.0			125.2			126.6			
Median Abs Dev																
Avg Within Lab SD	10.3			9.6			7.8			4.3			24.1			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
7A3CM2	4.7		1.7	21.2		1.9	63.0		1.9	17.4		2.0	67.7		1.9		
KTF3DR	6.7		1.0	34.0		0.5	101.7		0.3	23.7		0.2	114.0		0.7		
LE6LAM	3.7		0.2	19.2		0.3	61.6		0.3	17.8		0.1	62.4		0.1		
UZW9U9	3.3		0.0	21.3		0.4	64.7		0.1	15.6		0.1	65.5		0.0		
Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups															Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	4.21			21.2			63.8			17.6			66.6				
Median Abs Dev																	
Avg Within Lab SD	0.57			2.2			8.0			3.0			9.2				
Labs Included	4			4			4			4			4				
Labs Reporting	4			4			4			4			4				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
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	
7A3CM2				1.38		1.39	4.37		1.76	1.51		1.62	0.89		0.70	
KTF3DR	0.30		0.00	2.37		0.41	7.40		0.51	2.67		1.12	1.87		1.87	
LE6LAM				1.54		1.38	4.86		0.77	1.61		0.23	0.91		0.15	
UZW9U9	0.23		1.41	1.37		0.09	4.44		0.21	1.57		0.23	0.97		0.08	
Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	0.26			1.46			4.65			1.59			0.94			
Median Abs Dev																
Avg Within Lab SD	0.20			0.14			0.39			0.19			0.20			
Labs Included	2			4			4			4			4			
Labs Reporting	2			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups													Data units: g/cm ³		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6G9P8D	2.05	9.62X	1.80	1.60	8.92X	6.28	2.02	8.65X	3.00	1.98	8.61X	7.58	1.86	7.69X	3.87
M2W4DD	1.02	0.00	0.94	0.82	0.60	1.09	1.02	0.59	1.26	0.98	0.13	0.35	0.85	0.00	0.52
PCMCAK	1.04	0.17	0.00	0.85	0.93	0.22	1.06	0.86	0.14	1.03	0.61	0.88	0.88	0.20	0.28
UZW9U9	0.89	-1.25	0.66	0.70	-0.71	0.75	0.84	-0.88	1.74	0.82	-1.16	0.79	0.70	-1.15	2.14
WETFPF	0.98	-0.41	0.37	0.73	-0.34	0.72	0.90	-0.42	0.35	0.90	-0.49	0.28	0.76	-0.68	0.53
YCHF4T	1.09	0.61	1.91	0.76	0.00	0.96	0.95	0.00	0.77	0.96	0.00	1.45	0.90	0.42	0.40
YP4GDK	0.98	-0.44	0.94	0.76	-0.04	1.66	0.94	-0.12	0.82	0.89	-0.57	1.52	0.81	-0.28	0.79
ZLC4PY	1.22	1.84		0.96	2.10		1.18	1.86		1.17	1.76		1.11	1.99	

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups						Data units: g/cm ³		
	SRS1801		SRS1802		SRS1803		SRS1804	
Grand Median	1.02		0.76		0.95		0.96	
Median Abs Dev	0.05		0.06		0.07		0.07	
Avg Within Lab SD	0.02		0.02		0.03		0.02	
Labs Included	7		7		7		7	
Labs Reporting	8		8		8		8	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AA87UW	38.0	-0.5	0.8	51.7	-0.5	0.5	51.7	-1.5	0.6	9.8	-0.7	0.4	10.2	-1.1	0.4	
G42FUD	39.0	0.4	0.8	64.3	1.1	0.7	61.3	0.5	1.0	11.0	-0.1	1.6	12.0	0.2		
JA8FCU	37.3	-1.1	1.1	59.3	0.4	0.5	60.7	0.4	1.0	9.7	-0.8	0.9	11.7	0.0	0.8	
KQZF9B	35.9	-2.4	2.1	54.8	-0.1	1.8	56.4	-0.5	2.1	10.6	-0.3	1.3	10.7	-0.7	0.8	
NJDZEC	38.4	-0.1	0.8	42.8	-1.7	1.8	55.9	-0.6	0.6	13.5	1.2	0.6	11.7	0.0	1.8	
QEAHWE	38.7	0.1	0.5	66.0	1.3	0.2	67.6	1.8	0.6	11.4	0.1	0.8	10.4	-0.9	0.7	
TAXTRJ	39.3	0.7	0.4	55.0	-0.1	0.5	59.0	0.0	0.5	11.3	0.1	0.9	13.7	1.4	0.8	
WETFPF	38.7	0.1	0.4	56.7	0.1	0.3	58.7	0.0	0.3	15.0	2.0		13.0	0.9		

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	38.5			55.8			58.8			11.2			11.7			
Median Abs Dev	0.5			3.8			2.5			1.0			1.2			
Avg Within Lab SD	1.3			2.1			2.1			0.6			0.7			
Labs Included	8			8			8			8			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	45.6	0.5	0.9	62.1	-0.2	0.6	69.3	0.7	0.7	17.4	0.1	0.3	15.2	-0.2	0.4	
4MZEDX	43.6	0.1	0.0	72.5	1.1	0.0	68.5	0.5	0.0	19.2	0.8	0.0	16.8	0.5	0.0	
4UNJF8	37.7	-1.0	0.3	54.0	-1.2		59.3	-0.8	0.1	14.7	-0.9	0.2	13.0	-1.3		
64JPEQ	47.3	0.8	0.2	67.5	0.5	0.1	63.4	-0.2	0.0	17.5	0.2	0.1	16.5	0.4	0.1	
6G9P8D	45.3	0.4	1.5	60.0	-0.4	0.5	66.7	0.3	0.4	16.7	-0.1	0.4	16.0	0.2	0.8	
7W7ATV	43.0	0.0	0.5	59.7	-0.5	0.3	68.3	0.5	0.4	18.7	0.6	0.2	16.0	0.2		
9QYJUX	43.6	0.1	1.0	62.2	-0.2	0.3	63.4	-0.2	0.2	16.5	-0.2	0.3	15.2	-0.2	0.8	
9WPWT2	36.4	-1.2	0.0	65.4	0.2	0.0	62.6	-0.3	0.0	16.1	-0.3	0.0	15.2	-0.2	0.0	
A79PKN	45.1	0.4	0.7	66.3	0.3	1.0	62.3	-0.4	0.5	17.5	0.2	0.2	15.3	-0.2	0.3	
AW6FDX	38.0	-1.0	0.5	66.3	0.3	1.3	61.3	-0.5	0.1	14.7	-0.9	0.2	15.7	0.0	0.5	
BDW47G	40.2	-0.6	0.2	54.0	-1.2	0.7	58.2	-0.9	0.0	15.2	-0.7	0.1	12.7	-1.5	0.2	
C399BQ	42.9	-0.1	0.5	59.4	-0.5	0.9	61.4	-0.5	0.3	15.5	-0.5	0.1	15.9	0.1	0.9	
CRTTNY	86.3	8.0X	1.9	95.7	3.9X	0.8	103.7	5.6X	0.1	25.7	3.1X	0.6	27.3	5.7X	1.2	
DF8AMR	50.0	1.3		63.7	0.0	0.3	68.3	0.5	0.1	16.7	-0.1	0.2	15.0	-0.3		
ENJQVR	45.8	0.5	0.1	66.6	0.4	0.8	70.8	0.9	0.1	18.4	0.5	0.2	18.1	1.2	0.7	
FGWKBQ	43.4	0.1	1.1	69.1	0.7	1.2	62.2	-0.4	0.6	15.8	-0.5	0.1	14.5	-0.6	0.4	
FT78BB	40.8	-0.4	0.2	63.5	0.0	0.3	62.9	-0.3	0.2	15.2	-0.6	0.1	14.2	-0.7	0.2	
GWK6GC	41.1	-0.4	0.5	60.1	-0.4	0.4	66.9	0.3	0.1	16.9	0.0	0.0	15.7	0.0	0.1	
KL97YD	64.3	3.9	2.0	57.2	-0.8	0.5	60.3	-0.6	2.3	21.8	1.7	1.8	21.6	2.9	4.5	
KQJ33M	31.2	-2.2	2.2	43.9	-2.4	2.3	45.6	-2.8	4.8	20.4	1.2	5.2	5.7	-4.9X	4.7	
M2W4DD	47.0	0.7	1.3	64.0	0.1	1.9	74.3	1.4	0.5	22.7	2.0	0.6	18.0	1.1	0.8	
MQFG4C	43.0	0.0	1.3	67.8	0.5	0.4	64.7	0.0	0.9	17.1	0.0	0.1	16.1	0.2	0.1	
PCMCAK	39.6	-0.7	0.1	71.1	0.9	0.3	69.6	0.7	0.1	17.2	0.1	0.0	15.6	0.0	0.2	
PF9UCB	42.5	-0.1	1.5	58.2	-0.6	0.4	64.8	0.0	0.8	15.8	-0.5	0.3	14.8	-0.4	0.3	
Q8R673	44.6	0.3	1.8	65.8	0.3	0.6	68.7	0.6	0.5	17.1	0.0	0.5	15.8	0.1	1.1	
QRZFXD	47.7	0.8	2.3	66.8	0.4	2.5	69.1	0.6	0.4	20.2	1.1	0.1	15.9	0.1	0.1	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
RJ3W93	44.1	0.2	0.1	82.7	2.3	2.4	73.7	1.3	0.4	21.0	1.4	0.2	19.9	2.1	0.1	
UZW9U9	41.6	-0.3	0.1	47.5	-1.9	0.5	57.7	-1.0	0.2	15.2	-0.7	0.2	14.0	-0.8	0.4	
VGZ6QD	39.8	-0.6	0.2	46.1	-2.1	0.1	55.7	-1.3	0.1	12.4	-1.7	0.1	9.5	-3.0	0.2	
WETFPF	43.7	0.1	0.3	64.7	0.1	0.3	66.7	0.3	0.1	17.0	0.0		15.0	-0.3		
XGY367	43.3	0.0	1.0	63.8	0.0	1.2	66.3	0.2	0.2	19.3	0.8	0.4	16.3	0.3	1.2	
YCHF4T	46.6	0.6	0.2	59.8	-0.5	0.5	69.7	0.7	0.2	18.8	0.6	0.0	16.0	0.2	0.0	
YP4GDK	38.6	-0.8	0.1	56.8	-0.8	0.5	67.2	0.4	0.1	18.7	0.6	0.1	15.7	0.0	0.1	
ZFE4Z8	29.0	-2.6	0.3	56.5	-0.9	0.5	62.5	-0.3	0.2	12.0	-1.8	0.1	10.5	-2.5	0.4	
ZLC4PY	42.0	-0.2		67.0	0.4		47.0	-2.6		13.0	-1.4		15.0	-0.3		

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	43.2			63.6			64.8			17.0			15.7			
Median Abs Dev	2.4			3.8			3.6			1.6			0.7			
Avg Within Lab SD	2.0			1.9			4.7			3.6			1.2			
Labs Included	34			34			34			34			33			
Labs Reporting	35			35			35			35			35			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	645.0	0.3	0.6	227.8	1.5	2.7	177.9	2.1	1.8	77.0	1.0	2.3	89.5	0.6	2.5	
4MZEDX	638.3	0.2	0.0	157.8	-0.5	0.0	136.7	-0.2	0.0	66.2	-0.2	0.0	82.0	0.0	0.0	
4UNJF8	610.7	-0.3	0.0	189.3	0.4	0.1	145.7	0.3	0.1	59.7	-1.0	0.1	84.0	0.2		
64JPEQ	600.7	-0.5	0.0	163.2	-0.3	0.0	133.7	-0.4	0.0	50.3	-2.0	3.5	74.0	-0.6	0.0	
6G9P8D	698.7	1.3	1.2	196.7	0.6	1.5	159.3	1.0	1.4	74.0	0.6	0.8	99.3	1.4	0.5	
7W7ATV	675.7	0.9	1.3	174.7	0.0	1.7	150.0	0.5	1.7	74.3	0.7	0.5	91.7	0.8	0.7	
9QYJUX	589.8	-0.7	0.7	171.3	-0.1	0.6	135.1	-0.3	0.8	68.6	0.0	0.3	72.1	-0.8	1.2	
9WPWT2	617.0	-0.2		169.6	-0.1	0.0	132.5	-0.4		65.2	-0.3	0.0	81.0	-0.1		
A79PKN	658.4	0.6	0.2	176.3	0.0	0.7	137.2	-0.2	0.1	67.8	-0.1	0.5	77.8	-0.3	0.5	
AA87UW	640.0	0.2	0.3	154.7	-0.6	0.3	134.0	-0.4	0.3	66.0	-0.3	0.4	77.3	-0.4	0.5	
AW6FDX	532.7	-1.8	0.7	170.0	-0.1	0.8	133.7	-0.4	0.2	62.0	-0.7	0.4	83.7	0.1	0.4	
BDW47G	625.7	0.0	0.1	183.0	0.2	0.2	157.7	0.9	0.2	72.4	0.5	0.0	79.8	-0.2	0.1	
C399BQ	637.9	0.2	0.7	167.2	-0.2	0.6	136.0	-0.2	0.8	64.1	-0.5	0.7	84.4	0.2	0.4	
CRTTNY	1,231.7	11.1X	0.7	296.0	3.5X	1.5	237.7	5.4X	1.5	110.3	4.7X	0.2	134.0	4.2X	1.2	
DF8AMR	628.3	0.0	0.0	160.3	-0.4	0.1	147.3	0.4	0.1	68.0	0.0		76.0	-0.5		
ENJQVR	626.7	0.0	0.2	151.4	-0.7	0.0	140.5	0.0	0.1	64.8	-0.4	0.2	80.0	-0.1	0.5	
FGWKBQ	612.6	-0.3	0.3	179.0	0.1	0.4	133.0	-0.4	0.6	73.5	0.6	0.7	84.3	0.2	0.2	
FT78BB	579.7	-0.9	0.6	151.0	-0.7	0.2	128.7	-0.6	0.5	58.9	-1.1	0.3	70.8	-0.9	0.2	
G42FUD	578.1	-0.9	0.8	173.3	0.0	0.5	131.1	-0.5	1.0	70.0	0.2	0.7	78.2	-0.3	0.4	
GWK6GC	645.2	0.3	0.7	192.8	0.5	0.4	155.0	0.8	0.0	73.8	0.6	0.3	94.5	1.0	0.5	
KL97YD	725.1	1.8	1.5	287.0	3.2	0.2	186.7	2.5	2.2	81.8	1.5	1.0	111.6	2.4	1.0	
KQJ33M	573.4	-1.0	3.0	207.5	0.9	3.0	138.4	-0.1	3.1	58.2	-1.1	2.6	87.7	0.5	3.1	
M2W4DD	743.7	2.1	0.4	255.7	2.3	2.2	173.3	1.8	0.4	102.7	3.8X	3.1	112.7	2.5	2.8	
MQFG4C	571.7	-1.0	0.9	145.2	-0.8	0.2	126.9	-0.7	0.1	56.5	-1.3	0.1	70.5	-0.9	0.5	
NJDZEC	653.5	0.5	0.3	243.8	2.0	0.6	175.6	1.9	1.7	84.0	1.7	0.2	109.3	2.2	0.6	
PCMCAK	595.0	-0.6	0.1	179.3	0.1	0.5	143.0	0.1	0.5	63.7	-0.5	0.4	75.6	-0.5	0.6	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
PF9UCB	633.8	0.1	1.8	182.3	0.2	1.2	138.9	-0.1	1.9	67.4	-0.1	1.2	79.3	-0.2	0.4	
Q8R673	655.8	0.5	3.4	178.0	0.1	2.1	152.2	0.6	1.4	76.6	0.9	1.6	72.2	-0.8	1.2	
RJ3W93	667.8	0.7	0.1	249.6	2.1	0.3	172.2	1.7	0.3	85.6	1.9	0.2	105.7	1.9	0.2	
TAXTRJ	654.7	0.5	0.3	157.0	-0.5	0.1	134.7	-0.3	0.4	62.7	-0.6	0.4	76.3	-0.4	0.5	
UZW9U9	625.5	-0.1	0.4	175.3	0.0	0.1	154.1	0.7	0.5	72.4	0.5	0.0	85.6	0.3	0.5	
VGZ6QD	589.7	-0.7	0.1	157.0	-0.5	0.3	145.0	0.2	0.4	66.0	-0.3	0.5	81.7	0.0	0.6	
WETFPF	628.7	0.0	0.2	163.7	-0.3	0.1	136.3	-0.2	0.3	68.7	0.0	0.1	79.7	-0.2	0.1	
XGY367	534.2	-1.7	0.2	162.0	-0.4	0.3	139.3	-0.1	0.4	72.3	0.4	0.5	84.3	0.2	1.0	
YCHF4T	698.2	1.3	0.7	167.1	-0.2	0.4	146.3	0.3	0.3	72.3	0.4	0.3	87.0	0.4	0.2	
YP4GDK	663.6	0.7	0.1	237.7	1.8	0.2	158.6	1.0	0.1	74.2	0.7	0.0	100.8	1.5	0.3	
ZFE4Z8	538.3	-1.7	0.2	151.7	-0.7	0.4	129.8	-0.6	0.4	62.3	-0.7	0.5	75.8	-0.5	0.5	
ZLC4PY	612.0	-0.3		228.0	1.5		169.0	1.6		76.0	0.9		139.0	4.6X		

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	628.3			174.7			140.5			68.3			81.9			
Median Abs Dev	27.7			14.7			7.5			5.3			5.7			
Avg Within Lab SD	32.6			10.8			7.0			4.9			4.3			
Labs Included	37			37			37			36			36			
Labs Reporting	38			38			38			38			38			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	7,582.0	1.0	3.0	2,122.7	1.1	1.6	772.9	0.5	2.1	1,003.6	0.1	2.1	892.8	0.3	2.5	
4MZEDX	6,098.0	-0.8	0.0	1,508.7	-0.8	0.0	718.6	0.0	0.0	964.3	-0.2	0.0	814.6	-0.2	0.0	
4UNJF8	6,834.0	0.1	0.0	1,860.7	0.3	0.0	827.0	1.0	0.0	932.0	-0.5	0.0	974.7	0.9	0.0	
6G9P8D	7,006.7	0.3	1.2	1,874.7	0.4	1.3	795.0	0.7	0.7	1,057.3	0.5	0.8	952.7	0.8	0.4	
7W7ATV	7,099.7	0.4	1.0	1,756.0	0.0	1.0	812.7	0.9	0.7	1,057.0	0.5	0.6	939.7	0.7	0.4	
9QYJUX	7,134.0	0.4	0.9	1,760.3	0.0	0.7	677.1	-0.4	0.3	989.7	0.0	0.4	771.0	-0.5	0.5	
9WPWT2	9,173.0	2.8		1,666.0	-0.3		710.0	-0.1		980.0	-0.1		805.0	-0.3		
A79PKN	6,761.0	0.0	0.1	1,735.6	-0.1	0.5	651.0	-0.6	0.6	1,028.1	0.3	0.9	743.7	-0.7	0.4	
AA87UW	7,112.0	0.4	0.5	1,627.7	-0.4	0.3	693.0	-0.2	0.4	913.7	-0.7	0.3	784.3	-0.4	0.3	
AW6FDX	5,889.0	-1.0	0.4	1,486.0	-0.8	0.9	637.0	-0.7	0.5	843.3	-1.3	0.4	715.3	-0.9	0.8	
BDW47G	6,051.7	-0.8	0.2	1,792.2	0.1	0.5	813.3	0.9	0.1	1,085.7	0.8	0.1	859.7	0.1	0.1	
C399BQ	6,666.0	-0.1	0.5	1,606.3	-0.5	0.1	692.7	-0.2	0.7	961.0	-0.3	0.1	864.7	0.2	0.5	
CRTTNY	14,727.0	9.4X	0.5	3,120.7	4.2X	1.5	1,369.3	5.9X	0.9	1,900.0	7.7X	1.1	1,535.0	4.7X	0.9	
DF8AMR	7,648.3	1.0	0.0	1,882.7	0.4	0.1	842.0	1.1	0.1	1,094.7	0.9	0.1	874.7	0.2	0.1	
ENJQVR	5,019.0	-2.1	0.4	1,396.7	-1.1	0.1	658.3	-0.5	0.2	931.3	-0.5	0.3	778.0	-0.4	0.1	
FGWKBQ	6,795.6	0.0	0.2	1,709.1	-0.1	0.3	589.2	-1.2	0.5	1,056.9	0.5	0.4	770.8	-0.5	0.9	
G42FUD	5,874.3	-1.0	0.5	1,768.3	0.0	0.3	789.0	0.6	0.5	914.0	-0.7	1.0	800.7	-0.3	1.1	
KL97YD	7,456.5	0.8	1.7	2,641.9	2.7	0.4	835.4	1.1	1.3	1,115.6	1.0	1.2	1,097.4	1.7	0.6	
KQJ33M	6,048.7	-0.8	2.7	2,028.3	0.8	3.2	679.9	-0.4	3.7	922.0	-0.6	3.2	1,021.1	1.2	2.3	
M2W4DD	6,766.7	0.0	0.5	2,263.3	1.6	1.8	958.3	2.2	1.0	1,196.7	1.7	0.5	1,081.3	1.6	2.9	
MQFG4C	6,287.9	-0.6	1.1	1,379.6	-1.2	0.1	613.6	-1.0	0.4	818.2	-1.5	0.1	694.1	-1.0	0.3	
NJDZEC	7,103.0	0.4	0.2	2,418.3	2.0	2.6	960.0	2.2	1.2	1,265.3	2.3	1.0	1,213.7	2.5	0.2	
PCMCAK	6,774.3	0.0	0.2	1,755.0	0.0	0.2	721.7	0.0	0.1	947.7	-0.4	0.3	755.7	-0.6	0.2	
PF9UCB	6,888.6	0.1	1.5	1,695.7	-0.2	0.8	620.2	-0.9	1.9	843.3	-1.3	1.2	656.3	-1.3	0.8	
Q8R673	7,004.3	0.3	1.7	1,764.0	0.0	1.5	760.7	0.4	1.3	1,011.0	0.1	2.8	838.0	0.0	2.4	
RJ3W93	6,435.5	-0.4	0.2	2,588.3	2.6	0.2	833.9	1.0	0.0	1,174.3	1.5	0.3	1,096.9	1.7	0.3	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
TAXTRJ	6,730.0	0.0	0.1	1,449.7	-0.9	0.3	641.7	-0.7	0.3	834.7	-1.4	0.1	720.0	-0.8	0.2	
UZW9U9	6,222.0	-0.6	0.0	1,796.7	0.1	0.2	798.1	0.7	0.1	1,055.7	0.5	0.8	857.5	0.1	0.4	
VGZ6QD	6,419.7	-0.4	0.1	1,600.0	-0.5	0.1	725.7	0.1	0.1	993.7	0.0	0.1	842.0	0.0	0.1	
XGY367	6,680.0	-0.1	0.4	1,575.0	-0.6	0.2	680.3	-0.3	0.1	948.3	-0.4	0.1	764.0	-0.5	0.1	
YCHF4T	7,141.1	0.4	0.8	1,729.3	-0.1	0.3	711.2	-0.1	0.2	1,015.8	0.2	0.3	891.2	0.3	0.0	
YP4GDK	7,292.4	0.6	0.5	2,314.7	1.7	0.3	754.9	0.3	0.0	1,048.0	0.5	0.1	974.3	0.9	0.3	
ZFE4Z8	6,615.8	-0.2	0.2	1,530.8	-0.7	0.3	686.3	-0.3	0.5	901.3	-0.8	0.5	774.7	-0.5	0.3	
ZLC4PY	3,328.0	-4.0		1,725.0	-0.1		610.0	-1.0		995.0	0.0		843.0	0.0		

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	6,766.7			1,755.0			718.6			993.7			842.0			
Median Abs Dev	347.0			127.7			70.4			63.2			71.2			
Avg Within Lab SD	253.6			128.7			47.2			69.0			57.8			
Labs Included	33			33			33			33			33			
Labs Reporting	34			34			34			34			34			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
387PJL	279.9	0.5	0.7	268.4	1.1	0.9	191.4	1.6	2.2	175.1	1.6	1.8	133.7	0.9	2.3
4MZEDX	263.5	0.0	0.0	191.3	-0.5	0.0	150.3	-0.2	0.0	136.0	-0.3	0.0	112.9	-0.1	0.0
4UNJF8	249.7	-0.5	0.1	195.0	-0.5		153.7	-0.1	0.1	120.3	-1.1	0.1	116.7	0.1	0.1
6G9P8D	282.7	0.6	1.2	236.7	0.4	1.2	175.0	0.9	1.1	153.3	0.5	0.7	131.7	0.8	0.3
7W7ATV	287.7	0.8	1.3	224.7	0.2	0.9	176.3	0.9	0.8	152.3	0.5	0.6	131.7	0.8	0.5
9QYJUX	256.7	-0.2	0.8	217.3	0.0	0.7	153.6	-0.1	0.7	143.1	0.0	0.5	104.9	-0.5	0.5
9WPWT2	291.4	0.9	0.0	214.0	-0.1		154.7	0.0	0.0	141.4	-0.1	0.0	115.2	0.0	0.0
A79PKN	276.4	0.4	0.3	213.7	-0.1	0.3	151.5	-0.2	0.5	143.6	0.0	0.5	101.5	-0.7	0.2
AA87UW	238.3	-0.9	1.0	157.0	-1.3	0.7	119.3	-1.6	0.6	103.7	-2.0	0.1	83.3	-1.6	0.4
AW6FDX	231.3	-1.1	1.0	176.3	-0.9	1.1	133.3	-1.0	0.4	115.7	-1.4	0.2	98.0	-0.9	0.9
BDW47G	264.5	0.0	0.3	226.3	0.2	0.9	182.9	1.2	0.3	157.2	0.7	0.1	127.4	0.6	0.4
CRTTNY	520.7	8.5X	1.0	390.3	3.7X	0.8	286.3	5.8X	1.5	276.0	6.7X	0.8	218.3	5.0X	0.6
DF8AMR	298.7	1.1	0.1	229.3	0.3	0.0	183.0	1.2	0.1	150.7	0.4	0.1	114.7	0.0	0.1
ENJQVR	266.0	0.1	0.1	181.7	-0.7	0.2	150.3	-0.2	0.3	139.4	-0.2	0.4	114.4	-0.1	0.1
FGWKBQ	248.5	-0.5	0.4	211.3	-0.1	0.5	143.5	-0.5	0.1	140.5	-0.1	0.4	117.4	0.1	0.2
G42FUD	266.3	0.1	0.3	217.5	0.0	0.2	156.0	0.0	0.5	133.0	-0.5	1.1	104.8	-0.5	0.9
KL97YD	324.2	2.0	1.3	373.8	3.4	0.1	210.1	2.4	2.1	180.1	1.9	1.1	166.7	2.5	0.6
KQJ33M	258.4	-0.2	2.9	234.3	0.4	3.4	140.6	-0.7	3.0	122.8	-1.0	2.7	135.2	0.9	2.3
M2W4DD	304.0	1.3	0.3	303.3	1.9	2.1	193.3	1.7	0.1	173.0	1.5	0.4	147.7	1.6	1.9
MQFG4C	237.3	-0.9	0.7	178.8	-0.8	0.1	140.4	-0.7	0.6	122.7	-1.0	0.2	99.3	-0.8	0.3
NJDZEC	338.0	2.5	0.2	323.0	2.3	0.5	183.7	1.2	0.2	168.0	1.3	0.3	181.0	3.2	2.1
PCMCAK	234.7	-1.0	0.1	215.7	0.0	0.1	158.7	0.1	0.1	145.7	0.1	0.3	110.0	-0.3	0.2
PF9UCB	242.2	-0.7	1.8	195.6	-0.4	0.8	128.0	-1.2	2.0	114.2	-1.4	1.1	88.7	-1.3	0.6
Q8R673	276.3	0.4	3.1	220.0	0.1	2.3	170.0	0.6	2.0	146.0	0.2	3.7	118.7	0.1	2.8
RJ3W93	261.2	-0.1	0.1	305.1	1.9	0.2	172.9	0.8	0.2	159.5	0.8	0.2	144.1	1.4	0.4
TAXTRJ	281.7	0.6	0.6	193.0	-0.5	0.3	144.3	-0.5	0.3	133.7	-0.5	0.3	114.0	-0.1	0.5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
UZW9U9	256.1	-0.3	0.5	219.1	0.1	0.3	167.2	0.5	0.3	147.9	0.3	0.1	115.6	0.0	0.2	
VGZ6QD	257.7	-0.2	0.1	193.7	-0.5	0.3	156.0	0.0	0.3	142.3	0.0	0.3	115.7	0.0	0.1	
XGY367	269.0	0.2	0.2	208.7	-0.2	0.2	152.0	-0.1	0.3	140.0	-0.1	0.3	109.3	-0.3	0.4	
YCHF4T	285.1	0.7	0.5	210.6	-0.1	0.4	153.4	-0.1	0.3	141.2	-0.1	0.3	117.0	0.1	0.1	
YP4GDK	258.9	-0.2	0.1	282.9	1.4	0.2	167.5	0.5	0.1	148.9	0.3	0.0	129.5	0.7	0.2	
ZFE4Z8	253.2	-0.4	0.2	188.8	-0.6	0.3	145.7	-0.4	0.3	120.5	-1.1	0.8	105.5	-0.5	0.4	
ZLC4PY	193.0	-2.4		250.0	0.7		162.0	0.3		155.0	0.6		124.0	0.4		

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	264.0			216.5			155.4			142.7			115.6			
Median Abs Dev	15.7			21.2			12.0			9.7			10.8			
Avg Within Lab SD	16.0			15.1			9.0			9.6			8.0			
Labs Included	32			32			32			32			32			
Labs Reporting	33			33			33			33			33			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4MZEDX	69.8	-0.9	0.0	29.8	-0.4	0.0	20.1	0.2	0.0	16.1	0.4	0.0	23.4	0.4	0.0	
6G9P8D	97.3	0.3	0.5	35.0	0.0	0.4	18.3	0.0	0.2	9.3	-0.4	0.7	18.3	-0.1	0.9	
7W7ATV	125.0	1.5	0.7	65.0	2.0	0.2	53.3	4.2	1.3	39.0	3.4	1.0	47.0	3.0	0.9	
9QYJUX	87.8	-0.1	0.3	39.0	0.2	0.1	18.1	0.0	0.5	11.5	-0.1	0.5	19.3	0.0	0.5	
9WPWT2	89.9	0.0	0.0	34.6	-0.1	0.0	18.0	0.0		11.8	-0.1	0.0	18.1	-0.1	0.0	
A79PKN	86.1	-0.1	0.5	35.4	0.0	0.7	16.5	-0.2	0.4	13.6	0.1	0.4	18.7	-0.1	0.4	
AW6FDX	72.0	-0.8	0.3	33.7	-0.1	0.3	18.0	0.0	0.3	13.0	0.0	0.5	37.7	2.0	1.7	
CRTTNY	130.3	1.8	1.3	48.0	0.9	0.4	24.7	0.8	0.7	16.3	0.5	1.5	23.0	0.4	0.3	
DF8AMR	108.3	0.8	0.1	55.7	1.4	0.5	38.0	2.4		25.0	1.6		32.0	1.4		
ENJQVR	83.7	-0.3	0.1	27.9	-0.5	0.6	17.8	-0.1	0.2	10.6	-0.3	0.6	20.0	0.1	0.4	
FGWKBQ	89.6	0.0	0.3	40.9	0.4	0.5	18.3	0.0	0.1	13.5	0.1	0.5	22.2	0.3	0.3	
G42FUD	89.5	0.0	0.1	31.9	-0.2	0.1	17.1	-0.1	0.3	11.1	-0.2	1.9	14.7	-0.5	0.4	
KL97YD	99.4	0.4	0.3	45.0	0.7	0.1	21.1	0.3	0.3	5.8	-0.9	0.2	15.2	-0.4	0.2	
KQJ33M	70.1	-0.8	3.5	74.2	2.7X	9.7	63.7	5.5X	17.2	60.7	6.2X	40.2	66.3	5.1X	17.4	
M2W4DD	98.0	0.4	0.2	49.0	0.9	1.3	23.7	0.6	0.2	13.0	0.0		21.7	0.3	1.2	
MQFG4C	46.6	-1.9	0.1	21.1	-1.0	0.3	15.3	-0.4	0.2	20.2	1.0	0.3	12.5	-0.7	0.2	
PCMCAK	77.5	-0.5	0.0	26.5	-0.6	0.1	10.2	-1.0	0.1	2.5	-1.3	0.2	8.5	-1.2	0.1	
PF9UCB	143.6	2.3	1.9	52.9	1.2	2.4	25.9	0.9	1.2	12.2	-0.1	2.4	23.1	0.4	3.1	
Q8R673	75.5	-0.6	1.6	31.6	-0.3	1.3	21.9	0.4	1.1	12.9	0.0	2.2	11.9	-0.8	0.6	
RJ3W93	105.3	0.7	1.2	51.0	1.1	3.2	24.5	0.7	3.7	3.1	-1.2	0.6	35.5	1.8	2.0	
XGY367	55.5	-1.5	0.1	25.0	-0.7	0.2	17.7	-0.1	0.2	12.7	0.0	0.3	15.7	-0.4	0.2	
YCHF4T	90.1	0.0	0.3	27.4	-0.5	0.2	12.3	-0.7	0.1	4.0	-1.1	0.0	11.0	-0.9	0.0	
YP4GDK	89.1	0.0	0.1	44.4	0.6	0.1	22.5	0.5	0.3	11.1	-0.2	0.5	20.9	0.2	0.4	
ZLC4PY	102.0	0.5		60.0	1.7		32.0	1.7		31.0	2.4		19.0	0.0		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	89.6	35.4	18.3	12.7	19.3	
Median Abs Dev	12.3	8.9	3.1	2.1	3.8	
Avg Within Lab SD	11.1	4.5	3.4	2.0	3.4	
Labs Included	24	23	23	23	23	
Labs Reporting	24	24	24	24	24	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	20.6	0.1	1.3	73.6	0.2	1.3	22.9	0.2	0.9	8.6	0.4	1.0	12.0	0.1	0.5	
4MZEDX	43.5	5.1	0.0	41.9	-2.3	0.0	15.8	-1.9	0.0	9.3	0.8	0.0	11.2	0.0	0.0	
6G9P8D	20.3	0.1	1.2	74.3	0.3	0.8	24.0	0.6	0.3	5.7	-1.2	0.6	11.7	0.1	0.3	
7W7ATV	22.0	0.4	1.3	74.0	0.3	0.3	25.0	0.9	0.6	8.1	0.1	0.4	13.1	0.4	0.4	
9QYJUX	20.1	0.0	0.4	71.8	0.1	0.1	19.9	-0.7	0.8	7.1	-0.4	0.4	11.3	0.0	0.5	
9WPWT2	19.7	-0.1	0.0	64.1	-0.5	0.0	21.0	-0.4		6.6	-0.7	0.0	11.1	-0.1	0.0	
A79PKN	20.8	0.2	0.5	65.3	-0.4	0.6	21.2	-0.3	0.4	7.5	-0.2	0.1	12.4	0.2	0.1	
AW6FDX	17.7	-0.5	0.9	58.0	-1.0	0.5	19.3	-0.9	0.2	6.7	-0.7	0.6	11.0	-0.1	0.4	
BDW47G	20.3	0.0	0.1	70.3	0.0	0.4	25.2	0.9	0.1	8.7	0.4	0.0	12.8	0.3	0.0	
CRTTNY	37.3	3.8	1.9	111.3	3.3X	1.3	37.0	4.6X	0.6	9.0	0.6	2.0	16.3	1.1	1.0	
DF8AMR	22.0	0.4		70.7	0.0	0.1	25.0	0.9		8.0	0.1		12.0	0.1		
ENJQVR	20.4	0.1	0.3	51.9	-1.5	0.1	20.5	-0.5	0.2	8.7	0.5	0.4	11.1	-0.1	0.5	
FGWKBQ	20.4	0.1	0.3	70.0	-0.1	0.4	21.2	-0.3	0.4	7.8	-0.1	0.5	12.2	0.2	0.2	
KL97YD	72.5	11.5X	9.0	115.9	3.6X	0.8	26.0	1.2	4.2	4.1	-2.1	3.1	1.0	-2.2	0.3	
KQJ33M	64.6	9.8X	13.4	76.7	0.5	4.1	32.6	3.2X	6.6	19.8	6.6X	8.4	25.4	3.0	4.5	
M2W4DD	23.7	0.8	1.6	96.0	2.0	0.9	29.0	2.1	0.6	10.0	1.2	1.0	15.0	0.8	0.4	
MQFG4C	19.2	-0.2	0.3	59.3	-0.9	0.3	19.9	-0.7	0.1	6.4	-0.8	0.3	10.2	-0.3	0.2	
PCMCAK	18.3	-0.4	0.0	71.1	0.0	0.1	23.1	0.3	0.1	7.3	-0.3	0.5	11.0	-0.1	0.2	
PF9UCB	20.3	0.0	2.1	61.7	-0.7	0.4	19.1	-0.9	0.9	7.6	-0.2	1.2	10.2	-0.2	0.2	
Q8R673	18.4	-0.4	2.2	71.7	0.1	1.3	24.2	0.6	0.8	8.4	0.3	2.1	8.7	-0.6	1.4	
RJ3W93	17.3	-0.6	0.1	74.2	0.3	0.2	22.5	0.1	0.1	12.5	2.5	0.4	17.3	1.3	0.1	
UZW9U9	18.9	-0.3	0.2	69.7	-0.1	0.0	22.1	0.0	0.2	6.4	-0.8	0.2	10.5	-0.2	0.2	
VGZ6QD	19.0	-0.2	0.2	61.0	-0.8		22.2	0.0	0.1	7.2	-0.4	0.3	11.1	0.0	0.1	
XGY367	17.2	-0.6	0.2	55.3	-1.2	0.5	18.3	-1.2	0.2	8.3	0.2	0.6	11.0	-0.1	0.4	
YCHF4T	12.5	-1.7	0.9	75.7	0.4	0.3	21.4	-0.2	0.1	4.5	-1.8	0.2	9.2	-0.5	0.1	
YP4GDK	19.5	-0.1	0.4	91.5	1.7	0.1	24.7	0.8	0.2	8.0	0.1	0.6	13.5	0.5	0.1	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
SRS1801				SRS1802				SRS1803			SRS1804			SRS1805		
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	
ZLC4PY	17.0	-0.7		88.0	1.4		23.0	0.3		9.0	0.6		38.0	5.8		

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
SRS1801				SRS1802				SRS1803			SRS1804			SRS1805		
Grand Median	20.1			70.7			22.2			7.89			11.3			
Median Abs Dev	1.2			5.4			2.1			0.81			1.0			
Avg Within Lab SD	1.3			7.0			2.9			1.01			2.2			
Labs Included	25			25			25			26			27			
Labs Reporting	27			27			27			27			27			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, AI (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	200.9	0.0	0.2	825.7	1.1	1.6	973.7	0.6	2.1	665.2	0.1	1.5	1,042.2	0.9	1.4	
7W7ATV	215.7	0.4	0.3	737.0	0.2	0.3	973.7	0.6	0.3	707.0	0.5	0.1	1,018.0	0.8	0.5	
9QYJUX	203.6	0.0	0.0	715.5	-0.1	0.3	893.2	-0.2	0.8	655.6	-0.1	0.3	901.6	-0.2	0.7	
A79PKN	217.1	0.4	0.8	680.1	-0.5	0.5	820.2	-0.8	0.3	597.6	-0.7	0.4	866.9	-0.5	0.4	
AW6FDX	163.7	-1.0	1.1	575.3	-1.6	1.0	710.0	-1.8	1.1	494.3	-1.8	0.4	772.7	-1.2	0.8	
ENJQVR	206.1	0.1	0.1	661.6	-0.7	0.1	936.9	0.2	0.3	671.9	0.1	0.2	1,024.0	0.8	0.1	
FGWKBQ	217.7	0.4	0.1	634.9	-0.9	0.4	745.3	-1.5	0.2	552.4	-1.2	0.3	855.6	-0.5	0.3	
KQJ33M	269.9	1.8X	14.6	1,794.8	11.6X	43.3	2,164.4	11.5X	66.6	1,457.5	8.8X	37.7	2,316.0	11.2X	38.9	
M2W4DD	221.7	0.5	0.8	859.7	1.5	1.5	997.7	0.8	0.6	744.3	0.9	0.8	1,043.3	1.0	1.5	
PCMCAK	180.7	-0.6	0.3	712.0	-0.1	0.2	878.7	-0.3	0.1	606.0	-0.6	0.2	918.0	0.0	0.2	
PF9UCB	114.4	-2.4	1.7	729.9	0.1	1.0	838.6	-0.7	1.0	586.7	-0.8	1.5	858.7	-0.5	1.1	
Q8R673	142.3	-1.6	2.9	736.6	0.1	2.5	950.8	0.4	2.4	797.9	1.5	2.9	844.7	-0.6	2.6	
XGY367	187.7	-0.4	0.1	676.0	-0.5	0.1	846.0	-0.6	0.2	609.7	-0.6	0.1	930.3	0.0	0.1	
YCHF4T	248.0	1.2	0.1	752.8	0.3	0.4	930.8	0.2	0.1	674.8	0.2	0.2	1,013.5	0.7	0.1	
YP4GDK	190.7	-0.3	0.1	888.3	1.8	0.1	1,001.0	0.8	0.1	698.3	0.4	0.2	1,124.2	1.6	0.1	

Mehlich-3, AI (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	202.3			722.7			912.0			660.4			924.2			
Median Abs Dev	15.1			44.7			63.9			52.5			84.4			
Avg Within Lab SD	19.2			47.1			38.1			44.8			70.5			
Labs Included	14			14			14			14			14			
Labs Reporting	15			15			15			15			15			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	5.22	1.02	0.62	2.82	1.48	1.43	6.21	0.83	1.86	3.04	2.14	1.04	2.18	2.00	0.69	
4MZEDX	4.59	0.13	0.00	1.76	-0.69	0.00	4.94	-0.49	0.00	1.76	-0.78	0.00	1.17	-0.91	0.00	
6G9P8D	4.77	0.37	1.03	2.37	0.55	0.40	5.73	0.33	0.79	2.33	0.53	0.27	1.73	0.71	0.36	
7W7ATV	4.98	0.68	1.51	2.24	0.29	0.35	5.76	0.36	1.77	2.45	0.80	0.72	1.58	0.26	0.80	
9QYJUX	4.71	0.29	0.03	2.17	0.15	0.18	4.97	-0.47	0.27	2.27	0.40	0.14	1.32	-0.48	0.17	
9WPWT2	4.39	-0.16	0.00	2.22	0.25	0.00	5.04	-0.39	0.00	2.13	0.07	0.00	1.55	0.18	0.00	
A79PKN	4.49	-0.02	0.12	1.83	-0.55	0.54	4.91	-0.53	0.65	1.96	-0.33	0.49	1.26	-0.64	0.13	
AW6FDX	3.43	-1.52	0.19	1.77	-0.68	0.40	4.43	-1.02	0.22	1.63	-1.06	0.27	1.27	-0.63	0.36	
BDW47G	4.52	0.02	0.02	1.80	-0.61	0.70	5.42	0.00	0.14	2.10	-0.01	0.10	1.30	-0.55	0.26	
CRTTNY	2.30	-3.12	0.67	1.43	-1.36	0.40	2.90	-2.62	0.76	1.53	-1.29	0.72	2.40	2.63	1.26	
DF8AMR	4.83	0.47	0.39	2.20	0.20	0.00	6.60	1.23	0.38	2.40	0.68	0.00	1.30	-0.54	0.00	
ENJQVR	4.29	-0.30	0.08	1.77	-0.67	0.33	4.72	-0.73	1.27	1.86	-0.55	0.55	1.21	-0.79	0.63	
FGWKBQ	4.29	-0.30	0.38	1.96	-0.29	0.25	4.97	-0.46	0.52	2.06	-0.10	0.46	1.32	-0.47	0.37	
KL97YD	4.94	0.62	2.80	2.79	1.40	3.57	6.68	1.31	1.83	2.35	0.56	1.48	1.69	0.57	0.18	
KQJ33M	8.68	5.93X	19.70	5.58	7.11X	15.04	10.46	5.25X	20.22	4.00	4.34X	9.00	0.31	-3.38X	16.31	
M2W4DD	5.33	1.18	1.03	2.87	1.57	2.14	6.43	1.06	0.79	2.83	1.67	0.72	1.67	0.52	1.59	
MQFG4C	3.76	-1.05	0.12	1.50	-1.22	0.35	4.16	-1.31	0.19	1.49	-1.39	0.09	1.06	-1.24	0.48	
NJDZEC	5.75	1.77	0.56	2.79	1.42	0.72	5.78	0.38	0.28	2.84	1.68	0.44	1.90	1.20	0.31	
PCMLAK	4.08	-0.60	0.12	2.10	0.00	0.12	5.43	0.02	0.41	2.08	-0.05	0.30	1.48	-0.02	0.13	
PF9UCB	4.40	-0.14	1.66	2.06	-0.09	0.62	5.58	0.17	2.40	2.04	-0.14	0.79	1.20	-0.82	0.28	
Q8R673	4.43	-0.10	2.82	1.97	-0.27	1.46	5.70	0.30	1.51	1.93	-0.38	2.83	1.63	0.42	4.29	
RJ3W93	5.29	1.12	0.70	2.98	1.81	0.33	6.79	1.43	0.10	2.59	1.12	0.02	1.67	0.54	0.16	
UZW9U9	4.27	-0.33	0.46	2.09	-0.02	1.16	5.38	-0.04	1.75	2.21	0.25	1.04	1.50	0.04	0.79	
VGZ6QD	4.23	-0.38	0.51	2.03	-0.14	0.40	4.83	-0.61	0.22	2.07	-0.08	0.27	1.27	-0.63	0.36	
XGY367	4.80	0.42	0.34	2.43	0.68	0.40	5.50	0.09	0.38	2.23	0.30	0.54	1.55	0.18	0.32	
YCHF4T	5.02	0.73	0.62	2.12	0.05	0.29	5.80	0.40	0.24	2.70	1.38	3.12	1.46	-0.07	0.17	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
YP4GDK	4.02	-0.69	0.10	2.17	0.14	0.11	5.27	-0.15	0.10	2.10	0.00	0.43	1.49	0.00	0.29	
ZLC4PY	0.30	-5.96X		1.30	-1.64		4.00	-1.48		1.90	-0.46		1.90	1.19		
Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	4.50			2.10			5.42			2.10			1.49			
Median Abs Dev	0.31			0.27			0.45			0.23			0.19			
Avg Within Lab SD	0.30			0.14			0.26			0.21			0.16			
Labs Included	26			27			27			27			27			
Labs Reporting	28			28			28			28			28			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
387PJL	183.4	0.0	0.1	26.8	0.7	1.2	83.6	0.2	0.7	173.6	-0.1	0.6	89.8	0.5	0.5
4MZEDX	184.3	0.1	0.0	18.3	-0.7	0.0	71.8	-0.6	0.0	154.7	-0.6	0.0	73.8	-0.4	0.0
6G9P8D	160.7	-0.7	0.8	23.3	0.1	1.3	69.0	-0.9	0.4	153.7	-0.6	0.4	83.3	0.1	0.1
7W7ATV	200.3	0.6	0.8	25.0	0.4	1.0	81.3	0.1	1.1	204.3	0.9	0.5	88.7	0.4	0.3
9QYJUX	173.5	-0.3	0.3	22.9	0.1	0.3	75.0	-0.4	0.3	180.1	0.1	0.2	74.6	-0.4	0.4
9WPWT2	178.4	-0.1	0.0	21.0	-0.3		74.7	-0.4	0.0	167.7	-0.2	0.0	76.2	-0.3	0.0
A79PKN	186.6	0.1	0.8	19.3	-0.6	0.2	74.5	-0.4	0.1	159.2	-0.5	0.3	74.6	-0.4	0.2
AW6FDX	139.3	-1.5	0.5	18.7	-0.7	0.3	66.3	-1.0	0.6	133.7	-1.2	0.5	68.7	-0.7	0.4
BDW47G	176.7	-0.2	0.1	21.2	-0.2	0.5	82.1	0.1	0.2	167.1	-0.2	0.0	76.7	-0.3	0.0
CRTTNY	244.7	2.1	0.4	41.7	3.2X	2.0	481.0	30.0X	4.4	200.7	0.8	0.5	435.7	20.0X	1.1
DF8AMR	167.3	-0.5	0.1	25.0	0.4		92.0	0.9		165.3	-0.3	0.1	81.3	0.0	0.0
ENJQVR	181.5	0.0	0.3	18.3	-0.7	0.1	74.1	-0.5	0.1	173.6	-0.1	0.2	80.6	0.0	0.0
FGWKBQ	177.3	-0.2	0.2	19.6	-0.5	0.5	70.8	-0.7	0.2	157.8	-0.5	0.1	75.5	-0.3	0.0
KL97YD	232.8	1.7	0.8	33.9	1.9	0.2	103.7	1.7	1.2	233.8	1.7	0.4	111.0	1.7	0.2
KQJ33M	228.9	1.6	1.9	23.8	0.2	3.1	93.6	1.0	3.2	244.7	2.1	2.6	106.2	1.4	1.0
M2W4DD	199.7	0.6	0.7	30.0	1.3	1.9	87.7	0.5	0.1	185.0	0.3	0.3	96.0	0.8	0.9
MQFG4C	156.4	-0.9	0.2	16.1	-1.1	0.1	51.7	-2.1	0.4	130.5	-1.3	0.0	54.4	-1.5	0.1
NJDZEC	234.4	1.7	1.5	35.0	2.1	0.7	91.9	0.9	0.3	210.8	1.1	0.3	105.6	1.4	0.2
PCMLAK	171.7	-0.4	0.0	26.1	0.6	0.1	79.4	-0.1	0.3	176.7	0.0	0.2	79.0	-0.1	0.1
PF9UCB	180.1	-0.1	1.1	31.4	1.5	1.1	96.1	1.2	1.9	176.7	0.0	0.3	92.3	0.6	0.2
Q8R673	218.5	1.2	3.8	21.7	-0.2	1.4	89.6	0.7	2.3	185.4	0.3	4.2	118.6	2.1	4.7
UZW9U9	145.9	-1.2	0.3	20.4	-0.4	0.1	71.7	-0.6	0.0	139.9	-1.1	0.3	70.0	-0.6	0.0
VGZ6QD	196.0	0.5	0.2	29.7	1.2	0.3	96.7	1.2	0.2	191.0	0.5	0.2	103.7	1.3	0.2
XGY367	179.3	-0.1	0.4	19.5	-0.5	0.9	78.3	-0.2	0.8	175.3	0.0	0.2	79.3	-0.1	0.2
YCHF4T	212.5	1.0	0.2	22.3	-0.1	0.3	83.8	0.3	0.1	207.9	1.0	0.1	91.6	0.6	0.1
YP4GDK	187.6	0.2	0.2	28.9	1.1	0.3	82.7	0.2	0.1	200.2	0.7	0.2	94.8	0.8	0.0



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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
ZLC4PY	4.1	-6.0 X		22.0	-0.1		73.0	-0.6		107.0	-2.0		228.0	8.3 X				

Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	182.5			22.6			80.4			175.3			81.3					
Median Abs Dev	14.3			3.2			8.0			17.5			8.5					
Avg Within Lab SD	13.3			1.9			5.1			23.0			13.8					
Labs Included	26			26			26			27			25					
Labs Reporting	27			27			27			27			27					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	57.5	0.3	0.9	535.5	-0.2	0.6	393.0	0.0	0.2	167.9	0.5	0.8	315.5	0.2	0.7	
4MZEDX	56.8	0.3	0.0	585.4	0.4	0.0	369.0	-0.4	0.0	135.2	-0.6	0.0	283.0	-0.5	0.0	
6G9P8D	47.7	-0.6	0.6	454.7	-1.1	0.4	346.3	-0.8	0.2	139.7	-0.4	0.3	293.7	-0.2	0.4	
7W7ATV	60.7	0.6	1.8	564.0	0.1	0.9	425.3	0.6	0.6	181.7	0.9	0.2	345.3	0.8	0.5	
9QYJUX	52.7	-0.1	0.3	524.2	-0.3	0.5	385.8	-0.1	0.1	144.3	-0.3	0.3	307.8	0.0	0.2	
9WPWT2	51.7	-0.2	0.0	682.0	1.5		399.3	0.2	0.0	152.1	0.0	0.0	326.2	0.4	0.0	
A79PKN	52.8	-0.1	0.7	584.2	0.4	0.6	365.6	-0.5	0.1	133.0	-0.6	0.3	277.9	-0.6	0.3	
AW6FDX	43.7	-0.9	0.3	503.0	-0.6	0.9	321.7	-1.3	0.3	113.0	-1.3	0.3	241.3	-1.3	0.4	
BDW47G	49.2	-0.4	0.1	367.6	-2.2	0.0	344.5	-0.9	0.1	134.1	-0.6	0.1	247.8	-1.1	0.1	
CRTTNY	75.3	2.0	0.5	729.3	2.1	1.2	481.0	1.7	0.6	200.7	1.6	0.5	435.7	2.5	0.5	
DF8AMR	53.7	0.0	0.1	536.0	-0.2	0.3	364.0	-0.5	0.3	149.0	-0.1		279.3	-0.5	0.1	
ENJQVR	48.5	-0.5	0.3	513.9	-0.4	0.1	378.1	-0.2	0.2	151.6	0.0	0.2	343.7	0.7	0.1	
FGWKBQ	48.0	-0.5	0.2	576.5	0.3	0.5	346.6	-0.8	0.3	126.5	-0.9	0.2	262.3	-0.9	0.1	
KL97YD	63.0	0.8	0.2	573.4	0.3	0.4	447.6	1.1	0.2	175.4	0.7	0.3	345.6	0.8	0.2	
KQJ33M	61.4	0.7	2.4	623.7	0.8	3.6	449.8	1.1	4.7	187.0	1.1	3.4	382.3	1.5	3.6	
M2W4DD	62.0	0.7	0.6	531.3	-0.2	1.0	393.0	0.0	0.3	178.0	0.8	0.4	294.3	-0.2	0.4	
MQFG4C	81.3	2.5	0.7	594.0	0.5	0.3	389.2	0.0	0.4	153.8	0.0	0.4	310.9	0.1	0.2	
NJDZEC	82.9	2.7	2.7	468.7	-1.0	0.5	401.5	0.2	0.4	204.2	1.7	0.8	347.2	0.8	0.6	
PCMCAK	47.2	-0.6	0.4	582.0	0.4	0.3	396.3	0.1	0.1	145.7	-0.2	0.2	304.3	0.0	0.1	
PF9UCB	50.1	-0.4	0.3	474.5	-0.9	1.6	357.3	-0.6	0.8	143.4	-0.3	0.3	288.7	-0.3	0.2	
Q8R673	54.8	0.1	2.5	595.1	0.5	1.8	428.7	0.7	1.1	211.2	1.9	3.3	260.7	-0.9	3.3	
UZW9U9	40.8	-1.2	0.1	406.3	-1.7	0.5	308.2	-1.6	0.4	124.7	-0.9	0.2	276.7	-0.6	0.0	
VGZ6QD	53.3	-0.1	0.3	516.0	-0.4	0.1	311.3	-1.5	0.1	158.3	0.2	0.1	296.3	-0.2	0.0	
XGY367	55.7	0.2	0.3	581.7	0.3	0.1	419.0	0.5	0.2	166.7	0.4	0.2	338.3	0.6	0.2	
YCHF4T	63.9	0.9	0.1	598.3	0.5	0.2	439.9	0.9	0.1	176.6	0.8	0.1	342.7	0.7	0.0	
YP4GDK	54.2	0.0	0.2	539.9	-0.1	0.2	439.4	0.9	0.1	170.5	0.6	0.1	362.1	1.1	0.1	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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
ZLC4PY	1.6	-4.8X		43.0	-6.0X		99.0	-5.5X		78.0	-2.4X		11.0	-5.8X				

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	53.9			552.0			391.1			152.9			306.1					
Median Abs Dev	5.7			37.0			34.0			18.3			30.8					
Avg Within Lab SD	4.4			23.5			35.6			21.3			31.6					
Labs Included	26			26			26			26			26					
Labs Reporting	27			27			27			27			27					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	3.72	0.12	0.90	0.91	0.15	0.27	2.26	1.10	0.94	1.26	1.57	2.19	1.47	0.89	0.55	
4MZEDX	3.91	0.51	0.00	1.11	0.69	0.00	1.87	0.00	0.00	0.74	-0.91	0.00	1.24	0.23	0.00	
6G9P8D	3.83	0.34	1.89	0.60	-0.66	0.38	1.73	-0.39	0.84	1.07	0.65	1.69	1.47	0.88	0.44	
7W7ATV	4.12	0.94	1.85	0.70	-0.39	0.06	2.07	0.57	0.82	1.01	0.36	0.57	1.29	0.36	0.28	
9QYJUX	3.53	-0.29	0.12	1.25	1.06	0.08	1.83	-0.12	0.15	0.91	-0.08	0.46	0.97	-0.58	0.27	
9WPWT2	3.31	-0.74	0.00	1.32	1.25	0.00	1.69	-0.51	0.00	0.81	-0.57	0.00	1.01	-0.46	0.00	
A79PKN	3.69	0.04	0.98	1.20	0.92	0.14	1.85	-0.07	0.03	0.81	-0.55	0.46	0.98	-0.54	0.25	
AW6FDX	2.73	-1.94	0.27	0.93	0.22	0.22	1.77	-0.30	0.32	0.63	-1.41	0.64	0.80	-1.08	0.29	
BDW47G	3.64	-0.06	1.36	0.75	-0.27	0.10	1.86	-0.04	0.03	0.88	-0.22	0.06	1.01	-0.47	0.09	
CRTTNY	4.27	1.24	0.27	0.67	-0.48	0.22	1.40	-1.34	0.55	0.93	0.02	2.56	1.07	-0.29	0.17	
DF8AMR	3.70	0.07	0.00	0.80	-0.13	0.00	1.80	-0.20	0.00	0.60	-1.57	0.00	0.80	-1.08	0.00	
ENJQVR	3.37	-0.61	0.46	0.96	0.29	0.22	1.96	0.26	0.06	0.81	-0.59	1.77	2.29	3.32	4.83	
FGWKBQ	3.40	-0.55	0.35	1.31	1.22	0.31	1.80	-0.20	0.17	0.89	-0.21	0.42	1.01	-0.45	0.03	
KL97YD	4.28	1.26	0.89	0.83	-0.05	0.18	2.37	1.41	0.55	1.08	0.73	0.31	1.44	0.81	0.07	
KQJ33M	3.67	0.00	2.12	0.55	-0.79	4.99	2.16	0.84	4.54	0.90	-0.13	1.13	0.97	-0.58	1.15	
M2W4DD	3.87	0.41	0.72	1.10	0.67	0.66	2.20	0.94	0.55	1.13	0.97	0.64	1.40	0.69	0.50	
MQFG4C	3.54	-0.26	0.43	1.57	1.91	0.06	1.93	0.18	0.39	0.94	0.03	0.34	1.19	0.06	0.21	
NJDZEC	4.60	1.93	0.94	0.65	-0.53	0.17	1.94	0.20	0.50	1.22	1.38	0.59	1.56	1.16	0.38	
PCMCAK	2.94	-1.52	0.16	1.25	1.06	0.14	2.16	0.84	0.17	0.93	0.00	0.11	1.19	0.06	0.09	
PF9UCB	3.22	-0.92	1.69	0.53	-0.85	0.19	1.60	-0.78	0.94	0.75	-0.84	0.98	0.95	-0.65	0.36	
Q8R673	3.97	0.62	2.21	0.87	0.05	0.96	3.20	3.79X	4.15	1.17	1.12	1.69	1.17	0.00	0.84	
RJ3W93	3.91	0.49	0.17	1.04	0.51	0.18	2.25	1.08	0.21	1.11	0.87	0.14	1.48	0.93	0.16	
UZW9U9	3.46	-0.43	0.61	0.54	-0.82	0.14	1.58	-0.82	0.44	0.85	-0.37	0.17	1.10	-0.21	0.07	
VGZ6QD	3.27	-0.83	0.27	0.42	-1.14	0.07	0.86	-2.89	0.11	0.90	-0.13	0.26	0.78	-1.13	0.04	
XGY367	3.50	-0.35	0.47	0.66	-0.49	0.06	2.10	0.65	0.55	1.03	0.49	0.64	1.15	-0.05	0.15	
YCHF4T	4.39	1.50	0.73	0.72	-0.33	0.03	2.23	1.02	0.45	1.22	1.36	1.28	1.44	0.80	0.33	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
YP4GDK	3.55	-0.24	0.22	0.66	-0.49	0.17	1.92	0.14	0.17	0.93	0.00	0.29	1.32	0.46	0.12	
ZLC4PY	0.30	-6.98X		1.40	1.46		1.40	-1.34		1.30	1.76		85.00	246.88X		

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	3.67			0.85			1.87			0.93			1.17			
Median Abs Dev	0.24			0.22			0.20			0.12			0.20			
Avg Within Lab SD	0.21			0.26			0.18			0.09			0.34			
Labs Included	27			28			27			28			27			
Labs Reporting	28			28			28			28			28			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4MZEDX	1.63	-0.32	0.00	1.28	1.64	0.00	0.75	1.38	0.00	0.37	0.47	0.00	0.62	1.03	0.00	
6G9P8D	2.23	1.07	0.84	0.87	0.39	0.67	0.57	0.70	0.42	0.50	1.33		0.57	0.80	0.28	
9QYJUX	1.93	0.36	0.36	0.71	-0.08	0.70	0.37	-0.04	0.19	0.30	-0.05	0.43	0.34	-0.09	0.07	
9WPWT2	1.88	0.25	0.00	0.76	0.07	0.00	0.38	0.00	0.00	0.29	-0.09	0.00	0.38	0.08	0.00	
A79PKN	1.86	0.21	0.51	0.69	-0.12	0.47	0.40	0.07	0.13	0.32	0.14	0.18	0.39	0.13	0.07	
AW6FDX	1.27	-1.18	0.32	1.23	1.49	1.35	0.72	1.26	0.21	0.48	1.22	0.33	0.63	1.06	0.28	
BDW47G	1.89	0.26	0.37	0.63	-0.30	0.38	0.32	-0.21	0.15	0.34	0.23	0.13	0.32	-0.15	0.10	
CRTTNY	2.47	1.61	1.76	1.13	1.19	0.67	0.90	1.95	0.73	1.43	7.65X	1.75	1.80	5.60X	0.49	
DF8AMR	0.80	-2.26	0.00	0.80	0.19	0.00	0.40	0.07	0.00	0.20	-0.70	0.00	0.30	-0.23	0.00	
ENJQVR	1.36	-0.96	0.54	1.07	1.00	1.02	0.63	0.92	0.30	0.32	0.14	0.18	0.63	1.05	0.05	
FGWKBQ	1.85	0.17	0.30	0.76	0.07	0.42	0.37	-0.03	0.17	0.30	0.00	0.07	0.36	0.00	0.05	
KQJ33M	0.92	-1.99	3.63	2.14	4.19X	22.60	0.91	1.99	4.06	0.86	3.79	3.63	1.34	3.83	4.02	
M2W4DD	1.50	-0.64		0.40	-1.00	1.17	0.10	-1.05	0.00	0.13	-1.15	0.66	0.13	-0.88	0.28	
MQFG4C	1.77	0.00	0.37	0.34	-1.19	0.47	0.13	-0.95	0.08	0.13	-1.15	0.18	0.13	-0.89	0.10	
PCMCAK	1.70	-0.18	0.30	0.42	-0.94	0.31	0.19	-0.71	0.07	0.26	-0.27	0.33	0.20	-0.62	0.10	
PF9UCB	1.64	-0.32	0.83	0.77	0.10	0.52	0.41	0.12	0.25	0.26	-0.28	0.10	0.36	0.00	0.08	
Q8R673	1.98	0.47	0.90	0.46	-0.81	3.50	0.22	-0.60	1.79	0.31	0.05	2.14	0.30	-0.25	1.86	
UZW9U9	1.84	0.15	0.34	0.74	0.00	0.38	0.38	0.00	0.13	0.43	0.89	0.31	0.46	0.39	0.13	
XGY367	1.52	-0.58	0.23	1.02	0.84	0.89	0.69	1.15	0.48	0.39	0.59	0.34	0.58	0.86	0.18	
YCHF4T	2.19	0.96	0.32	0.48	-0.76	0.13	0.15	-0.85	0.04	0.20	-0.68	0.10	0.20	-0.61	0.06	
YP4GDK	1.68	-0.22	0.03	0.62	-0.35	0.18	0.25	-0.48	0.23	0.16	-0.95	0.18	0.23	-0.52	0.03	
ZLC4PY	0.40	-3.19X		0.20	-1.60		0.30	-0.30		0.30	-0.02		1.40	4.05X		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	1.77	0.74	0.38	0.30	0.36	
Median Abs Dev	0.16	0.25	0.17	0.07	0.14	
Avg Within Lab SD	0.18	0.09	0.14	0.09	0.21	
Labs Included	21	21	22	21	20	
Labs Reporting	22	22	22	22	22	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	1.63	1.28	1.31	0.87	0.29	0.78	3.47	1.00	0.98	1.27	0.96	0.80	0.57	0.60	1.07
3ZUC2Q	2.50	4.48 X		1.70	3.30 X		6.50	5.97 X		2.20	5.28 X		1.30	6.31 X	
4MZEDX	1.99	2.61	0.00	0.76	-0.08	0.00	2.14	-1.18	0.00	0.76	-1.38	0.00	0.51	0.14	0.00
4NXA79	1.22	-0.24	0.27	0.79	0.01	0.18	2.90	0.07	0.46	1.05	-0.03	0.14	0.49	-0.02	0.69
6GPH9N	1.29	0.00	0.85	0.87	0.31	0.86	2.52	-0.56	1.55	1.08	0.07	2.31	0.30	-1.50	1.51
6VB748	1.21	-0.28	0.11	0.60	-0.66	0.21	2.58	-0.45	0.18	1.10	0.18	0.00	0.50	0.08	
6Z92A9	1.00	-1.07	0.17	0.48	-1.10	0.14	2.36	-0.81	0.96	0.80	-1.22	0.16	0.30	-1.48	0.19
7KQWHY	1.53	0.89	0.50	0.97	0.66	0.60	3.45	0.96	1.65	1.33	1.25	0.70	0.64	1.16	0.98
7QB97Z	1.35	0.23	0.30	0.97	0.67	0.14	3.24	0.62	0.26	1.18	0.55	0.24	0.57	0.60	0.47
8UDU46	1.23	-0.20	0.65	0.82	0.13	0.27	3.30	0.72	0.00	0.99	-0.31	1.29	0.49	0.03	1.13
ALACYW	1.76	1.74	0.17	0.83	0.17	0.28	2.93	0.11	0.24	1.21	0.69	0.73	0.46	-0.20	0.84
B28ZB4	1.30	0.06	0.14	0.78	-0.03	0.10	2.73	-0.22	0.08	1.07	0.04	0.10	0.50	0.09	0.23
B6WAQM	1.35	0.25	0.18	0.85	0.24	0.30	3.45	0.97	0.33	1.18	0.53	0.29	0.59	0.78	0.33
BKAJQQ	1.54	0.92	0.69	1.00	0.79	0.77	3.53	1.10	0.29	1.31	1.16	0.48	0.68	1.48	0.32
CNPL2T	1.38	0.36	0.37	1.30	1.87	0.37	2.67	-0.32	0.19	1.11	0.25	0.57	0.49	0.02	0.36
CUUCHD	2.34	3.88 X	1.16	2.19	5.06 X	2.76	4.54	2.76	1.01	1.38	1.48	0.55	0.59	0.82	0.17
D8CLGN	1.07	-0.80	2.09	0.62	-0.58	0.90	2.58	-0.46	3.48	0.99	-0.33	2.43	0.38	-0.89	0.67
E6PNYW	1.17	-0.44	0.65	0.63	-0.55	0.78	2.73	-0.21	1.61	0.90	-0.74	1.39	0.43	-0.44	1.07
FE4GUC	1.25	-0.14	1.58	0.84	0.20	1.18	2.67	-0.31	0.81	1.03	-0.16	0.90	0.55	0.47	0.19
G42FUD	1.30	0.05	0.38	0.79	0.02	0.34	2.67	-0.32	0.70	1.09	0.13	1.00	0.67	1.44	0.41
GWK6GC	1.34	0.21	0.09	0.79	0.00	0.05	3.18	0.52	0.11	1.11	0.22	0.07	0.50	0.07	0.10
JA8FCU	1.00	-1.06		0.53	-0.91	0.78	2.33	-0.86	0.98	0.80	-1.21	0.00	0.40	-0.70	0.00
KDBGFN	1.44	0.56	0.38	0.70	-0.31	0.14	3.20	0.56	0.34	1.15	0.41	0.43	0.49	0.03	0.07
KQJ33M	1.25	-0.14	3.32	1.01	0.79	2.66	3.30	0.73	1.87	0.93	-0.62	1.81	0.47	-0.16	4.37
KQZF9B	1.32	0.14	1.05	0.56	-0.82	0.92	3.41	0.90	0.72	0.94	-0.55	0.94	0.35	-1.09	0.82
LAWQZR	1.23	-0.22	0.82	0.76	-0.09	0.59	3.01	0.25	1.22	1.05	-0.05	0.73	0.51	0.13	0.47



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
MQFG4C	1.65	1.33	0.54	1.05	0.97	0.63	2.89	0.05	0.43	1.12	0.28	0.00	0.46	-0.23	0.32	
NRNQWA	1.08	-0.76	0.00	0.48	-1.10	0.00	2.64	-0.37	0.04	1.08	0.07	0.08	0.36	-1.01	0.00	
PF9UCB	1.12	-0.63	2.93	0.72	-0.23	2.40	2.31	-0.91	1.85	0.88	-0.84	3.18	0.44	-0.37	1.63	
PNHMJD	1.12	-0.62	0.11	0.64	-0.52	0.00	2.59	-0.45	0.10	0.92	-0.67	0.08	0.39	-0.80	0.57	
QEAHWE	1.22	-0.25	0.42	0.61	-0.65	0.51	3.25	0.63	0.44	1.09	0.12	1.49	0.46	-0.22	0.53	
QRZFXD	1.33	0.17	0.65	0.87	0.29	3.41	2.97	0.17	0.37	1.07	0.03	0.80	0.50	0.08		
RJ3W93	1.82	1.98	0.11	1.78	3.57	0.30	4.84	3.25	0.92	1.63	2.65	0.53	0.88	3.03	0.74	
UGLJGB	1.26	-0.10	1.08	0.51	-0.98	0.28	2.49	-0.61	0.22	0.52	-2.52	0.08	0.44	-0.36	1.55	
V68HH4	1.34	0.18	0.28	1.53	2.70	2.07	2.72	-0.24	1.51	0.92	-0.64	0.08	0.34	-1.14	0.11	
VGZ6QD	1.24	-0.18	0.28	0.57	-0.78	0.41	2.83	-0.05	0.10	0.99	-0.31	0.35	0.41	-0.62	0.37	
VLN4FG	1.00	-1.06		0.40	-1.39	0.00	1.97	-1.47	0.37	0.77	-1.36	0.80	0.30	-1.48	0.00	
WETFPF	2.11	3.05	0.17	0.91	0.44	0.16	2.62	-0.39	0.16	1.03	-0.13	0.21	0.62	1.04	0.11	
XPM6X2	1.62	1.23	0.59	0.94	0.56	0.14	3.40	0.89	0.65	1.28	1.02	0.00	0.57	0.65	0.28	
ZFE4Z8	1.23	-0.20	0.65	0.63	-0.55	0.78	2.63	-0.37	0.37	0.83	-1.05	0.80	0.37	-0.96	1.07	
ZLC4PY	1.10	-0.69		0.70	-0.31		2.96	0.16		0.89	-0.79		0.42	-0.54		

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	1.29			0.79			2.86			1.06			0.49			
Median Abs Dev	0.10			0.15			0.33			0.12			0.08			
Avg Within Lab SD	0.09			0.07			0.16			0.07			0.05			
Labs Included	39			39			40			40			40			
Labs Reporting	41			41			41			41			41			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	15.0	1.0		23.3	0.2	0.5	61.3	0.7	1.1	23.3	0.0	2.2	63.0	0.6	0.7	
4NXA79	14.2	0.8	1.3	22.1	0.0	0.4	53.0	0.1	0.3	41.2	1.0	1.1	54.3	0.0	0.2	
6GPH9N	17.7	1.6	2.5	29.6	1.2	1.8	68.6	1.3	0.3	52.9	1.7	2.6	64.5	0.7	0.8	
6VB748	8.5	-0.6	0.2	13.8	-1.3	0.1	44.0	-0.6	0.7	14.5	-0.6	0.3	42.7	-0.8	0.9	
6Z92A9	6.6	-1.1	0.3	15.4	-1.0	0.4	40.0	-1.0	0.8	7.7	-1.0	0.1	35.9	-1.3	0.3	
7KQWHY	15.5	1.1	2.0	24.0	0.3	0.6	62.1	0.8	1.8	43.6	1.2	1.9	67.3	0.9	0.9	
7QB97Z	13.4	0.6	0.6	26.1	0.7	0.2	61.5	0.7	0.6	34.8	0.6	0.5	64.3	0.7	0.4	
8UDU46	9.9	-0.3	0.2	26.0	0.6	0.8	51.0	-0.1	0.4	15.7	-0.5	0.3	55.7	0.1	0.2	
ALACYW	11.6	0.1	0.1	26.7	0.7	0.6	50.7	-0.1	0.2	14.4	-0.6	0.1	60.8	0.5	1.7	
B28ZB4	9.1	-0.5	0.1	23.9	0.3	0.1	43.8	-0.7	0.1	15.3	-0.5	0.1	52.9	-0.1	0.0	
B6WAQM	15.9	1.2	0.9	27.0	0.8	0.4	65.3	1.0	0.5	44.7	1.2	0.8	66.3	0.9	0.2	
BKAJQQ	12.6	0.4	0.5	20.9	-0.2	0.1	52.2	0.0	0.2	28.0	0.2	0.5	53.0	-0.1	0.1	
CNPL2T	5.0	-1.5	0.2	7.1	-2.3	0.1	17.8	-2.7	0.0	7.3	-1.0	0.0	19.3	-2.5	0.1	
CUUCHD	15.2	1.0	0.6	23.6	0.3	1.8	52.4	0.0	0.3	6.1	-1.1	0.1	57.7	0.2	0.8	
D8CLGN	9.4	-0.4	1.8	21.8	0.0	2.7	57.5	0.4	2.0	24.2	0.0	1.5	57.4	0.2	0.3	
E6PNYW	8.1	-0.7	0.5	22.9	0.2	0.5	54.7	0.2	1.1	7.9	-0.9	0.3	56.4	0.1	0.2	
FE4GUC	8.1	-0.7	0.2	23.0	0.2	1.0	44.5	-0.6	1.1	18.4	-0.3	0.6	57.4	0.2	1.1	
G42FUD	10.9	0.0	0.8	18.5	-0.5	0.2	44.5	-0.6	0.5	23.9	0.0	0.8	42.9	-0.8	0.4	
JA8FCU	6.9	-1.0	0.1	19.6	-0.4	0.7	37.7	-1.1	0.2	7.7	-1.0	0.2	40.6	-1.0	0.5	
KDBGFN	14.6	0.9	0.2	17.9	-0.6	0.1	54.6	0.2	0.4	44.9	1.2	0.9	51.0	-0.2	0.4	
KQJ33M	13.9	0.7	2.1	22.7	0.1	1.8	61.9	0.7	1.5	43.2	1.1	1.9	63.6	0.7	2.2	
KQZF9B	13.8	0.7	0.3	20.0	-0.3	0.8	45.4	-0.5	1.6	27.5	0.2	0.6	47.6	-0.5	0.9	
LAWQZR	9.0	-0.5	1.2	25.4	0.5	0.6	54.7	0.2	0.6	11.6	-0.7	0.9	58.9	0.3	0.8	
NRNQWA	11.0	0.0	0.0	15.4	-1.0	0.0	45.0	-0.6	0.0	25.5	0.1	0.9	45.7	-0.6	0.1	
PF9UCB	4.0	-1.7	2.4	9.0	-2.0	3.1	18.9	-2.6	3.2	6.8	-1.0	1.8	20.3	-2.4	3.5	
PNHMJD	11.3	0.1	0.2	18.8	-0.5	0.0	50.8	-0.1	0.1	32.6	0.5	0.8	57.7	0.2	0.2	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
QEAHWE	10.2	-0.2	0.3	15.6	-1.0	0.4	54.0	0.1	0.5	25.7	0.1	0.7	47.1	-0.5	1.1	
QRZFXD	11.0	0.0	0.4	22.4	0.1	0.9	53.0	0.1	0.7	23.9	0.0	0.1	49.8	-0.3	1.2	
RJ3W93	11.1	0.0	0.1	30.4	1.3	0.1	74.5	1.7	1.3	26.5	0.2	0.6	73.5	1.4	1.1	
V68HH4	8.0	-0.7	0.1	18.2	-0.6	0.1	46.0	-0.5	0.1	7.2	-1.0	0.1	41.0	-1.0	0.8	
VLN4FG	11.3	0.1	0.9	12.3	-1.5	0.5	41.0	-0.9		27.3	0.2	0.3	40.0	-1.0		
WETFPF	13.7	0.6	0.2	14.0	-1.2	0.4	45.6	-0.5	0.3	12.3	-0.7	0.1	44.5	-0.7	0.1	
XPM6X2	18.7	1.8	0.7	25.2	0.5	0.4	68.5	1.3	0.7	56.7	1.9	0.4	69.3	1.1	0.7	
ZLC4PY	9.1	-0.5		20.4	-0.2		56.1	0.3		15.2	-0.5		54.4	0.0		

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	11.1			21.9			52.3			23.9			54.3			
Median Abs Dev	2.7			3.5			7.5			10.2			8.7			
Avg Within Lab SD	0.7			1.2			2.7			1.7			2.4			
Labs Included	34			34			34			34			34			
Labs Reporting	34			34			34			34			34			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	7.7	1.3	1.1	287.7	0.3	0.3	150.7	0.2	0.1	43.7	0.2	0.6	92.0	0.5	1.4
4NXA79	6.8	0.6	0.2	356.0	1.0	0.3	179.8	0.9	1.1	48.1	0.5	0.1	95.3	0.7	0.0
6GPH9N	7.4	1.0	1.0	361.3	1.1	1.3	169.6	0.7	1.0	50.0	0.7	0.8	96.6	0.7	1.2
6VB748	6.3	0.2	0.4	215.0	-0.4	0.3	144.3	0.1	0.4	42.0	0.0	0.7	76.7	-0.1	2.3
6Z92A9	3.6	-1.8	0.2	130.9	-1.3	0.2	88.8	-1.2	0.8	27.9	-1.1	0.4	47.5	-1.3	0.5
7KQWHY	7.8	1.4	2.2	392.1	1.4	1.8	197.1	1.3	1.6	57.1	1.2	1.5	118.9	1.6	1.5
7QB97Z	8.9	2.2	1.2	432.0	1.8	0.7	185.3	1.1	0.5	52.0	0.8	0.4	107.7	1.2	0.6
8UDU46	5.9	-0.1	0.2	223.3	-0.4	1.0	136.7	-0.1	0.8	36.7	-0.4	1.0	83.0	0.1	0.7
ALACYW	6.0	0.0		195.0	-0.7	0.4	90.7	-1.1	0.5	30.3	-0.9	0.5	64.7	-0.6	1.1
B28ZB4	5.7	-0.2	0.0	199.9	-0.6	0.1	97.6	-1.0	0.1	30.8	-0.8	0.1	70.6	-0.4	0.0
B6WAQM	6.1	0.1	0.6	282.1	0.3	0.3	152.3	0.3	0.7	43.3	0.1	0.3	103.1	1.0	1.4
BKAJQQ	5.9	-0.1	0.8	278.0	0.2	0.2	165.0	0.6	0.4	46.5	0.4	0.4	87.1	0.3	0.9
CNPL2T	4.7	-1.0	1.5	252.1	-0.1	1.7	129.6	-0.2	0.8	34.5	-0.5	0.4	79.5	0.0	0.4
CUUCHD	12.9	5.2X	1.8	381.1	1.3	2.5	217.7	1.8	0.9	64.3	1.8	0.9	153.1	3.1	1.3
D8CLGN	4.0	-1.5	0.6	216.0	-0.4	1.7	111.1	-0.7	2.2	30.8	-0.8	2.1	65.4	-0.6	1.0
E6PNYW	6.0	0.0		206.7	-0.5	0.8	122.7	-0.4	2.3	32.7	-0.7	1.3	71.3	-0.3	2.0
FE4GUC	3.0	-2.2	0.1	385.7	1.3	1.5	208.3	1.6	1.4	55.9	1.1	1.8	133.3	2.3	0.6
G42FUD	6.9	0.7	3.5	224.7	-0.3	0.2	119.7	-0.5	0.7	45.7	0.3	1.7	71.4	-0.3	0.6
JA8FCU	5.1	-0.7	0.6	161.3	-1.0	0.6	113.3	-0.6	0.4	26.6	-1.2	0.5	74.6	-0.2	0.6
KDBGFN	6.7	0.5	0.3	252.0	-0.1	0.4	163.3	0.5	0.2	45.8	0.3	0.4	85.0	0.2	0.1
KQJ33M	5.9	-0.1	1.4	396.7	1.5	2.2	211.2	1.7	1.3	56.8	1.2	2.2	116.9	1.6	2.0
KQZF9B	6.2	0.2	0.7	206.7	-0.5	1.0	140.0	0.0	0.9	38.6	-0.2	1.3	73.7	-0.2	1.0
LAWQZR	5.3	-0.6	1.1	227.3	-0.3	1.3	124.4	-0.4	1.1	33.3	-0.6	1.0	74.0	-0.2	1.4
NRNQWA	6.3	0.2	0.0	182.6	-0.8	0.0	121.7	-0.4	0.0	40.9	0.0	0.1	73.3	-0.3	0.0
PF9UCB	6.3	0.2	0.9	263.5	0.1	1.6	129.8	-0.2	2.7	40.1	-0.1	2.4	86.4	0.3	1.4
PNHMJD	5.2	-0.6	0.3	305.0	0.5	0.2	156.3	0.4	0.3	44.7	0.3	0.2	93.2	0.6	0.2



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
QEAHWE	6.2	0.1	0.5	265.4	0.1	0.7	180.2	0.9	0.7	43.8	0.2	0.1	84.6	0.2	0.6	
QRZFXD	5.8	-0.2	0.5	220.7	-0.4	0.7	125.4	-0.3	0.1	35.7	-0.5	0.0	74.4	-0.2	0.7	
RJ3W93	2.8	-2.4	0.2	448.0	2.0	0.2	270.7	3.0X	2.1	70.0	2.2	1.4	173.5	3.9X	1.4	
UGLJGB	6.0	0.0	0.0	266.9	0.1	0.5	136.2	-0.1	0.2	28.3	-1.0	0.4	70.1	-0.4	0.3	
V68HH4	5.4	-0.4	0.4	264.3	0.1	0.1	219.0	1.8	0.2	46.0	0.4	0.4	106.3	1.1	0.3	
VLN4FG	6.0	0.0		194.0	-0.7	0.1	126.0	-0.3	0.1	39.3	-0.2	0.2	69.0	-0.4	0.2	
WETFPF	5.3	-0.5	0.2	203.7	-0.6	0.2	112.1	-0.6	0.2	26.1	-1.2	0.0	65.6	-0.6	0.1	
XPM6X2	6.6	0.5	0.4	339.9	0.9	0.2	158.6	0.4	0.7	47.9	0.5	0.2	101.2	0.9	0.5	
ZFE4Z8	4.5	-1.2	0.7	156.4	-1.1	0.7	107.3	-0.8	0.3	25.0	-1.3	0.4	58.8	-0.9	0.2	
ZLC4PY	4.8	-0.9		280.0	0.2		149.0	0.2		36.0	-0.4		79.0	0.0		

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups						Data units: mg/kg	
	SRS1801		SRS1802		SRS1803	SRS1804	SRS1805
Grand Median	5.99		257.8		140.0	41.4	79.5
Median Abs Dev	0.66		51.1		23.3	6.8	10.5
Avg Within Lab SD	0.52		15.2		7.6	2.5	5.1
Labs Included	35		36		35	36	35
Labs Reporting	36		36		36	36	36



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups

Data units: mg/kg

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	1.60	1.43	0.00	1.33	0.82	1.46	1.23	0.89	0.09	0.61	0.78	1.22	1.04	1.99	0.10
4NXA79	1.44	0.84	0.92	1.57	1.65	0.28	1.33	1.26	0.19	0.61	0.81	0.30	0.84	0.90	0.27
6GPH9N	1.48	0.98	0.47	1.61	1.79	0.43	1.15	0.58	0.96	0.54	0.26	0.97	0.78	0.57	0.27
6VB748	1.19	-0.10	0.38	0.89	-0.66	0.15	0.92	-0.33	0.45	0.50	-0.05	0.28	0.53	-0.80	0.56
6Z92A9	0.95	-0.99	0.38	0.64	-1.48	0.47	0.75	-0.99	1.26	0.33	-1.38	1.46	0.40	-1.47	1.12
7KQWHY	1.46	0.89	1.66	1.46	1.28	1.36	1.17	0.66	1.76	0.57	0.46	0.54	0.83	0.87	1.51
7QB97Z	1.33	0.44	0.96	1.53	1.52	0.77	1.27	1.03	0.89	0.60	0.73	0.00	0.80	0.69	0.00
8UDU46	1.20	-0.05	0.00	1.10	0.06	0.00	1.10	0.38	0.00	0.51	0.00	0.32	0.79	0.62	0.56
ALACYW	1.66	1.65	0.33	1.21	0.42	0.28	0.85	-0.60	0.39	0.54	0.23	0.32	0.76	0.46	1.36
B28ZB4	1.14	-0.27	0.37	1.03	-0.18	0.02	0.83	-0.66	0.06	0.46	-0.35	0.00	0.63	-0.23	0.24
B6WAQM	1.24	0.10	0.31	1.37	0.99	0.30	1.12	0.47	0.86	0.48	-0.24	0.10	0.75	0.40	0.57
BKAJQQ	1.35	0.51	0.33	1.44	1.21	0.46	1.22	0.86	0.39	0.51	0.00	1.13	0.74	0.36	1.02
CNPL2T	1.19	-0.09	0.47	0.96	-0.40	0.09	0.78	-0.85	0.26	0.41	-0.78	0.11	0.55	-0.66	0.31
CUUCHD	4.04	10.45X	3.81	2.56	5.00X	2.82	1.92	3.54X	1.14	0.68	1.32	1.39	1.00	1.77	0.48
D8CLGN	0.81	-1.50	1.68	0.95	-0.44	2.72	0.77	-0.89	3.11	0.37	-1.07	3.41	0.50	-0.97	2.36
E6PNYW	1.03	-0.67	0.96	1.07	-0.05	0.77	0.97	-0.14	1.79	0.40	-0.83	0.00	0.67	-0.04	2.57
FE4GUC	1.29	0.30	1.83	1.61	1.78	1.63	1.33	1.28	0.59	0.63	0.96	1.12	1.02	1.87	1.23
G42FUD	1.13	-0.30	0.16	1.05	-0.09	0.21	1.00	0.00	1.19	0.55	0.36	1.44	0.58	-0.51	1.11
JA8FCU	0.90	-1.16	0.00	0.80	-0.95	1.34	0.77	-0.91	0.89	0.30	-1.61	0.00	0.50	-0.95	
KDBGFN	1.36	0.53	0.73	1.07	-0.03	0.22	1.16	0.62	0.33	0.57	0.53	1.01	0.68	0.04	0.23
KQJ33M	1.27	0.20	1.54	1.36	0.95	1.55	1.17	0.67	1.29	0.51	0.05	0.94	0.72	0.28	0.77
KQZF9B	1.12	-0.35	0.94	0.89	-0.65	1.18	0.98	-0.09	0.75	0.42	-0.66	0.59	0.57	-0.56	0.40
LAWQZR	1.12	-0.34	1.69	1.09	0.03	1.14	1.02	0.08	0.95	0.47	-0.26	0.32	0.69	0.09	0.39
NRNQWA	1.07	-0.53	0.00	0.80	-0.95	0.00	0.92	-0.30	0.09	0.50	-0.08	0.16	0.60	-0.40	0.00
PF9UCB	0.82	-1.45	2.22	0.85	-0.77	2.74	0.67	-1.27	1.49	0.34	-1.33	1.58	0.46	-1.18	1.49
PNHMJD	1.21	0.00	0.19	1.14	0.20	0.13	0.94	-0.24	0.15	0.48	-0.21	0.28	0.70	0.15	0.39



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
QEAHWE	1.22	0.03	0.60	1.04	-0.14	0.80	1.18	0.68	0.55	0.52	0.07	0.53	0.62	-0.28	1.15	
QRZFXD	1.07	-0.54	0.96	1.13	0.17	0.77	0.97	-0.14	0.89	0.50	-0.05		0.63	-0.22	1.29	
RJ3W93	1.46	0.92	0.34	2.28	4.04X	0.19	1.61	2.37	1.32	0.75	1.88	0.09	0.94	1.43	0.88	
UGLJGB	1.20	-0.06	0.25	0.98	-0.34	0.58	0.78	-0.86	0.31	0.34	-1.32	0.43	0.52	-0.82	0.13	
V68HH4	1.80	2.17	1.66	1.21	0.44	0.43	1.25	0.97	0.78	0.52	0.13	1.55	0.67	-0.04	0.72	
VLN4FG	1.43	0.81	0.96	0.90	-0.61	0.00	1.23	0.90	0.89	0.73	1.77	1.62	0.73	0.33	1.29	
WETFPF	1.47	0.94	0.10	0.94	-0.47	0.20	0.89	-0.45	0.32	0.42	-0.70	0.32	0.57	-0.54	0.13	
XPM6X2	1.56	1.28	1.30	1.33	0.83	0.08	1.18	0.68	0.32	0.59	0.68	0.16	0.83	0.84	0.46	
ZFE4Z8	1.00	-0.79	1.66	0.93	-0.50	0.77	0.87	-0.52	0.89	0.40	-0.83	0.00	0.57	-0.58	1.29	
ZLC4PY	1.10	-0.42		1.10	0.06		1.00	-0.01		0.70	1.51		0.60	-0.40		

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	1.21			1.08			1.00			0.51			0.67			
Median Abs Dev	0.14			0.17			0.17			0.09			0.10			
Avg Within Lab SD	0.06			0.07			0.06			0.04			0.04			
Labs Included	35			34			35			36			36			
Labs Reporting	36			36			36			36			36			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
ZLC4PY	0.05			2.52			6.10			2.10			1.14					
Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	0.050			2.52			6.10			2.10			1.14					
Median Abs Dev	0.000			0.00			0.00			0.00			0.00					
Avg Within Lab SD	1			1			1			1			1					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cl - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups															Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6VB748	88.3	-1.2	0.5	9.2	-0.9	0.3	19.7	-0.2	0.2	2.0	-0.1		7.2	-0.3	0.3		
8UDU46	123.3	-0.2	0.9	14.7	0.6	1.1	26.3	0.9	0.9	3.3	0.8	0.8	13.0	2.7	1.8		
ALACYW	133.9	0.1	0.1	12.7	0.1	0.6	34.2	2.2	0.9	1.7	-0.3	0.2	8.1	0.2	0.3		
CNPL2T	65.7	-1.8	1.0	15.0	0.7	1.2	14.1	-1.0	0.4	3.7	1.1	1.3	6.9	-0.4	0.3		
FE4GUC	131.7	0.0	1.1	12.4	0.0	1.1	20.6	0.0	0.6				7.7	0.0	0.6		
PCMCAK	133.0	0.0	0.2	12.7	0.1	0.5	20.0	-0.1	1.0	4.6	1.7	0.9	9.9	1.1	1.6		
PF9UCB	99.1	-0.9	2.2	6.3	-1.6	1.7	13.5	-1.1	1.4	0.9	-0.9	0.8	5.3	-1.3	1.3		
QEAHWE	161.3	0.8	0.7	10.2	-0.6	1.0	24.1	0.5	1.6	2.2	0.1	1.1	7.6	-0.1	0.8		
QRZFXD	166.0	1.0	0.7	6.5	-1.6	0.8	20.9	0.0	1.2	1.5	-0.4	1.4	7.7	0.0	0.5		

Cl - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups															Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	131.7			12.4			20.6			2.11			7.73				
Median Abs Dev	29.7			2.3			3.4			0.90			0.57				
Avg Within Lab SD	6.1			1.0			1.3			0.28			0.97				
Labs Included	9			9			9			8			9				
Labs Reporting	9			9			9			8			9				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups																Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805					
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
4NXA79	1.24	1.19	0.34	0.64	-0.20	0.99	0.37	0.54	1.11	0.27	-0.04	1.64	0.26	0.00	0.67			
7KQWHY	0.93	0.13	2.96	0.58	-0.42	1.19	0.26	-0.41	0.66	0.22	-0.70	0.91	0.23	-0.39	1.46			
7QB97Z	0.74	-0.51	0.33	0.68	-0.02	0.31	0.29	-0.14	0.25	0.24	-0.49	0.20	0.23	-0.32	0.30			
CNPL2T	1.26	1.27	1.72	0.17	-2.01	0.08	0.15	-1.37	0.07	0.17	-1.38	0.05	0.19	-0.81	0.22			
D2M42Q	0.98	0.30	0.87	0.71	0.07	0.48	0.31	0.05	0.32	0.28	0.04	0.26	0.27	0.10	0.35			
EGFWND	1.04	0.52	0.65	1.05	1.41	0.00	0.47	1.47	0.29	0.37	1.34	0.53	0.38	1.22	0.30			
FE4GUC	0.85	-0.13	0.57	0.86	0.67	0.81	0.42	1.03	0.80	0.36	1.21	1.05	0.37	1.18	0.30			
JAXEVD	0.84	-0.18	0.90	0.71	0.07	0.31	0.32	0.12	0.00	0.28	0.14	0.20	0.26	0.00	0.30			
KDBGFN	0.71	-0.59	0.13	0.47	-0.87	0.33	0.25	-0.51	0.24	0.23	-0.58	0.21	0.22	-0.46	0.18			
KQJ33M	0.77	-0.41	0.54	0.42	-1.03	1.59	0.29	-0.16	1.39	0.23	-0.52	0.72	0.21	-0.52	1.25			
KQZF9B	0.70	-0.65	0.67	0.65	-0.14	1.06	0.30	-0.07	1.44	0.28	0.04	1.73	0.26	0.01	2.44			
LE6LAM	2.12	4.22X	0.82	2.28	6.20X	0.23	2.01	14.94X	0.81	2.05	23.81X	0.74	2.11	19.87X	1.54			
MQFG4C	0.63	-0.87	0.47	0.46	-0.89	0.35	0.22	-0.73	1.37	0.37	1.25	1.59	0.45	2.04	0.79			
NK6KY3	0.93	0.13	1.27	0.71	0.10	1.89	0.34	0.27	1.46	0.30	0.41	1.74	0.26	-0.03	1.80			
PD2ZAC	1.29	1.37	0.41	0.83	0.53	0.32	0.42	0.97	0.04	0.35	1.01	0.23	0.36	1.01	0.11			
PNHMJD	0.53	-1.21	1.06	0.37	-1.24	1.42	0.19	-1.02	1.39	0.16	-1.51	0.60	0.17	-1.04	1.08			
PVFC33	0.98	0.30	1.00	0.81	0.48	1.24	0.33	0.21	1.55	0.29	0.27	0.40	0.32	0.61	0.52			
Q8R673	0.78	-0.36	1.25	0.63	-0.21	2.35	0.25	-0.49	2.49	0.23	-0.53	2.63	0.27	0.04	1.50			
QEAHWE	0.73	-0.55	0.87	0.43	-1.00	0.57	0.25	-0.46	0.90	0.22	-0.75	0.87	0.15	-1.25	0.51			
RJ3W93	1.19	1.02	0.59	1.02	1.30	0.76	0.43	1.11	0.56	0.35	1.00	0.49	0.25	-0.09	2.08			
TUELKD	1.14	0.85	0.34	0.69	0.02	0.65	0.33	0.18	0.14	0.27	-0.04	0.34	0.28	0.22	0.30			
UVR43W	1.27	1.32	0.42	0.76	0.26	0.37	0.37	0.52	0.75	0.29	0.18	0.44	0.31	0.48	0.16			
VLN4FG	1.13	0.84	0.94	0.83	0.57	1.17	0.30	-0.05	0.00	0.20	-0.98	0.00	0.20	-0.68	0.00			
WETFPF	0.74	-0.51	0.00	0.99	1.16	0.31	0.63	2.87	0.38	0.28	0.14	0.20	0.48	2.36	0.30			
ZLC4PY	0.60	-0.98		0.30	-1.52		0.14	-1.46		0.15	-1.65		0.14	-1.32				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups						Data units: mg/kg
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	0.89	0.69	0.31	0.27	0.26	
Median Abs Dev	0.17	0.14	0.06	0.04	0.05	
Avg Within Lab SD	0.06	0.05	0.04	0.03	0.02	
Labs Included	24	24	24	24	24	
Labs Reporting	25	25	25	25	25	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	0.78	0.23	0.46	0.51	0.26	0.08	0.13	-0.48	0.92	0.01	-1.54	0.00	0.07	-0.86	0.01	
6VB748	0.80	0.34	0.00	0.60	0.63	0.00	0.40	1.24	0.00	0.15	1.18	0.69	0.30	1.25	0.00	
6Z92A9	0.67	-0.28	1.08	0.17	-1.12	1.26	0.08	-0.81	1.25	0.05	-0.74	1.19	0.07	-0.86	0.31	
8UDU46	0.90	0.82	0.72	0.55	0.41	0.41	0.29	0.51	0.50	0.12	0.65	0.00	0.21	0.44	0.20	
ALACYW	1.32	2.80	0.42	0.19	-1.05	0.46	0.05	-1.00	0.66	0.08	-0.08	0.69	0.10	-0.56	0.81	
B28ZB4	0.80	0.37	0.10	0.42	-0.09	0.15	0.17	-0.24	0.29	0.09	0.08	0.23	0.15	-0.11	0.14	
B6WAQM	0.56	-0.81	0.51													
E6PNYW	0.60	-0.63	0.75	0.47	0.09	1.32	0.21	0.03	0.25	0.04	-0.94	1.19	0.21	0.47	3.29	
G42FUD	1.00	1.28	0.70	0.36	-0.34	0.34	0.24	0.23	1.11	0.15	1.31	1.76	0.17	0.11	0.45	
JA8FCU	0.67	-0.29	2.08	0.87	1.73	1.54	0.57	2.31	2.50	0.10	0.25	0.00	0.37	1.86	1.18	
LAWQZR	0.73	0.02	1.16	0.61	0.69	1.47	0.29	0.55	1.25	0.10	0.19	1.38	0.20	0.38	0.42	
NRNQWA	0.33	-1.90	0.36													
PF9UCB	0.65	-0.38	0.36	0.21	-0.96	0.63	0.06	-0.93	0.27	0.04	-0.87	0.37	0.07	-0.84	0.15	
QRZFXD	0.81	0.39	2.19	0.51	0.28	2.04	0.25	0.27	1.14	0.10	0.19	1.82	0.18	0.16	0.71	
V68HH4	0.68	-0.23	0.00	0.25	-0.80	0.53	0.20	-0.03	0.25	0.07	-0.34	1.19	0.10	-0.56	0.00	
ZFE4Z8	0.72	-0.02	1.37	0.20	-1.00	0.86	0.08	-0.82	0.55	0.03	-1.07	0.54	0.05	-0.98	0.21	

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	0.73			0.45			0.21			0.087			0.16			
Median Abs Dev	0.08			0.16			0.08			0.035			0.06			
Avg Within Lab SD	0.03			0.04			0.02			0.008			0.05			
Labs Included	16			14			14			14			14			
Labs Reporting	16			14			14			14			14			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	0.16	0.20	1.67	0.32	2.38	3.16	0.13	0.00	0.59	0.15	1.62	2.56	0.19	1.47	1.38	
6Z92A9	0.15	-0.52	0.60	0.25	-0.12	0.34	0.13	-0.19	0.62	0.11	-0.36	0.32	0.16	-0.08	0.46	
7KQWHY	0.12	-1.86	0.43	0.18	-2.34	0.32	0.12	-0.93	1.47	0.11	-0.33	1.74	0.13	-1.26	1.80	
FE4GUC	0.16	0.00	0.28	0.26	0.40	0.43	0.14	0.45	0.49	0.11	0.00	0.03	0.16	0.15	0.09	
KL97YD	0.18	1.28	1.39	0.26	0.47	0.21	0.16	2.44	1.45	0.14	1.19	0.22	0.19	1.29	0.97	
LE6LAM	0.16	0.30	0.38	0.26	0.22	0.08	0.13	-0.07	0.33	0.11	-0.17	0.21	0.15	-0.19	0.17	
PNHMJD	0.17	0.49	0.60	0.25	-0.12	0.17	0.15	1.47	1.08	0.14	1.54	0.63	0.19	1.63	0.92	
QRZFXD	0.15	-0.46	1.58	0.25	-0.05	0.58	0.13	0.14	1.53	0.12	0.31	0.68	0.16	0.00	1.41	
RXHW48	0.17	0.59	1.55	0.26	0.28	0.46	0.14	0.51	1.44	0.12	0.28	0.56	0.17	0.46	1.28	
UE2HNA	0.13	-1.40	0.47	0.22	-1.04	0.13	0.11	-1.09	0.29	0.09	-1.48	0.16	0.14	-0.87	0.45	
XPM6X2	0.15	-0.30	0.10	0.25	0.00	0.03	0.13	-0.12	0.06	0.11	-0.12	0.03	0.16	-0.03	0.05	

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups						Data units: Percent	
	SRS1801		SRS1802		SRS1803	SRS1804	SRS1805
Grand Median	0.16		0.25		0.13	0.11	0.16
Median Abs Dev	0.01		0.01		0.01	0.01	0.01
Avg Within Lab SD	0.01		0.03		0.01	0.02	0.01
Labs Included	11		11		11	11	11
Labs Reporting	11		11		11	11	11



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	0.14	-0.27		0.25	0.00		0.13	0.00		0.11	0.00		0.16	0.18		
3WECRP	0.18	0.81	1.20	0.29	1.07	1.46	0.16	1.02	0.00	0.15	1.40	0.00	0.20	1.56	0.00	
6Z92A9	0.15	0.00	1.20	0.25	0.00	1.27	0.12	-0.23	1.08	0.11	-0.12	0.78	0.15	-0.27	1.00	
ALACYW	0.20	1.24	1.86	0.27	0.65	1.29	0.19	1.93	2.32	0.14	1.15	1.84	0.18	0.72	0.82	
CUUCHD	0.23	2.10	2.18	0.28	0.78	0.66	0.16	0.98	0.44	0.13	0.62	0.88	0.16	0.27	0.90	
E6PNYW	0.16	0.26	0.07	0.26	0.22	0.51	0.14	0.33	0.11	0.12	0.36	0.08	0.17	0.46	0.60	
FE4GUC	0.15	-0.13	0.48	0.24	-0.26	0.70	0.13	-0.15	0.47	0.10	-0.20	0.28	0.15	-0.08	0.89	
JA8FCU	0.12	-0.72	0.35	0.21	-1.11	0.13	0.11	-0.84	0.88	0.09	-0.75	0.34	0.13	-0.77	0.10	
JWACDK	0.15	0.00	0.00	0.24	-0.39	0.73	0.13	0.00	1.87	0.11	0.00	1.35	0.15	-0.05	1.00	
KTF3DR	0.14	-0.40	0.85	0.24	-0.44	0.90	0.12	-0.34	0.00	0.10	-0.35	0.00	0.14	-0.50	0.00	
LAWQZR	0.15	-0.09	0.61	0.22	-0.78	2.35	0.13	-0.14	1.41	0.13	0.61	1.72	0.15	-0.07	2.65	
LE6LAM	0.22	1.93	0.12	0.33	2.31	0.19	0.20	2.45	0.82	0.18	2.49	0.36	0.23	2.74	0.26	
M2W4DD	0.25	2.77	1.38	0.32	2.14	0.73	0.21	2.61	1.08	0.18	2.57	0.78	0.23	2.70	1.00	
PCMCAK	0.14	-0.19	0.32	0.25	-0.14	0.15	0.12	-0.18	0.29	0.11	-0.01	0.16	0.15	-0.14	0.53	
QEAHWE	0.15	-0.09	0.13	0.24	-0.25	0.12	0.12	-0.21	0.28	0.11	-0.05	0.08	0.15	-0.21	0.23	
RJ3W93	0.18	0.68	0.23	0.29	1.04	1.68	0.15	0.58	0.62	0.13	0.79	2.37	0.19	1.19	0.82	
YCHF4T	0.14	-0.18	1.83	0.25	-0.10	0.73	0.13	-0.11	1.08	0.10	-0.35	1.35	0.15	-0.16	1.73	
YP4GDK	0.13	-0.42	0.25	0.27	0.46	0.07	0.13	-0.15	0.11	0.10	-0.29	0.21	0.15	0.00	0.53	
ZFE4Z8	0.17	0.54	0.00	0.27	0.68	0.73	0.15	0.57	1.08	0.13	0.70	0.00	0.18	0.76	1.00	

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	0.15			0.25			0.13			0.11			0.15			
Median Abs Dev	0.02			0.02			0.01			0.01			0.01			
Avg Within Lab SD	0.01			0.01			0.01			0.01			0.01			
Labs Included	19			19			19			19			19			
Labs Reporting	19			19			19			19			19			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	3.18	0.04		2.59	0.29		1.56	-0.83		1.21	-0.10		1.77	0.03		
ALACYW	3.06	-0.11	0.17	2.39	-0.90	0.88	1.46	-1.82	0.63	1.12	-0.94	0.43	1.69	-0.79	0.28	
B6WAQM	2.44	-0.86	0.41	2.48	-0.36	0.32	1.52	-1.23	0.18	1.14	-0.75	0.56	1.69	-0.80	0.35	
CUUCHD	3.42	0.32	0.06	2.75	1.25	0.98	1.78	1.31	0.57	1.31	0.88	0.17	1.88	1.17	0.12	
D2M42Q	2.26	-1.07	0.75	2.54	0.00	1.00	1.66	0.15	1.26	1.21	-0.13	1.90	1.77	-0.02	0.23	
E6PNYW	3.15	0.00	0.62	2.43	-0.69	0.39	1.56	-0.86	0.28	1.20	-0.23	0.24	1.76	-0.11	0.51	
FE4GUC	1.85	-1.58	0.24	2.48	-0.38	0.73	1.64	0.00	0.74	1.26	0.35	0.48	1.78	0.17	0.18	
JWACDK	3.24	0.11	0.23	2.50	-0.25	0.64	1.66	0.13	0.76	1.17	-0.49	0.00	1.73	-0.40	0.18	
KTF3DR	3.15	0.00	0.56	2.55	0.05	1.50	1.65	0.07	1.30	1.20	-0.20	0.00	1.75	-0.17	0.85	
LAWQZR	3.41	0.32	0.68	2.67	0.75	2.15	1.71	0.71	1.51	1.35	1.21	0.70	1.88	1.16	0.33	
LE6LAM	3.56	0.50	0.06	2.79	1.51	0.47	1.80	1.60	0.60	1.41	1.81	0.34	2.00	2.31	0.05	
PCMLAK	3.13	-0.02	0.12	2.53	-0.06	0.27	1.55	-0.94	0.13	1.22	0.00	0.36	1.74	-0.28	0.30	
PNHMJD	1.37	-2.16	0.45	2.47	-0.46	1.22	1.60	-0.43	0.00	1.27	0.45	0.91	1.77	0.00	0.70	
QEAHWE	1.81	-1.63	0.06	2.53	-0.05	0.10	1.58	-0.66	0.02	1.23	0.07	0.03	1.76	-0.07	0.02	
RJ3W93	3.35	0.24	3.68	3.07	3.20	1.71	1.67	0.22	2.76	1.57	3.41	1.44	1.99	2.24	3.71	
YCHF4T	3.33	0.22	0.12	2.58	0.23	0.21	1.62	-0.20	0.56	1.24	0.16	0.56	1.81	0.43	0.32	
ZFE4Z8	1.25	-2.29	0.45	2.71	1.05	0.65	1.68	0.33	0.43	1.19	-0.29	2.76	1.90	1.34	0.33	

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups														Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	3.15			2.54			1.64			1.22			1.77			
Median Abs Dev	0.26			0.06			0.07			0.04			0.04			
Avg Within Lab SD	0.13			0.05			0.05			0.06			0.08			
Labs Included	17			17			17			17			17			
Labs Reporting	17			17			17			17			17			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	2.69	-0.06	0.61	4.36	-0.30	1.70	2.83	0.00	0.47	1.93	-0.56	0.84	3.13	-0.04	0.38	
7KQWHY	3.56	1.84	2.14	4.80	0.32	2.03	4.22	2.49	3.50	1.99	-0.15	1.45	4.04	1.93	3.03	
7QB97Z	2.86	0.30	0.36	4.51	-0.09	0.62	2.90	0.14	0.31	2.04	0.11	0.76	3.10	-0.10	0.05	
AA87UW	3.03	0.67	0.55	4.63	0.08	0.51	3.68	1.52	0.61	1.98	-0.26	1.36	3.06	-0.20	0.75	
ALACYW	3.00	0.62	0.87	4.34	-0.33	0.17	2.83	0.01	0.37	2.04	0.15	0.76	3.23	0.18	0.10	
B28ZB4	3.36	1.40	0.52	5.07	0.71	0.62	2.77	-0.09	0.15	2.30	1.76	0.32	3.87	1.55	0.15	
E6PNYW	2.67	-0.11	0.67	5.70	1.59	0.00	2.73	-0.17	0.47	2.00	-0.11		3.60	0.98	1.38	
FE4GUC	2.50	-0.47	0.41	4.26	-0.44	1.12	2.65	-0.32	0.94	1.81	-1.28	0.28	2.88	-0.58	0.56	
KL97YD	3.06	0.75	0.24	4.55	-0.04	0.21	3.50	1.20	0.33	2.12	0.61	0.35	3.18	0.08	0.11	
KQJ33M	2.54	-0.39	1.53	3.87	-0.99	2.13	2.61	-0.38	0.98	1.86	-0.99	1.54	3.05	-0.22	1.04	
NJDZEC	2.37	-0.77	0.59	3.94	-0.90	0.86	2.34	-0.86	0.78	1.67	-2.17	2.33	2.59	-1.20	0.99	
PCMLAK	2.73	0.02		4.80	0.32		2.89	0.11		2.07	0.32		3.22	0.16		
PNHMJD	3.60	1.93	2.33	4.60	0.04	0.84	3.03	0.37	0.47	2.17	0.91	0.80	3.57	0.90	1.09	
RJ3W93	2.94	0.49	0.75	5.11	0.76	0.35	3.02	0.34	0.44	2.08	0.35	0.39	3.41	0.56	0.54	
RXHW48	2.71	-0.02	0.77	5.07	0.70	0.86	2.84	0.03	0.04	2.05	0.19	0.65	3.17	0.04	0.85	
VLN4FG	2.17	-1.21	0.67	2.43	-3.03	0.56	2.00	-1.47		1.40	-3.81X	0.00	2.03	-2.41	0.60	
XPM6X2	2.35	-0.80	0.13	5.42	1.19	0.60	2.58	-0.44	0.57	1.92	-0.63	0.83	2.83	-0.69	0.45	
YCHF4T	2.60	-0.27	0.41	4.34	-0.33	0.36	2.59	-0.42	0.25	1.84	-1.08	0.44	2.99	-0.34	0.19	
ZLC4PY	0.76	-4.30X	0.74	1.01	-5.04X	0.62	1.45	-2.46	0.57	2.10	0.50	0.00	1.35	-3.88X	0.37	

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups														Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	2.72			4.58			2.83			2.02			3.15			
Median Abs Dev	0.25			0.27			0.21			0.09			0.21			
Avg Within Lab SD	0.09			0.21			0.12			0.07			0.19			
Labs Included	18			18			19			18			18			
Labs Reporting	19			19			19			19			19			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	2.87	0.00	1.30	5.10	0.28	0.00	3.93	-0.17	1.60	2.37	0.03	1.74	3.83	0.20	0.42	
3WECRP	2.60	-1.24	2.08	4.55	-1.19	1.60	3.82	-0.68	1.31	2.31	-0.29	1.18	3.63	-0.61	1.40	
4MZEDX	2.88	0.04	0.07	4.91	-0.24	0.07	3.88	-0.40	0.11	2.43	0.39	0.18	3.71	-0.30	0.10	
4NXA79	3.03	0.76	0.18	5.08	0.23	1.26	4.09	0.56	1.63	2.42	0.34	0.05	4.10	1.23	0.85	
64JPEQ	2.96	0.44	0.05	5.05	0.16	0.05	4.03	0.29	0.04	2.44	0.42	0.17	3.80	0.05	0.04	
6G9P8D	2.83	-0.15	0.49	4.97	-0.08	1.35	4.03	0.29	0.44	2.47	0.59	0.66	3.90	0.46	0.73	
6GPH9N	2.80	-0.31	1.09	4.92	-0.21	0.78	3.80	-0.77	0.58	2.28	-0.44	0.33	3.64	-0.56	1.68	
6VB748	2.90	0.15	0.00	5.17	0.46	0.51	4.17	0.89	0.44	2.33	-0.16	0.66	3.90	0.46	0.00	
6Z92A9	3.01	0.64	0.52	5.16	0.43	0.36	3.88	-0.39	0.12	2.61	1.39	0.17	4.07	1.14	0.04	
7A3CM2	3.00	0.60	3.38	5.06	0.18	4.17	4.16	0.87	2.28	2.42	0.32	3.14	3.97	0.75	2.58	
7KQWHY	3.38	2.37	0.05	5.57	1.52	0.40	4.68	3.20	0.62	2.84	2.69	0.24	4.22	1.71	0.26	
8UDU46	2.73	-0.61	0.98	4.93	-0.16	1.02	4.03	0.29	0.44	2.33	-0.16	0.66	3.80	0.07	0.73	
AW6FDX	2.80	-0.31	0.85	5.03	0.10	1.02	3.80	-0.77	0.77	2.27	-0.54	0.66	3.67	-0.46	0.85	
BDW47G	2.90	0.14	0.54	5.17	0.47	0.47	4.15	0.82	0.92	2.50	0.78	0.20	3.94	0.63	0.24	
BKAJQQ	3.20	1.55	0.76	5.40	1.08	0.62	4.15	0.80	0.58	2.50	0.78	0.11	4.02	0.94	0.22	
CNPL2T	2.92	0.24	0.60	5.00	0.00	0.41	4.12	0.66	0.06	2.51	0.81	0.42	3.84	0.22	0.52	
CRTTNY	2.83	-0.15	0.49	6.30	3.47	0.88	3.73	-1.07	0.44	2.30	-0.35	0.00	3.67	-0.46	0.85	
DF8AMR	3.24	1.73	0.05	5.35	0.95	0.25	4.26	1.30	0.04	2.58	1.24	0.11	4.08	1.15	0.08	
EGFWND	2.92	0.23	0.68	5.10	0.27	0.82	3.88	-0.39	0.23	2.45	0.48	1.67	3.66	-0.50	0.26	
ENJQVR	5.13	10.41X	1.77	2.53	-6.55X	1.84	4.13	0.74	1.77	4.07	9.65X	0.66	3.03	-2.94	0.85	
G42FUD	3.00	0.61	0.85	5.20	0.55	0.88	4.20	1.04	0.77	2.47	0.59	0.66	4.00	0.85		
GWK6GC	2.79	-0.37	0.12	4.99	0.00	0.12	4.00	0.15	0.15	2.32	-0.23	0.49	3.83	0.18	0.20	
JA8FCU	2.89	0.09	0.40	4.89	-0.29	0.97	3.95	-0.08	0.54	2.47	0.63	0.43	3.90	0.44	0.24	
KDBGFN	2.87	0.00	1.30	5.03	0.10	1.35	3.90	-0.32	1.33	2.37	0.03	1.31	3.77	-0.07	1.52	
KQJ33M	2.87	0.00	0.55	5.01	0.05	0.67	3.97	0.00	0.46	2.33	-0.20	0.35	3.77	-0.04	0.35	
KQZF9B	2.72	-0.68	0.14	4.78	-0.57	0.71	3.85	-0.53	0.44	2.27	-0.54	0.31	3.66	-0.47	0.61	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
LE6LAM	2.77	-0.43	0.42	4.84	-0.41	0.27	4.06	0.41	0.24	2.37	0.04	0.25	3.84	0.24	0.07	
M2W4DD	2.50	-1.68		4.40	-1.58	0.00	3.53	-1.98	0.44	2.10	-1.48	0.00	3.37	-1.63	0.42	
MQFG4C	2.68	-0.86	0.23	4.71	-0.75	0.45	3.85	-0.56	0.19	2.23	-0.73	0.24	3.63	-0.60	0.15	
NJDZEC	4.41	7.09X	0.60	6.06	2.84	0.40	6.22	10.18X	0.35	3.10	4.16	1.20	4.19	1.58	3.66	
NRNQWA	2.86	-0.05	0.13	4.91	-0.24	0.10	3.93	-0.17	0.12	2.26	-0.56	0.24	3.60	-0.71	0.18	
PCMCAK	2.77	-0.46	0.49	4.93	-0.16	1.35	3.80	-0.77	0.77	2.23	-0.73	0.66	3.63	-0.59	0.42	
PD2ZAC	3.26	1.79	0.26	5.21	0.58	0.81	4.08	0.49	0.51	2.36	0.00	1.05	3.52	-1.05	1.40	
PF9UCB	2.74	-0.59	1.59	4.67	-0.87	0.81	3.79	-0.80	1.61	2.34	-0.12	1.26	3.73	-0.20	0.40	
PNHMJD	3.33	2.14	0.49	5.43	1.17	0.51	4.47	2.25	0.89	2.67	1.73	0.66	4.13	1.37	0.42	
QEAHWE	2.92	0.26	0.62	4.98	-0.05	0.32	3.98	0.06	0.39	2.45	0.51	0.56	3.84	0.23	0.82	
QRZFXD	2.84	-0.12	0.15	5.01	0.04	0.15	3.99	0.11	0.25	2.35	-0.05	0.13	3.78	0.00	0.30	
TAXTRJ	3.14	1.27	0.28	5.53	1.43	0.21	4.30	1.52	0.17	2.21	-0.87	0.14	3.61	-0.67	0.04	
UGLJGB	2.77	-0.43	1.21	4.89	-0.29	0.40	3.80	-0.77	2.16	2.30	-0.33	1.43	3.78	0.00	0.15	
UZW9U9	2.77	-0.44	3.15	4.54	-1.21	1.94	3.88	-0.39	2.55	2.32	-0.22	2.34	3.71	-0.30	2.05	
V68HH4	2.63	-1.07	1.30	3.83	-3.09	0.51	3.97	-0.02	0.44	2.23	-0.73	2.86	3.42	-1.44	0.92	
VGZ6QD	3.00	0.60	0.35	4.94	-0.15	0.23	4.02	0.21	0.31	2.49	0.71	0.37	3.95	0.67	0.54	
WETFPF	2.73	-0.64	0.10	4.98	-0.05	0.10	3.85	-0.54	0.00	2.28	-0.46	0.00	3.79	0.01	0.42	
XGY367	2.60	-1.22	0.47	4.47	-1.40	1.79	3.85	-0.54	2.62	2.05	-1.78	0.93	3.21	-2.26	1.60	
YCHF4T	3.21	1.58	0.17	5.22	0.60	0.35	4.24	1.21	0.35	2.44	0.44	0.75	3.72	-0.24	1.04	
YP4GDK	2.74	-0.60	0.05	4.84	-0.41	0.09	3.95	-0.11	0.31	2.31	-0.29	0.30	3.68	-0.39	0.04	
ZLC4PY	1.58	-5.91X		2.20	-7.44X		2.16	-8.20X		1.00	-7.71X		1.75	-7.97X		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS1801	SRS1802	SRS1803	SRS1804	SRS1805	
Grand Median	2.87	5.00	3.97	2.36	3.78	
Median Abs Dev	0.11	0.15	0.12	0.08	0.12	
Avg Within Lab SD	0.12	0.11	0.13	0.09	0.14	
Labs Included	44	45	45	45	46	
Labs Reporting	47	47	47	47	47	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups															Data units: %
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
AW6FDX	2.80		1.48	5.03		1.45	3.80		1.47	2.27		1.65	3.67		1.54
FE4GUC	3.27		0.85	5.43		0.73	4.53		0.85	2.80		0.00	4.37		0.77
MQFG4C	2.48		0.31	4.31		0.60	3.53		0.35	2.07		0.54	3.33		0.23
SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups															Data units: %
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
Grand Median	2.80			5.03			3.80			2.27			3.67		
Median Abs Dev															
Avg Within Lab SD	0.07			0.08			0.07			0.04			0.08		
Labs Included	3			3			3			3			3		
Labs Reporting	3			3			3			3			3		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

CaCO3 Content (SubTestCode 185) in the Content Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6VB748	11.33	-0.29	0.46	0.30	-0.61	0.00	0.30	-0.60	0.00	0.30	-0.74	0.00	0.30	-0.46	0.00	
6Z92A9	15.22	1.14	1.09	0.34	-0.54	0.14	0.79	1.03	0.49	0.30	-0.74	0.21	0.83	1.06	0.52	
7KQWHY	15.33	1.18	0.33	1.66	1.74	0.94	1.15	2.24	0.54	0.76	0.64	2.02	1.39	2.66	0.92	
ALACYW	9.50	-0.96														
B6WAQM	14.85	1.00	1.74	0.46	-0.33	1.12	0.52	0.13	0.72	0.55	0.00	1.13	0.46	0.00	0.28	
BUUREK	11.67	-0.17	1.85													
FE4GUC	11.93	-0.07	0.51	0.50	-0.27	0.03										
M2W4DD	11.33	-0.29	0.92													
PF9UCB	9.54	-0.95	1.54	0.65	0.00	1.70	0.48	0.00	2.23	0.60	0.14	0.64	0.44	-0.07	2.40	
PNHMJD	15.43	1.22	0.18	0.67	0.04	0.03	0.28	-0.67	0.12	0.37	-0.53	0.12	0.39	-0.21	0.20	
R6GG64	16.19	1.49	0.55	0.67	0.03	0.06										
RXHW48	12.12	0.00	0.26													
Z8HC6X	12.16	0.02	0.37	2.12	2.52	1.98	0.46	-0.06	0.98	1.20	1.93	1.09	0.55	0.26	0.04	

CaCO3 Content (SubTestCode 185) in the Content Property Groups														Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	12.1			0.65			0.48			0.55			0.46			
Median Abs Dev	2.6			0.19			0.18			0.22			0.09			
Avg Within Lab SD	0.6			0.21			0.16			0.15			0.15			
Labs Included	13			9			7			7			7			
Labs Reporting	13			9			7			7			7			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups																Data units: cmol/kg
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	23.6	1.6	0.9	21.0	1.2	0.7	12.7	1.4	0.5	12.3	1.7	1.2	13.4	1.1	1.1	
6Z92A9	13.6	-1.2	0.7	13.6	-0.8	1.5	7.9	-0.5	1.6	8.5	-0.8	0.3	9.1	-0.7	0.1	
ALACYW	18.6	0.2	1.2	18.1	0.4	0.3	9.2	0.0	0.2	9.6	-0.1	0.0	11.3	0.2	0.1	
E6PNYW	17.9	0.0	2.1	17.0	0.1	2.0	9.9	0.3	2.0	9.8	0.0	0.2	10.8	0.0	0.6	
FE4GUC	17.8	0.0	0.5	16.6	0.0	0.8	9.0	-0.1	0.7	9.0	-0.4	1.0	10.3	-0.2	0.3	
M2W4DD	15.6	-0.6	0.1	13.5	-0.8	0.2	10.2	0.4	0.2	9.8	0.1	0.4	11.1	0.1	0.2	
PCMCAK	15.6	-0.6		15.6	-0.3		8.2	-0.4		9.7	0.0		10.0	-0.3		
PNHMJD	21.9	1.1	0.7	24.2	2.1	0.6	15.2	2.4	0.7	12.8	2.0	2.2	17.1	2.7	2.5	
XPM6X2	15.4	-0.7	0.2	15.1	-0.4	0.5	7.8	-0.6	0.2	8.0	-1.1	0.6	9.2	-0.7	0.1	

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups																Data units: cmol/kg
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	17.8			16.6			9.23			9.72			10.8			
Median Abs Dev	2.3			1.5			1.03			0.70			0.8			
Avg Within Lab SD	0.8			0.9			0.36			0.28			1.0			
Labs Included	9			9			9			9			9			
Labs Reporting	9			9			9			9			9			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups														Data units: cmol/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	8.8	-1.8	0.1	5.2	-2.2	0.4	8.5	0.3	2.4	7.7	-0.1	2.5	6.7	-0.5	2.2	
7KQWHY	28.4	-0.1	0.6	16.6	1.4	1.3	6.7	-0.7	0.4	8.2	0.5	0.7	7.7	0.1	1.0	
7W7ATV	40.2	0.9	1.2	12.2	0.0	1.3	7.7	-0.1	0.3	7.9	0.2	0.5	7.6	0.0	0.3	
AW6FDX	32.0	0.2	0.8	10.9	-0.4	0.4	7.8	-0.1	0.4	6.5	-1.3	0.2	6.0	-0.9	0.7	
BKAJQQ	21.6	-0.7	0.5	12.8	0.2	0.3	4.6	-1.8	0.1	6.0	-1.9		5.1	-1.3	0.1	
CRTTNY	40.5	0.9	0.3	11.5	-0.2	0.9	7.4	-0.3	0.2	7.7	-0.1	0.3	6.4	-0.6	0.2	
JA8FCU	19.2	-0.9	1.4	11.0	-0.4	1.7	8.7	0.4	0.7	7.7	0.0	1.6	7.6	0.0	1.9	
KQZF9B	25.9	-0.3	1.4	10.1	-0.7	0.7	7.9	0.0	0.3	7.1	-0.7	0.2	5.9	-0.9	0.4	
LE6LAM	29.7	0.0	0.5	11.1	-0.3	0.6	8.7	0.4	0.3	7.8	0.1	0.2	8.6	0.5	0.3	
Q8R673	39.2	0.8	2.2	12.3	0.1	1.8	6.9	-0.6	2.2	8.0	0.3	1.3	7.2	-0.2	1.5	
QRZFXD	22.0	-0.7	0.3	12.1	0.0	0.9	9.1	0.6	0.6	7.6	-0.2	0.8	8.8	0.6	0.6	
YCHF4T	33.2	0.3	0.9	14.7	0.8	0.6	11.4	1.9	0.2	8.9	1.3	0.2	12.2	2.4	0.2	
YP4GDK	42.7	1.1	0.5	18.2	1.9	0.4	10.8	1.6	0.8	9.7	2.1	0.0	9.3	0.9	0.2	

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups														Data units: cmol/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	29.7			12.1			7.92			7.73			7.60			
Median Abs Dev	8.1			1.2			0.78			0.30			1.17			
Avg Within Lab SD	1.3			0.6			0.83			0.65			0.62			
Labs Included	13			13			13			13			13			
Labs Reporting	13			13			13			13			13			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7KQWHY	1.18	0.00	0.30	0.89	0.16	0.48	1.19	0.45	0.32	1.17	0.74	0.73	1.05	0.30	0.64	
7W7ATV	1.03	-1.66	0.98	0.83	-0.73	1.28	1.03	-1.31	0.87	1.01	-0.75	1.85	0.90	-1.56	2.04	
ALACYW	1.40	2.38	0.00	1.08	2.60	0.18	1.29	1.49	0.57	1.31	2.19	0.13	1.20	2.14	0.00	
EGFWND	1.19	0.09	0.00	0.88	0.00	0.04	1.15	0.00	0.33	1.08	-0.07	0.13	1.03	0.00	0.26	
NK6KY3	1.18	0.01	0.21	0.86	-0.26	1.29	1.14	-0.18	1.84	1.07	-0.20	0.80	1.00	-0.30	1.36	
PF9UCB	1.16	-0.28	2.36	0.87	-0.11	1.83	1.13	-0.22	1.32	1.09	0.00	1.54	0.99	-0.41	0.26	
TUELKD	1.15	-0.30	0.56	0.95	0.87	0.23	1.25	1.07	0.75	1.17	0.77	0.17	1.03	0.01	0.65	

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	1.18			0.88			1.15			1.09			1.03			
Median Abs Dev	0.03			0.02			0.04			0.08			0.02			
Avg Within Lab SD	0.03			0.03			0.02			0.05			0.02			
Labs Included	7			7			7			7			7			
Labs Reporting	7			7			7			7			7			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups

Data units: Percent

WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
387PJL	27.8	-0.2	0.2	13.5	-0.6	0.5	44.2	-0.3	0.4	16.6	-0.3	2.2	33.0	-0.8	0.7
4NXA79	16.7	-2.4	1.1	9.3	-1.3	0.7	33.3	-2.8	0.9	6.0	-2.1		28.0	-1.6	1.7
6G9P8D	19.5	-1.9	0.7	5.7	-1.8	0.9	35.5	-2.3	2.9	8.5	-1.7	1.1	23.9	-2.2	0.4
6Z92A9	30.0	0.2	1.0	19.3	0.3	0.4	48.3	0.7	1.2	19.3	0.2	0.4	41.3	0.5	1.3
7KQWHY	33.0	0.8	0.2	19.6	0.3	0.4	47.2	0.4	0.2	21.9	0.6	0.2	38.1	0.0	0.1
8UDU46	33.3	0.8	1.1	19.3	0.3	1.4	48.0	0.6	1.6	20.7	0.4	1.6	36.7	-0.2	1.9
ALACYW	28.0	-0.2	1.0	15.3	-0.4	0.4	43.0	-0.6	0.8	18.0	-0.1		34.0	-0.6	
AW6FDX	33.5	0.9	0.7	26.5	1.3	0.4	50.5	1.2	0.6	20.5	0.4	1.5	41.0	0.5	1.2
BDW47G	39.5	2.1	0.0	31.1	2.0	0.0	57.3	2.8X	0.0	27.4	1.5	0.0	51.2	2.0	0.0
BKAJQQ	17.9	-2.2	0.6	13.1	-0.7	0.7	37.3	-1.9	0.4	13.4	-0.8	0.4	33.5	-0.7	0.5
CUUCHD	37.2	1.6	0.0	23.2	0.8	0.0	51.2	1.3	0.0	27.2	1.5	0.0	47.2	1.4	0.0
D2M42Q	27.7	-0.3	0.5	8.1	-1.5	0.6	46.3	0.2	0.2	14.1	-0.7	0.5	36.5	-0.2	0.3
EGFWND	28.3	-0.1	1.1	17.7	0.0	0.4	45.0	-0.1		16.7	-0.3	0.4	39.0	0.1	
FE4GUC	30.0	0.2	1.4	16.3	-0.2	0.8	45.5	0.0	1.0	17.7	-0.1	0.2	40.5	0.4	2.0
JA8FCU	31.0	0.4		21.0	0.5		41.0	-1.0		21.0	0.5		45.0	1.1	
KQZF9B	32.3	0.6	0.3	21.8	0.6	0.5	48.3	0.7	0.2	24.4	1.0	0.5	41.8	0.6	0.6
LE6LAM	30.0	0.2		16.0	-0.3		46.0	0.1		20.0	0.3		50.0	1.9	
NK6KY3	29.9	0.2	0.2	19.0	0.2	0.6	46.1	0.2	0.2	20.2	0.3	0.5	38.4	0.0	0.6
PD2ZAC	27.7	-0.3	1.1	19.7	0.3	0.7	45.0	-0.1		18.3	0.0	0.8	42.0	0.6	
PNHMJD	28.3	-0.1	0.6	17.7	0.0	1.0	42.0	-0.8		16.5	-0.3	0.5	33.0	-0.8	0.8
QEAHWE	33.0	0.8	1.0	20.0	0.4	0.6	46.0	0.1	0.8	23.0	0.8	0.7	36.7	-0.2	0.5
QRZFXD	30.4	0.3	0.4	18.4	0.1	0.2	47.7	0.5	1.2	21.1	0.5	0.6	39.7	0.3	1.0
RXHW48	32.4	0.7	2.1	22.4	0.7	2.5	47.9	0.6	0.4	18.3	0.0	0.7	41.3	0.5	0.6
TUELKD	29.0	0.0		17.0	-0.1		45.0	-0.1		17.0	-0.2		38.3	0.0	1.0
UVR43W	27.3	-0.3	1.1	15.3	-0.4	0.7	43.3	-0.5	0.9	24.7	1.1	0.8	34.7	-0.5	1.0
UZW9U9	26.4	-0.5	2.0	18.1	0.1	2.6	45.6	0.0	0.8	25.9	1.3	2.6	39.2	0.2	1.5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
XPM6X2	24.0	-1.0		8.0	-1.5		40.0	-1.3		12.0	-1.1		30.0	-1.3		
YP4GDK	22.9	-1.2	0.7	5.7	-1.8	1.7	40.5	-1.1	1.0	10.9	-1.3	0.9	30.6	-1.2	1.3	
Z8HC6X	27.3	-0.3	1.1	6.0	-1.8	0.3	45.4	0.0	1.1	12.5	-1.0	0.4	36.2	-0.3	0.3	
ZFE4Z8	29.2	0.0	1.4	14.2	-0.5	0.9	44.2	-0.3	0.6	19.2	0.1	1.0	37.9	0.0	0.6	
ZLC4PY	28.0	-0.2		16.0	-0.3		47.0	0.4		15.0	-0.6		38.0	0.0		

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	29.0			17.7			45.4			18.3			38.1			
Median Abs Dev	1.7			2.3			2.2			2.7			3.2			
Avg Within Lab SD	1.0			1.6			1.3			1.4			1.2			
Labs Included	31			31			30			31			31			
Labs Reporting	31			31			31			31			31			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
387PJL	45.5	-0.3	0.4	54.1	-0.4	0.3	32.5	0.0		63.5	0.0	1.7	43.0	0.0	0.4	
4NXA79	59.3	1.4	0.7	68.7	1.4	0.6	44.7	1.8	0.7	76.0	1.1	2.1	54.0	1.7	1.3	
6G9P8D	51.4	0.4	2.3	60.0	0.3	0.4	36.1	0.5	1.7	65.0	0.1	0.3	51.5	1.3	2.7	
6Z92A9	47.3	-0.1	0.7	56.7	-0.1	0.6	30.7	-0.3	0.7	62.0	-0.2		39.3	-0.6	1.5	
7KQWHY	41.6	-0.8	1.6	50.3	-0.8	0.8	29.7	-0.5	0.1	58.4	-0.5	0.6	40.8	-0.4	0.1	
8UDU46	47.7	0.0	0.7	58.0	0.1	1.0	34.3	0.2	1.5	65.7	0.2	1.6	48.7	0.9	0.7	
ALACYW	52.3	0.5	0.3	60.7	0.4	0.3	37.0	0.6	0.6	66.0	0.2		47.3	0.6	0.4	
AW6FDX	38.0	-1.2	0.8	43.5	-1.6	1.1	24.5	-1.3	0.5	62.5	-0.1	0.4	41.0	-0.4		
BDW47G	32.4	-1.9	0.0	36.6	-2.5	0.0	14.5	-2.8X	0.0	38.3	-2.3	0.0	20.5	-3.7X	0.0	
BKAJQQ	53.4	0.7	0.2	57.6	0.1	0.6	36.1	0.5	0.5	65.1	0.1	0.2	43.2	0.0	0.4	
CUUCHD	44.0	-0.5		56.0	-0.1		30.0	-0.4		60.0	-0.3		38.0	-0.9		
D2M42Q	51.6	0.5	0.6	61.4	0.5	0.1	32.8	0.0	0.4	71.2	0.7	0.5	44.6	0.2	0.1	
EGFWND	52.0	0.5	1.1	63.0	0.7		41.0	1.2		70.0	0.6		45.7	0.4	0.4	
FE4GUC	54.3	0.8	0.8	65.2	1.0	0.3	40.7	1.2	0.7	72.1	0.7	0.5	48.8	0.9	1.5	
JA8FCU	54.0	0.8		60.0	0.3		46.0	2.0		68.0	0.4		42.0	-0.2		
KQZF9B	45.4	-0.3	0.3	53.9	-0.4	0.5	29.9	-0.4	0.0	58.2	-0.5	0.5	38.9	-0.7	0.1	
LE6LAM	48.0	0.0		56.0	-0.1		32.0	-0.1		64.0	0.0		30.0	-2.1		
NK6KY3	50.4	0.3	1.7	58.1	0.1	2.3	35.8	0.5	2.3	66.7	0.3	1.6	46.0	0.4	1.0	
PD2ZAC	46.3	-0.2	0.7	55.0	-0.3	1.0	35.0	0.3		61.7	-0.2	0.7	39.3	-0.6	0.4	
PNHMJD	52.0	0.5		59.0	0.2	0.5	37.0	0.6		15.5	-4.3	0.4	49.7	1.0	0.4	
QEAHWE	36.7	-1.4	0.3	46.0	-1.3	0.9	26.3	-1.0	0.7	53.3	-0.9	0.9	38.3	-0.8	0.7	
QRZFXD	62.9	1.8	0.7	59.6	0.3	0.2	34.9	0.3	1.5	67.6	0.3	0.2	44.3	0.2	1.0	
RXHW48	50.8	0.4	1.2	62.8	0.7	2.1	36.3	0.5	0.7	71.3	0.7	0.5	47.8	0.7	0.5	
TUELKD	42.0	-0.7		50.0	-0.9		28.7	-0.6	0.7	61.3	-0.2	0.7	40.0	-0.5		
UVR43W	44.0	-0.5	1.1	52.7	-0.5	0.6	31.3	-0.2	1.5	54.0	-0.9	1.2	41.3	-0.3	0.7	
UZW9U9	43.5	-0.5	1.3	49.1	-1.0	1.8	28.3	-0.7	0.6	56.2	-0.7	1.6	36.0	-1.2	1.8	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
XPM6X2	47.4	-0.1	0.0	55.4	-0.2	0.0	31.4	-0.2	0.0	63.4	0.0	0.0	43.4	0.0	0.0	
YP4GDK	54.1	0.8	0.7	66.5	1.1	1.7	36.8	0.6	1.3	75.5	1.1	1.2	52.3	1.5	1.3	
ZFE4Z8	49.2	0.2	1.6	58.8	0.2	1.1	30.8	-0.3	0.5	65.0	0.1		44.6	0.2	0.5	
ZLC4PY	28.0	-2.4		36.0	-2.5		17.0	-2.4		35.0	-2.6		20.0	-3.8X		
Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups														Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	47.8			57.1			32.8			63.8			43.3			
Median Abs Dev	4.2			3.4			3.3			4.0			4.0			
Avg Within Lab SD	1.8			2.0			1.6			1.6			1.6			
Labs Included	30			30			29			30			28			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
387PJL	26.8	0.7	0.3	32.4	0.7	0.1	23.4	0.2	0.4	20.0	0.5	0.5	24.0	1.0	1.0		
4NXA79	22.0	0.0	2.4	22.0	-0.7		22.0	0.0		20.0	0.5		18.0	-0.1			
6G9P8D	29.1	1.0	2.3	34.4	1.0	1.1	28.5	1.2	2.9	26.5	1.6	1.2	24.6	1.1	2.7		
6Z92A9	22.7	0.1	1.4	24.0	-0.4	0.9	20.7	-0.2	0.4	18.7	0.3	0.6	19.3	0.1	1.0		
7KQWHY	26.8	0.7	0.4	30.1	0.4	0.8	23.1	0.2	0.0	19.8	0.5	0.6	21.1	0.5	0.0		
8UDU46	19.0	-0.5	1.4	22.7	-0.6	1.0	17.7	-0.8	0.8	13.7	-0.5	1.6	14.7	-0.8	1.9		
ALACYW	19.7	-0.4	0.4	24.0	-0.4		20.0	-0.4		16.0	-0.2		18.7	0.0	0.4		
AW6FDX	28.5	0.9	0.5	30.0	0.4	1.2	26.0	0.7	1.0	17.0	0.0	1.5	18.0	-0.1	0.9		
BDW47G	28.1	0.9	0.0	32.3	0.7	0.0	28.2	1.1	0.0	34.2	2.8	0.0	28.4	1.8	0.0		
BKAJQQ	28.7	1.0	0.6	28.3	0.2	0.7	26.5	0.8	0.8	21.5	0.7	0.8	23.3	0.9	0.2		
CUUCHD	18.8	-0.5	0.0	20.8	-0.9	0.0	18.8	-0.6	0.0	12.8	-0.7	0.0	14.8	-0.7	0.0		
D2M42Q	20.7	-0.2	0.8	30.5	0.5	0.7	20.9	-0.2	0.5	14.8	-0.4	0.2	18.9	0.0	0.3		
EGFWND	19.7	-0.4	0.8	19.3	-1.1	0.5	14.0	-1.5		13.3	-0.6	0.6	15.3	-0.6	0.4		
FE4GUC	15.8	-1.0	0.1	18.4	-1.2	0.6	13.8	-1.5	0.2	10.3	-1.1	0.6	10.8	-1.5	0.4		
JA8FCU	15.0	-1.1		19.0	-1.1		13.0	-1.6		11.0	-1.0		13.0	-1.1			
KQZF9B	22.3	0.0	0.5	24.3	-0.4	0.1	21.8	0.0	0.2	17.4	0.1	0.2	19.3	0.1	0.5		
LE6LAM	22.0	0.0		28.0	0.1		22.0	0.0		16.0	-0.2		20.1	0.3			
NK6KY3	19.7	-0.4	1.9	22.9	-0.6	3.2	18.1	-0.7	2.6	13.1	-0.6	2.0	15.6	-0.6	1.4		
PD2ZAC	26.0	0.6		25.3	-0.2	1.0	20.0	-0.4		20.0	0.5		18.7	0.0	0.4		
PNHMJD	19.7	-0.4	0.4	23.3	-0.5	0.5	21.0	-0.2		16.5	-0.1	0.8	17.3	-0.3	0.4		
QEAHWE	30.3	1.2	0.4	34.0	1.0	0.9	27.7	1.0	0.4	23.7	1.1	0.6	25.0	1.2	0.6		
QRZFXD	6.7	-2.4	1.0	22.0	-0.7	0.3	17.3	-0.8	0.6	11.3	-0.9	0.9	16.0	-0.5	0.3		
RXHW48	16.8	-0.8	0.2	14.9	-1.7	0.3	15.8	-1.1	0.4	10.4	-1.1	0.2	10.9	-1.5	0.3		
TUELKD	29.0	1.0		33.0	0.8		26.3	0.8	0.8	21.7	0.8	1.2	21.7	0.6	0.7		
UVR43W	29.7	1.1	0.8	33.0	0.8		26.3	0.8	0.8	22.3	0.9	1.2	25.0	1.2			
UZW9U9	30.1	1.2	0.8	32.8	0.8	1.7	26.1	0.8	0.8	17.9	0.2	1.7	24.8	1.2	2.2		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
XPM6X2	28.6	0.9	0.0	36.6	1.3	0.0	28.6	1.2	0.0	24.6	1.2	0.0	26.0	1.4			
YP4GDK	23.0	0.1	0.5	27.9	0.1	0.7	22.6	0.1	0.6	13.6	-0.6	0.8	17.0	-0.3	0.5		
ZFE4Z8	21.7	-0.1	1.0	27.1	0.0	0.6	25.0	0.5		15.8	-0.2	1.5	17.5	-0.2			
ZLC4PY	44.0	3.3X		48.0	2.9X		36.0	2.5X		50.0	5.4X		42.0	4.4X			
Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805				
Grand Median	22.3			27.1			22.0			17.0			18.7				
Median Abs Dev	4.5			5.1			4.0			3.4			3.1				
Avg Within Lab SD	1.5			1.2			1.4			0.9			1.6				
Labs Included	29			29			29			29			29				
Labs Reporting	30			30			30			30			30				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups															Data units: %			
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
RXHW48	28.5		1.0	33.0		1.0	24.9		1.0	29.0		1.0	24.8		1.0			

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups															Data units: %			
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	28.5			33.0			24.9			29.0			24.8					
Median Abs Dev																		
Avg Within Lab SD	0.4			0.7			0.1			0.4			0.1					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
RXHW48	12.1		1.0	12.4		1.0	11.6		1.0	8.3		1.0	9.2		1.0			

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	12.1			12.4			11.6			8.26			9.21					
Median Abs Dev																		
Avg Within Lab SD	0.2			0.3			0.3			0.12			0.24					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
RXHW48	16.5		1.0	20.6		1.0	13.3		1.0	20.7		1.0	15.6		1.0			

Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	16.5			20.6			13.3			20.7			15.6					
Median Abs Dev																		
Avg Within Lab SD	0.4			0.9			0.2			0.3			0.1					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
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			
7QB97Z	673.7		1.0	561.7		1.0	396.3		1.0	244.0		1.0	303.7		1.0			

Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups														Data units: mg/kg				
SRS1801				SRS1802				SRS1803				SRS1804				SRS1805		
Grand Median	673.7			561.7			396.3			244.0			303.7					
Median Abs Dev																		
Avg Within Lab SD	16.1			13.2			12.0			12.8			10.0					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups														Data units: mg/kg		
														SRS1805		
SRS1801				SRS1802				SRS1803				SRS1804				
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	
NRNQWA	8.4		0.3	39.2		0.9	14.4		0.6	37.0		0.7	284.0		0.8	
Q8R673	37.3		1.4	72.3		1.1	36.3		1.3	70.0		1.2	180.3		1.2	
Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups														Data units: mg/kg		
														SRS1805		
SRS1801				SRS1802				SRS1803				SRS1804				
Grand Median	22.9			55.8			25.4			53.5			232.2			
Median Abs Dev																
Avg Within Lab SD	4.2			12.4			5.1			5.7			8.5			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
WebCode	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ALACYW	12.0			90.7		0.2	21.0		0.6	4.7		1.2	8.7		1.8	
B28ZB4	9.5		0.1	79.5		0.2	21.0		0.0	4.4		0.1	9.0		0.2	
E6PNYW	13.5		0.7	90.7		1.8	25.3		0.7	6.6		1.6	11.6		0.3	
V68HH4	11.7		1.6	63.1		0.8	34.2		1.8	5.1		0.2	8.6		0.9	
DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
	SRS1801			SRS1802			SRS1803			SRS1804			SRS1805			
Grand Median	11.9			85.1			23.2			4.88			8.84			
Median Abs Dev																
Avg Within Lab SD	0.4			2.4			1.6			0.49			0.65			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg		
SRS1801				SRS1802				SRS1803			SRS1804			SRS1805		
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	
ALACYW				9.0			20.7		0.4	10.0			39.0		1.4	
E6PNYW	2.3		1.0	16.5		1.0	31.7		1.3	15.9		1.0	46.0		0.4	
DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg		
SRS1801				SRS1802				SRS1803			SRS1804			SRS1805		
Grand Median	2.31			12.7			26.2			12.9			42.5			
Median Abs Dev																
Avg Within Lab SD	1.26			5.3			3.6			6.1			2.5			
Labs Included	1			2			2			2			2			
Labs Reporting	1			2			2			2			2			





ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Dry Matter (%) (SubTestCode 201)													Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6Z92A9	93.7	-0.2	2.6	93.2	-0.3	1.2	93.4	-0.9	2.5	94.1	-0.5	2.5		
ALACYW	93.7	-0.3	0.0	93.0	-0.5	0.0	93.6	-0.7	0.0	94.3	-0.2	0.0		
CNPL2T	91.7	-2.1X	0.0	91.0	-3.2X	0.0	91.7	-3.2X	0.0	92.0	-3.9X	0.0		
CUUCHD	93.8	-0.2	0.3	93.1	-0.5	0.7	94.5	0.7	1.9	94.5	0.1	0.7		
KDBGFN	95.2	1.3	1.5	94.6	1.7	1.4	95.0	1.3	0.5	95.8	2.2	1.3		
KQJ33M	92.6	-1.2	1.6	92.2	-1.6	1.0	92.3	-2.3	0.1	92.9	-2.4	1.2		
KQZF9B	93.5	-0.4	0.6	92.9	-0.7	0.6	93.5	-0.7	0.1	93.9	-0.8	1.0		
LE6LAM	95.0	1.0	1.0	94.1	0.9	0.3	94.8	1.1	0.3	94.9	0.8	0.6		
LW6CRB	95.8	1.8	0.0	94.4	1.3	0.0	94.5	0.7	0.0	94.9	0.8	0.0		
NJDZEC	92.9	-1.0	1.1	92.6	-1.1	2.8	93.8	-0.3	0.3	94.1	-0.5	0.0		
PG2C7C	94.1	0.2	0.0	93.6	0.3	0.0	94.4	0.5	0.0	94.5	0.2			
QEAHWE	93.5	-0.4	1.1	93.4	0.0	0.8	93.8	-0.3	1.3	94.0	-0.6	1.5		
R3VWZB	94.6	0.6	0.0	93.5	0.1		94.1	0.1	0.0	94.4	0.0	0.0		
R3VWZY	94.6	0.6	0.0	93.5	0.1		94.1	0.1	0.0	94.4	0.0	0.0		
YCHF4T	95.0	1.0	0.6	94.3	1.2	0.1	94.8	1.0	1.5	95.1	1.2	1.2		
YP4GDK	94.3	0.4	0.5	93.4	0.0	0.3	93.9	-0.2	1.3	94.4	0.0	0.3		
ZFE4Z8	93.7	-0.2	0.1	93.1	-0.4	0.2	94.0	-0.1	0.1	94.2	-0.4	0.0		

Dry Matter (%) (SubTestCode 201)					Data units: Percent			
	SRB1801		SRB1802		SRB1803		SRB1804	
Grand Median	93.9		93.4		94.0		94.4	
Median Abs Dev	0.6		0.4		0.5		0.3	
Avg Within Lab SD	0.1		0.1		0.1		0.1	
Labs Included	16		16		16		16	
Labs Reporting	17		17		17		17	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3 - N Cd Rd. (SubTestCode 202)

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4NXA79	490.0	-0.7	0.4	71.4	-1.6	0.6	3,720.4	0.0	0.8	251.0	0.1	1.3
6Z92A9	571.0	0.9	0.2	117.7	0.2	0.8	4,242.7	1.4	0.2	256.0	0.2	0.8
7A3CM2	542.3	0.3	0.7	160.0	1.9	1.0	4,560.0	2.2	1.0	325.7	2.2	1.2
7QB97Z	525.7	0.0	0.2	111.7	0.0	0.3	3,551.0	-0.5	0.7	225.3	-0.7	0.7
8UDU46	460.3	-1.4	0.5	109.0	-0.1	0.3	3,460.0	-0.7	2.6	235.0	-0.4	0.3
B28ZB4	546.7	0.4	0.1	105.3	-0.3	0.1	3,701.7	-0.1	0.1	238.3	-0.3	0.2
CUUCHD	478.3	-1.0	0.3	118.0	0.3	0.1	3,353.3	-1.0	0.7	228.7	-0.6	0.2
D8CLGN	508.3	-0.4	0.9	98.1	-0.5	0.3	3,747.3	0.0	0.3	248.7	0.0	0.8
ENJQVR	556.7	0.6	0.3	148.0	1.4	0.3	3,735.0	0.0	0.6	339.3	2.6	2.4
KDBGFN	508.8	-0.4	0.1	106.4	-0.2	0.1	3,998.9	0.7	0.4	244.8	-0.1	0.2
KQJ33M	440.3	-1.8	3.5	142.8	1.2	3.5	3,423.6	-0.8	1.7	203.1	-1.3	0.6
LAWQZR	504.0	-0.5	1.2	100.0	-0.5	1.4	3,979.7	0.7	0.6	227.7	-0.6	0.8
M2W4DD	0.0	-10.9X	0.0	0.0	-4.4X	0.0	0.3	-9.9X	0.0	0.0	-7.0X	0.0
PCMCAK	575.7	1.0	0.6	105.0	-0.3	0.2	4,180.0	1.2	1.0	249.0	0.0	0.4
QEAHWE	570.0	0.9	0.3	72.6	-1.6	0.3	3,474.8	-0.7	0.9	275.4	0.8	0.7
QRZFXD	525.9	0.0	0.2	137.3	1.0	0.8	3,730.0	0.0	1.0	289.1	1.1	1.9
YCHF4T	110.1	-8.7X	0.1	118.5	0.3	0.1	267.7	-9.2X	0.0	110.5	-3.9X	0.1
ZFE4Z8	546.0	0.4	0.2	113.9	0.1	0.0	4,038.0	0.8	0.4	248.8	0.0	0.2

NO3 - N Cd Rd. (SubTestCode 202)

Data units: mg/kg

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	525.8	111.7	3,732.5	248.8
Median Abs Dev	26.3	6.9	262.1	16.9
Avg Within Lab SD	34.0	20.4	112.2	16.3
Labs Included	16	17	16	16
Labs Reporting	18	18	18	18



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3 - N ISE (SubTestCode 203)										Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3WECRP	706.9		2.0	326.2		0.6	5,280.9		1.7	456.5	2.0
ALACYW	517.1		0.1	216.1		0.0	4,461.1		0.1	328.9	0.0
BKAJQQ	410.7		0.1	108.7		0.8	3,936.7		0.3	209.7	0.1
CNPL2T	633.7		0.4	318.6		1.7	4,079.9		1.0	404.7	0.2
NO3 - N ISE (SubTestCode 203)										Data units: mg/kg	
	SRB1801			SRB1802			SRB1803			SRB1804	
Grand Median	575.4			267.4			4,270.5			366.8	
Median Abs Dev											
Avg Within Lab SD	17.2			2.7			102.5			14.3	
Labs Included	4			4			4			4	
Labs Reporting	4			4			4			4	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3 - N Oth. (SubTestCode 204)												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	3,582.5	2.1	2.2	4,455.8	1.7	1.7	5,737.5	1.8	1.4	4,235.8	1.9	2.2	
6GPH9N	1,858.7	0.8	0.1	2,703.0	0.9	1.2	3,509.6	-0.5	0.4	2,425.6	0.9	0.5	
LWKX2D	568.2	-0.2	0.1	110.3	-0.4	0.7	3,996.5	0.0	1.5	187.0	-0.3	0.3	
PG2C7C	384.0	-0.4	0.0	91.0	-0.4	0.1	3,435.3	-0.6	0.8	213.3	-0.3	0.0	
YP4GDK	851.7	0.0	0.0	875.0	0.0	0.1	4,391.7	0.4	0.2	690.0	0.0	0.0	

NO3 - N Oth. (SubTestCode 204)												Data units: mg/kg	
	SRB1801			SRB1802			SRB1803			SRB1804			
Grand Median	851.7			875.0			3,996.5			690.0			
Median Abs Dev	467.7			784.0			486.8			503.0			
Avg Within Lab SD	703.6			115.4			220.0			363.6			
Labs Included	5			5			5			5			
Labs Reporting	5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NH4-N (SubTestCode 205)										Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6Z92A9	38.0		0.1	39.0		0.1	178.3		0.3	67.7	0.1
ENJQVR	10.4		0.0	10.1		0.0	25.9		0.0	8.0	0.0
LWKX2D	264.8		2.0	250.3		2.0	481.1		1.8	244.8	2.0
YCHF4T	520.8		0.2	100.9		0.0	3,803.1		0.8	270.5	0.1

NH4-N (SubTestCode 205)										Data units: mg/kg	
	SRB1801			SRB1802			SRB1803			SRB1804	
Grand Median	151.4			69.9			329.7			156.2	
Median Abs Dev											
Avg Within Lab SD	56.4			44.4			65.8			58.3	
Labs Included	4			4			4			4	
Labs Reporting	4			4			4			4	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PO4 - P (SubTestCode 206)													Data units: mg/kg
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	930.3	-0.2	0.6	603.7	1.6	1.1	2,703.3	-1.1	1.1	969.0	-0.4	1.7	
4NXA79	803.7	-1.3	0.2	192.7	-1.0	1.1	2,915.3	-0.7	1.2	673.0	-2.3	0.6	
6GPH9N	1,106.6	1.4	0.2	213.4	-0.9	0.4	2,453.1	-1.5	1.6	1,169.7	1.0	0.7	
6Z92A9	1,490.0	4.7X	0.3	475.0	0.8	0.5	4,064.0	1.2	0.6	2,068.3	6.9X	0.2	
ALACYW	1,083.7	1.2	0.1	458.7	0.7	0.2	3,716.4	0.6	0.2	1,126.3	0.7	0.2	
B28ZB4	930.0	-0.2	0.1	266.0	-0.6	0.0	3,186.7	-0.3	0.1	890.3	-0.9	0.1	
BKAJQQ	936.7	-0.1	0.3	323.3	-0.2	1.1	3,416.7	0.1	0.3	1,033.3	0.1	0.9	
D8CLGN	959.7	0.1	0.4	433.7	0.5	2.4	3,500.0	0.3	0.7	1,030.0	0.0	1.4	
KQJ33M	1,184.8	2.1	3.0	532.4	1.1	0.8	2,575.2	-1.3	1.6	1,170.5	1.0	1.5	
LAWQZR	935.7	-0.1	0.7	334.0	-0.1	0.2	3,347.0	0.0	1.4	953.7	-0.5	0.7	
QRZFXD	978.6	0.3	0.1	353.8	0.0	0.5	3,470.0	0.2	0.3	1,019.2	0.0	0.9	

PO4 - P (SubTestCode 206)					Data units: mg/kg
	SRB1801	SRB1802	SRB1803	SRB1804	
Grand Median	948.2	353.8	3,347.0	1,024.6	
Median Abs Dev	24.3	104.9	369.4	86.3	
Avg Within Lab SD	62.7	28.8	117.0	47.1	
Labs Included	10	11	11	10	
Labs Reporting	11	11	11	11	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SO4 - S (SubTestCode 207)										Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6Z92A9	628.3		0.2	512.7		0.2	2,232.7		0.3	1,922.0	0.0
ALACYW	313.2		0.2	222.2		0.5	188.8		0.0	297.1	0.0
B6WAQM	3,240.0		2.0	5,590.0		1.9	10,739.0		1.9	5,920.0	2.0
CNPL2T	599.7		0.1	591.7		0.2	2,357.1		0.6	419.4	0.1

SO4 - S (SubTestCode 207)										Data units: mg/kg
	SRB1801			SRB1802			SRB1803			SRB1804
Grand Median	614.0			552.2			2,294.9			1,170.7
Median Abs Dev										
Avg Within Lab SD	106.3			24.0			88.3			122.3
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

CI (SubTestCode 208)												Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	0.38	-1.52	2.98	0.39	-0.20	3.38	1.18	-0.27	2.65	0.31	1.94	3.21	
6GPH9N	0.46	-0.23	0.60	0.41	0.00	0.23	1.15	-0.57	0.67	0.19	0.20	0.21	
6Z92A9	0.35	-1.89	0.75	0.33	-0.76	0.36	0.97	-2.10	0.20	0.15	-0.47	0.40	
ALACYW	0.66	2.71	0.35	0.56	1.37	0.22	1.49	2.30	0.19	0.26	1.26	0.05	
B6WAQM	0.50	0.30	0.84	0.44	0.28	0.66	1.32	0.87	2.01	0.20	0.26	0.63	
BKAJQQ	0.50	0.30	1.17	0.42	0.09	0.74	1.21	-0.07	0.79	0.21	0.39	1.00	
D8CLGN	0.48	-0.01	0.78	0.54	1.11	1.27	1.37	1.29	1.00	0.23	0.79	0.81	
ENJQVR	0.45	-0.44	0.04	0.38	-0.33	0.43	1.12	-0.80	0.30	0.16	-0.33	0.24	
KDBGFN	0.58	1.52	1.36	0.83	3.84X	1.22	1.33	1.01	1.68	0.48	4.58X	2.47	
LAWQZR	0.47	-0.10	0.19	0.41	0.00	0.55	1.21	-0.07	0.27	0.18	0.04	1.28	
LWKX2D	0.07	-6.13X	0.50	0.09	-2.97	0.74	0.30	-7.77X	1.68	0.06	-1.76	0.19	
NK6KY3	0.46	-0.23	0.10	0.39	-0.25	0.09	1.19	-0.24	0.44	0.16	-0.38	0.18	
PCMCAK	0.48	0.01	1.40	0.59	1.59	1.02	1.22	0.08	0.53	0.26	1.23	0.46	
PG2C7C	0.48	-0.05	0.19	0.41	-0.06	0.41	1.18	-0.27	0.10	0.17	-0.16	0.40	
QEAHWE	0.49	0.22	0.05	0.42	0.07	0.29	1.22	0.07	0.06	0.18	-0.04	0.04	
QRZFXD	0.50	0.35	0.19	0.64	2.07	0.62	1.39	1.46	0.41	0.32	2.17	1.51	
YCHF4T	0.47	-0.12	0.11	0.40	-0.13	0.02	1.20	-0.09	0.06	0.15	-0.39	0.07	
YP4GDK	0.49	0.20	0.68	0.36	-0.52	0.21	1.26	0.38	0.35	0.17	-0.16	0.00	
ZLC4PY	0.61	1.94		0.45	0.34		1.24	0.21		0.17	-0.16		

CI (SubTestCode 208)					Data units: Percent	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	0.48	0.41	1.21	0.18		
Median Abs Dev	0.02	0.03	0.04	0.03		
Avg Within Lab SD	0.03	0.03	0.06	0.03		
Labs Included	18	18	18	18		
Labs Reporting	19	19	19	19		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

TKN (SubTestCode 209)												Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	1.13	0.51	1.71	2.17	0.00	0.29	3.09	1.11	1.15	3.09	0.00	1.14	
7QB97Z	1.11	0.30	0.42	2.19	0.16	0.68	2.94	0.17	0.72	3.12	0.16	0.63	
8UDU46	1.00	-1.07	0.55	2.10	-0.69	0.00	2.73	-1.17	0.29	3.00	-0.52	0.46	
ALACYW	1.15	0.79	1.79	2.31	1.41	2.14	3.11	1.25	0.89	3.26	1.04	1.23	
D8CLGN	0.98	-1.31	0.59	2.09	-0.76	0.27	2.91	-0.03	0.13	3.04	-0.29	0.73	
KL97YD	1.04	-0.56	0.58	2.08	-0.86	0.10	2.74	-1.12	0.04	2.96	-0.77	0.41	
KQJ33M	0.62	-5.67X	7.86	1.46	-7.00X	5.52	1.93	-6.26X	2.07	2.41	-4.09X	3.41	
KQZF9B	1.21	1.48	1.06	2.34	1.67	1.17	2.92	0.00	2.20	3.47	2.28	1.75	
LE6LAM	0.99	-1.16	0.13	2.08	-0.93	1.30	2.70	-1.40	0.99	2.94	-0.89	0.59	
NJDZEC	1.09	0.02	1.06	2.16	-0.10	1.17	2.89	-0.17	1.01	3.05	-0.24	1.65	
QRZFXD	1.07	-0.22	1.06	2.18	0.07	0.74	2.98	0.38	1.05	3.19	0.58	0.77	
YCHF4T	1.09	0.00	0.54	2.25	0.79	0.92	3.01	0.63	0.57	3.20	0.65	0.40	

TKN (SubTestCode 209)					Data units: Percent	
	SRB1801		SRB1802		SRB1803	SRB1804
Grand Median	1.09		2.17		2.92	3.09
Median Abs Dev	0.05		0.08		0.10	0.10
Avg Within Lab SD	0.02		0.03		0.05	0.05
Labs Included	11		11		11	11
Labs Reporting	12		12		12	12



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

N- Dry Comb. (SubTestCode 210)

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	1.11	0.22	0.40	2.19	0.45	0.42	3.05	0.17	0.53	3.12	0.07	0.28
4NXA79	1.06	-0.54	1.28	2.18	0.26	0.84	3.05	0.12	0.82	3.11	-0.07	1.72
6Z92A9	0.99	-1.68	0.22	2.06	-1.16	1.70	2.95	-0.92	0.97	3.05	-0.80	0.24
ALACYW	1.11	0.17	0.17	2.29	1.64	0.14	3.21	1.90	0.07	3.26	1.67	0.08
B6WAQM	1.05	-0.82	0.26	2.14	-0.17	0.31	3.01	-0.27	0.23	3.09	-0.26	0.12
BKAJQQ	0.78	-4.90X	0.22	2.02	-1.64	0.71	2.98	-0.63	0.71	3.08	-0.42	1.61
C399BQ	1.03	-1.12	0.78	2.09	-0.77	1.11	2.92	-1.25	0.41	3.05	-0.76	0.74
CNPL2T	1.10	0.01	0.40	2.21	0.62	0.29	3.08	0.42	0.09	3.15	0.40	0.28
CUUCHD	1.15	0.71	0.10	3.37	14.53X	2.13	3.13	0.95	0.02	3.23	1.36	1.57
ENJQVR	1.10	0.00	3.85	2.13	-0.25	1.78	3.07	0.31	2.27	3.13	0.20	1.19
FE4GUC	0.98	-1.85	0.37	2.03	-1.48	1.42	3.01	-0.27	1.53	3.04	-0.84	0.66
G42FUD	1.07	-0.41	1.30	2.15	-0.05	1.24	3.00	-0.45	0.60	3.09	-0.26	0.83
KDBGFN	1.03	-1.03	0.19	2.13	-0.33	0.16	3.01	-0.35	0.57	3.12	-0.01	0.29
KTF3DR	1.10	0.00		2.10	-0.65		2.90	-1.50		3.00	-1.34	
LAWQZR	1.18	1.17	1.10	2.21	0.62	0.78	3.02	-0.23	0.49	3.11	-0.07	0.55
LE6LAM	1.01	-1.35	0.17	2.17	0.17	0.05	3.17	1.38	0.89	3.26	1.71	0.24
LWKX2D	1.04	-0.90	0.62	2.15	0.00	0.70	3.02	-0.19	0.78	3.08	-0.47	1.82
M2W4DD	1.24	2.09	0.34	2.22	0.78	0.31	3.06	0.27	2.05	3.11	-0.11	2.15
PCMCAK	1.10	0.00	0.22	2.17	0.19	0.62	3.05	0.09	0.30	3.12	0.01	0.43
PG2C7C	1.07	-0.51	0.26	2.12	-0.37	0.18	3.00	-0.42		3.06	-0.65	0.55
QEAHWE	1.04	-0.85	0.10	2.14	-0.15	0.25	3.00	-0.38	0.09	3.08	-0.41	0.30
QKE9DY	1.08	-0.31	0.77	2.19	0.43	0.93	3.03	-0.05	0.41	3.14	0.28	0.21
TAXTRJ	1.11	0.20	0.18	2.22	0.80	0.20	3.03	-0.08	0.16	3.16	0.53	0.41
XLNQAB	1.10	0.00	0.59	2.15	-0.01	0.64	3.05	0.13	0.00	3.12	0.08	0.32
YCHF4T	1.13	0.45	0.13	2.26	1.26	0.32	3.21	1.90	1.22	3.31	2.21	0.61
YP4GDK	1.07	-0.46	0.77	2.15	-0.09	0.47	3.04	0.05	0.23	3.12	0.05	0.00



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

N- Dry Comb. (SubTestCode 210)													Data units: Percent
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ZFE4Z8	1.18	1.20	0.28	2.35	2.35	0.63	3.26	2.44	0.08	3.30	2.17	0.37	
ZLC4PY	1.11	0.15	1.76	2.28	1.50	3.14	3.20	1.75	2.75	3.26	1.70	2.42	
N- Dry Comb. (SubTestCode 210)													Data units: Percent
	SRB1801			SRB1802			SRB1803			SRB1804			
Grand Median	1.10			2.15			3.04			3.12			
Median Abs Dev	0.03			0.04			0.03			0.04			
Avg Within Lab SD	0.05			0.03			0.05			0.05			
Labs Included	27			27			28			28			
Labs Reporting	28			28			28			28			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

SRB1801				SRB1802			SRB1803			SRB1804	
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
KDBGFN	0.15		1.00	0.20		1.00	0.35		1.00	0.23	1.00

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

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	0.15	0.20	0.35	0.23
Median Abs Dev				
Avg Within Lab SD	0.01	0.02	0.04	0.01
Labs Included	1	1	1	1
Labs Reporting	1	1	1	1



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

P (SubTestCode 212) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3WECRP	0.24	0.51	0.59	0.12	0.04	0.23	0.44	0.28	0.37	0.21	0.47	0.28	
4NXA79	0.20	-1.60	1.45	0.10	-1.76	0.09	0.38	-1.27	1.28	0.24	1.93	5.95	
6Z92A9	0.24	1.00	0.82	0.13	0.49	0.43	0.42	-0.34	0.31	0.21	0.23	0.33	
7A3CM2	0.23	0.33	0.89	0.12	0.17	0.09	0.46	0.71	0.57	0.21	0.36	0.08	
7QB97Z	0.23	0.18	0.00	0.12	-0.11	0.00	0.42	-0.26	0.00	0.20	-0.16	0.00	
8UDU46	0.22	-0.22	0.82	0.11	-0.71	0.43	0.42	-0.17	0.62	0.19	-0.54	0.67	
ALACYW	0.22	-0.71	1.14	0.11	-0.65	0.16	0.42	-0.31	0.20	0.19	-0.76	0.20	
B28ZB4	0.20	-1.57	0.04	0.10	-1.50	0.02	0.38	-1.18	0.15	0.18	-1.48	0.02	
B6WAQM	0.23	-0.06	0.65	0.12	-0.05	0.09	0.43	0.06	0.28	0.20	-0.27	0.55	
C399BQ	0.23	0.00	0.43	0.12	-0.29	0.15	0.41	-0.42	0.52	0.19	-0.58	0.15	
CUUCHD	0.22	-0.51	1.15	0.15	2.28	0.57	0.48	1.39	0.99	0.23	1.30	0.36	
D8CLGN	0.23	0.24	0.89	0.12	0.28	0.36	0.44	0.29	0.70	0.20	-0.04	0.36	
DF8AMR	0.22	-0.61	0.00	0.11	-1.00	0.00	0.41	-0.43	0.82	0.19	-0.93	0.33	
ENJQVR	0.21	-1.23	0.64	0.11	-0.79	0.33	0.43	-0.06	0.54	0.17	-1.62	0.92	
FE4GUC	0.22	-0.47	0.70	0.12	0.13	0.35	0.44	0.22	0.38	0.20	-0.04	0.21	
G42FUD	0.22	-0.43	0.00	0.12	-0.11	0.00	0.41	-0.52	0.00	0.20	-0.35	0.33	
JAXEVD	0.24	0.84	0.59	0.13	1.21	0.73	0.49	1.51	0.16	0.24	2.02	0.96	
KDBGFN	0.23	0.44	0.90	0.12	0.32	0.15	0.55	3.18X	1.01	0.20	0.09	0.31	
KL97YD	0.23	0.24	0.57	0.13	0.65	0.04	0.49	1.62	0.23	0.18	-1.36	0.17	
KQJ33M	0.27	2.40	1.99	0.10	-1.49	6.17	0.39	-1.05	4.68	0.27	3.75X	2.57	
KQZF9B	0.26	1.82	0.82	0.12	-0.11	0.75	0.39	-1.03	0.54	0.18	-1.13	0.88	
KTF3DR	0.23	0.18		0.11	-1.00		0.44	0.26		0.21	0.43		
LAWQZR	0.23	0.00	1.78	0.12	-0.02	0.40	0.42	-0.30	0.51	0.20	-0.17	0.23	
LE6LAM	0.22	-0.39	0.33	0.12	0.10	0.11	0.41	-0.63	0.22	0.20	-0.10	0.12	
LW6CRB	0.24	0.92	0.65	0.13	0.82	0.23	0.47	1.09	0.22	0.22	0.83	0.12	
LWKX2D	0.22	-0.25	1.98	0.12	0.33	0.26	0.43	0.06	0.73	0.20	-0.34	0.38	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

P (SubTestCode 212) in the Wet Digestion Property Groups													Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
M2W4DD	0.21	-1.24	2.17	0.10	-2.20	0.43	0.37	-1.64	1.73	0.14	-3.45X	1.20		
NJDZEC	0.22	-0.43	0.00	0.11	-0.71	0.43	0.36	-1.72	0.31	0.19	-0.74	0.00		
NK6KY3	0.24	0.53	1.69	0.13	0.43	0.13	0.45	0.52	2.67	0.21	0.60	0.25		
P28MC2	0.22	-0.51	1.70	0.12	0.16	0.27	0.45	0.60	0.59	0.21	0.39	0.41		
PCMCAK	0.22	-0.43	1.42	0.12	-0.41	0.43	0.45	0.43	0.82	0.20	0.04	0.33		
PG2C7C	0.24	0.80	0.00	0.13	0.49	0.43	0.46	0.69	0.31	0.21	0.43	0.00		
QEAHWE	0.22	-0.21	0.39	0.12	0.02	0.12	0.42	-0.15	0.11	0.19	-0.54	0.14		
QKE9DY	0.23	-0.02	1.64	0.13	0.49	0.43	0.43	0.00	0.54	0.20	0.04	0.33		
QRZFXD	0.22	-0.47	0.70	0.12	-0.53	0.48	0.42	-0.20	0.54	0.19	-0.60	0.19		
R3VWZB	0.26	1.94	1.45	0.14	1.57	0.38	0.50	1.90	0.30	0.23	1.71	0.15		
R3VWZY	0.23	0.35	0.70	0.12	-0.38	0.15	0.44	0.15	0.54	0.21	0.45	0.64		
TAXTRJ	0.24	0.49	0.14	0.13	1.15	0.15	0.47	1.15	0.22	0.22	0.81	0.24		
V68HH4	0.24	1.06	0.50	0.14	1.57	0.81	0.45	0.52	0.38	0.22	1.01	0.06		
XLNQAB	0.23	0.02	0.16	0.12	-0.26	0.11	0.43	-0.10	0.11	0.20	-0.19	0.07		
YCHF4T	0.24	1.05	0.61	0.13	0.68	0.05	0.47	1.05	0.20	0.21	0.62	0.04		
YP4GDK	0.22	-0.43	0.00	0.12	-0.11	0.00	0.42	-0.34	0.31	0.20	0.04	0.33		
ZFE4Z8	0.25	1.71	0.30	0.14	1.75	0.14	0.50	1.86	0.57	0.23	1.85	0.09		
ZLC4PY	0.21	-0.84	0.82	0.12	-0.41	0.43	0.41	-0.52	0.54	0.19	-0.74	0.00		

P (SubTestCode 212) in the Wet Digestion Property Groups					Data units: Percent	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	0.23	0.12	0.43	0.20		
Median Abs Dev	0.01	0.01	0.02	0.01		
Avg Within Lab SD	0.01	0.01	0.02	0.02		
Labs Included	44	44	43	42		
Labs Reporting	44	44	44	44		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	1.59	-0.91	0.87	1.40	-0.50	0.76	4.81	-0.73	0.26	1.98	-0.43	0.45
4NXA79	1.46	-1.80	0.57	1.34	-0.98	1.12	4.44	-1.42	0.62	1.81	-1.37	0.80
6Z92A9	1.62	-0.68	0.55	1.37	-0.74	0.56	4.34	-1.60	0.39	2.03	-0.15	0.52
7A3CM2	1.82	0.68	1.77	1.57	0.86	2.03	5.18	-0.07	1.03	2.20	0.83	1.18
7QB97Z	1.71	-0.12	0.95	1.40	-0.47	0.12	5.38	0.30	0.22	1.99	-0.36	0.59
8UDU46	1.77	0.29	1.10	1.47	0.04	1.22	5.23	0.04	0.64	1.97	-0.49	1.97
ALACYW	1.64	-0.58	0.35	1.45	-0.07	0.35	5.22	0.00	0.30	2.00	-0.32	0.32
B28ZB4	1.60	-0.84	0.09	1.33	-1.06	0.08	4.94	-0.51	0.17	1.87	-1.04	0.04
B6WAQM	1.71	-0.13	1.11	1.46	0.00	0.12	5.16	-0.10	0.91	1.99	-0.35	0.85
C399BQ	1.73	0.05	0.32	1.48	0.15	0.13	4.73	-0.89	0.36	1.96	-0.52	0.26
CUUCHD	1.75	0.17	0.92	1.69	1.80	1.22	5.67	0.84	0.09	2.31	1.43	1.08
D8CLGN	1.74	0.08	0.58	1.49	0.20	0.53	5.39	0.33	0.85	2.07	0.11	0.76
DF8AMR	1.52	-1.38	0.33	1.24	-1.79	0.73	4.76	-0.83	0.64	1.88	-0.95	0.98
ENJQVR	1.55	-1.18	0.76	1.35	-0.89	1.77	4.89	-0.59	0.88	1.74	-1.77	0.58
FE4GUC	1.61	-0.79	0.79	1.47	0.06	0.73	4.91	-0.56	0.50	2.02	-0.21	0.15
G42FUD	1.50	-1.54	0.39	1.32	-1.14	0.56	4.65	-1.04	0.56	1.90	-0.88	0.61
JAXEVD	1.89	1.12	0.83	1.63	1.35	2.44	5.90	1.25	0.36	2.38	1.83	2.71
KDBGFN	1.98	1.73	2.28	1.73	2.15	1.61	6.24	1.87	1.12	2.33	1.55	2.86
KL97YD	1.80	0.49	0.62	1.36	-0.81	0.17	5.41	0.37	0.47	2.05	-0.02	0.38
KQJ33M	1.77	0.33	2.39	1.49	0.23	2.96	5.63	0.75	3.08	2.12	0.35	2.38
KQZF9B	1.57	-1.04	0.19	1.41	-0.45	0.32	5.42	0.38	1.45	2.13	0.43	0.98
KTF3DR	1.66	-0.43		1.38	-0.66		5.61	0.73		2.06	0.04	
LAWQZR	1.66	-0.43	0.38	1.43	-0.23	0.44	5.16	-0.09	0.52	2.06	0.02	0.30
LE6LAM	1.76	0.26	0.56	1.46	0.00	0.43	5.03	-0.34	0.30	2.10	0.26	0.35
LW6CRB	1.78	0.38	0.66	1.50	0.33	0.61	5.21	-0.01	0.82	2.07	0.09	0.34
LWKX2D	1.81	0.55	1.20	1.55	0.69	1.15	5.68	0.85	1.15	2.11	0.31	0.90



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K (SubTestCode 213) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2W4DD	1.72	-0.05	1.42	1.43	-0.26	0.92	4.94	-0.50	1.18	1.72	-1.87	1.90	
NJDZEC	1.54	-1.22	0.67	1.22	-1.92	0.32	4.47	-1.36	0.67	1.64	-2.30	0.20	
NK6KY3	1.77	0.33	1.76	1.50	0.31	0.64	5.33	0.22	3.81	2.08	0.17	0.37	
P28MC2	1.85	0.85	1.93	1.61	1.19	0.42	6.12	1.66	0.78	2.29	1.32	1.13	
PCMCAK	1.77	0.29	0.44	1.51	0.39	0.56	5.31	0.17	0.26	2.09	0.18	0.37	
PG2C7C	1.49	-1.58	0.19	1.26	-1.63	0.21	3.97	-2.27	0.37	1.71	-1.92	0.00	
QEAHWE	1.67	-0.36	0.78	1.45	-0.09	0.44	5.21	0.00	0.04	1.97	-0.46	0.52	
QKE9DY	1.75	0.15	0.39	1.51	0.36	0.24	5.22	0.01	0.64	2.08	0.17	0.58	
QRZFXD	1.52	-1.40	1.04	1.28	-1.44	1.60	4.87	-0.62	1.40	1.80	-1.42	1.13	
R3VWZB	1.80	0.53	1.61	1.52	0.44	1.49	5.69	0.87	0.22	2.15	0.54	0.56	
R3VWZY	1.83	0.74	0.44	1.45	-0.12	0.74	5.24	0.05	0.12	2.13	0.43	0.13	
TAXTRJ	1.58	-0.98	0.32	1.57	0.86	0.05	4.63	-1.07	0.02	2.08	0.17	0.08	
V68HH4	1.65	-0.52	1.26	1.51	0.39	0.73	4.87	-0.62	1.17	2.05	-0.04	0.52	
XLNQAB	1.78	0.35	0.11	1.45	-0.12	0.53	5.49	0.51	0.76	2.03	-0.15	0.07	
YCHF4T	1.84	0.80	0.32	1.59	1.00	0.14	5.74	0.97	0.15	2.19	0.78	0.19	
YP4GDK	1.74	0.08	0.11	1.50	0.28	0.61	5.23	0.04	0.09	2.10	0.24	0.61	
ZFE4Z8	1.84	0.78	0.25	1.56	0.80	0.44	5.88	1.22	0.45	2.21	0.88	0.19	
ZLC4PY	1.62	-0.68	1.37	1.41	-0.42	0.56	4.67	-1.00	0.08	1.96	-0.54	0.61	

K (SubTestCode 213) in the Wet Digestion Property Groups					Data units: Percent			
	SRB1801		SRB1802		SRB1803		SRB1804	
Grand Median	1.72		1.46		5.21		2.05	
Median Abs Dev	0.08		0.06		0.33		0.08	
Avg Within Lab SD	0.05		0.05		0.18		0.08	
Labs Included	44		44		44		44	
Labs Reporting	44		44		44		44	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca (SubTestCode 214) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	0.26	1.30	0.75	2.56	0.25	0.45	0.73	0.47	1.18	2.60	0.45	0.56
4NXA79	0.21	-0.11	0.34	2.31	-0.80	0.09	0.57	-1.64	0.37	2.17	-1.35	0.71
6Z92A9	0.26	1.13	0.45	2.46	-0.18	0.48	0.71	0.20	0.60	2.32	-0.74	0.41
7A3CM2	0.23	0.48	0.34	2.61	0.46	1.34	0.70	0.11	1.77	2.58	0.37	0.67
7QB97Z	0.24	0.56	1.81	2.62	0.48	0.61	0.70	0.11	0.53	2.50	0.04	0.20
8UDU46	0.14	-2.23	0.00	2.50	-0.01	1.19	0.61	-1.05	0.73	2.37	-0.52	2.36
ALACYW	0.21	-0.27	0.77	2.74	0.98	0.42	0.66	-0.44	0.19	2.60	0.47	0.32
B28ZB4	0.21	-0.12	0.06	2.38	-0.53	0.05	0.65	-0.52	0.09	2.31	-0.76	0.05
B6WAQM	0.23	0.41	0.12	2.81	1.30	0.65	0.72	0.36	0.81	2.66	0.71	1.46
C399BQ	0.23	0.30	0.09	2.47	-0.12	0.24	0.67	-0.37	0.70	2.41	-0.35	0.21
CUUCHD	0.23	0.23	0.53	2.88	1.59	0.89	0.74	0.63	0.31	2.69	0.85	0.54
D8CLGN	0.23	0.32	0.50	2.66	0.64	1.21	0.72	0.30	1.05	2.56	0.28	1.18
DF8AMR	0.19	-0.79	0.00	2.07	-1.84	0.69	0.60	-1.22	0.00	2.17	-1.37	0.59
ENJQVR	0.18	-1.21	0.31	2.21	-1.24	1.40	0.60	-1.18	0.47	2.10	-1.65	0.91
FE4GUC	0.21	-0.33	0.27	2.40	-0.45	1.34	0.68	-0.22	0.46	2.31	-0.75	0.31
G42FUD	0.20	-0.40	0.45	2.37	-0.55	0.34	0.62	-0.92	0.53	2.33	-0.69	0.33
JAXEVD	0.22	0.10	0.69	2.77	1.13	0.77	0.72	0.27	0.69	2.60	0.47	0.74
KDBGFN	0.27	1.45	0.67	3.12	2.58	0.94	0.81	1.45	0.71	2.93	1.85	1.15
KL97YD	0.20	-0.49	0.90	2.45	-0.21	0.16	0.73	0.40	0.95	2.71	0.94	0.58
KQJ33M	0.16	-1.58	2.11	2.30	-0.85	4.27	0.57	-1.60	2.52	2.22	-1.16	3.29
KQZF9B	0.30	2.48	3.17	2.51	0.04	0.42	0.79	1.19	1.07	2.43	-0.24	1.38
KTF3DR	0.20	-0.50		2.48	-0.10		0.63	-0.84		2.57	0.34	
LAWQZR	0.22	0.21	0.73	2.44	-0.26	0.54	0.67	-0.34	0.54	2.43	-0.25	0.18
LE6LAM	0.22	-0.05	0.25	2.41	-0.38	0.64	0.63	-0.80	0.24	2.41	-0.33	0.35
LW6CRB	0.21	-0.25	0.46	2.45	-0.22	1.14	0.68	-0.18	0.07	2.44	-0.20	1.12
LWKX2D	0.24	0.61	0.18	2.84	1.43	0.97	0.75	0.69	1.67	2.62	0.56	1.44



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca (SubTestCode 214) in the Wet Digestion Property Groups													Data units: Percent
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2W4DD	0.25	0.85	0.45	2.40	-0.43	1.14	0.64	-0.71	0.92	1.96	-2.26	1.80	
NJDZEC	0.14	-2.23	3.59	2.71	0.88	0.97	0.67	-0.27	1.65	2.59	0.41	1.06	
NK6KY3	0.20	-0.55	0.93	2.44	-0.28	0.30	0.62	-1.01	2.16	2.34	-0.64	0.51	
P28MC2	0.22	0.05	0.80	2.73	0.97	0.50	0.76	0.87	0.26	2.74	1.05	0.97	
PCMCAK	0.22	0.17	0.91	2.68	0.73	0.42	0.71	0.24	0.20	2.58	0.40	0.31	
PG2C7C	0.21	-0.21	0.00	2.50	0.00	0.07	0.65	-0.53	0.20	2.41	-0.35	0.12	
QEAHWE	0.25	1.07	0.96	2.51	0.05	0.66	0.72	0.38	0.70	2.34	-0.62	0.38	
QKE9DY	0.05	-4.94X	5.70	2.50	0.00	0.66	0.49	-2.61	2.97	2.38	-0.48	0.96	
QRZFXD	0.25	1.04	0.45	2.42	-0.36	1.31	0.72	0.33	1.05	2.33	-0.69	0.82	
R3VWZB	0.21	-0.09	0.30	2.65	0.60	0.66	0.73	0.41	0.46	2.53	0.18	0.48	
R3VWZY	0.21	-0.09	0.30	2.65	0.60	0.66	0.73	0.41	0.46	2.53	0.18	0.48	
TAXTRJ	0.22	0.16	0.48	2.79	1.20	0.12	0.71	0.17	0.11	2.63	0.57	0.22	
V68HH4	0.19	-0.88	0.91	2.44	-0.25	0.56	0.72	0.29	0.81	2.49	0.00	1.57	
YCHF4T	0.22	0.09	0.17	2.63	0.55	0.11	0.69	0.00	0.13	2.52	0.11	0.28	
YP4GDK	0.18	-1.08	0.00	2.55	0.21	0.61	0.65	-0.62	0.20	2.49	0.01	0.52	
ZFE4Z8	0.26	1.26	0.34	3.10	2.52	0.44	0.81	1.47	0.63	3.03	2.28	0.33	
ZLC4PY	0.20	-0.60	0.45	2.33	-0.71	0.85	0.60	-1.18	0.53	2.24	-1.05	0.59	

Ca (SubTestCode 214) in the Wet Digestion Property Groups					Data units: Percent
	SRB1801	SRB1802	SRB1803	SRB1804	
Grand Median	0.22	2.50	0.69	2.49	
Median Abs Dev	0.02	0.13	0.04	0.12	
Avg Within Lab SD	0.01	0.08	0.03	0.10	
Labs Included	42	43	43	43	
Labs Reporting	43	43	43	43	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg (SubTestCode 215) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	0.10	0.27	0.63	0.45	0.05	0.84	0.38	-1.03	0.32	0.48	-0.37	1.27
4NXA79	0.09	-0.84	1.18	0.42	-0.92	0.46	0.37	-1.06	0.30	0.47	-0.78	0.67
6Z92A9	0.12	2.73	1.13	0.48	0.73	0.46	0.42	0.42	0.45	0.51	0.28	0.76
7A3CM2	0.10	-0.09	0.64	0.44	-0.30	0.65	0.40	-0.15	0.79	0.49	-0.26	0.44
7QB97Z	0.11	1.17	1.96	0.48	0.83	0.81	0.44	1.13	1.62	0.53	0.79	0.76
8UDU46	0.10	0.00	0.00	0.44	-0.24	0.46	0.40	-0.05	0.90	0.48	-0.40	1.74
ALACYW	0.10	-0.50	0.24	0.45	-0.10	0.31	0.41	0.16	0.13	0.48	-0.33	0.25
B28ZB4	0.10	-0.34	0.09	0.41	-1.12	0.20	0.37	-1.28	0.05	0.45	-1.16	0.35
B6WAQM	0.10	0.23	0.52	0.46	0.38	0.20	0.41	0.22	0.39	0.50	0.04	1.33
C399BQ	0.10	0.12	0.20	0.44	-0.44	0.25	0.39	-0.40	0.51	0.47	-0.61	0.25
CUUCHD	0.11	0.66	1.63	0.50	1.45	1.44	0.43	0.97	0.71	0.55	1.32	0.84
D8CLGN	0.11	0.59	0.90	0.47	0.64	0.99	0.42	0.70	1.13	0.52	0.55	1.19
DF8AMR	0.09	-1.17	0.00	0.37	-2.48	0.34	0.36	-1.60	1.33	0.45	-1.26	1.07
ENJQVR	0.08	-2.04	0.05	0.40	-1.63	1.58	0.36	-1.44	1.16	0.42	-1.91	1.49
FE4GUC	0.10	-0.43	0.60	0.46	0.11	1.23	0.41	0.05	0.90	0.50	0.06	0.51
G42FUD	0.09	-1.17	0.00	0.40	-1.51	0.81	0.35	-1.82	0.45	0.45	-1.17	0.66
JAXEVD	0.10	0.00	0.52	0.49	1.05	2.00	0.42	0.53	0.50	0.54	1.16	1.57
KDBGFN	0.13	3.14X	0.64	0.59	3.98X	2.75	0.54	4.84X	1.49	0.64	3.62X	1.57
KL97YD	0.09	-1.14	0.73	0.47	0.41	0.59	0.42	0.42	0.88	0.52	0.56	0.52
KQJ33M	0.09	-0.75	0.96	0.44	-0.40	1.83	0.40	-0.30	2.56	0.48	-0.37	1.86
KQZF9B	0.09	-1.17	1.96	0.41	-1.12	0.46	0.39	-0.64	1.19	0.45	-1.17	0.66
KTF3DR	0.10	0.00		0.45	-0.05		0.41	0.19		0.53	0.87	
LAWQZR	0.10	0.27	0.30	0.44	-0.21	1.35	0.40	-0.21	0.52	0.50	0.05	0.82
LE6LAM	0.11	1.01	0.74	0.45	0.07	0.16	0.41	0.11	0.76	0.51	0.32	1.11
LW6CRB	0.10	-0.09	0.34	0.44	-0.46	0.72	0.39	-0.61	0.05	0.47	-0.67	0.55
LWKX2D	0.11	0.82	0.42	0.48	0.76	1.17	0.43	0.74	1.48	0.51	0.24	1.27



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg (SubTestCode 215) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2W4DD	0.10	0.00	1.96	0.44	-0.44	1.68	0.37	-1.23	1.35	0.41	-2.19	2.37	
NJDZEC	0.11	0.78	1.13	0.48	0.73	1.23	0.43	0.90	0.78	0.51	0.28	1.01	
NK6KY3	0.10	-0.30	1.13	0.44	-0.37	0.61	0.38	-0.87	3.08	0.48	-0.47	0.71	
P28MC2	0.11	0.66	1.00	0.49	1.21	0.45	0.45	1.69	0.83	0.55	1.30	1.39	
PCMCAK	0.09	-0.78	1.13	0.50	1.31	0.93	0.40	-0.05	0.45	0.52	0.62	0.66	
PG2C7C	0.10	0.00	0.00	0.42	-1.02	0.46	0.39	-0.64	0.45	0.45	-1.08	0.38	
QEAHWE	0.11	1.03	0.76	0.46	0.22	0.63	0.41	0.25	0.59	0.49	-0.04	0.28	
QKE9DY	0.10	0.00	3.39	0.44	-0.34	0.81	0.39	-0.64	1.19	0.48	-0.40	1.32	
QRZFXD	0.11	1.56	1.13	0.44	-0.44	1.68	0.40	-0.05	1.19	0.47	-0.57	1.01	
R3VWZB	0.10	0.31	0.56	0.46	0.20	1.82	0.41	0.21	0.24	0.50	0.21	0.24	
R3VWZY	0.10	0.31	0.56	0.46	0.20	1.82	0.41	0.21	0.24	0.50	0.21	0.24	
TAXTRJ	0.11	1.01	0.30	0.49	1.20	0.52	0.45	1.68	0.21	0.53	0.93	0.47	
V68HH4	0.11	0.83	0.48	0.44	-0.42	0.49	0.41	0.21	0.16	0.48	-0.32	0.76	
YCHF4T	0.10	0.16	0.14	0.47	0.44	0.23	0.42	0.49	0.10	0.51	0.26	0.37	
YP4GDK	0.10	0.00	0.00	0.46	0.15	0.93	0.40	-0.05	0.45	0.50	0.11	1.14	
ZFE4Z8	0.12	1.78	0.21	0.49	0.99	0.61	0.45	1.75	0.96	0.55	1.38	0.70	
ZLC4PY	0.09	-1.17	0.00	0.41	-1.22	0.81	0.37	-1.23	0.78	0.45	-1.25	0.76	

Mg (SubTestCode 215) in the Wet Digestion Property Groups					Data units: Percent			
	SRB1801		SRB1802		SRB1803		SRB1804	
Grand Median	0.10		0.45		0.40		0.50	
Median Abs Dev	0.01		0.02		0.02		0.02	
Avg Within Lab SD	0.01		0.01		0.01		0.02	
Labs Included	42		42		42		42	
Labs Reporting	43		43		43		43	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

S (SubTestCode 216) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	0.11	-0.11	0.16	0.19	0.02	0.28	0.35	-0.23	0.17	0.21	0.19	0.30
4NXA79	0.11	-0.34	0.72	0.17	-1.30	0.14	0.36	-0.01	0.36	0.18	-1.22	0.50
6Z92A9	0.12	0.53	0.46	0.18	-0.62	0.46	0.36	0.02	0.69	0.19	-0.78	0.00
7A3CM2	0.11	0.03	0.38	0.18	-0.39	0.49	0.37	0.29	1.00	0.20	-0.36	0.79
7QB97Z	0.11	-0.22	0.00	0.18	-0.42	0.00	0.36	-0.10	0.40	0.20	-0.31	0.00
8UDU46	0.11	-0.22	0.00	0.17	-0.83	0.46	0.35	-0.21	0.40	0.19	-0.78	0.94
ALACYW	0.11	-0.62	0.35	0.18	-0.42	0.18	0.35	-0.30	0.27	0.19	-0.73	0.44
B28ZB4	0.10	-1.11	0.07	0.18	-0.59	0.03	0.33	-1.10	0.09	0.19	-0.63	0.13
B6WAQM	0.11	-0.44	0.56	0.19	-0.02	0.12	0.36	-0.05	0.38	0.20	-0.43	0.77
BKAJQQ	0.11	-0.22	0.00	0.18	-0.42	0.80	0.36	-0.10	0.40	0.20	-0.47	1.09
C399BQ	0.12	0.49	0.20	0.18	-0.29	0.08	0.35	-0.17	0.38	0.20	-0.45	0.19
CUUCHD	0.12	0.72	0.45	0.24	3.47X	1.42	0.40	1.47	0.53	0.24	1.68	0.67
D8CLGN	0.11	-0.33	0.29	0.21	1.16	0.72	0.36	0.05	0.76	0.22	0.53	0.66
DF8AMR	0.10	-1.38	0.09	0.15	-2.29	0.00	0.33	-1.12	0.80	0.17	-1.71	0.00
ENJQVR	0.10	-1.43	0.13	0.18	-0.46	0.29	0.34	-0.82	0.69	0.18	-1.36	0.37
FE4GUC	0.11	-0.11	0.08	0.18	-0.21	0.40	0.37	0.43	0.29	0.20	-0.47	0.38
G42FUD	0.11	-0.22	0.00	0.19	0.00	0.46	0.36	-0.10	0.40	0.20	-0.16	0.54
KDBGFN	0.12	1.09	0.32	0.20	0.56	2.30	0.37	0.40	0.74	0.23	0.95	0.19
KL97YD	0.10	-1.08	0.34	0.21	1.72	0.17	0.41	1.77	0.78	0.24	1.52	0.69
KQJ33M	0.13	2.30	5.95	0.19	0.38	5.12	0.34	-0.56	2.53	0.24	1.56	4.37
KQZF9B	0.12	0.90	0.80	0.19	0.42	1.23	0.40	1.26	3.47	0.21	0.00	3.31
KTF3DR	0.11	0.12		0.18	-0.17		0.37	0.46		0.21	0.02	
LAWQZR	0.11	-0.67	0.37	0.19	0.50	0.67	0.34	-0.59	0.68	0.21	0.28	0.91
LE6LAM	0.12	0.72	0.09	0.20	0.60	0.30	0.36	-0.10	0.29	0.22	0.64	0.22
LW6CRB	0.11	-0.03	0.36	0.20	0.60	0.26	0.39	0.92	0.35	0.22	0.48	0.34
LWKX2D	0.10	-1.06	0.41	0.17	-1.26	0.36	0.33	-1.06	0.46	0.18	-1.46	0.33



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

S (SubTestCode 216) in the Wet Digestion Property Groups													Data units: Percent
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2W4DD	0.10	-1.71	0.46	0.13	-3.33X	0.93	0.30	-2.14	2.22	0.13	-3.57X	1.63	
NK6KY3	0.12	0.38	0.32	0.19	0.02	0.43	0.37	0.19	2.75	0.21	-0.06	0.57	
P28MC2	0.11	0.08	0.56	0.20	1.04	0.81	0.40	1.30	0.69	0.22	0.61	0.85	
PCMCAK	0.11	0.16	0.46	0.19	0.00	0.46	0.38	0.81	0.40	0.21	0.16	0.00	
PG2C7C	0.12	0.90	0.00	0.21	1.46	0.00	0.38	0.58	0.40	0.23	1.09	0.00	
QEAHWE	0.11	0.03	0.01	0.21	1.37	0.42	0.36	0.01	0.78	0.22	0.76	0.53	
QKE9DY	0.11	-0.59	0.92	0.18	-0.62	0.46	0.33	-1.01	0.69	0.19	-0.78	0.94	
QRZFXD	0.12	0.53	0.46	0.18	-0.42	0.00	0.35	-0.21	0.40	0.19	-0.93	0.54	
R3VWZB	0.12	0.49	0.39	0.19	0.21	0.32	0.39	1.17	0.48	0.21	0.23	0.11	
R3VWZY	0.12	0.49	0.39	0.19	0.21	0.32	0.39	1.17	0.48	0.21	0.23	0.11	
TAXTRJ	0.12	0.38	0.12	0.21	1.39	0.79	0.39	1.17	0.25	0.21	0.36	0.42	
V68HH4	0.12	0.79	0.31	0.19	0.12	0.48	0.37	0.36	0.22	0.21	0.22	0.11	
YCHF4T	0.12	0.96	0.08	0.19	0.49	0.08	0.39	1.13	0.15	0.21	0.13	0.14	
YP4GDK	0.10	-1.34	0.00	0.17	-1.04	0.00	0.32	-1.35	0.00	0.18	-1.09	0.54	
ZFE4Z8	0.13	2.08	0.10	0.21	1.69	0.15	0.40	1.27	0.70	0.23	1.11	0.17	
ZLC4PY	0.10	-0.97	0.46	0.17	-1.25	0.46	0.34	-0.78	0.40	0.19	-0.78	0.00	

S (SubTestCode 216) in the Wet Digestion Property Groups					Data units: Percent
	SRB1801	SRB1802	SRB1803	SRB1804	
Grand Median	0.11	0.19	0.36	0.21	
Median Abs Dev	0.00	0.01	0.02	0.01	
Avg Within Lab SD	0.01	0.01	0.01	0.01	
Labs Included	42	40	42	41	
Labs Reporting	42	42	42	42	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na (SubTestCode 217) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	0.051	-0.856	0.201	0.013	0.469	0.039	0.009	0.385	0.297	0.025	0.050	0.082
4NXA79	0.050	-1.123	0.828	0.014	0.521	0.207	0.011	0.727	0.673	0.025	0.171	0.230
6Z92A9	0.060	1.030	0.000	0.020	1.927	0.000	0.010	0.537	0.000	0.030	0.937	0.000
7A3CM2	0.054	-0.202	1.081	0.011	0.007	0.237	0.008	-0.050	2.131	0.023	-0.217	0.189
ALACYW	0.047	-1.784	0.424	0.010	-0.258	0.173	0.005	-0.724	0.000	0.020	-0.691	0.000
B28ZB4	0.054	-0.332	0.327	0.016	1.128	0.039	0.026	4.945X	0.961	0.041	2.744	0.163
B6WAQM	0.054	-0.141	0.931	0.011	-0.156	0.467				0.046	3.527	4.181
C399BQ	0.059	0.820	0.595	0.016	1.034	0.186	0.011	0.898	0.539	0.029	0.772	0.358
CUUCHD	0.056	0.189	2.477	0.012	0.141	0.186	0.008	0.086	0.539	0.027	0.441	0.135
D8CLGN	0.060	1.101	1.206	0.073	13.684X	1.674	0.013	1.440	3.772	0.065	6.669X	0.436
DF8AMR	0.049	-1.354	0.198	0.009	-0.528	0.000	0.006	-0.546	0.000	0.021	-0.551	0.135
ENJQVR	0.046	-1.978	0.281	0.009	-0.432	0.126	0.005	-0.798	0.088	0.020	-0.796	0.141
FE4GUC	0.052	-0.583	0.525	0.011	-0.082	0.000				0.024	-0.110	0.156
JAXEVD	0.055	0.049	0.397	0.011	-0.082	0.000				0.024	0.000	0.207
KDBGFN	0.057	0.350	1.428	0.013	0.350	0.259	0.008	0.000	1.301	0.025	0.068	0.280
KQJ33M	0.067	2.592X	8.747	0.034	5.134	5.328	0.033	6.721X	25.635	0.043	3.035	3.395
LAWQZR	0.054	-0.232	0.687	0.012	0.141	0.186	0.009	0.357	1.426	0.024	-0.055	0.135
LE6LAM	0.053	-0.442	0.344	0.010	-0.379	0.107	0.005	-0.908	0.539	0.021	-0.496	0.078
LW6CRB	0.056	0.084	0.119	0.010	-0.208	0.043	0.006	-0.601	0.093	0.022	-0.342	0.051
LWKX2D	0.057	0.361	0.641	0.012	0.249	0.131	0.008	0.086	0.868	0.025	0.117	0.070
M2W4DD	0.063	1.732	1.983	0.020	1.927	0.000	0.020	3.246	0.000	0.030	0.937	0.000
NK6KY3	0.052	-0.695	1.390	0.009	-0.432	0.021	0.005	-0.691	0.842	0.020	-0.645	0.068
P28MC2	0.059	0.855	1.241	0.011	0.000	0.011	0.007	-0.328	0.297	0.027	0.369	0.233
PCMCAK	0.057	0.329	1.983	0.010	-0.305	0.000	0.010	0.537	0.000	0.027	0.386	0.782
PG2C7C	0.051	-0.933	0.397	0.008	-0.826	0.107	0.006	-0.546	0.933	0.018	-0.992	0.207
QRZFXD	0.053	-0.372	1.983	0.013	0.439	1.071	0.010	0.537	0.000	0.023	-0.165	0.782



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent
WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
R3VWZB	0.058	0.596	0.555	0.011	-0.089	0.102	0.006	-0.492	0.093	0.024	-0.061	0.048
R3VWZY	0.058	0.596	0.555	0.011	-0.089	0.102	0.006	-0.492	0.093	0.024	-0.061	0.048
YCHF4T	0.055	0.000	0.148	0.011	-0.173	0.026	0.006	-0.543	0.147	0.023	-0.251	0.078
YP4GDK	0.052	-0.723	0.198	0.009	-0.454	0.107	0.005	-0.817	0.000	0.022	-0.331	0.207
ZFE4Z8	0.058	0.528	0.367	0.014	0.500	0.116	0.008	0.038	0.573	0.028	0.601	0.083
ZLC4PY	0.058	0.539	0.397	0.022	2.448	0.915	0.015	1.801	0.539	0.030	0.992	0.341

Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent
	SRB1801			SRB1802			SRB1803			SRB1804		
Grand Median	0.055			0.011			0.008			0.024		
Median Abs Dev	0.003			0.002			0.002			0.002		
Avg Within Lab SD	0.003			0.005			0.001			0.007		
Labs Included	31			31			27			31		
Labs Reporting	32			32			29			32		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4NXA79	70.8	6.0X	12.8	1,709.3	14.6X	27.6	2,230.3	14.3X	14.2	499.5	15.9X	5.3
6Z92A9	6.0	-1.0	0.4	144.3	-1.6	0.0	222.7	-1.5	0.2	69.7	-1.4	0.4
ALACYW	17.8	0.3	0.6	387.7	0.9	0.6	489.2	0.6	0.3	123.4	0.8	1.2
CUUCHD	17.6	0.2	1.0	380.0	0.8	0.5	475.0	0.5	1.0	125.1	0.8	1.1
ENJQVR	17.5	0.2	0.6	223.0	-0.8	0.5	329.7	-0.7	0.6	86.4	-0.7	1.1
JAXEVD				299.7	0.0	0.5	394.3	-0.1	0.3	108.7	0.2	1.1
KDBGFN	30.6	1.6	1.8	509.8	2.2	2.3	659.2	1.9	0.9	143.2	1.6	1.2
KQJ33M	27.2	1.3	1.2	404.8	1.1	2.7	497.3	0.7	0.7	126.8	0.9	1.8
LAWQZR	13.0	-0.3	1.9	227.9	-0.7	0.1	296.5	-0.9	0.7	92.7	-0.5	0.5
LE6LAM	20.9	0.6	0.4	349.6	0.5	0.3	439.2	0.2	0.5	104.0	0.0	0.1
LW6CRB	10.7	-0.5	0.2	271.0	-0.3	0.0	368.7	-0.3	0.3	99.1	-0.2	0.1
LWKX2D	11.3	-0.4	0.4	280.8	-0.2	0.8	416.0	0.0	1.6	103.7	0.0	1.6
M2W4DD	4.0	-1.2		132.0	-1.7	0.6	189.3	-1.8	1.1	37.7	-2.7	0.9
NK6KY3	11.0	-0.5	0.8	263.0	-0.4	0.2	347.3	-0.5	2.3	97.7	-0.3	0.4
P28MC2	11.6	-0.4	0.5	280.3	-0.2	0.5	412.3	0.0	1.1	107.7	0.1	0.7
PCMCAK	30.7	1.6	1.7	298.3	0.0	0.6	279.0	-1.1	0.9	78.7	-1.0	1.1
PG2C7C	17.0	0.2		342.0	0.5	0.3	490.0	0.6	0.5	101.7	-0.1	0.4
QRZFXD	16.0	0.1	1.4	259.0	-0.4	0.2	374.2	-0.3	0.8	114.9	0.4	1.6
R3VWZB	14.9	-0.1	0.7	317.7	0.2	1.4	483.3	0.6	1.0	117.7	0.5	0.6
R3VWZY	14.9	-0.1	0.7	317.7	0.2	1.4	483.3	0.6	1.0	117.7	0.5	0.6
YCHF4T	4.5	-1.2	0.7	247.2	-0.5	0.1	352.0	-0.5	0.2	94.1	-0.4	0.4
ZLC4PY	32.1	1.8	0.6	387.1	0.9	1.3	516.6	0.8	1.7	128.1	1.0	1.1



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

AI (SubTestCode 218) in the Wet Digestion Property Groups					Data units: mg/kg
	SRB1801	SRB1802	SRB1803	SRB1804	
Grand Median	15.4	298.3	412.3	104.0	
Median Abs Dev	4.2	51.1	71.0	13.6	
Avg Within Lab SD	2.2	22.4	18.4	7.7	
Labs Included	20	21	21	21	
Labs Reporting	21	22	22	22	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B (SubTestCode 219) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	4.4	1.2	2.0	123.7	0.8	1.2	20.0	1.1	1.0	76.2	1.0	0.3
4NXA79	2.6	0.0	2.1	103.4	-0.8	0.3	15.2	-0.4	0.3	61.3	-1.2	0.1
6Z92A9	3.3	0.4	1.0	110.0	-0.3	0.4	18.7	0.7	0.5	70.0	0.1	0.5
7QB97Z	3.8	0.7	0.3	123.6	0.8	0.4	19.6	1.0	0.5	69.6	0.0	0.1
8UDU46	5.0	1.6	1.3	110.0	-0.3	0.9	17.6	0.3	0.1	63.7	-0.9	2.1
ALACYW	3.2	0.4	0.0	89.0	-1.9	0.3	15.1	-0.4	0.3	53.6	-2.3	0.7
B28ZB4	1.8	-0.6	0.0	109.2	-0.3	0.2	18.4	0.6	0.2	68.8	-0.1	0.7
B6WAQM				130.7	1.3	0.7	16.5	0.0	2.7	78.0	1.3	0.7
C399BQ	4.5	1.3	1.1	115.8	0.2	0.1	16.6	0.0	0.2	70.7	0.2	0.5
CUUCHD	16.9	9.8X	0.5	101.1	-0.9	2.4	32.2	5.0	0.8	100.8	4.6X	1.4
D8CLGN	3.2	0.4	0.2	118.0	0.4	0.8	19.4	0.9	0.6	74.3	0.7	0.7
DF8AMR	1.1	-1.1	0.3	84.5	-2.2	0.2	12.7	-1.2	0.8	52.4	-2.5	0.7
ENJQVR				111.5	-0.1	0.5	18.4	0.6	1.8	65.0	-0.7	1.2
FE4GUC				114.0	0.0	1.1	17.2	0.2	0.8	71.5	0.3	0.5
G42FUD	2.0	-0.5		111.0	-0.2	0.7	16.5	0.0	0.4	68.9	-0.1	1.0
KDBGFN	2.8	0.1	0.6	114.2	0.1	2.8	17.6	0.4	0.1	71.3	0.3	2.0
KL97YD	0.7	-1.3	0.5	104.9	-0.7	0.4	63.0	14.9X	1.3	71.6	0.3	0.2
KQJ33M	3.0	0.2	1.2	110.9	-0.2	2.2	14.6	-0.6	3.3	65.3	-0.6	2.8
KTF3DR	2.7	0.0		168.4	4.3		16.4	0.0		77.6	1.2	
LAWQZR	1.6	-0.7	0.3	100.3	-1.0	0.9	14.7	-0.6	0.2	63.5	-0.9	0.8
LE6LAM				114.4	0.1	0.4	14.8	-0.5	0.0	70.7	0.2	0.3
LW6CRB				118.3	0.4	1.4	16.0	-0.2	0.2	76.0	1.0	1.3
LWKX2D	3.5	0.5	2.2	122.1	0.7	1.5	19.2	0.9	1.4	73.7	0.6	2.2
M2W4DD	2.0	-0.5		61.3	-4.0X	0.8	11.7	-1.6	0.5	39.3	-4.4X	1.9
NK6KY3				102.7	-0.8	0.1	13.9	-0.8	1.1	62.5	-1.0	0.1
P28MC2	2.7	0.0	1.0	129.7	1.3	0.9	20.7	1.4	1.6	82.3	1.9	0.7



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B (SubTestCode 219) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
PCMCAK	3.0	0.2	1.8	116.7	0.3	0.9	16.0	-0.2	0.9	69.3	0.0	0.3	
PG2C7C	1.0	-1.2		112.3	-0.1	0.1	17.0	0.2		67.7	-0.3	0.3	
QEAHWE	1.9	-0.5	0.5	96.9	-1.3	0.1	14.3	-0.7	0.3	61.2	-1.2	0.5	
QRZFXD	4.4	1.2	1.6	116.3	0.2	0.8	19.8	1.1	0.9	71.0	0.2	1.0	
R3VWZB	1.6	-0.7	0.1	114.7	0.1	1.3	16.1	-0.1	0.7	69.0	-0.1	0.9	
R3VWZY	1.6	-0.7	0.1	114.7	0.1	1.3	16.1	-0.1	0.7	69.0	-0.1	0.9	
TAXTRJ	1.8	-0.6	0.0	113.4	0.0	0.3	15.5	-0.3	0.1	68.2	-0.2	0.1	
V68HH4	4.7	1.4	0.5	102.0	-0.9	0.3	18.8	0.7	0.3	64.9	-0.7	1.0	
YCHF4T	1.2	-1.0	0.0	115.8	0.2	0.1	15.3	-0.4	0.2	70.2	0.1	0.3	
YP4GDK	0.6	-1.4	0.1	111.8	-0.1	0.5	14.3	-0.7	0.1	70.0	0.1	1.1	
ZFE4Z8	2.8	0.0	0.6	127.5	1.1	0.5	17.5	0.3	0.3	77.9	1.2	0.3	
ZLC4PY	3.2	0.3	0.3	105.2	-0.6	0.5	15.0	-0.5	0.6	63.3	-0.9	0.5	

B (SubTestCode 219) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	2.68	113.4	16.5	69.5		
Median Abs Dev	0.88	4.6	1.7	4.2		
Avg Within Lab SD	0.56	4.0	1.2	2.2		
Labs Included	31	37	37	36		
Labs Reporting	32	38	38	38		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Zn (SubTestCode 220) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	15.8	0.0	0.9	12.3	-0.5	0.7	66.2	0.1	0.2	81.2	0.2	0.3
4NXA79	17.6	0.8	0.3	13.3	-0.1	0.2	64.5	-0.2	0.3	71.7	-1.3	0.2
6Z92A9	19.7	1.7	0.5	16.0	1.2	1.0	68.0	0.4	0.2	83.0	0.5	0.3
7A3CM2	18.7	1.3	0.8	15.0	0.7	1.3	69.6	0.6	0.5	82.3	0.4	0.9
7QB97Z	15.0	-0.3		12.7	-0.3	0.6	58.0	-1.3	0.2	73.3	-1.0	0.2
8UDU46	20.2	1.9	1.4	17.5	1.9	0.6	71.7	1.0	0.7	80.9	0.2	1.5
ALACYW	15.4	-0.1	0.6	14.1	0.3	0.5	68.6	0.5	0.0	81.2	0.2	0.7
B28ZB4	11.5	-1.8	0.4	11.4	-0.9	0.7	55.2	-1.8	0.2	68.1	-1.8	0.0
B6WAQM	16.3	0.3	0.6	13.5	0.0	0.6	67.7	0.3	0.1	79.8	0.0	0.8
C399BQ	17.7	0.8	0.8	14.0	0.3	0.4	65.1	-0.1	0.4	77.6	-0.3	0.3
CUUCHD	15.6	0.0	0.4	14.0	0.3	0.5	71.6	1.0	0.1	87.1	1.2	0.0
D8CLGN	16.3	0.3	1.3	14.5	0.5	1.4	71.6	1.0	0.4	83.0	0.5	1.1
DF8AMR	11.0	-2.0	0.1	7.6	-2.7X	0.2	45.3	-3.5X	0.4	50.7	-4.6X	0.3
ENJQVR	13.4	-1.0	0.2	9.5	-1.8	0.7	60.6	-0.9	0.2	66.4	-2.1	0.5
FE4GUC	14.4	-0.6	0.4	11.5	-0.9	0.6	65.6	0.0	0.2	74.9	-0.8	0.2
G42FUD	15.8	0.1	0.3	15.3	0.9	0.8	62.8	-0.5	0.1	78.7	-0.1	0.3
JAXEVD	14.7	-0.4	0.5	13.7	0.1	0.6	61.7	-0.7	0.2	81.0	0.2	1.4
KDBGFN	16.0	0.1	0.1	12.9	-0.3	1.0	64.7	-0.2	0.3	75.3	-0.7	0.8
KL97YD	17.0	0.6	0.9	12.7	-0.3	0.5	73.3	1.3	0.2	86.9	1.1	0.8
KQJ33M	15.1	-0.2	3.2	12.4	-0.5	2.8	63.8	-0.4	1.9	77.5	-0.3	4.4
KQZF9B	15.0	-0.3	1.6	14.2	0.4	0.6	70.1	0.7	0.3	85.9	1.0	0.8
KTF3DR	30.3	6.2X		18.5	2.3		65.0	-0.1		83.4	0.6	
LAWQZR	14.2	-0.6	0.4	12.7	-0.3	0.2	64.9	-0.2	0.3	79.9	0.0	0.7
LE6LAM	15.8	0.0	0.1	13.5	0.0	0.2	66.0	0.0	0.0	80.9	0.2	0.2
LW6CRB	14.8	-0.4	0.4	13.2	-0.1	0.3	61.1	-0.8	0.1	74.9	-0.8	0.3
LWKX2D	14.6	-0.5	0.6	11.0	-1.1	2.0	65.8	0.0	0.1	75.4	-0.7	0.8



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Zn (SubTestCode 220) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2W4DD	19.7	1.7	1.3	17.0	1.6	1.0	75.0	1.5	0.9	85.7	1.0	2.2	
NJDZEC	16.7	0.4	0.4	14.0	0.3	0.1	64.2	-0.3	0.1	73.4	-1.0	0.5	
NK6KY3	14.2	-0.6	0.6	12.9	-0.3	0.2	58.4	-1.3	1.1	72.5	-1.1	0.6	
P28MC2	15.7	0.0	1.7	12.4	-0.5	0.3	66.7	0.1	0.9	76.2	-0.5	0.7	
PCMCAK	15.0	-0.3	0.9	13.3	0.0	0.6	68.3	0.4	0.4	83.0	0.5	0.6	
PG2C7C	16.3	0.3	2.0	13.0	-0.2		65.7	0.0	0.4	77.7	-0.3	0.2	
QEAHWE	18.0	1.0	0.3	15.9	1.1	0.8	64.1	-0.3	0.2	76.4	-0.5	0.2	
QKE9DY	14.8	-0.4	1.0	13.2	-0.1	0.7	66.3	0.1	0.3	79.6	0.0	0.8	
QRZFXD	14.3	-0.6	0.6	11.2	-1.0	0.8	86.0	3.4	5.5	78.8	-0.1	0.2	
R3VWZB	15.6	0.0	0.8	13.3	-0.1	0.6	65.6	0.0	0.2	79.5	0.0	0.6	
R3VWZY	15.6	0.0	0.8	13.3	-0.1	0.6	65.6	0.0	0.2	79.5	0.0	0.6	
TAXTRJ	20.7	2.1	0.0	16.9	1.6	0.1	88.6	3.8X	0.1	103.2	3.7X	0.1	
V68HH4	19.8	1.8	2.1	17.2	1.7	3.3	70.3	0.8	0.6	83.3	0.6	1.1	
YCHF4T	15.9	0.1	0.1	14.2	0.3	0.2	71.6	1.0	0.1	87.3	1.2	0.1	
YP4GDK	12.8	-1.2	0.2	10.7	-1.3	0.3	58.9	-1.2	0.1	74.3	-0.8	0.8	
ZFE4Z8	19.5	1.6	0.3	18.0	2.1	0.5	84.5	3.1	0.2	99.7	3.2	0.2	
ZLC4PY	15.4	-0.1	1.4	13.7	0.1	0.9	66.2	0.1	0.4	81.1	0.2	0.1	

Zn (SubTestCode 220) in the Wet Digestion Property Groups					Data units: mg/kg			
	SRB1801		SRB1802		SRB1803		SRB1804	
Grand Median	15.7		13.4		65.8		79.6	
Median Abs Dev	1.0		0.8		2.5		3.4	
Avg Within Lab SD	1.1		1.0		5.8		3.2	
Labs Included	42		42		41		41	
Labs Reporting	43		43		43		43	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mn (SubTestCode 221) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	19.5	-2.5	2.0	19.6	-2.4	1.3	104.0	-0.6	1.5	107.7	-0.9	0.4
4NXA79	29.8	-0.4	0.4	29.3	-0.5	0.1	104.3	-0.6	0.3	109.8	-0.7	0.2
6Z92A9	36.3	1.0	0.5	34.7	0.6	0.5	113.3	0.4	1.0	124.3	0.7	1.2
7QB97Z	29.3	-0.5	0.5	30.7	-0.2	0.5	105.7	-0.4	0.2	114.7	-0.3	0.1
8UDU46	20.7	-2.3	0.8	20.0	-2.3	1.6	109.0	0.0	1.8	111.9	-0.5	2.7
ALACYW	29.4	-0.5	0.2	30.5	-0.2	0.3	108.1	-0.1	0.3	112.7	-0.5	0.2
B28ZB4	30.6	-0.2	1.0	30.1	-0.3	1.0	105.2	-0.5	0.2	112.8	-0.4	0.0
B6WAQM	34.4	0.6	1.0	33.4	0.3	0.9	115.7	0.7	0.7	121.2	0.4	1.2
C399BQ	33.8	0.4	0.3	32.7	0.2	0.1	108.2	-0.1	1.1	117.5	0.0	0.4
CUUCHD	29.5	-0.4	0.7	40.7	1.8	0.9	125.9	1.8	0.9	130.8	1.3	0.8
D8CLGN	34.5	0.6	0.9	33.9	0.4	0.9	118.7	1.0	1.3	125.7	0.8	1.2
DF8AMR	28.7	-0.6	0.4	25.3	-1.3	0.6	99.1	-1.1	0.3	98.4	-1.8	0.6
ENJQVR	28.0	-0.7	0.8	29.2	-0.5	1.1	107.6	-0.2	0.6	106.5	-1.1	1.1
FE4GUC	30.5	-0.2	0.5	30.0	-0.3	1.2	109.3	0.0	0.6	114.3	-0.3	0.3
G42FUD	30.3	-0.3	0.2	30.3	-0.3	0.7	104.0	-0.6	0.3	113.3	-0.4	0.4
JAXEVD	32.3	0.1	0.5	34.0	0.5	1.6	118.0	1.0	0.7	128.0	1.0	1.9
KDBGFN	43.7	2.5	0.5	42.9	2.2	1.0	147.6	4.2X	0.2	151.0	3.2X	2.2
KL97YD	26.7	-1.0	0.6	28.5	-0.6	0.6	106.6	-0.3	0.3	112.9	-0.4	1.5
KQJ33M	31.6	0.0	0.9	30.7	-0.2	1.6	111.2	0.2	2.1	118.2	0.1	1.6
KQZF9B	32.9	0.3	1.9	37.4	1.1	3.3	110.9	0.2	0.8	121.5	0.4	1.0
KTF3DR	21.9	-2.0		20.7	-2.2		108.1	-0.1		117.4	0.0	
LAWQZR	30.5	-0.2	0.4	30.9	-0.2	1.1	107.6	-0.2	0.6	119.7	0.2	0.9
LE6LAM	32.6	0.2	0.2	32.6	0.2	0.4	102.7	-0.7	0.3	118.7	0.1	0.4
LW6CRB	32.2	0.1	0.6	32.6	0.2	0.4	113.3	0.4	0.4	120.3	0.3	0.3
LWKX2D	37.2	1.1	1.1	34.2	0.5	0.9	120.1	1.2	1.2	125.1	0.7	1.0
M2W4DD	30.7	-0.2	1.1	30.3	-0.3	1.4	102.0	-0.8	1.3	96.3	-2.0	2.1



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mn (SubTestCode 221) in the Wet Digestion Property Groups													Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
NJDZEC	37.1	1.1	0.3	27.8	-0.8	0.5	113.7	0.5	0.3	95.3	-2.1	0.1		
NK6KY3	31.8	0.0	1.6	31.5	0.0	0.5	107.8	-0.2	3.5	120.3	0.3	0.3		
P28MC2	31.6	0.0	1.7	32.1	0.1	0.5	122.7	1.5	0.3	128.7	1.1	1.3		
PCMCAK	31.7	0.0	1.1	32.3	0.1	0.5	116.3	0.8	0.6	121.7	0.4	1.5		
PG2C7C	30.7	-0.2	1.1	30.0	-0.3		105.0	-0.5		110.7	-0.7	0.1		
QEAHWE	31.2	-0.1	0.5	31.8	0.0	0.0	106.0	-0.4	0.7	112.5	-0.5	0.3		
QKE9DY	33.3	0.3	1.4	33.5	0.4	0.3	118.3	1.0	0.3	124.0	0.6	0.4		
QRZFXD	32.8	0.2	0.7	31.6	0.0	0.7	112.6	0.4	1.2	116.6	-0.1	0.1		
R3VWZB	32.4	0.2	1.6	32.2	0.1	1.1	112.0	0.3	0.5	118.0	0.1	0.3		
R3VWZY	32.4	0.2	1.6	32.2	0.1	1.1	112.0	0.3	0.5	118.0	0.1	0.3		
TAXTRJ	39.4	1.6	0.1	39.2	1.5	0.2	134.4	2.8	0.1	143.8	2.5	0.2		
V68HH4	37.0	1.1	1.9	35.0	0.7	0.9	116.3	0.8	0.6	117.3	0.0	1.3		
YCHF4T	34.2	0.5	0.2	34.0	0.5	0.2	119.4	1.1	0.1	127.3	0.9	0.1		
YP4GDK	20.1	-2.4	0.4	18.6	-2.6	0.5	100.5	-1.0	0.5	111.6	-0.6	1.0		
ZFE4Z8	37.0	1.1	1.2	37.3	1.1	0.4	131.3	2.4	0.6	136.8	1.9	0.5		
ZLC4PY	30.9	-0.2	1.3	29.8	-0.4	1.2	105.3	-0.4	1.3	111.1	-0.6	1.3		

Mn (SubTestCode 221) in the Wet Digestion Property Groups													Data units: mg/kg	
	SRB1801			SRB1802			SRB1803			SRB1804				
Grand Median	31.6			31.7			109.3			117.5				
Median Abs Dev	2.0			1.8			4.3			5.0				
Avg Within Lab SD	1.1			1.1			3.6			3.9				
Labs Included	42			42			41			41				
Labs Reporting	42			42			42			42				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Fe (SubTestCode 222) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	98.1	1.1	1.3	294.0	-1.0	1.3	412.3	-0.6	0.4	148.3	-0.3	1.3
4NXA79	78.6	-0.1	1.3	219.2	-2.8	0.3	323.1	-1.9	0.1	122.4	-1.6	0.2
6Z92A9	86.7	0.4	1.3	271.0	-1.6	0.3	365.3	-1.3	0.4	150.7	-0.2	0.3
7QB97Z	90.7	0.7	0.5	339.7	0.1	0.0	477.3	0.4	0.0	174.3	1.0	0.2
8UDU46	52.9	-1.7	1.8	330.7	-0.2	1.0	448.0	-0.1	0.3	154.7	0.0	1.1
ALACYW	64.8	-1.0	0.3	340.4	0.1	0.2	478.5	0.4	0.1	135.4	-0.9	0.2
B28ZB4	86.1	0.4	0.0	321.7	-0.4	0.3	434.7	-0.3	0.1	154.6	0.0	0.2
B6WAQM	38.9	-2.6	1.8	292.6	-1.1	1.2	403.8	-0.7	1.7	123.6	-1.5	0.8
C399BQ	186.9	6.7X	0.5	442.0	2.5X	1.6	561.9	1.7	0.2	249.8	4.7X	0.9
CUUCHD	30.4	-3.1	0.4	357.3	0.5	0.5	506.3	0.8	0.6	167.2	0.6	0.5
D8CLGN	82.9	0.2	0.6	358.7	0.5	1.0	494.0	0.6	0.4	167.0	0.6	0.8
DF8AMR	66.5	-0.9	0.4	289.3	-1.1	0.4	406.5	-0.7	1.1	137.9	-0.8	0.5
ENJQVR	75.0	-0.3	0.3	324.6	-0.3	1.1	448.7	0.0	0.4	143.5	-0.5	1.3
FE4GUC	74.7	-0.3	0.7	304.0	-0.8	1.3	426.0	-0.4	0.6	143.0	-0.6	0.4
G42FUD	79.4	-0.1	0.2	353.7	0.4	0.5	495.7	0.7	0.1	166.3	0.6	0.4
JAXEVD	80.0	0.0	0.5	357.0	0.5	1.0	448.3	0.0	0.2	168.7	0.7	1.5
KDBGFN	89.1	0.6	1.0	351.6	0.3	2.2	501.4	0.8	3.8	157.0	0.1	1.4
KL97YD	74.4	-0.4	0.5	351.4	0.3	0.2	19.2	-6.5X	0.0	150.3	-0.2	0.4
KQJ33M	79.9	0.0	0.4	358.5	0.5	2.4	495.4	0.7	2.4	163.6	0.4	2.6
KQZF9B	86.7	0.4	0.9	290.0	-1.1	0.2	383.9	-1.0	1.0	150.1	-0.2	1.2
KTF3DR	80.7	0.0		354.2	0.4		526.0	1.1		163.9	0.5	
LAWQZR	80.2	0.0	0.4	303.0	-0.8	0.6	411.3	-0.6	0.1	154.6	0.0	0.5
LE6LAM	86.5	0.4	0.3	340.4	0.1	0.4	445.2	-0.1	0.2	164.4	0.5	0.3
LW6CRB	79.1	-0.1	0.4	322.0	-0.4	0.9	427.7	-0.4	0.2	146.3	-0.4	0.2
LWKX2D	90.9	0.7	0.2	338.9	0.0	1.1	472.9	0.3	0.8	155.2	0.0	1.1
M2W4DD	85.3	0.3	1.1	254.3	-2.0	1.4	379.7	-1.1	1.4	105.3	-2.4	2.5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Fe (SubTestCode 222) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NJDZEC	76.3	-0.2	0.1	238.1	-2.4	0.1	360.6	-1.4	0.1	121.3	-1.6	0.2	
NK6KY3	73.0	-0.5	0.8	309.7	-0.7	0.5	401.3	-0.8	1.7	146.0	-0.4	0.4	
P28MC2	83.5	0.2	0.9	354.0	0.4	0.3	515.3	1.0	0.2	178.7	1.2	1.0	
PCMCAK	79.3	-0.1	0.5	297.0	-1.0	0.4	395.3	-0.8	1.2	126.3	-1.4	0.6	
PG2C7C	81.7	0.1	0.7	341.0	0.1	0.3	487.7	0.5	0.0	157.7	0.1	0.2	
QEAHWE	99.3	1.2	1.1	327.8	-0.2	0.6	451.4	0.0	0.4	160.6	0.3	1.0	
QRZFXD	103.2	1.4	2.7	337.0	0.0	0.9	470.8	0.3	0.7	186.1	1.5	0.8	
R3VWZB	84.6	0.3	0.5	339.3	0.1	1.6	482.7	0.5	0.2	160.7	0.3	0.5	
R3VWZY	84.6	0.3	0.5	339.3	0.1	1.6	482.7	0.5	0.2	160.7	0.3	0.5	
V68HH4	109.0	1.8	1.9	378.7	1.0	2.0	569.7	1.8	1.1	197.3	2.1	2.0	
YCHF4T	78.6	-0.1	1.0	319.1	-0.4	0.1	460.1	0.1	0.4	154.6	0.0	0.3	
YP4GDK	52.6	-1.7	0.9	269.0	-1.6	0.6	400.3	-0.8	0.4	133.2	-1.1	0.7	
ZFE4Z8	52.3	-1.8	0.6	361.5	0.6	0.3	469.2	0.3	0.9	166.4	0.6	0.1	
ZLC4PY	96.4	1.0	2.0	361.9	0.6	1.3	522.5	1.1	0.9	166.3	0.6	1.7	

Fe (SubTestCode 222) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	80.2	337.0	451.4	154.7		
Median Abs Dev	5.9	20.0	42.6	11.2		
Avg Within Lab SD	4.4	11.8	23.2	7.1		
Labs Included	39	39	39	39		
Labs Reporting	40	40	40	40		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cu (SubTestCode 223) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3WECRP	1.62	-0.47	0.47	2.42	-1.15	0.13	25.13	-0.47	2.16	22.30	-0.85	0.36
4NXA79	3.51	1.54	0.44	4.53	0.56	0.45	24.45	-0.80	0.30	22.59	-0.71	0.19
6Z92A9	4.00	2.07		6.33	2.03	1.19	26.33	0.11	0.55	26.00	0.92	0.89
7QB97Z	2.03	-0.03	0.18	3.47	-0.30	0.52	24.13	-0.95	0.56	22.03	-0.97	0.45
8UDU46	2.22	0.17	0.09	4.29	0.37	0.31	25.40	-0.34	1.13	22.87	-0.57	2.56
ALACYW	1.99	-0.07	0.20	4.66	0.66	0.56	26.90	0.38	0.12	24.29	0.11	0.58
B28ZB4	0.36	-1.81	0.11	1.92	-1.56	0.28	22.30	-1.83	0.42	19.37	-2.25	0.10
B6WAQM	3.04	1.05	2.51	4.09	0.20	1.13	27.55	0.69	0.83	24.99	0.44	1.48
C399BQ	3.47	1.50	1.10	5.05	0.98	0.86	26.22	0.05	0.73	24.77	0.33	0.50
CUUCHD	0.32	-1.85	0.08	2.22	-1.32	0.10	26.30	0.09	1.31	25.89	0.87	2.11
D8CLGN	3.14	1.15	0.48	8.28	3.60X	1.14	29.07	1.42	0.39	27.70	1.74	0.67
DF8AMR	1.70	-0.38	0.32	3.27	-0.47	0.12	25.47	-0.31	0.44	21.97	-1.00	0.67
ENJQVR	1.21	-0.91	0.49	3.17	-0.55	0.30	24.75	-0.65	1.23	20.67	-1.63	1.15
FE4GUC	2.00	-0.06		4.03	0.16	0.32	26.80	0.33	0.67	24.90	0.40	0.46
G42FUD	1.67	-0.42	0.92	3.17	-0.55	0.60	23.17	-1.41	0.28	21.97	-1.00	0.45
JAXEVD	1.90	-0.17	0.00	3.93	0.08	0.24	25.50	-0.29	1.36	24.63	0.27	1.51
KDBGFN	2.21	0.16	0.60	4.47	0.51	0.31	28.19	1.00	0.64	24.17	0.05	1.86
KL97YD	1.80	-0.28	0.58	3.70	-0.11	0.31	22.27	-1.84	0.16	20.89	-1.52	0.86
KQJ33M	2.16	0.11	1.85	1.94	-1.55	3.13	21.66	-2.14	1.51	20.79	-1.57	1.37
KQZF9B	3.45	1.48	1.24	6.84	2.44	0.82	27.99	0.90	1.04	25.88	0.87	1.06
KTF3DR	0.51	-1.65		2.66	-0.96		25.48	-0.30		23.86	-0.10	
LAWQZR	3.23	1.25	1.51	2.73	-0.90	1.02	25.10	-0.49	1.07	22.80	-0.61	0.71
LE6LAM	1.84	-0.24	0.59	3.59	-0.20	0.13	26.75	0.31	0.27	25.17	0.53	0.33
LW6CRB	1.92	-0.14	0.14	3.70	-0.11	0.04	24.30	-0.87	0.77	22.37	-0.81	0.19
LWKX2D	2.89	0.88	1.01	4.85	0.82	0.82	27.34	0.59	1.61	25.98	0.92	1.67
M2W4DD	2.33	0.29	1.84	6.00	1.75	4.14	28.33	1.07	2.77	24.00	-0.03	2.36



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cu (SubTestCode 223) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NJDZEC	1.53	-0.56	0.50	2.88	-0.78	0.33	24.22	-0.91	0.21	22.94	-0.54	0.06	
NK6KY3	1.91	-0.16	0.58	3.56	-0.23	0.14	23.50	-1.25	2.18	22.17	-0.91	0.67	
P28MC2	2.07	0.01	0.24	3.84	0.00	0.18	27.90	0.86	0.76	24.27	0.10	1.14	
PCMCAK	1.67	-0.42	1.84	3.33	-0.41	1.19	27.00	0.43	1.66	25.67	0.77	0.51	
PG2C7C	2.33	0.29	1.84	4.00	0.13		25.67	-0.21	0.55	23.33	-0.35	0.51	
QEAHWE	2.77	0.76	0.73	6.59	2.23	0.80	27.68	0.75	0.37	24.50	0.21	0.28	
QKE9DY	3.91	1.97	1.78	5.55	1.39	0.18	26.73	0.30	0.40	24.57	0.24	0.37	
QRZFXD	2.73	0.72	0.66	4.00	0.13	0.41	26.10	-0.01	0.72	23.57	-0.24	0.59	
R3VWZB	2.05	-0.01	0.19	3.85	0.01	0.34	25.97	-0.07	0.72	23.50	-0.27	0.24	
R3VWZY	2.05	-0.01	0.19	3.85	0.01	0.34	25.97	-0.07	0.72	23.50	-0.27	0.24	
TAXTRJ	2.81	0.80	0.04	3.84	0.00	0.08	26.12	0.01	0.11	24.17	0.05	0.17	
V68HH4	2.20	0.15	1.92	3.83	-0.01	0.48	26.53	0.20	0.22	24.13	0.03	0.31	
YCHF4T	1.86	-0.21	0.79	3.82	-0.02	0.03	27.42	0.63	0.44	25.83	0.84	0.44	
YP4GDK	1.55	-0.54	0.36	3.47	-0.30	0.11	26.50	0.19	0.30	25.09	0.49	0.73	
ZFE4Z8	3.34	1.37	0.76	5.65	1.47	1.13	30.59	2.15	0.63	26.80	1.31	0.91	
ZLC4PY	2.27	0.23	0.40	4.16	0.26	0.45	24.72	-0.67	0.37	22.71	-0.65	0.52	

Cu (SubTestCode 223) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	2.06	3.84	26.1	24.1		
Median Abs Dev	0.39	0.57	1.1	1.2		
Avg Within Lab SD	0.31	0.48	1.0	1.1		
Labs Included	42	41	42	42		
Labs Reporting	42	42	42	42		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mo (SubTestCode 224) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4NXA79	2.56	-0.77	1.78	0.53	1.45	0.25	1.29	2.01	0.62	1.14	1.85	0.06	
6Z92A9	2.50	-1.04	0.49	0.30	-0.04	0.00	0.70	-1.04	0.00	0.70	-0.77	0.00	
ALACYW	2.67	-0.24	0.52	0.18	-0.82	0.13	0.80	-0.53	0.25	0.76	-0.39	0.11	
JAXEVD	2.80	0.38	0.49										
KDBGFN	2.86	0.66	0.46	0.26	-0.31	0.13	0.78	-0.60	0.31	0.75	-0.48	0.06	
KQJ33M	2.48	-1.11	1.86	0.63	2.08	2.73	1.38	2.48	1.23	0.80	-0.16	1.11	
LAWQZR	2.89	0.81	0.91	0.76	2.93	0.38	1.08	0.94	0.09	1.25	2.49	0.69	
LE6LAM	2.76	0.20	0.61										
LW6CRB	2.71	-0.06	0.23	0.29	-0.11	0.00	0.85	-0.24	0.14	0.79	-0.25	0.13	
LWKX2D	2.73	0.06	2.68	0.48	1.15	2.51	0.92	0.10	3.53	1.14	1.87	3.45	
NK6KY3	2.59	-0.60	0.63	0.28	-0.19	0.03	0.77	-0.66	0.53	0.74	-0.53	0.06	
P28MC2	2.90	0.86	0.42	3.40	20.01X	0.35	1.00	0.52	0.15	0.95	0.72	0.58	
PG2C7C	2.70	-0.09	0.00	0.30	-0.04	0.00	0.90	0.00	0.00	0.83	0.02	0.35	
QEAHWE	2.50	-1.02	0.49	0.28	-0.16	0.13	0.79	-0.59	0.24	0.79	-0.26	0.28	
R3VWZB	2.90	0.86	0.18	0.31	0.04	0.06	0.90	0.01	0.14	0.83	0.00	0.09	
R3VWZY	2.90	0.86	0.18	0.31	0.04	0.06	0.90	0.01	0.14	0.83	0.00	0.09	
YCHF4T	3.16	2.12	0.42										
ZLC4PY	2.64	-0.39	0.98	0.32	0.07	0.14	0.83	-0.38	0.21	0.88	0.30	0.87	

Mo (SubTestCode 224) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	2.72	0.31	0.90	0.83		
Median Abs Dev	0.15	0.03	0.10	0.07		
Avg Within Lab SD	0.20	0.17	0.11	0.16		
Labs Included	18	14	15	15		
Labs Reporting	18	15	15	15		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

P (SubTestCode 225) in the Dry Ash Property Groups

Data units: Percent

WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
BKAJQQ	0.22		1.29	0.12		0.00	0.42		0.69	0.20	0.00
CNPL2T	0.23		0.77	0.12		1.94	0.44		0.54	0.20	1.97
KDBGFN	0.28		0.30	0.14		0.47	0.51		0.11	0.24	0.34
KL97YD	0.21		1.29	0.11		0.00	0.40		1.79	0.19	0.00

P (SubTestCode 225) in the Dry Ash Property Groups

Data units: Percent

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	0.22	0.12	0.43	0.20
Median Abs Dev				
Avg Within Lab SD	0.00	0.00	0.01	0.00
Labs Included	4	4	4	4
Labs Reporting	4	4	4	4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	1.67	0.00	0.79	1.31	-0.58	1.91	5.27	0.00	1.37	2.05	0.00	0.98
BKAJQQ	1.70	0.17	0.60	1.51	0.84	0.30	5.40	0.53	0.08	2.12	0.44	0.23
CNPL2T	1.38	-1.41	0.52	1.39	0.00	0.14	5.33	0.26	0.17	1.97	-0.51	0.34
KDBGFN	1.86	0.97	1.91	1.60	1.42	1.10	5.18	-0.33	1.58	2.20	0.94	1.88
KL97YD	1.50	-0.81	0.35	1.31	-0.54	0.17	4.69	-2.24	0.77	1.81	-1.49	0.57

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

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	1.67	1.39	5.27	2.05
Median Abs Dev	0.16	0.08	0.09	0.08
Avg Within Lab SD	0.04	0.07	0.14	0.11
Labs Included	5	5	5	5
Labs Reporting	5	5	5	5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.20	-1.28	0.27	2.10	-1.84	2.20	0.52	-2.07	1.67	2.24	-1.63	1.29
BKAJQQ	0.23	0.30	1.41	2.56	0.00	0.06	0.73	0.16	0.25	2.52	0.01	0.36
CNPL2T	0.23	0.17	1.64	2.66	0.38	0.34	0.74	0.21	0.51	2.52	0.00	0.55
KDBGFN	0.23	0.00	0.49	2.64	0.30	0.03	0.72	0.00	0.23	2.61	0.52	0.86
KL97YD	0.19	-1.63	0.00	2.35	-0.85	0.20	0.63	-0.94	1.35	2.31	-1.21	1.47

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

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	0.23	2.56	0.72	2.52
Median Abs Dev	0.01	0.10	0.02	0.09
Avg Within Lab SD	0.00	0.10	0.02	0.03
Labs Included	5	5	5	5
Labs Reporting	5	5	5	5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg (SubTestCode 228) in the Dry Ash Property Groups													Data units: Percent
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	0.09	0.39	1.92	0.39	-1.05	2.22	0.40	0.07	2.05	0.47	0.00	1.81	
BKAJQQ	0.09	0.00	0.00	0.43	0.13	0.00	0.39	0.00	0.40	0.48	0.22	0.47	
CNPL2T	0.07	-1.48	0.15	0.43	0.00	0.25	0.38	-0.53	0.06	0.47	-0.24	0.50	
KDBGFN	0.10	0.94	0.07	0.47	1.35	0.03	0.42	1.19	0.09	0.52	1.98	0.76	
KL97YD	0.08	-0.57	1.14	0.40	-0.84	0.00	0.35	-1.58	0.80	0.45	-0.94	0.81	

Mg (SubTestCode 228) in the Dry Ash Property Groups					Data units: Percent
	SRB1801	SRB1802	SRB1803	SRB1804	
Grand Median	0.09	0.43	0.39	0.47	
Median Abs Dev	0.01	0.03	0.01	0.01	
Avg Within Lab SD	0.01	0.02	0.01	0.01	
Labs Included	5	5	5	5	
Labs Reporting	5	5	5	5	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na (SubTestCode 229) in the Dry Ash Property Groups										Data units: Percent	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6GPH9N	0.053		1.213	0.012		1.735	0.013		1.821	0.026	1.256
BKAJQQ	0.050		1.489	0.012		0.960	0.009		0.000	0.022	0.396
CNPL2T	0.036		0.033	0.015		0.230	0.027		0.823	0.025	0.571
KDBGFN	0.058		0.557	0.011		0.128	0.008		0.088	0.024	1.393

Na (SubTestCode 229) in the Dry Ash Property Groups										Data units: Percent
	SRB1801			SRB1802			SRB1803			SRB1804
Grand Median	0.051			0.012			0.011			0.025
Median Abs Dev										
Avg Within Lab SD	0.001			0.001			0.001			0.001
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

AI (SubTestCode 230) in the Dry Ash Property Groups										Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
7A3CM2	16.8		0.8	327.1		1.3	382.3		1.4	107.3	0.8
KDBGFN	13.1		1.1	261.1		0.5	349.3		0.2	94.8	1.1

AI (SubTestCode 230) in the Dry Ash Property Groups					Data units: mg/kg
	SRB1801	SRB1802	SRB1803	SRB1804	
Grand Median	15.0	294.1	365.8	101.1	
Median Abs Dev					
Avg Within Lab SD	0.6	20.2	32.8	5.2	
Labs Included	2	2	2	2	
Labs Reporting	2	2	2	2	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	3.9	0.0	1.8	64.0	-2.1	1.7	13.7	-0.9	2.2	63.0	-0.6	0.6
7A3CM2	1.6	-1.1	1.5	113.3	0.0	2.0	15.8	-0.4	1.4	66.9	0.0	2.4
BKAJQQ	5.0	0.5	1.1	116.7	0.1	0.3	21.7	1.1	0.3	73.0	0.9	0.2
CNPL2T	5.2	0.6	0.2	89.9	-1.0	0.1	21.1	0.9	0.3	64.3	-0.4	0.3
KDBGFN	1.8	-1.0	0.2	121.1	0.3	0.1	17.4	0.0	0.1	74.4	1.1	0.7
KL97YD	1.3	-1.3	0.2	92.3	-0.9	0.2	13.7	-0.9	0.1	56.7	-1.5	0.1
KQZF9B	4.2	0.2	0.3	117.3	0.2	0.1	19.2	0.4	0.3	69.7	0.4	0.7

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	3.90	113.3	17.4	66.9
Median Abs Dev	1.26	7.8	3.7	4.0
Avg Within Lab SD	0.92	5.6	2.0	4.1
Labs Included	7	7	7	7
Labs Reporting	7	7	7	7



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Zn (SubTestCode 232) in the Dry Ash Property Groups												Data units: mg/kg		
WebCode	SRB1801			SRB1802			SRB1803			SRB1804				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6GPH9N	13.5	0.0	1.8	19.3	2.3	1.8	77.6	1.5	1.7	85.2	1.4	1.5		
BKAJQQ	15.0	0.5		13.0	0.0		68.7	0.7	0.4	78.3	0.8	0.4		
CNPL2T	7.9	-1.9	0.1	13.0	0.0	0.1	61.1	0.0	0.4	69.4	0.0	0.1		
KDBGFN	15.3	0.6	0.3	11.4	-0.6	0.1	60.0	-0.1	0.1	68.6	-0.1	1.4		
KL97YD	12.5	-0.3	0.8	11.7	-0.5	0.9	49.9	-1.0	1.4	57.2	-1.1	0.9		

Zn (SubTestCode 232) in the Dry Ash Property Groups												Data units: mg/kg		
	SRB1801			SRB1802			SRB1803			SRB1804				
Grand Median	13.5			13.0			61.1			69.4				
Median Abs Dev	1.5			1.3			7.5			8.9				
Avg Within Lab SD	1.4			1.4			1.4			1.4				
Labs Included	5			5			5			5				
Labs Reporting	5			5			5			5				



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mn (SubTestCode 233) in the Dry Ash Property Groups										Data units: mg/kg
WebCode	SRB1801			SRB1802			SRB1803			SRB1804
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	28.0		1.9	56.1		2.0	156.1		1.9	164.2 1.2
BKAJQQ	27.7		0.5	27.7		0.1	106.3		0.1	108.0 0.9
CNPL2T	25.5		0.3	28.2		0.1	105.8		0.6	106.2 1.2
KDBGFN	33.7		0.1	31.7		0.1	118.6		0.2	125.1 0.4

Mn (SubTestCode 233) in the Dry Ash Property Groups										Data units: mg/kg
	SRB1801			SRB1802			SRB1803			SRB1804
Grand Median	27.8			30.0			112.5			116.6
Median Abs Dev										
Avg Within Lab SD	1.1			4.5			4.2			2.2
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Fe (SubTestCode 234) in the Dry Ash Property Groups										Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6GPH9N	63.9		1.8	421.6		2.0	448.1		2.0	197.0	1.6
BKAJQQ	38.7		0.6	218.7		0.0	273.3		0.1	105.7	0.7
CNPL2T	30.8		0.3	253.6		0.1	382.0		0.2	111.6	0.2
KDBGFN	37.3		0.4	270.7		0.3	314.2		0.1	115.3	0.9

Fe (SubTestCode 234) in the Dry Ash Property Groups										Data units: mg/kg
	SRB1801			SRB1802			SRB1803			SRB1804
Grand Median	38.0			262.1			348.1			113.5
Median Abs Dev										
Avg Within Lab SD	2.0			54.8			37.3			2.9
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cu (SubTestCode 235) in the Dry Ash Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	1.71	0.00	1.42	5.63	1.55	2.19	25.57	1.64	1.94	23.09	0.00	0.60
BKAJQQ	1.80	0.44	1.17	3.90	-0.65	0.18	21.63	0.00	0.64	23.30	0.10	0.13
CNPL2T	1.74	0.14	0.04	4.58	0.21	0.11	20.59	-0.44	0.27	19.65	-1.61	0.55
KDBGFN	1.40	-1.53	0.19	3.66	-0.96	0.01	24.23	1.08	0.51	24.65	0.73	2.07
KL97YD	1.46	-1.27	1.25	4.41	0.00	0.39	21.14	-0.21	0.70	21.08	-0.94	0.23

Cu (SubTestCode 235) in the Dry Ash Property Groups

Data units: mg/kg

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	1.71	4.41	21.6	23.1
Median Abs Dev	0.09	0.51	1.0	1.6
Avg Within Lab SD	0.17	0.54	1.1	0.8
Labs Included	5	5	5	5
Labs Reporting	5	5	5	5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mo (SubTestCode 236) in the Dry Ash Property Groups

Data units: mg/kg

WebCode	SRB1801			SRB1802			SRB1803			SRB1804	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
KDBGFN	2.40		0.16	0.24		0.03	0.67		0.31	0.69	0.03
KQZF9B	1.85		1.41	1.63		1.41	2.94		1.38	1.12	1.41

Mo (SubTestCode 236) in the Dry Ash Property Groups

Data units: mg/kg

	SRB1801	SRB1802	SRB1803	SRB1804
Grand Median	2.13	0.94	1.81	0.90
Median Abs Dev				
Avg Within Lab SD	0.23	0.22	0.08	0.15
Labs Included	2	2	2	2
Labs Reporting	2	2	2	2



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

As (SubTestCode 237) in the Heavy Metals Property Groups												Data units: mg/kg
	SRB1801			SRB1802			SRB1803			SRB1804		
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
4NXA79	2.57	X	6.43	9.58	105.45X	32.79	4.44	13.14X	1.53	10.40	672.87X	36.36
ALACYW	0.28		1.94	0.50	3.81	2.44	0.86	2.09	0.44	0.35	2.36	2.43
LW6CRB				0.16	-0.01	0.09	0.18	-0.01	0.00	0.32	0.00	0.06
NK6KY3				0.15	-0.12	0.07	0.16	-0.07	0.03	0.30	-1.22	0.14
P28MC2	0.04		0.01	0.17	0.12	0.02	0.79	1.88	2.41	0.31	-0.47	0.19
R3VWZB	0.05		0.35	0.16	0.00	0.14	0.18	0.00	0.02	0.32	0.00	0.08
R3VWZY	0.05		0.35	0.16	0.00	0.14	0.18	0.00	0.02	0.32	0.00	0.08

As (SubTestCode 237) in the Heavy Metals Property Groups												Data units: mg/kg
	SRB1801			SRB1802			SRB1803			SRB1804		
Grand Median	0.051			0.16			0.18			0.32		
Median Abs Dev				0.01			0.01			0.00		
Avg Within Lab SD	0.064			0.05			0.42			0.05		
Labs Included	4			6			6			6		
Labs Reporting	5			7			7			7		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ba (SubTestCode 238) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4NXA79	13.4	2.8	3.1	42.1	1.6	2.9	29.9	1.3	2.2	38.5	1.4	3.0	
ALACYW	10.1	0.2	0.2	36.7	-0.1	0.2	25.7	-0.3	0.1	32.9	-0.3	0.3	
JAXEVD	9.6	-0.2	0.2	37.3	0.1	0.7	26.0	-0.1	0.2	36.0	0.6	0.7	
LE6LAM	8.9	-0.8	0.1	32.6	-1.4	0.3	21.7	-1.7	0.1	29.0	-1.5	0.1	
LW6CRB	9.2	-0.5	0.2	34.8	-0.7	0.2	28.0	0.6	2.1	32.4	-0.5	0.3	
NK6KY3	9.1	-0.6	0.3	34.0	-0.9	0.2	23.5	-1.1	0.8	31.9	-0.6	0.2	
P28MC2	8.4	-1.1	0.4	32.8	-1.3	0.2	24.0	-0.9	0.1	30.6	-1.0	0.4	
R3VWZB	10.1	0.2	0.3	37.7	0.2	0.5	27.4	0.4	0.2	35.0	0.3	0.2	
R3VWZY	10.1	0.2	0.3	37.7	0.2	0.5	27.4	0.4	0.2	35.0	0.3	0.2	
YCHF4T	10.1	0.2	0.1	37.9	0.3	0.1	26.8	0.1	0.1	35.0	0.3	0.1	

Ba (SubTestCode 238) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1801		SRB1802		SRB1803	
Grand Median	9.84		37.0		26.4	
Median Abs Dev	0.45		1.5		1.3	
Avg Within Lab SD	1.16		3.1		2.6	
Labs Included	10		10		10	
Labs Reporting	10		10		10	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Cd (SubTestCode 239) in the Heavy Metals Property Groups											Data units: mg/kg		
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4NXA79	0.026	0.717	0.357	0.030	-0.621	1.059	0.385	-1.347	1.186	0.024	-0.036	0.425	
ALACYW	0.043	2.412	2.198	0.014	-3.479	2.278	0.374	-1.609	0.957	0.035	3.163	2.256	
LE6LAM							0.439	0.000	0.274				
LW6CRB				0.033	0.000	0.367	0.436	-0.058	0.202	0.023	-0.310	0.563	
NK6KY3				0.034	0.124	0.424	0.439	0.008	2.047				
P28MC2	0.017	-0.243	0.131	0.032	-0.273	0.441	0.437	-0.042	0.323	0.022	-0.465	0.639	
R3VWZB	0.019	0.000	0.113	0.034	0.112	0.300	0.466	0.673	0.879	0.024	0.036	0.043	
R3VWZY	0.019	0.000	0.113	0.034	0.112	0.300	0.466	0.673	0.879	0.024	0.036	0.043	
YCHF4T							0.505	1.659	0.849				

Cd (SubTestCode 239) in the Heavy Metals Property Groups											Data units: mg/kg		
	SRB1801			SRB1802			SRB1803			SRB1804			
Grand Median	0.019			0.033			0.44			0.024			
Median Abs Dev	0.002			0.001			0.03			0.001			
Avg Within Lab SD	0.005			0.003			0.02			0.003			
Labs Included	5			7			9			6			
Labs Reporting	5			7			9			6			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Co (SubTestCode 240) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4NXA79	0.06		0.91	0.52	3.11	2.49	1.67	1.85	0.31	0.56	4.22	2.76	
ALACYW	0.06		1.58	0.32	1.38	0.59	1.31	0.21	0.06	0.19	0.42	0.35	
JAXEVD							1.97	3.24	3.25				
LE6LAM							1.15	-0.56	0.15				
LW6CRB				0.15	-0.03	0.21	1.25	-0.06	0.16	0.15	-0.07	0.12	
NK6KY3				0.15	-0.06	0.17	1.19	-0.36	0.44	0.14	-0.14	0.09	
P28MC2	0.01		0.03	0.16	0.03	0.14	1.32	0.25	0.05	0.16	0.04	0.09	
PG2C7C	0.07		0.82	0.24	0.69	1.11	1.15	-0.53	0.05	0.19	0.41	0.45	
R3VWZB				0.15	-0.05	0.26	1.27	0.00	0.13	0.15	-0.04	0.08	
R3VWZY				0.15	-0.05	0.26	1.27	0.00	0.13	0.15	-0.04	0.08	
YCHF4T							1.35	0.37	0.27				

Co (SubTestCode 240) in the Heavy Metals Property Groups												Data units: mg/kg	
	SRB1801			SRB1802			SRB1803			SRB1804			
Grand Median	0.061			0.16			1.27			0.15			
Median Abs Dev				0.01			0.08			0.01			
Avg Within Lab SD	0.014			0.03			0.38			0.05			
Labs Included	4			8			11			8			
Labs Reporting	4			8			11			8			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ni (SubTestCode 241) in the Heavy Metals Property Groups													Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
4NXA79	0.78	1.82	0.38	2.36	3.38	2.04	1.69	3.43	0.65	3.86	2.27	0.81		
ALACYW	0.52	0.27	2.49	0.86	0.24	0.80	1.07	0.51	1.67	2.26	0.00	0.18		
JAXEVD	1.10	3.74	0.00	1.50	1.58	1.98	1.05	0.42	1.11	2.93	0.96	0.60		
LE6LAM	0.45	-0.13	0.68	0.60	-0.31	0.10	0.81	-0.70	1.52	1.78	-0.68	0.05		
LW6CRB	0.46	-0.08	0.17	0.75	0.00	0.09	0.95	-0.05	0.00	3.75	2.11	2.89		
NK6KY3	0.47	-0.02	0.92	0.74	-0.02	0.26	0.88	-0.36	1.41	2.05	-0.30	0.13		
P28MC2	0.47	0.01	0.89	0.75	0.00	0.16	1.09	0.60	0.18	2.26	0.00	0.17		
R3VWZB	0.47	0.00	0.52	0.74	-0.02	0.30	0.96	0.00	0.31	2.14	-0.17	0.05		
R3VWZY	0.47	0.00	0.52	0.74	-0.02	0.30	0.96	0.00	0.31	2.14	-0.17	0.05		
YCHF4T				1.30	1.17					2.31	0.08	0.72		

Ni (SubTestCode 241) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1801		SRB1802		SRB1803	
Grand Median	0.47		0.75		0.96	
Median Abs Dev	0.01		0.06		0.09	
Avg Within Lab SD	0.03		0.13		0.06	
Labs Included	9		10		9	
Labs Reporting	9		10		9	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Pb (SubTestCode 242) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4NXA79	0.07	0.85	0.07	0.92	3.47	0.29	0.59	2.04	1.65	0.69	3.11	0.52	
ALACYW	0.14	2.30	2.21	0.75	1.05	2.51	0.57	1.84	1.49	0.42	-0.93	2.48	
LW6CRB				0.69	0.12	0.37	0.38	-0.15	0.27	0.49	0.00	0.24	
NK6KY3				0.68	-0.03	0.48	0.35	-0.39	1.04	0.50	0.26	0.64	
P28MC2	0.03	0.00	0.22	0.68	0.00	0.12	0.42	0.30	0.81	0.50	0.27	0.34	
R3VWZB	0.02	-0.11	0.20	0.68	-0.02	0.33	0.39	0.00	0.37	0.48	-0.08	0.07	
R3VWZY	0.02	-0.11	0.20	0.68	-0.02	0.33	0.39	0.00	0.37	0.48	-0.08	0.07	

Pb (SubTestCode 242) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1801	SRB1802	SRB1803	SRB1804		
Grand Median	0.030	0.68	0.39	0.49		
Median Abs Dev	0.006	0.00	0.03	0.02		
Avg Within Lab SD	0.028	0.09	0.04	0.09		
Labs Included	5	7	7	7		
Labs Reporting	5	7	7	7		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sr (SubTestCode 243) in the Heavy Metals Property Groups													Data units: mg/kg	
WebCode	SRB1801			SRB1802			SRB1803			SRB1804				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
ALACYW	5.3	-0.4	0.0	345.1	0.0	0.2	59.9	-0.3	0.0	143.2	-0.3	0.3		
JAXEVD				362.0	0.7	1.5	62.3	0.3	1.1	155.3	0.9	1.9		
LE6LAM	5.5	0.0	0.2	314.5	-1.2	0.1	56.2	-1.2	0.1	132.7	-1.3	0.3		
LW6CRB	5.7	0.6	0.8	335.0	-0.4	1.3	60.7	-0.1	0.3	141.7	-0.4	1.6		
NK6KY3	5.3	-0.4	1.8	323.7	-0.8	0.5	55.0	-1.5	2.7	138.0	-0.8	0.8		
P28MC2	5.2	-0.7	1.9	342.7	0.0	0.6	61.2	0.1	0.7	148.7	0.3	1.2		
PG2C7C	5.4	-0.2	0.2	310.0	-1.4	0.1	57.2	-1.0	0.2	135.9	-1.0	0.2		
R3VWZB	5.9	1.1	0.8	353.3	0.4	1.6	63.0	0.5	0.6	149.7	0.4	0.7		
R3VWZY	5.9	1.1	0.8	353.3	0.4	1.6	63.0	0.5	0.6	149.7	0.4	0.7		
YCHF4T	6.0	1.5	0.2	379.5	1.4	0.2	65.5	1.2	0.1	157.5	1.1	0.7		

Sr (SubTestCode 243) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB1801		SRB1802		SRB1803	
Grand Median	5.47		343.9		61.0	
Median Abs Dev	0.21		13.8		2.0	
Avg Within Lab SD	0.15		10.7		2.0	
Labs Included	9		10		10	
Labs Reporting	9		10		10	



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

PH (SubTestCode 301)

Data units:

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	7.62	0.07	0.24	9.12	4.33X	0.02	8.26	0.94	0.76
7A3CM2	7.58	-0.05	1.59	8.59	1.15	2.37	8.03	0.14	0.89
ALACYW	7.45	-0.44	0.00	8.30	-0.57	0.13	7.85	-0.51	0.00
B6WAQM	7.69	0.27	0.98	8.50	0.65	2.42	8.07	0.28	1.23
BKAJQQ	7.33	-0.80	0.09	8.24	-0.95	0.15	7.71	-1.00	0.10
CUUCHD	7.79	0.58	0.00	8.42	0.15	0.00	7.77	-0.79	0.00
D8CLGN	7.78	0.56	0.28	8.33	-0.39	0.82	8.08	0.31	0.83
ENJQVR	8.19	1.78	3.18	8.51	0.69	1.25	8.28	1.01	1.25
LWKX2D	7.67	0.21	0.75	8.36	-0.19	0.62	8.21	0.78	3.12
M2W4DD	7.30	-0.89	0.44	8.43	0.19	0.15	7.54	-1.59	0.20
PCMCAK	7.12	-1.44	0.23	8.36	-0.19	0.40	7.65	-1.21	0.48
QEAHWE	7.41	-0.56	0.23	8.29	-0.65	0.46	7.83	-0.59	0.06
QRZFXD	7.12	-1.45	0.50	8.47	0.45	0.78	7.78	-0.75	1.16
RJ3W93	7.80	0.61	0.18	8.78	2.31	0.91	8.27	0.97	0.34
XPM6X2	7.60	0.00	0.10	8.25	-0.89	0.08	7.90	-0.34	0.06
YCHF4T	7.69	0.27	0.59	8.37	-0.15	0.23	8.06	0.25	0.47
Z8HC6X	7.11	-1.48	1.33	8.60	1.21	0.08	7.99	0.00	0.43

PH (SubTestCode 301)

Data units:

	SRW1801	SRW1802	SRW1803
Grand Median	7.60	8.40	7.99
Median Abs Dev	0.19	0.10	0.21
Avg Within Lab SD	0.11	0.08	0.10
Labs Included	17	16	17
Labs Reporting	17	17	17



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

EC (SubTestCode 302)

Data units: dS/m

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.1	-0.3	0.0	21.2	2.4	0.2	0.2	1.4	0.1
7A3CM2	0.1	1.0	0.0	21.7	2.8	1.5	0.2	0.0	0.0
ALACYW	0.1	-0.4	0.0	18.2	0.3	0.0	0.2	-0.5	0.0
B6WAQM	0.1	0.0	0.7	18.0	0.1	1.0	0.2	-0.1	0.5
BKAJQQ	0.1	1.6	2.0	17.9	0.1	0.1	0.2	0.3	0.8
CUUCHD	0.1	1.0	0.0	17.9	0.1	0.0	0.2	0.0	0.0
D8CLGN	0.1	-0.5	0.2	17.5	-0.2	0.6	0.2	0.3	2.6
ENJQVR	0.1	-0.6	2.1	15.9	-1.4	1.0	0.2	-2.3	0.6
LWKX2D	0.1	1.0	1.8	17.3	-0.4	2.0	0.2	1.9	2.8
M2W4DD	0.1	1.0	0.3	29.3	8.1X	2.0	0.2	1.1	0.1
PCMCAK	0.1	0.3	2.0	17.3	-0.4	1.9	0.3	5.1X	2.5
QEAHWE	0.1	0.0	0.4	18.9	0.7	0.4	0.2	0.1	0.4
QRZFXD	0.1	1.0	0.0	17.7	-0.1	1.7	0.2	0.0	0.0
RJ3W93	0.1	1.3	0.1	19.1	0.9	0.3	0.2	1.2	0.1
XPM6X2	0.1	-0.7	0.2	16.8	-0.7	0.4	0.2	-0.7	0.1
YCHF4T	0.1	-0.4	0.2	17.5	-0.2	0.3	0.2	-0.5	0.1
Z8HC6X	0.1	-0.4	0.2	17.7	-0.1	0.3	0.2	-0.4	0.1

EC (SubTestCode 302)

Data units: dS/m

	SRW1801	SRW1802	SRW1803
Grand Median	0.10	17.8	0.20
Median Abs Dev	0.00	0.5	0.01
Avg Within Lab SD	0.00	0.1	0.01
Labs Included	17	16	16
Labs Reporting	17	17	17



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Ca (SubTestCode 303) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW1801			SRW1802			SRW1803			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6GPH9N	0.48	0.48	0.60	0.27	-0.50	0.04	1.31	0.30	0.87	
7A3CM2	0.41	-1.15	1.05	0.06	-1.42	0.65	1.31	0.27	2.46	
ALACYW	0.41	-0.97	0.07	0.52	0.63	0.01	1.20	-0.64	0.06	
B6WAQM	0.52	1.44	0.54	0.42	0.17	0.32	1.45	1.50	0.11	
BKAJQQ	0.47	0.21	2.53	0.77	1.71	0.94	1.17	-0.89	1.37	
CUUCHD	0.45	-0.07	0.27	0.38	0.00	0.20	1.22	-0.42	0.20	
D8CLGN	0.50	1.06	0.75	0.19	-0.83	1.79	1.40	1.02	0.72	
ENJQVR	0.42	-0.80	0.98	0.18	-0.87	0.84	1.05	-1.88	0.56	
LWKX2D	0.46	0.08	1.53	0.16	-0.96	0.19	1.30	0.25	1.02	
M2W4DD	0.45	-0.14	0.22	0.43	0.20	0.32	1.23	-0.37	0.24	
PCMCAK	0.46	0.07	0.88	0.38	-0.02	0.90	1.24	-0.25	0.14	
QEAHWE	0.52	1.36	0.26	0.49	0.49	0.13	1.38	0.87	0.26	
QRZFXD	0.40	-1.34	1.01	0.67	1.28	2.93	1.22	-0.45	1.79	
RJ3W93	0.30	-3.49X	0.16	0.20	-0.80	0.17	0.80	-3.96X	0.69	
YCHF4T	0.44	-0.28	0.02	0.43	0.23	0.20	1.31	0.34	0.22	

Ca (SubTestCode 303) in the Cations Property Groups										Data units: mmolc/L
	SRW1801			SRW1802			SRW1803			
Grand Median	0.46			0.38			1.27			
Median Abs Dev	0.03			0.14			0.05			
Avg Within Lab SD	0.02			0.06			0.04			
Labs Included	14			15			14			
Labs Reporting	15			15			15			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Mg (SubTestCode 304) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.13	-0.05	0.06	0.14	0.02	1.17	0.64	-0.60	0.09
7A3CM2	0.11	-1.25	0.89	0.10	-1.73	1.25	0.69	0.00	0.22
ALACYW	0.12	-0.69	0.00	0.15	0.68	0.06	0.64	-0.55	0.02
B6WAQM	0.15	0.74	0.13	0.15	0.68	2.53	0.76	0.82	0.02
BKAJQQ	0.17	1.75	3.10	0.20	2.70	0.00	0.67	-0.26	0.54
CUUCHD	0.13	-0.08	0.08	0.14	0.13	0.58	0.69	0.05	0.07
D8CLGN	0.17	1.70	1.32	0.14	-0.01	1.10	0.55	-1.52	3.82
ENJQVR	0.13	-0.03	0.64				0.57	-1.34	0.09
LWKX2D	0.14	0.33	0.33	0.14	0.00	0.27	0.74	0.57	0.18
M2W4DD	0.13	0.03	0.03	0.13	-0.25	0.68	0.73	0.47	0.08
PCMCAK	0.20	3.67X	0.82	0.11	-0.97	1.21	0.87	2.01	0.00
QEAHWE	0.14	0.53	0.10	0.16	0.80	0.17	0.71	0.24	0.07
QRZFXD	0.15	1.06	1.12	0.36	9.63X	18.86	0.68	-0.11	0.09
RJ3W93	0.12	-0.88	0.20	0.12	-0.52	0.18	0.57	-1.33	0.16
YCHF4T	0.13	-0.33	0.01	0.13	-0.27	0.30	0.71	0.23	0.02

Mg (SubTestCode 304) in the Cations Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.13	0.14	0.69
Median Abs Dev	0.01	0.01	0.05
Avg Within Lab SD	0.02	0.01	0.11
Labs Included	14	13	15
Labs Reporting	15	14	15



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Na (SubTestCode 305) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.3	-0.4	1.0	49.0	-1.8	0.0	0.5	3.0	0.1
7A3CM2	0.3	0.2	1.8	65.7	-1.7	0.6	0.5	2.8	1.4
ALACYW	0.3	-0.5	0.0	241.4	0.2	0.1	0.1	-0.5	0.0
B6WAQM	0.4	2.0	1.0	283.4	0.6	0.5	0.2	0.1	0.3
BKAJQQ	0.3	-0.8	0.0	195.7	-0.3	1.0	0.2	-0.2	0.6
CUUCHD	0.3	-0.3	0.2	173.8	-0.5	1.0	0.2	0.1	0.1
D8CLGN	0.4	1.9	2.1	230.7	0.1	0.7	0.7	5.5X	0.4
ENJQVR	0.3	-0.9	0.4	202.5	-0.2	1.2	0.2	-0.3	0.0
LWKX2D	0.4	1.0	0.5	230.5	0.1	0.7	0.2	0.0	0.1
M2W4DD	0.3	-0.1	0.0	71.5	-1.6	0.2	0.2	0.0	0.1
PCMCAK	0.3	0.1	0.4	292.4	0.7	0.6	0.2	-0.4	0.0
QEAHWE	0.4	1.1	0.3	257.8	0.4	0.4	0.2	-0.2	0.1
QRZFXD	0.3	0.6	2.2	224.2	0.0	3.2	0.2	0.2	0.4
RJ3W93	0.3	-0.8	0.9	3.2	-2.3	0.0	0.4	2.0	3.5
XPM6X2	0.3	0.1	0.1	224.2	0.0	0.1	0.2	-0.3	0.0
YCHF4T	0.3	-0.2	0.1	255.9	0.3	0.2	0.2	0.0	0.5

Na (SubTestCode 305) in the Cations Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.32	224.2	0.19
Median Abs Dev	0.02	32.6	0.02
Avg Within Lab SD	0.01	7.1	0.09
Labs Included	16	16	15
Labs Reporting	16	16	16



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.020	0.350	0.655	0.027	-0.099	0.054	0.035	0.342	0.486
7A3CM2	0.011	-1.113		0.289	1.113	1.749	0.033	0.059	2.764
ALACYW	0.019	0.189	0.000	0.036	-0.057	0.007	0.030	-0.503	0.060
B6WAQM				0.424	1.737	1.143			
CUUCHD	0.017	-0.171	0.229	0.058	0.045	0.109	0.030	-0.373	0.139
ENJQVR	0.024	0.888	0.025				0.034	0.199	0.103
LWKX2D	0.018	0.062	0.086	0.030	-0.082	0.059	0.030	-0.430	0.356
M2W4DD	0.019	0.189	0.150	0.633	2.700	1.023	0.043	1.661	0.302
PCMCAK	0.017	-0.171	0.864	0.170	0.563	0.600	0.033	0.096	0.693
QEAHWE	0.017	-0.062	0.163	0.033	-0.071	0.022	0.032	-0.144	0.083
QRZFXD	0.047	4.459	3.116	0.373	1.502	2.491	0.057	3.748	1.833
RJ3W93	0.111	14.447X	5.157	1.887	8.487X	1.172	0.112	12.431X	9.764
XPM6X2	0.016	-0.325	0.086	0.031	-0.080	0.007	0.030	-0.477	0.139
YCHF4T	0.017	-0.114	0.014	0.038	-0.045	0.077	0.032	-0.059	0.063

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.018	0.048	0.033
Median Abs Dev	0.001	0.020	0.002
Avg Within Lab SD	0.007	0.083	0.008
Labs Included	12	12	12
Labs Reporting	13	13	13



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
ALACYW	0.003		0.000				0.004		0.016
LWKX2D	0.058		1.732	0.064		1.414	0.049		1.732
QEAHWE	0.001		0.023	0.001		0.000	0.004		0.016

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

	SRW1801	SRW1802	SRW1803
Grand Median	0.003	0.032	0.004
Median Abs Dev			
Avg Within Lab SD	0.039	0.029	0.035
Labs Included	3	2	3
Labs Reporting	3	2	3



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sum Cations (SubTestCode 308) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW1801			SRW1802			SRW1803			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	0.8	-1.6	0.8	66.1	-1.8	1.2	2.5	1.3	2.4	
ALACYW	0.9	-1.4	0.1	242.1	0.0	0.1	2.0	-1.9	0.0	
B6WAQM	1.1	0.4	0.3	284.4	0.4	1.1	2.4	0.8	0.4	
LWKX2D	1.0	0.2	1.9	230.9	-0.1	1.3	2.3	0.1	1.1	
M2W4DD	0.9	-0.8	0.2	72.7	-1.7	0.4	2.2	-0.7	0.2	
PCMCAK	1.0	0.0	1.6	293.0	0.5	1.3	2.3	0.0	0.1	
QEAHWE	1.0	0.3	0.2	258.4	0.2	0.8	2.3	0.0	0.1	

Sum Cations (SubTestCode 308) in the Cations Property Groups										Data units: mmolc/L
	SRW1801			SRW1802			SRW1803			
Grand Median		1.01			242.1			2.30		
Median Abs Dev		0.05			42.3			0.10		
Avg Within Lab SD		0.03			3.5			0.07		
Labs Included		7			7			7		
Labs Reporting		7			7			7		



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
ALACYW	0.6	0.4	0.1	415.3	0.4	0.0	0.2	-0.2	0.0
BKAJQQ	0.5	-1.9		282.3	-0.3	1.2	0.2	0.0	0.3
CUUCHD	0.6	0.0	0.2	340.8	0.0	0.8	0.2	0.3	0.1
PCMCAK	0.6	-0.5	0.7	565.0	1.1	1.7	0.2	-0.2	0.0
RJ3W93	0.6	0.5	1.8	7.4	-1.6	0.0	0.4	2.7	2.2

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

	SRW1801	SRW1802	SRW1803
Grand Median	0.58	340.8	0.17
Median Abs Dev	0.02	74.5	0.02
Avg Within Lab SD	0.02	16.1	0.17
Labs Included	5	5	5
Labs Reporting	5	5	5



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Adj-SAR (SubTestCode 310) in the Cations Property Groups

Data units:

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
BKAJQQ	0.3		1.0	400.0		1.0	0.2		1.0

Adj-SAR (SubTestCode 310) in the Cations Property Groups

Data units:

	SRW1801	SRW1802	SRW1803
Grand Median	0.30	400.0	0.17
Median Abs Dev			
Avg Within Lab SD	0.00	15.7	0.06
Labs Included	1	1	1
Labs Reporting	1	1	1



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

HCO3 (SubTestCode 311) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7A3CM2	0.7	0.5	0.6	218.4	0.0	0.3	1.9	0.1	0.1
ALACYW	0.6	-0.5	0.0	212.0	-0.3		1.9	-0.2	0.0
B6WAQM	0.7	0.3	0.9	218.8	0.0	0.2	1.9	0.0	0.3
BKAJQQ	0.4	-2.4	0.0	235.0	0.8	0.1	1.4	-1.8	0.5
LWKX2D	0.6	-0.7	2.6	178.1	-2.0	2.8	1.3	-2.3	2.5
M2W4DD	0.7	0.7	1.0				2.0	0.4	0.1
PCMCAK	0.7	0.4	0.0	212.5	-0.3	0.0	1.9	0.0	0.0
QEAHWE	0.6	-0.5	0.4	219.2	0.0	0.0	2.0	0.3	0.1
QRZFXD	0.7	0.0	0.1	201.4	-0.8	0.1	1.9	0.0	0.2
Z8HC6X	1.1	4.5X	4.4	254.6	1.8	0.2	2.4	1.7	1.8

HCO3 (SubTestCode 311) in the Anions Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.66	218.4	1.91
Median Abs Dev	0.06	6.4	0.06
Avg Within Lab SD	0.07	36.8	0.44
Labs Included	9	9	10
Labs Reporting	10	9	10



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7A3CM2				4.34	-0.17	0.57			
ALACYW				6.00	-0.07				
B6WAQM				20.81	0.78	1.71			
M2W4DD				56.23	2.82	1.11			
QEAHWE				4.83	-0.14	0.15			
QRZFXD				8.50	0.07	0.71			

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

	SRW1801	SRW1802	SRW1803
Grand Median		7.25	
Median Abs Dev		2.67	
Avg Within Lab SD	0.00	1.65	0.00
Labs Included	0	6	0
Labs Reporting	0	6	0



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

CI (SubTestCode 313) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.1	-1.2	2.1				0.4	2.5	3.0
7A3CM2	0.2	0.9	1.8	35.5	1.4	0.7	0.1	0.1	1.2
ALACYW	0.2	0.6	0.0	26.8	0.1	0.0	0.1	-0.6	0.0
B6WAQM	0.1	-0.3	0.4	28.9	0.4	3.4	0.1	-0.8	0.3
BKAJQQ	0.1	-0.1	1.3	26.3	0.0	0.2	0.2	0.9	1.1
CUUCHD	0.1	-0.2	0.0	12.3	-2.1	0.0	0.1	-0.1	0.3
D8CLGN	0.2	0.9	0.7	25.5	-0.1	0.2	0.2	0.5	0.4
ENJQVR	5.3	65.6X	66.2	922.7	135.9X	4.7	1.0	9.4X	
LWKX2D	0.3	1.3	1.3	22.8	-0.5	0.8	0.3	1.3	0.8
M2W4DD	0.2	1.0	1.1	16.6	-1.4	0.7	0.2	0.5	0.6
PCMCAK	0.1	-0.4	0.0	26.6	0.1	0.1	0.0	-1.1	0.0
QEAHWE	0.1	-0.6	0.1	27.6	0.2	0.1	0.1	-0.6	0.0
QRZFXD	0.2	0.0	0.3	21.3	-0.7	0.6	0.1	0.0	1.2
RJ3W93	0.3	1.9	1.2	16.4	-1.5	0.1	0.1	0.0	0.4
YCHF4T	0.1	-0.4	0.2	25.8	0.0	0.1	0.0	-1.1	0.1
Z8HC6X	0.2	0.3	0.7	31.4	0.8	0.5	0.1	0.0	0.5

CI (SubTestCode 313) in the Anions Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.15	26.0	0.14
Median Abs Dev	0.04	3.1	0.05
Avg Within Lab SD	0.02	1.0	0.04
Labs Included	15	14	15
Labs Reporting	16	15	16



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.006	-0.179	0.398	0.012	-0.047	0.086	0.031	-0.256	1.523
7A3CM2	0.011	0.214	1.859	0.017	0.003	0.269	0.031	-0.243	1.062
ALACYW	0.005	-0.256	0.000	0.004	-0.116	0.000	0.036	0.011	0.269
B6WAQM	0.021	0.894	0.191	0.339	2.875	3.559	0.017	-0.938	0.144
BKAJQQ	0.020	0.831	0.000	0.397	3.391	0.161	0.087	2.507	1.016
CUUCHD	0.004	-0.328	0.000	0.005	-0.107	0.000	0.033	-0.137	0.102
D8CLGN	0.001	-0.519	0.368	0.000	-0.151		0.007	-1.443	0.305
ENJQVR	0.069	4.346X	4.585	0.035	0.161	0.072	0.061	1.234	0.702
M2W4DD	0.002	-0.473		0.003	-0.128	0.032	0.031	-0.253	0.000
PCMCAK				0.017	-0.003	0.161	0.043	0.359	1.016
QEAHWE	0.002	-0.480	0.102	0.004	-0.120	0.020	0.031	-0.255	0.192
QRZFXD	0.040	2.281	2.478	0.043	0.235	0.425	0.067	1.515	2.689
RJ3W93	0.029	1.459	1.001	0.019	0.021	0.113	0.052	0.788	1.232
XPM6X2	0.011	0.179	0.248	0.251	2.087	0.043	0.040	0.177	0.102
YCHF4T							0.036	0.000	0.029
Z8HC6X							0.117	3.995X	2.689

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.009	0.017	0.036
Median Abs Dev	0.007	0.014	0.005
Avg Within Lab SD	0.004	0.036	0.006
Labs Included	12	14	15
Labs Reporting	13	14	16



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7A3CM2	0.09	0.09	0.63	0.16	0.44	1.35	0.05	-0.12	0.06
ALACYW	0.08	-0.39	0.31	0.12	-0.30	0.14	0.06	0.04	0.05
B6WAQM	0.05	-2.24	0.07	0.14	-0.06	0.38	0.03	-0.64	0.02
BKAJQQ	0.09	0.23	0.76	0.18	0.69	0.64	0.05	-0.14	0.00
D8CLGN	0.10	0.76	1.19	0.10	-0.81	2.62	0.07	0.48	0.05
LWKX2D	0.09	0.20	1.30	0.20	1.08	0.82	0.15	2.54	3.31
M2W4DD	0.09	-0.04	0.12	0.14	0.07	0.06	0.05	-0.04	0.03
PCMCAK	0.07	-0.94	0.00	0.02	-2.29	0.00	0.05	-0.14	0.00
QEAHWE	0.08	-0.12	0.13	0.14	0.06	0.23	0.07	0.33	0.02
QRZFXD	0.09	0.04	2.65	3.26	59.44X	106.50	0.09	0.99	0.91
XPM6X2	0.06	-1.44	0.04	0.09	-0.96	0.03	0.05	-0.15	0.01
Z8HC6X	0.11	1.60	0.87				0.14	2.49	0.41

SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.086	0.14	0.055
Median Abs Dev	0.005	0.03	0.008
Avg Within Lab SD	0.013	0.02	0.050
Labs Included	12	10	12
Labs Reporting	12	11	12



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Sum Anions (SubTestCode 316) in the Anions Property Groups										Data units: mmolc/L
WebCode	SRW1801			SRW1802			SRW1803			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7A3CM2	1.0	1.5	0.9	254.0	0.2	0.2	2.2	0.7	0.2	
ALACYW	0.9	-0.1	0.1	244.9	0.0	0.0	2.0	0.0	0.0	
B6WAQM	0.9	-0.1	0.8	269.0	0.4	0.4	2.0	-0.1	0.4	
LWKX2D	0.9	0.4	2.0	201.0	-0.8	2.6	1.7	-1.9	2.6	
M2W4DD	1.0	1.6	1.2	73.0	-3.1	0.0	2.3	1.3	0.1	
PCMCAK	0.9	0.0	0.0	239.1	-0.1	0.0	2.0	0.0	0.0	
QEAHWE	0.8	-1.0	0.3	251.8	0.1	0.0	2.2	0.6	0.1	

Sum Anions (SubTestCode 316) in the Anions Property Groups										Data units: mmolc/L
	SRW1801			SRW1802			SRW1803			
Grand Median	0.89			244.9			2.03			
Median Abs Dev	0.04			9.1			0.12			
Avg Within Lab SD	0.08			39.5			0.45			
Labs Included	7			7			7			
Labs Reporting	7			7			7			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7A3CM2	-0.18	-1.16	0.71	-187.88	-2.75	0.24	0.32	0.40	0.41
ALACYW	-0.02	-0.30	0.03	-2.83	-0.09	0.01	-0.01	-0.75	0.01
LWKX2D	0.10	0.30	2.09	29.91	0.38	2.43	0.63	1.51	2.41
M2W4DD	-0.12	-0.85	0.93	-0.29	-0.05	0.01	-0.07	-0.96	0.09
PCMCAK	0.12	0.39	0.44	53.94	0.73	0.09	0.26	0.21	0.01
QEAHWE	0.25	1.06	0.27	6.63	0.05	0.08	0.14	-0.21	0.07

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

	SRW1801	SRW1802	SRW1803
Grand Median	0.042	3.17	0.20
Median Abs Dev	0.119	16.37	0.16
Avg Within Lab SD	0.092	41.48	0.49
Labs Included	6	6	6
Labs Reporting	6	6	6



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.023	0.290	1.499	0.012	0.000	2.271	0.024	1.427	2.574
ALACYW	0.006	-0.663	0.137	0.025	0.913	0.276	0.005	-0.108	0.046
B6WAQM				2.520	72.181X	43.609			
BKAJQQ	0.027	0.492	0.684	0.043	2.148	1.044	0.033	2.151	0.457
D8CLGN	0.018	0.000	0.940	0.008	-0.254	0.731	0.007	0.000	0.366
LWKX2D	0.003	-0.873	0.329	0.011	-0.102	0.379	0.003	-0.310	0.168
M2W4DD	0.043	1.439	1.809	0.020	0.546	0.000	0.010	0.269	0.000
QEAHWE	0.001	-0.965	0.000	0.001	-0.758	0.000	0.001	-0.457	0.000

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.018	0.012	0.007
Median Abs Dev	0.012	0.008	0.004
Avg Within Lab SD	0.008	0.006	0.013
Labs Included	7	7	7
Labs Reporting	7	8	7



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: mg/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6GPH9N	0.27		2.00	0.25		0.91	0.29		1.99
QEAHWE	0.01		0.08	0.22		1.47	0.02		0.13
XPM6X2	0.02		0.02	0.17		0.07	0.07		0.19
YCHF4T	0.01		0.02				0.02		0.00

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

Data units: mg/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.014	0.22	0.042
Median Abs Dev			
Avg Within Lab SD	0.026	0.01	0.013
Labs Included	4	3	4
Labs Reporting	4	3	4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

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

Data units: mg/L

WebCode	SRW1801			SRW1802			SRW1803		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
ALACYW	0.032		0.139	0.087		0.038	0.046		0.081
LWKX2D	0.061		1.714	0.367		1.996	0.099		1.943
M2W4DD	0.017		0.210	0.053		0.125	0.027		0.467
YCHF4T				0.040		0.014	0.020		0.000

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

Data units: mg/L

	SRW1801	SRW1802	SRW1803
Grand Median	0.032	0.070	0.036
Median Abs Dev			
Avg Within Lab SD	0.055	0.122	0.012
Labs Included	3	4	4
Labs Reporting	3	4	4



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups										Data units: mg/L	
			SRW1801			SRW1802			SRW1803		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
LWKX2D	104.1		1.0	80.1		1.0	70.7		1.0		

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups										Data units: mg/L	
			SRW1801			SRW1802			SRW1803		
Grand Median		104.1			80.1			70.7			
Median Abs Dev											
Avg Within Lab SD		39.7			38.5			41.1			
Labs Included		1			1			1			
Labs Reporting		1			1			1			



ALP Program - Participant Web Summary Report - Cycle 35 - Spring 2018