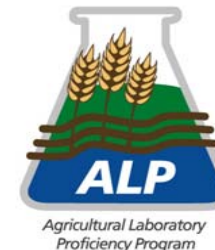


ALP Program

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 2022 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Spring 2022 (Cycle 47) was completed in May 2022, with participation by 113 labs from the United States, Canada, Guatemala, Honduras, Colombia, South Africa, Italy, Ireland, Ukraine, Serbia, South Africa and the Philippines. Proficiency samples consisted of five soils, four botanical and three water samples. Analytical methods evaluated are based on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry



Standard Reference Soils (SRS), materials for the soils program were: SRS2201 a sandy loam collected from Prince Edward Island, CANADA; SRS2202 a Cotaco loam collected from Raleigh Cty, WV; SRS2203 a Danvers-Shaak clay collected from Yellowstone Cty, MT; SRS2204 a Webster clay loam collected from Worth Cty, IA; and SRS2205 a Bruella sandy loam collected from Sacramento Cty, CA. Standard Reference Botanical (SRB) materials were: SRB2201 chive leaf composite from CA; SRB2202 barley grass composite from OR; SRB2203 almond leaf composite from CA; and SRB2204 potato petiole composite from ID. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW2201 a domestic well source in CO, SRW2202 a source in Fairplay, CO, and SRW2203 a domestic water source 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 5 reported results.

Web Summary Report Table of Contents

1	Cover page
2	Special Topics
6	Soil Analyses
147	Botanicals Analyses
204	Water Analyses





Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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

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



Key to Data Tables

Laboratory Results

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

Consensus Results

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

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



Choosing the Statistics Used

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

Why did we decide this?

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

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



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



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6RHUVL	42.5	0.38	0.11	42.3	0.37	0.05	61.1	0.98	0.09	60.4	0.40	0.13	33.8	-0.22	0.00	
A2BQTW	43.8	0.58	0.16	41.9	0.29	0.09	61.6	1.04	0.60	65.4	1.14	0.34	37.4	0.38	0.09	
ADKB8H	34.4	-0.81		35.2	-0.76		45.8	-0.78		52.5	-0.76		32.8	-0.38		
AYEFNG	39.0	-0.13		39.3	-0.11	0.27	52.0	-0.07		56.7	-0.15	0.38	35.0	-0.02		
C4NC99	39.0	-0.13	0.41	40.3	0.05	0.71	54.3	0.20	1.62	58.7	0.15	0.38	40.3	0.86	0.16	
CBQEHF	40.8	0.13	2.25	42.9	0.47	3.03	56.3	0.42	1.51	62.7	0.74	2.53	49.2	2.32	3.47	
E72W78	35.3	-0.68	0.02	35.3	-0.75	0.03	48.9	-0.43	0.34	52.5	-0.76		31.1	-0.66	0.02	
EXBBZA	47.1	1.06		45.2	0.83		67.7	1.74		65.1	1.09		38.1	0.49		
GDGCVM	37.3	-0.38	0.24	34.7	-0.85	0.27	47.7	-0.57	0.90	53.7	-0.59	0.77	33.3	-0.30	0.16	
J4ZF4L	35.9	-0.59	0.20	36.5	-0.55	0.19	52.2	-0.05	0.49	52.9	-0.70	0.10	33.3	-0.30	0.06	
JR9NJG	36.0	-0.57		34.0	-0.95		48.0	-0.53		50.0	-1.12		31.0	-0.68		
MC2YV7	34.7	-0.75	0.26	34.9	-0.80	0.10	47.9	-0.54	0.56	52.4	-0.77	0.15	30.9	-0.71	0.10	
NL2V89	41.3	0.21	0.63	39.7	-0.05	0.54	53.7	0.12	1.62	60.0	0.34		40.7	0.91	0.71	
QPEHWX	49.3	1.38	1.19	47.0	1.11	1.08	69.0	1.89	1.48	66.3	1.26	1.62	37.7	0.42	0.43	
UPML67	48.1	1.20	1.00	50.3	1.64	1.52	53.0	0.05	0.18	62.1	0.65	1.22	46.8	1.92	0.30	
WTZ9M4	45.4	0.80	2.19	42.6	0.42	0.55	51.8	-0.09	1.01	55.0	-0.40	0.37	35.3	0.02	0.26	
XQ7LRR	44.8	0.71	0.12	44.6	0.74	0.18	69.7	1.97	0.63	63.8	0.90	0.53	37.5	0.39	0.08	
YAJLEZ	28.6	-1.66		31.1	-1.41		46.7	-0.68		55.9	-0.26		28.1	-1.16		

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups														Data units: Percent		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	39.9			40.0			52.6			57.7			35.1			
Median Abs Dev	4.3			4.7			4.6			4.9			2.8			
Avg Within Lab SD	2.4			2.2			1.3			1.5			3.6			
Labs Included	18			18			18			18			18			
Labs Reporting	18			18			18			18			18			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH - sp (SubTestCode 102) in the Salinity Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6RHUVL	4.43	0.89	0.23	5.44	1.15	0.23	7.68	0.51	0.15	6.05	0.56	0.23	7.08	0.74	0.30	
7RA69Z	4.30	0.17	0.48	5.24	-0.25	0.23	7.59	0.02	0.41	5.93	-0.43	0.11	6.74	-1.57	0.00	
A2BQTW	4.25	-0.11	0.27	5.24	-0.23	0.20	7.36	-1.22	0.98	5.96	-0.20	0.23	6.90	-0.49	0.15	
A76LRH	4.32	0.25	0.75	5.34	0.43	0.74	7.74	0.84	1.48	6.05	0.54	1.72	6.99	0.11	0.89	
ADKB8H	4.00	-1.55		5.10	-1.17		6.70	-4.85X		5.50	-3.80X		6.40	-3.85X		
AHUREL	4.24	-0.17	0.94	5.40	0.86	3.79	7.21	-2.04	1.53	5.97	-0.07	0.60	7.10	0.87	2.28	
AYEFNG	4.16	-0.66	0.58	5.16	-0.75	0.23	7.62	0.20	0.32	5.84	-1.12	0.39	6.83	-0.96	0.15	
C4NC99	4.18	-0.51	1.05	5.11	-1.08	0.49	7.38	-1.13	2.87	6.13	1.17	1.81	6.97	0.00	0.51	
CBQEHF	4.52	1.40	0.61	5.48	1.40	0.20	7.80	1.15	0.78	6.12	1.06	0.80	7.18	1.39	0.58	
D8M7NP	7.44	17.98X		6.30	6.96X		6.92	-3.65X		6.59	4.79X		7.08	0.72		
E72W78	4.22	-0.32	0.48	5.23	-0.32	0.11	7.58	-0.02	0.09	5.88	-0.80	0.20	6.82	-1.05	0.30	
EXBBZA	4.38	0.61		5.39	0.79		7.43	-0.86		6.02	0.30		7.12	0.99		
GDGCVM	4.05	-1.29	2.16	4.99	-1.92	0.71	7.43	-0.84	0.32	5.97	-0.09	1.04	7.00	0.18	1.02	
HPK369	4.26	-0.07	0.15	5.24	-0.20	0.11	7.58	-0.06	0.15	5.87	-0.90	0.28	6.89	-0.55	0.13	
J4ZF4L	4.25	-0.11	0.58	5.27	0.00	0.11	7.53	-0.31	0.71	6.05	0.51	1.89	7.07	0.63	0.80	
JR9NJG	4.14	-0.76	1.06	5.15	-0.81	0.63	7.47	-0.66	0.18	6.07	0.67	1.38	6.84	-0.90	0.00	
M8W3B7	4.43	0.89	1.39	5.38	0.75	0.63	7.65	0.36	0.63	5.98	-0.01	0.71	6.95	-0.13	2.08	
NL2V89	4.21	-0.38	0.94	5.17	-0.68	0.60	7.61	0.13	0.54	6.12	1.09	0.99	6.80	-1.19	1.76	
QPEHWX	4.35	0.45	0.81	5.34	0.43	0.74	7.63	0.22	0.72	5.98	0.01	1.38	7.01	0.25	1.69	
TMZPYZ	4.27	0.00	0.13	5.29	0.14	0.30	7.66	0.40	0.27	5.95	-0.25	0.68	6.96	-0.11	0.08	
UPML67	4.37	0.53	1.34	5.27	-0.05	1.14	7.67	0.44	0.89	5.93	-0.38	1.14	6.97	-0.04	0.84	
WTZ9M4	4.51	1.32	2.16	5.38	0.75	0.89	7.52	-0.38	1.61	6.11	0.99	0.50	7.06	0.60	0.45	
XQ7LRR	4.33	0.30	0.27	5.35	0.52	0.39	7.61	0.11	0.24	5.97	-0.07	0.63	6.93	-0.31	0.51	
YAJLEZ	4.76	2.76		5.40	0.86		7.05	-2.94		6.44	3.61		7.23	1.72		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH - sp (SubTestCode 102) in the Salinity Property Groups						Data units: Unit
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	4.27	5.27	7.59	5.98	6.97	
Median Abs Dev	0.09	0.11	0.08	0.07	0.09	
Avg Within Lab SD	0.04	0.05	0.06	0.05	0.07	
Labs Included	23	23	22	22	23	
Labs Reporting	24	24	24	24	24	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

ECe - sp (SubTestCode 103) in the Salinity Property Groups															Data units: dS/m		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6RHUVL	2.42	1.07	0.32	2.81	0.96	0.06	1.33	1.69	0.29	0.21	-0.82	0.02	0.61	0.44	0.06		
7RA69Z	1.83	-0.77	0.08	2.21	-0.90	0.74	1.00	-0.91	0.28	0.24	-0.41	0.36	0.40	-1.21	0.57		
A2BQTW	1.69	-1.21	0.50	2.00	-1.53	0.06	1.05	-0.52	0.52	0.18	-1.30	0.23	0.52	-0.21	0.35		
AHUREL	2.37	0.91	1.59	2.87	1.15	1.13	1.27	1.22	1.43	0.22	-0.66	1.00	0.69	1.12	1.99		
AYEFNG	2.06	-0.04	0.14	2.56	0.20	0.19	1.11	0.00	0.13	0.32	0.90	0.09	0.55	0.03	1.19		
C4NC99	2.08	0.00	0.16	2.50	0.00	0.85	1.13	0.16	1.79	0.34	1.16	1.15	0.47	-0.63	0.31		
CBQEHF	1.84	-0.74	2.25	2.22	-0.85	1.62	1.01	-0.80	0.76	0.23	-0.56	1.68	0.45	-0.80	1.78		
D8M7NP	1.90	-0.55		2.40	-0.30		1.21	0.77		0.39	2.01		0.55	0.00			
E72W78	2.33	0.79	0.28	2.86	1.13	0.59	1.17	0.45	0.43	0.21	-0.82	0.23	0.65	0.81	0.18		
EXBBZA	2.13	0.17		2.64	0.44		1.15	0.28		0.27	0.04		0.69	1.13			
GDGCVM	2.17	0.29	0.48	2.67	0.55	0.62	1.27	1.22	1.03	0.27	0.04	0.61	0.68	0.99	0.35		
HPK369	1.76	-1.00	0.13	2.22	-0.85	0.16	0.99	-1.01	0.06	0.25	-0.31	0.03	0.46	-0.74	0.13		
J4ZF4L	1.92	-0.49	0.24	2.37	-0.39	0.80	0.94	-1.39	0.76	0.11	-2.47	0.40	0.48	-0.52	0.47		
JR9NJG	2.23	0.47	0.48	2.77	0.84	0.41	1.16	0.35	0.57	0.35	1.32	0.46	0.56	0.08	0.31		
M8W3B7	2.09	0.05	1.17	2.57	0.22	0.25	1.03	-0.68	1.89	0.29	0.46	1.00	0.48	-0.58	1.45		
MC2YV7	2.42	1.06	1.03	2.89	1.22	0.19	1.31	1.53	0.61	0.26	-0.02	0.60	0.70	1.17	0.14		
NL2V89	1.88	-0.62	0.41	2.44	-0.19	0.28	1.07	-0.34	0.25	0.31	0.73	0.00	0.44	-0.84	0.18		
QPEHWX	2.02	-0.19	1.31	2.47	-0.07	0.82	1.11	0.00	1.37	0.27	0.11	2.33	0.58	0.27	2.05		
TMZPYZ	2.17	0.31	1.14	2.70	0.63	0.16	1.12	0.04	1.32	0.25	-0.20	0.18	0.39	-1.23	0.62		
UPML67	1.70	-1.19	1.21	1.93	-1.77	1.59	1.07	-0.37	0.72	0.28	0.25	0.40	0.34	-1.62	0.93		
WTZ9M4	1.49	-1.85	2.03	2.20	-0.91	3.13	0.95	-1.28	1.81	0.26	0.00	2.60	0.56	0.06	1.55		
XQ7LRR	2.20	0.38	0.42	2.60	0.31	0.25	1.05	-0.47	0.38	0.28	0.23	0.32	0.50	-0.37	0.63		
YAJLEZ	2.51	1.36		2.46	-0.11		1.11	-0.05		0.22	-0.71		0.64	0.67			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

ECe - sp (SubTestCode 103) in the Salinity Property Groups						Data units: dS/m
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	2.08	2.50	1.11	0.26	0.55	
Median Abs Dev	0.20	0.20	0.07	0.04	0.08	
Avg Within Lab SD	0.07	0.10	0.04	0.03	0.03	
Labs Included	23	23	23	23	23	
Labs Reporting	23	23	23	23	23	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

HCO3 -sp (SubTestCode 104) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
AHUREL				0.51	0.00	1.11	1.54	0.18	1.43	0.98	-1.08	1.01	5.04	0.63	0.85
CBQEHF	-0.05	-1.19	0.00	0.28	-0.94	0.57	1.19	-0.70	1.13	0.93	-1.19	2.00	2.73	-1.16	1.70
D8M7NP				0.66	0.59		1.72	0.65		1.44	0.00		2.80	-1.11	
E72W78	0.20	0.00	0.00	0.60	0.35	0.00	1.40	-0.17	0.00	1.60	0.38	0.00	4.80	0.44	0.00
GDGCVM	0.27	0.32	1.18	0.47	-0.19	1.90	1.47	0.00	0.81	1.47	0.06	0.64	4.67	0.34	1.64
JR9NJG	0.11	-0.41	0.49	0.66	0.59	0.41	1.98	1.31	0.61	1.39	-0.13	1.17	4.22	-0.01	0.59
MC2YV7	0.12	-0.40	0.01	0.42	-0.37	0.03	1.12	-0.88	0.37	1.62	0.42	0.31	4.35	0.10	0.28
UPML67	0.24	0.18	0.41	0.39	-0.51	0.45	1.19	-0.72	0.11	0.66	-1.83	0.24	1.28	-2.28	0.34
WTZ9M4	0.66	2.22	2.28	1.14	2.53	1.57	2.04	1.46	1.87	1.86	0.98	1.03	4.23	0.00	1.08

HCO3 -sp (SubTestCode 104) in the Salinity Property Groups													Data units: mmolc/L		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	0.20			0.51			1.47			1.44			4.23		
Median Abs Dev	0.08			0.13			0.27			0.18			0.57		
Avg Within Lab SD	0.10			0.12			0.14			0.18			0.25		
Labs Included	7			9			9			9			9		
Labs Reporting	7			9			9			9			9		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6RHUVL	1.51	1.03	0.46	1.50	0.44	0.26	0.16	0.09	0.60				0.50	0.67	0.87	
7RA69Z	1.18	-0.72	0.43	1.17	-1.51	0.70							0.60	1.72	1.30	
A2BQTW	1.32	0.02	0.51	1.46	0.21	0.31	0.15	-0.19	0.28	0.06	-1.38	0.03	0.42	-0.16	0.40	
AHUREL	1.43	0.62	0.60	1.61	1.09	1.43	0.16	0.18	0.92	0.10	0.14	1.51	0.50	0.74	1.69	
AYEFNG	1.24	-0.41	0.27	1.38	-0.26	0.31	0.14	-0.44	0.19	0.08	-0.72	0.09	0.42	-0.17	0.04	
C4NC99	1.23	-0.44	0.74	1.33	-0.55	0.86	0.20	1.15	0.00	0.10	0.14		0.40	-0.33	0.00	
D8M7NP	1.30	-0.09		1.37	-0.33		0.15	-0.18		0.06	-1.55		0.37	-0.63		
E72W78	1.35	0.18	0.13	1.46	0.18	0.23	0.15	-0.31	0.12	0.07	-1.13	0.00	0.45	0.22	0.87	
EXBBZA	1.42	0.55		1.58	0.91		0.15	-0.18					0.58	1.53		
GDGCVM	1.46	0.77	0.26	1.72	1.72	0.76	0.23	2.03	1.39	0.12	1.13	1.75	0.52	0.94	1.59	
HPK369	0.96	-1.91	0.71	1.27	-0.93	0.76	0.11	-1.15	0.65	0.08	-0.79	0.33	0.31	-1.23	0.46	
JR9NJG	1.51	1.02	0.29	1.75	1.92	0.32	0.17	0.22	0.58	0.11	0.50	0.35	0.54	1.11	0.32	
M8W3B7	1.24	-0.41	0.77	1.44	0.10	2.15	0.16	0.00	1.83	0.08	-0.57	0.66	0.35	-0.84	1.83	
MC2YV7	1.59	1.46	0.26	1.57	0.84	0.05	0.31	4.07X	2.61	0.11	0.52	0.95	0.54	1.07	0.05	
QPEHWX	1.10	-1.14	1.21	1.37	-0.35	2.09	0.16	0.09					0.44	0.05	0.24	
TMZPYZ	1.31	-0.02	0.23	1.43	0.02	0.10							0.39	-0.43	1.19	
UPML67	1.34	0.14	3.29	1.24	-1.10	0.59	0.29	3.45	2.11	0.18	3.53X	2.06	0.38	-0.57	1.05	
WTZ9M4	1.04	-1.47	1.26	1.28	-0.88	1.58	0.13	-0.71	1.04	0.10	0.00	1.75	0.43	-0.05	1.35	
XQ7LRR	1.29	-0.14	0.34	1.42	-0.02	0.56	0.13	-0.62	0.35				0.41	-0.22	0.42	
YAJLEZ	1.49	0.94		1.40	-0.14		0.18	0.49		0.10	0.21		0.51	0.81		

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmolc/L		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	1.32			1.43			0.16			0.10			0.43			
Median Abs Dev	0.11			0.08			0.01			0.01			0.06			
Avg Within Lab SD	0.08			0.07			0.02			0.02			0.02			
Labs Included	20			20			17			13			20			
Labs Reporting	20			20			18			14			20			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca - sp (SubTestCode 106) in the Salinity Property Groups

Data units: mmolc/L

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6RHUVL	15.3	1.04	0.49	14.6	0.81	0.13	8.3	1.61	0.52	2.0	0.58	0.37	4.0	0.58	0.10
7RA69Z	10.6	-0.91	0.29	10.1	-1.30	0.69	6.1	-0.58	0.22	1.6	-0.48	0.55	2.2	-0.93	0.55
A2BQTW	11.7	-0.44	0.07	11.9	-0.46	0.33	7.0	0.27	0.72	1.2	-1.77	0.36	3.1	-0.17	0.61
AHUREL	15.1	0.98	0.50	15.1	1.07	1.70	8.5	1.85	1.48	1.9	0.36	0.06	4.5	1.00	1.43
AYEFNG	12.8	0.00	0.38	12.8	-0.02	0.10	6.8	0.12	0.09	2.1	1.10	0.15	3.3	0.00	0.23
B9N67L	176.2	67.61X	3.58	168.9	74.03X	10.48	197.4	198.29X	8.23	42.4	128.74X	0.84	28.7	21.19X	0.32
C4NC99	12.1	-0.29	0.41	12.3	-0.28	0.30	6.5	-0.19	0.30	1.7	-0.21	0.16	2.4	-0.74	0.28
CBQEHF	10.5	-0.91	2.67	9.8	-1.46	2.14	6.0	-0.71	1.53	1.7	-0.25	1.39	2.8	-0.45	1.40
D8M7NP	7.2	-2.30		6.9	-2.84X		3.9	-2.93X		1.2	-1.99		1.8	-1.27	
E72W78	14.7	0.82	0.41	14.6	0.81	0.66	7.5	0.82	0.34	1.7	-0.19	0.22	4.6	1.11	0.37
EXBBZA	13.5	0.31		13.6	0.34		7.7	1.02		2.2	1.27		4.8	1.26	
GDGCVM	12.9	0.06	0.43	13.9	0.47	0.75	7.8	1.14	0.29	1.9	0.32	1.47	4.1	0.66	0.97
HPK369	11.1	-0.68	0.17	11.7	-0.56	0.52	6.0	-0.72	0.61	2.1	1.08	0.70	3.2	-0.08	0.88
J4ZF4L	14.3	0.62	1.36	14.0	0.55	1.44	7.4	0.74	1.21	1.4	-1.24	0.61	4.1	0.63	0.71
JR9NJG	15.0	0.91	0.43	15.9	1.43	0.34	7.9	1.25	1.54	2.8	3.08X	0.59	4.1	0.66	0.42
LHWBEJ	12.8	0.02		14.8	0.91		6.6	-0.14		1.8	-0.06		2.2	-0.91	
M8W3B7	12.7	-0.02	1.42	12.9	0.02	0.61	6.3	-0.38	1.44	1.9	0.32	0.96	2.8	-0.45	1.40
MC2YV7	14.4	0.68	0.65	14.3	0.69	0.01	7.8	1.19	0.73	1.8	0.04	0.35	4.3	0.79	0.29
QPEHWX	11.2	-0.63	0.52	11.9	-0.45	0.70	6.5	-0.17	0.90	1.9	0.41	1.15	3.4	0.08	1.97
TMZPYZ	13.5	0.32	0.54	13.2	0.13	0.20	6.6	-0.12	1.04	1.5	-0.81	0.03	2.2	-0.92	0.85
UPML67	10.2	-1.04	1.52	9.9	-1.44	0.41	6.3	-0.38	1.22	2.0	0.70	2.19	1.6	-1.38	0.66
WTZ9M4	9.2	-1.48	1.25	11.0	-0.90	2.49	6.5	-0.25	1.77	2.2	1.35	2.24	3.8	0.39	2.11
XQ7LRR	12.3	-0.17	1.29	12.1	-0.39	0.31	6.0	-0.78	0.20	1.7	-0.25	0.44	2.9	-0.38	0.32
YAJLEZ	14.9	0.89		12.1	-0.35		7.1	0.41		1.8	-0.04		4.1	0.66	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca - sp (SubTestCode 106) in the Salinity Property Groups						Data units: mmolc/L
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	12.8	12.9	6.70	1.80	3.31	
Median Abs Dev	1.6	1.2	0.62	0.14	0.79	
Avg Within Lab SD	0.6	0.7	0.35	0.18	0.21	
Labs Included	23	22	22	22	23	
Labs Reporting	24	24	24	24	24	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg - sp (SubTestCode 107) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6RHUVL	2.88	0.91	0.35	8.19	0.98	0.11	3.82	1.59	0.59	0.77	0.17	0.27	2.09	0.76	0.05
7RA69Z	1.97	-1.25	0.17	5.79	-1.17	0.61	2.80	-0.83	0.19	0.73	-0.23	1.00	1.56	-0.23	1.20
A2BQTW	2.12	-0.90	0.17	6.40	-0.62	0.42	2.98	-0.40	0.70	0.45	-3.14X	0.38	1.51	-0.32	0.54
AHUREL	2.66	0.38	0.51	8.56	1.31	1.61	3.73	1.38	1.23	0.75	-0.03	1.69	2.13	0.83	0.93
AYEFNG	2.41	-0.22	0.33	7.04	-0.05	0.28	3.05	-0.24	0.07	0.84	0.88	0.04	1.69	0.01	0.92
B9N67L	12.22	23.03X	0.70	28.94	19.54X	3.45	30.04	64.17X	10.34	15.59	150.48X	20.94	14.69	24.02X	5.03
C4NC99	2.60	0.24	0.77	7.10	0.01	0.42	3.07	-0.20	0.66	0.77	0.10	0.75	1.40	-0.52	0.00
CBQEHF	2.03	-1.10	2.26	5.73	-1.22	2.05	2.85	-0.71	1.28	0.67	-0.85	1.44	1.45	-0.43	1.43
D8M7NP	1.29	-2.86X		3.74	-3.00X		1.70	-3.46X		0.42	-3.42X		0.82	-1.59	
E72W78	3.04	1.29	0.73	8.48	1.24	0.41	3.58	1.02	0.36	0.75	-0.03	0.30	2.42	1.37	0.39
EXBBZA	2.42	-0.18		7.42	0.29		3.33	0.43		0.86	1.05		2.34	1.21	
GDGCVM	2.50	0.01		7.43	0.30	0.28	3.53	0.91	0.33	0.73	-0.24	0.75	2.10	0.77	0.00
HPK369	2.07	-1.01	0.38	6.30	-0.71	0.21	3.16	0.02	0.66	0.77	0.09	0.37	1.60	-0.16	0.59
J4ZF4L	2.80	0.73	0.76	8.04	0.85	0.96	3.50	0.84	0.89	0.63	-1.28	1.06	2.10	0.78	0.24
JR9NJG	2.62	0.29	0.25	8.61	1.36	0.37	3.47	0.75	1.00	1.00	2.50	0.27	1.92	0.44	0.35
LHWBEJ	2.54	0.10		8.88	1.60		3.12	-0.07		0.75	-0.07		1.18	-0.93	
M8W3B7	2.24	-0.62	1.06	6.92	-0.15	0.81	2.75	-0.97	1.54	0.78	0.27	0.40	1.37	-0.58	1.16
MC2YV7	2.75	0.59	0.11	8.24	1.03	0.05	3.80	1.55	0.76	0.77	0.09	0.31	2.29	1.12	0.30
QPEHWX	2.00	-1.18	1.75	6.90	-0.18	1.17	3.06	-0.22	1.26	0.76	0.00	0.82	1.68	0.00	1.78
TMZPYZ	2.80	0.72	1.76	7.71	0.55	0.55	3.14	-0.02	1.29	0.63	-1.31	0.14	1.20	-0.90	0.72
UPML67	2.49	-0.01	0.76	6.77	-0.29	1.63	3.61	1.11	1.72	1.01	2.60	2.32	1.10	-1.07	0.93
WTZ9M4	1.68	-1.94	1.27	6.24	-0.76	2.25	2.80	-0.84	1.60	0.85	0.98	1.76	1.90	0.41	2.60
XQ7LRR	2.35	-0.34	0.96	7.09	-0.01	0.14	2.92	-0.55	0.60	0.69	-0.71	0.27	1.45	-0.44	0.20
YAJLEZ	2.85	0.84		6.89	-0.18		3.23	0.19		0.69	-0.68		2.05	0.67	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg - sp (SubTestCode 107) in the Salinity Property Groups						Data units: mmolc/L
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	2.50	7.09	3.15	0.76	1.68	
Median Abs Dev	0.28	0.74	0.31	0.03	0.37	
Avg Within Lab SD	0.13	0.41	0.18	0.08	0.11	
Labs Included	22	22	22	21	23	
Labs Reporting	24	24	24	24	24	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na - sp (SubTestCode 108) in the Salinity Property Groups															Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
6RHUVL	0.70	0.60	0.16	0.33	-0.32	0.00							0.51	-0.06	0.00		
7RA69Z	0.58	-0.42	0.42	0.36	-0.01	0.38	0.23	0.09	0.12				0.43	-0.74	0.54		
A2BQTW	0.57	-0.55	0.19	0.32	-0.41	0.22	0.17	-0.76	0.28	0.07	-1.12	0.15	0.42	-0.82	0.19		
AHUREL	0.78	1.32	1.64	0.56	2.42	3.21	0.23	0.04	1.80	0.13	-0.29		0.75	2.01	3.24		
AYEFNG	0.63	-0.03	0.76	0.38	0.30	0.58	0.20	-0.38	0.08	0.13	-0.35	0.18	0.46	-0.51	0.51		
B9N67L	13.85	114.42X	16.67	9.78	113.89X	3.72	10.18	143.36X	17.32	4.96	62.13X	14.21	12.49	101.66X	4.84		
C4NC99	0.62	-0.06	2.17	0.49	1.64	1.34	0.71	6.95X	6.79	0.32	2.16	1.29	0.54	0.16	1.79		
CBQEHF	0.51	-1.05	1.63	0.26	-1.13	0.77	0.16	-0.91	0.45	0.09	-0.77	0.36	0.36	-1.31	0.52		
D8M7NP	0.72	0.78		0.46	1.25		0.37	2.05		0.27	1.52		0.66	1.22			
E72W78	0.63	-0.03	0.09	0.34	-0.24	0.12	0.18	-0.73	0.20	0.08	-0.89	0.25	0.52	0.06	0.21		
EXBBZA	0.69	0.52		0.35	-0.08								0.56	0.37			
GDGCVM	0.63	0.03	0.94	0.40	0.52	0.00	0.37	2.00	2.00	0.20	0.62	0.00	0.60	0.71	0.00		
HPK369	0.55	-0.66	0.05	0.33	-0.29	0.20	0.17	-0.86	0.27	0.08	-0.90	0.01	0.49	-0.24	0.56		
J4ZF4L	0.72	0.78	1.77	0.37	0.20	0.65	0.24	0.16	1.18	0.16	0.15	1.51	0.55	0.28	0.82		
JR9NJG	0.67	0.36	0.30	0.42	0.76	0.18	0.22	-0.04	0.58	0.13	-0.30	0.21	0.57	0.44	0.05		
LHWBEJ	0.79	1.38		0.61	3.06		0.32	1.33		0.25	1.27		0.66	1.22			
M8W3B7	0.64	0.05	1.16	0.39	0.36	0.96	0.23	0.04	0.69	0.16	0.10	0.45	0.45	-0.57	0.47		
MC2YV7	0.80	1.50	0.12	0.36	0.01	0.06	0.23	0.07	0.30	0.15	0.00	0.69	0.58	0.58	0.05		
QPEHWX	0.49	-1.19	0.50	0.32	-0.44	0.35							0.45	-0.57	0.18		
TMZPYZ	1.06	3.72X	1.29	0.69	4.08X	1.24	0.65	6.05X	3.16	0.56	5.31X	1.48	0.94	3.62X	0.87		
UPML67	0.57	-0.55	0.94	0.33	-0.28	1.17	0.27	0.56	2.00	0.17	0.19	1.48	0.37	-1.27	1.03		
WTZ9M4	0.46	-1.47	0.59	0.35	-0.04	1.35	0.17	-0.88	1.00	0.21	0.71	2.63	0.46	-0.45	1.02		
XQ7LRR	0.59	-0.35	0.43	0.30	-0.65	0.12	0.17	-0.88	0.20	0.09	-0.80	0.00	0.43	-0.71	0.21		
YAJLEZ	0.76	1.16		0.39	0.42		0.20	-0.37		0.15	0.00		0.58	0.56			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na - sp (SubTestCode 108) in the Salinity Property Groups						Data units: mmolc/L
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	0.63	0.36	0.23	0.15	0.52	
Median Abs Dev	0.07	0.03	0.05	0.05	0.07	
Avg Within Lab SD	0.06	0.05	0.03	0.04	0.06	
Labs Included	22	22	18	18	22	
Labs Reporting	24	24	21	20	24	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SAR - sp (SubTestCode 109) in the Salinity Property Groups														Data units: value		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
A2BQTW	0.22	-0.33	0.17	0.11	0.00	0.31	0.08	-0.39	0.11	0.07	-0.63	0.16	0.28	-0.65	0.10	
AYEFNG	0.23	0.00	0.83	0.12	0.74	1.03	0.09	0.00	0.00	0.10	-0.20	0.20	0.29	-0.37	0.88	
C4NC99	0.23	0.10	1.82	0.16	2.80	2.15	0.33	7.90X	4.51	0.28	2.20	1.60	0.39	2.59	2.85	
CBQEHF	0.20	-0.75	0.98	0.09	-0.71	0.70	0.08	-0.40	0.24	0.08	-0.45	0.35	0.25	-1.40	0.41	
E72W78	0.20	-0.81	0.00	0.10	-0.38	0.00	0.07	-0.67	0.00	0.07	-0.60	0.20	0.30	0.00	0.00	
EXBBZA	0.24	0.41		0.11	0.18								0.30	0.00		
GDGCVM	0.23	0.20	2.29	0.10	-0.38	0.00	0.17	2.56	2.89	0.20	1.09	0.00	0.30	0.00	0.00	
JR9NJG	0.23	0.00	0.18	0.12	0.73	0.33	0.09	0.15	0.34	0.09	-0.33	0.23	0.33	0.76	0.12	
LHWBEJ	0.29	1.92		0.18	4.11X		0.15	2.00		0.22	1.35		0.51	5.82X		
MC2YV7	0.27	1.45	0.23	0.11	-0.02	0.08	0.10	0.21	0.26	0.13	0.20	0.74	0.32	0.64	0.15	
QPEHWX	0.17	-1.72	1.05	0.10	-0.38	0.00							0.25	-1.29	1.44	
UPML67	0.21	-0.40	0.23	0.10	-0.57	0.60	0.11	0.56	0.29	0.10	-0.20	0.20	0.30	0.00	0.38	
WTZ9M4	0.20	-0.81	0.40	0.12	0.74	2.06	0.08	-0.45	0.58	0.16	0.60	2.56	0.27	-0.74	0.79	
XQ7LRR	0.22	-0.30	0.61										0.30	-0.09	0.22	
YAJLEZ	0.26	0.91		0.13	1.13		0.09	-0.04		0.14	0.24		0.33	0.91		

SAR - sp (SubTestCode 109) in the Salinity Property Groups						Data units: value		
	SRS2201		SRS2202		SRS2203		SRS2204	
Grand Median	0.23		0.11		0.09		0.12	
Median Abs Dev	0.01		0.01		0.01		0.04	
Avg Within Lab SD	0.03		0.01		0.02		0.03	
Labs Included	15		13		11		12	
Labs Reporting	15		14		12		12	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

CI - sp (SubTestCode 110) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8T66RW	13.72	112.69X	51.84	22.88	142.07X	69.75	9.94	111.81X	109.74	6.89	48.22X	106.09	21.88	115.82X	52.14
A2BQTW	0.44	-0.67	0.11	0.79	-0.20	0.45	0.08	-0.62	0.07	0.16	-0.37	0.43	0.82	-0.98	0.02
A76LRH	0.75	1.91	2.98	1.18	2.35	3.06	0.49	4.05	2.13	0.63	3.06	1.14	1.32	1.76	1.54
ADKB8H	1.75	10.47X		2.10	8.26X		0.70	6.49X		0.65	3.18		2.45	8.04X	
AHUREL	0.40	-1.10	0.76	0.79	-0.16	2.12							1.07	0.41	2.66
AYEFNG	0.54	0.13	0.58	0.84	0.17	0.23	0.10	-0.37	0.11	0.18	-0.21	0.30	1.01	0.07	0.20
C4NC99	0.53	0.09	0.88	0.77	-0.33	0.94				0.20	-0.06	0.00	0.97	-0.18	0.71
CBQEHF	0.32	-1.74	1.09	0.54	-1.76	1.08	0.09	-0.52	0.37	0.13	-0.57	0.56	0.63	-2.04	1.80
E72W78	0.53	0.03	0.35	1.06	1.56	0.00	0.15	0.18	0.43	0.20	-0.06	0.00	1.16	0.89	0.24
EXBBZA				0.90	0.53								1.04	0.22	
GDGCVM	0.60	0.65	1.99	0.94	0.77	0.68	0.20	0.83	2.16	0.26	0.40	1.76	1.13	0.70	0.70
HPK369	0.50	-0.17	0.33	0.74	-0.51	0.37	0.12	-0.12	1.27	0.08	-0.96	0.24	0.86	-0.80	0.68
J4ZF4L	0.38	-1.22	0.15	0.68	-0.89	0.28	0.10	-0.35	0.65	0.17	-0.25	0.17	0.86	-0.76	0.39
JR9NJG	0.46	-0.53	0.10	0.82	0.00	0.13	0.08	-0.61	0.11	0.18	-0.22	0.00	0.98	-0.10	0.15
M8W3B7	0.52	0.00	0.49	0.81	-0.07	0.34	0.16	0.29	0.43	0.23	0.13	0.46	0.91	-0.50	0.73
MC2YV7	0.50	-0.20	0.21	0.73	-0.56	0.22	0.18	0.55	1.39	0.20	-0.03	1.51	0.98	-0.11	0.13
MZC6HD	0.57	0.41	0.48	1.02	1.32	0.40	0.11	-0.28	0.47	0.21	0.03	0.39	1.30	1.67	0.58
NL2V89	0.58	0.51	0.25	0.76	-0.36	0.00	0.14	0.12	0.00	0.28	0.53	0.00	0.99	-0.07	0.34
QPEHWX	0.62	0.83		0.90	0.53	0.85							1.11	0.61	1.77
UPML67	0.41	-0.98	0.13	0.52	-1.93	0.14	0.21	0.90	0.97	0.33	0.87	1.84	0.63	-2.04	0.33
WTZ9M4	0.37	-1.31	0.67	0.83	0.10	0.99	0.08	-0.58	0.37	0.22	0.06	2.21	1.00	0.00	0.53
XQ7LRR				0.83	0.08	0.28							1.00	0.00	0.21
YAJLEZ	0.56	0.35		0.82	0.00		0.17	0.44		0.37	1.14		1.04	0.24	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Cl - sp (SubTestCode 110) in the Salinity Property Groups						Data units: mmolc/L
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	0.52	0.82	0.13	0.21	1.00	
Median Abs Dev	0.06	0.08	0.04	0.04	0.09	
Avg Within Lab SD	0.07	0.06	0.03	0.03	0.08	
Labs Included	19	21	16	18	21	
Labs Reporting	21	23	18	19	23	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SO4 - sp (SubTestCode 111) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
A2BQTW	0.03	-1.45	0.09	0.47	-1.53	0.13	0.49	-1.25	0.33	0.33	-1.35	0.09	0.80	-0.77	0.28
AHUREL				0.92	0.98	2.26	0.70	0.91	1.15	0.76	1.50	2.25	1.55	1.82	2.05
AYEFNG	0.12	0.01	0.31	0.58	-0.93	0.07	0.62	0.08	0.12	0.43	-0.66	0.10	1.01	-0.05	0.91
C4NC99	0.13	0.15	2.32	0.67	-0.43	1.97	0.43	-1.83	2.42	0.20	-2.18	0.00	0.43	-2.06	0.76
CBQEHF	0.17	0.77	1.19	0.70	-0.24	0.75	0.57	-0.48	1.16	0.50	-0.22	0.50	0.82	-0.70	1.88
D8M7NP	0.11	-0.20		0.49	-1.43		0.37	-2.47		0.44	-0.61		0.61	-1.44	
E72W78	0.08	-0.64	0.00	0.81	0.36	0.39	0.63	0.14	0.24	0.62	0.56	0.25	1.34	1.08	0.15
EXBBZA				0.82	0.43		0.62	0.07		0.66	0.83		1.22	0.67	
GDGCVM	0.17	0.75	1.23	0.81	0.36	0.20	0.67	0.61	0.48	0.68	0.94	0.14	1.23	0.71	0.23
J4ZF4L	0.23	1.64	1.90	0.87	0.72	1.24	0.65	0.37	0.96	0.61	0.52	0.80	1.19	0.56	1.18
JR9NJG	0.14	0.27	0.38	0.75	0.03	0.51	0.62	0.05	1.14	0.54	0.01	1.11	1.13	0.37	0.52
M8W3B7	0.26	2.04	0.00	0.77	0.17	0.84	0.58	-0.34	0.91	0.49	-0.31	0.62	0.98	-0.15	1.06
MC2YV7	0.10	-0.33	0.25	0.76	0.08	0.07	0.64	0.23	0.46	0.56	0.20	0.03	1.23	0.69	0.28
MZC6HD	0.12	-0.01	0.18	0.57	-0.98	0.33	0.60	-0.13	0.10	0.46	-0.50	0.60	1.03	0.00	0.20
QPEHWX				0.70	-0.24	1.80	0.61	0.00	0.95	0.56	0.17	2.20	1.06	0.12	0.66
UPML67	0.10	-0.34	0.80	0.50	-1.35	0.10	0.58	-0.30	0.44	0.45	-0.53	0.62	0.88	-0.49	0.40
WTZ9M4	0.07	-0.84	0.23	0.74	0.00	0.60	0.46	-1.56	1.64	0.57	0.24	1.63	0.99	-0.12	1.77
XQ7LRR				0.46	-1.58	0.10	0.47	-1.46	0.00	0.31	-1.48	0.29	0.84	-0.66	0.27
YAJLEZ	0.51	5.81X		0.92	0.98		0.67	0.54		0.53	0.00		1.13	0.35	

SO4 - sp (SubTestCode 111) in the Salinity Property Groups					Data units: mmolc/L
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205
Grand Median	0.12	0.74	0.61	0.53	1.03
Median Abs Dev	0.03	0.08	0.04	0.08	0.19
Avg Within Lab SD	0.02	0.06	0.05	0.04	0.08
Labs Included	14	19	19	19	19
Labs Reporting	15	19	19	19	19



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3 - sp (SubTestCode 112) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
A2BQTW	7.8	-1.45	0.29	8.5	-1.47	0.90	3.8	-1.59	0.30	0.0	-1.45	0.03	0.0	-0.49	0.90
AHUREL	20.8	0.65	2.19	25.2	0.60	1.85	9.7	0.67	2.03	0.3	-1.05				
AYEFNG	22.8	0.97	0.35	27.2	0.84	0.03	6.9	-0.43	0.08	1.3	0.65	0.06	0.2	0.36	1.87
C4NC99	18.8	0.32	1.14	25.1	0.59	0.77	8.1	0.07	1.00	1.2	0.54	0.50	0.4	1.10	0.60
D8M7NP	15.6	-0.18		16.7	-0.45		9.4	0.54		0.9	0.00		0.3	0.82	
HPK369	15.5	-0.21	0.73	19.1	-0.16	0.64	6.5	-0.57	0.30	1.1	0.41	0.07	0.3	0.72	0.44
JR9NJG	17.9	0.18	0.17	21.6	0.16	0.42	7.8	-0.07	0.27	1.1	0.39	0.17	0.0	-0.54	0.06
MC2YV7	18.9	0.35	0.54	22.5	0.26	0.48	9.5	0.57	1.05	0.1	-1.28	0.14	0.1	-0.43	0.46
QPEHWX	4.1	-2.05	0.39	5.2	-1.87	0.06	1.8	-2.36	0.34	0.2	-1.21	0.87	0.1	-0.36	1.58
UPML67	12.9	-0.63	0.83	14.4	-0.74	1.00	8.2	0.09	0.34	1.4	0.93	0.44	0.4	1.27	1.19
WTZ9M4	12.5	-0.69	1.62	17.3	-0.38	1.84	6.6	-0.53	1.19	0.8	-0.18	2.95	0.0	-0.65	0.10
XQ7LRR	19.3	0.41	0.61	25.1	0.58	0.99	9.5	0.60	1.69	0.9	0.00	0.22			

NO3 - sp (SubTestCode 112) in the Salinity Property Groups						Data units: mmolc/L		
	SRS2201		SRS2202		SRS2203		SRS2204	
Grand Median	16.8		20.4		7.97		0.88	
Median Abs Dev	3.2		4.7		1.44		0.36	
Avg Within Lab SD	0.7		1.1		0.54		0.16	
Labs Included	12		12		12		12	
Labs Reporting	12		12		12		12	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

B - sp (SubTestCode 113) in the Salinity Property Groups														Data units: mg/L		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7RA69Z													0.221	1.99		
AHUREL	0.065	0.04	0.43	0.060	-0.43	0.99	0.055	0.00	0.78	0.083	-0.18	1.08	0.117	-0.07	0.95	
AYEFNG	0.156	4.95X	0.67	0.150	3.61X	0.56	0.093	1.70	0.19	0.152	1.71	1.18	0.217	1.92	0.74	
D8M7NP	0.050	-0.76		0.070	0.02		0.040	-0.67		0.070	-0.55		0.100	-0.40		
E72W78	0.047	-0.94	0.35	0.050	-0.86	0.58	0.040	-0.67	0.00	0.072	-0.50	0.15	0.117	-0.07	0.21	
GDGCVM	0.077	0.67	0.35	0.093	1.07	0.40	0.083	1.27	0.63	0.137	1.28	0.41	0.173	1.06	0.48	
HPK369	0.076	0.66	0.69	0.089	0.90	0.18	0.044	-0.49	1.37	0.104	0.37	0.38	0.085	-0.70	0.47	
J4ZF4L	0.091	1.42	1.09	0.072	0.10	0.73	0.061	0.25	1.21	0.100	0.28	1.42	0.120	0.00	2.18	
JR9NJG	0.060	-0.25	0.30	0.069	-0.02	0.19	0.056	0.06	0.33	0.111	0.57	0.79	0.175	1.08	0.09	
M8W3B7	0.063	-0.04	1.41	0.073	0.17	1.61	0.063	0.37	1.68	0.090	0.00	1.88	0.137	0.33	1.71	
MC2YV7	0.055	-0.49	0.30	0.048	-0.97	0.07	0.043	-0.56	0.05	0.071	-0.52	0.21	0.120	-0.01	0.21	
TMZPYZ													0.153	0.66	0.64	
UPML67	0.077	0.67	0.35	0.060	-0.43	0.00	0.040	-0.67	0.00	0.070	-0.55	1.23	0.120	0.00	0.82	
WTZ9M4	0.090	1.39	2.37	0.119	2.21	2.31	0.088	1.48	1.92	0.158	1.86	0.60	0.204	1.67	1.12	
YAJLEZ	0.050	-0.75		0.049	-0.91		0.042	-0.57		0.076	-0.38		0.111	-0.17		

B - sp (SubTestCode 113) in the Salinity Property Groups														Data units: mg/L		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Grand Median	0.064			0.070			0.055			0.09			0.12		
Median Abs Dev	0.013			0.014			0.013			0.02			0.02			
Avg Within Lab SD	0.016			0.014			0.009			0.01			0.01			
Labs Included	12			12			13			13			15			
Labs Reporting	13			13			13			13			15			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4QR9RB	0.57	-0.47	0.26	0.69	-0.17	0.16	0.78	-0.23	0.30	0.29	0.69	0.44	0.18	0.08	0.53	
7TM4ZN	0.74	0.33	0.09	0.81	0.36	0.08	0.76	-0.42	0.11	0.27	0.44	0.08	0.20	0.51	0.18	
7VADEV	0.67	0.01	0.82	0.66	-0.29	1.28	0.65	-1.20	1.19	0.13	-1.63	1.16	0.14	-0.92	1.83	
84XV4N	0.87	0.92	1.92	0.86	0.57	1.56	0.73	-0.58	3.73	0.21	-0.54	1.26	0.25	1.54	2.13	
8R74JK	0.67	-0.02	1.51	0.60	-0.54	0.00	0.77	-0.33	1.72	0.27	0.35	2.51	0.20	0.46	0.00	
9EFP3N	0.56	-0.53	0.66	0.65	-0.34	0.16	0.73	-0.58	0.46	0.24	0.00	0.50	0.15	-0.77	0.53	
AJ99HR	0.49	-0.86	0.17	0.71	-0.07	0.65	0.86	0.38	0.14	0.35	1.59	0.25	0.23	1.24	0.18	
AQB6JC	0.68	0.04	0.26	0.78	0.23	0.28	0.72	-0.69	0.30	0.22	-0.30	0.25	0.15	-0.69	0.92	
AYEFNG	0.76	0.42	0.40	0.88	0.67	0.75	0.84	0.24	0.34	0.27	0.43	0.56	0.22	0.95	0.09	
AZBTC9	0.63	-0.17	0.80	0.73	0.01	1.01	0.87	0.46	0.00	0.23	-0.20	0.44	0.17	-0.31	1.41	
B3WWLR	0.85	0.86	0.27	0.92	0.82	0.27	0.87	0.45	0.44	0.32	1.07	0.15	0.22	0.92	0.96	
B9N67L	0.77	0.46	0.22	0.53	-0.84	0.12	0.90	0.66	0.16	0.16	-1.22	0.02	0.18	0.00	0.05	
BEQDBT	0.86	0.90	0.66	0.49	-1.00	0.28	0.91	0.76	0.52	0.24	0.00	0.25	0.14	-1.00	0.53	
C4MDGL	0.49	-0.86	0.25	0.56	-0.70	0.33	0.90	0.69	0.30	0.30	0.79	0.18	0.20	0.53	0.53	
C4NC99	0.90	1.09	1.48	1.07	1.44	1.97	0.63	-1.40	0.17	0.20	-0.69	0.66	0.18	0.08	0.53	
CBQEHF	0.66	-0.06	1.15	0.71	-0.08	0.55	0.84	0.22	0.99	0.27	0.45	1.02	0.17	-0.33	0.21	
ENMKF3	0.67	-0.01	0.00	0.77	0.17	0.00	0.74	-0.57	0.00	0.24	-0.08	0.00	0.14	-1.02	0.00	
EWWM24	0.40	-1.28	0.30	0.41	-1.33	0.43	0.49	-2.46	0.34	0.18	-0.99	0.66	0.11	-1.62	0.00	
GH7WTB	0.53	-0.66	2.82	0.63	-0.42	1.44	0.85	0.28	0.91	0.27	0.39	1.31	0.18	-0.07	1.41	
JR9NJG	0.94	1.24	0.15	1.08	1.49	0.58	0.60	-1.57	0.17	0.18	-0.89	0.66	0.22	0.85	0.53	
KLXV4C	0.91	1.13	1.31	1.04	1.34	0.99	0.60	-1.60	1.58	0.15	-1.33	1.33	0.14	-0.85	3.24	
LHWBEJ	0.52	-0.70	1.20	0.72	-0.01	2.76	0.85	0.28	1.64	0.18	-0.99	2.01	0.18	0.00	0.92	
M7X23U	0.80	0.62	2.22	1.08	1.49	0.43	0.80	-0.05	1.38	0.27	0.35	1.40	0.20	0.46	0.92	
M8W3B7	0.50	-0.81	0.15	0.62	-0.45	0.28	0.82	0.05	0.17	0.26	0.30	0.25	0.16	-0.38	0.53	
MZC6HD	0.92	1.17	0.00	1.06	1.43	0.16	0.60	-1.63	0.17	0.17	-1.04	0.66	0.20	0.54	0.53	
QQF7K3	0.92	1.18	0.30	0.95	0.93	2.11	0.82	0.10	0.17	0.30	0.84	0.44	0.21	0.70	0.00	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
UPML67	0.43	-1.11	0.78	0.50	-0.98	0.90	0.93	0.90	0.28	0.33	1.25	0.12	0.19	0.20	0.35	
UTA9V9	0.50	-0.80	0.13	0.92	0.82	0.06	0.75	-0.43	0.34	0.26	0.19	0.30	0.12	-1.43	1.15	
VELMNJ	0.74	0.33	0.11	0.82	0.38	0.46	0.92	0.83	0.40	0.19	-0.85	2.23	0.16	-0.53	0.09	
WTZ9M4	0.41	-1.20	0.95	0.52	-0.86	1.54	0.84	0.20	1.00	0.22	-0.37	1.40	0.13	-1.25	0.59	
Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	0.67			0.73			0.81			0.24			0.18			
Median Abs Dev	0.16			0.15			0.07			0.04			0.03			
Avg Within Lab SD	0.04			0.04			0.03			0.02			0.01			
Labs Included	30			30			30			30			30			
Labs Reporting	30			30			30			30			30			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2YMP6V	0.51	-0.08	0.15	0.58	-0.08	0.31	0.34	-0.39	0.33	0.10	-0.25	0.08	0.08	-1.86	0.03	
6DERVP	0.56	0.47	0.56	0.64	0.61	0.61	0.38	0.00	0.35	0.11	0.09	1.72	0.12	0.04	0.00	
6RHUVL	0.70	1.87	0.45	0.77	2.01	0.29	0.46	0.76	0.51	0.64	12.92X	0.98	0.66	27.06X	1.02	
6YJ2J2	0.50	-0.14		0.56	-0.26	0.57	0.42	0.33	0.09	0.09	-0.44	0.72	0.11	-0.41	0.31	
7L9XPQ	0.56	0.43	0.65	0.63	0.54	0.94	0.41	0.28	0.70	0.12	0.33	0.00	0.12	0.21	0.90	
AR2G3H	0.32	-1.95	1.48	0.41	-1.91	0.94	0.53	1.41	4.05	0.18	1.80	1.72	0.13	0.55	3.13	
AYEFNG	0.48	-0.31	0.39	0.55	-0.39	0.39	0.49	1.01	0.74	0.13	0.66	0.36	0.15	1.33	0.45	
B3WWLR	0.54	0.26	0.56	0.60	0.17	0.68	0.47	0.80	0.71	0.14	0.84	0.75	0.14	0.97	0.09	
B7UHBA	0.40	-1.11	2.26	0.45	-1.44	2.81	0.31	-0.73	0.70	0.11	0.17	0.99	0.12	-0.13	0.90	
CBQEHF	0.34	-1.74	0.87	0.43	-1.62	0.77	0.58	1.83	1.02	0.19	2.10	1.85	0.11	-0.65	1.11	
EXBBZA	0.52	0.08	1.16	0.61	0.24	1.65	0.36	-0.23	1.05	0.11	-0.03	1.38	0.12	0.01	0.39	
EY6WWL	0.55	0.39	0.12	0.62	0.38	0.15	0.36	-0.21	0.12	0.10	-0.11	0.17	0.12	-0.18	0.33	
F6MUXE	0.54	0.30	0.32	0.60	0.14	0.35	0.54	1.47	0.00	0.18	1.88	0.99	0.12	0.04	0.00	
JEJRHJ	0.61	0.97	0.56	0.57	-0.18	0.94	0.51	1.22	0.70	0.16	1.31	0.00	0.15	1.55	0.00	
JJDV6W	0.51	-0.04	0.00	0.58	-0.04	0.00	0.35	-0.29	0.70	0.09	-0.52	0.60	0.10	-0.97	0.00	
JR9NJK	0.52	0.10	0.65	0.60	0.22	0.35	0.34	-0.41	0.00	0.09	-0.32	0.99	0.12	0.04	0.00	
JY7K3D	0.55	0.38	0.21	0.63	0.46	0.22	0.37	-0.16	1.01	0.10	-0.11	0.68	0.12	0.00	0.74	
MZC6HD	0.50	-0.17	0.32	0.57	-0.11	0.35	0.33	-0.51	0.61	0.09	-0.48	0.99	0.11	-0.46	0.00	
R6PEXC	0.51	-0.03	0.00	0.57	-0.15	0.00	0.32	-0.57	0.00	0.09	-0.48	0.00	0.09	-1.67	0.00	
TB94QK	0.31	-2.01	2.89	0.65	0.73	2.30	0.58	1.85	0.91	0.12	0.35	2.19	0.13	0.66	3.21	
TF7K6Y	0.43	-0.85	0.54	0.45	-1.43	1.62	0.35	-0.31	1.55	0.12	0.21	1.41	0.09	-1.30	1.42	
TMZPYZ	0.43	-0.85	0.69	0.52	-0.70	0.36	0.28	-0.99	0.20	0.08	-0.61	0.22	0.09	-1.58	0.58	
UTA9V9	0.52	0.03	0.17	0.59	0.04	0.19	0.38	0.01	0.25	0.10	-0.22	0.03	0.12	-0.18	0.15	
V7PNDX	0.35	-1.68	0.32	0.36	-2.41	0.61	0.58	1.88	0.35	0.22	2.69	0.99	0.12	0.04	0.00	
VT3KRY	0.54	0.24	0.11	0.61	0.31	0.18	0.38	-0.08	0.13	0.11	0.00	0.32	0.15	1.46	0.35	
WWFHLY	0.53	0.11	0.17	0.60	0.17	0.26	0.35	-0.35	0.07	0.10	-0.12	0.55	0.11	-0.43	0.09	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
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	
YYBDAK	0.56	0.51	1.99	0.66	0.78	0.87	0.38	0.00	0.81	0.10	-0.12	0.80	0.13	0.66	0.55	
ZBNVHH	0.34	-1.79	1.39	0.46	-1.38	1.71	0.47	0.81	0.65	0.19	1.97	0.95	0.10	-0.83	0.24	
Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	0.51			0.58			0.38			0.11			0.12			
Median Abs Dev	0.04			0.04			0.05			0.01			0.01			
Avg Within Lab SD	0.02			0.02			0.02			0.01			0.01			
Labs Included	28			28			28			27			27			
Labs Reporting	28			28			28			28			28			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	4.61	0.95	0.34	5.68	1.39	0.91	7.85	-0.10	0.16	6.43	1.14	0.17	7.26	0.53	0.41	
38KLN	4.50	0.00		5.60	0.67	0.00	7.87	0.00	0.90	6.27	-0.07	1.01	7.17	-0.08	1.55	
4QR9RB	4.60	0.84	0.00	5.60	0.67	0.00	8.03	1.02	0.90	6.40	0.91	0.00	7.30	0.76	0.00	
6DERVP	4.52	0.14	1.70	5.55	0.25	0.80	7.81	-0.37	0.63	6.44	1.21	0.97	7.17	-0.04	1.24	
6RHUVL	4.49	-0.06	0.26	5.51	-0.18	0.73	7.99	0.77	0.78	6.32	0.30	0.20	7.26	0.49	0.41	
6YJ2J2	4.50	-0.03	0.13	5.56	0.34	0.57	7.90	0.22	1.01	6.22	-0.42	1.05	7.19	0.08	2.44	
7TM4ZN	4.49	-0.06	0.72	5.50	-0.24	0.60	7.84	-0.18	0.55	6.46	1.38	0.66	7.27	0.55	1.02	
7VADEV	4.44	-0.53	0.34	5.47	-0.54	1.15	7.82	-0.26	0.36	6.23	-0.35	0.91	7.09	-0.57	0.71	
84XV4N	4.47	-0.28	1.29	5.47	-0.54	1.32	7.60	-1.63	1.56	6.40	0.91	0.00	7.17	-0.08	1.55	
84ZKA7	4.44	-0.53	0.13	5.50	-0.27	0.35	7.92	0.33	0.41	6.18	-0.69	0.27	7.28	0.64	0.27	
8L3X9N	4.51	0.11	0.13	5.38	-1.35	0.13	7.89	0.12	0.09	6.28	0.00	0.10	7.17	-0.08	0.16	
8R74JK	4.70	1.67	0.00	5.70	1.57	0.00	8.00	0.81		6.60	2.40	0.00	7.40	1.40	0.00	
9EFP3N	4.37	-1.06	0.26	5.41	-1.05	0.40	7.86	-0.06	0.32	6.07	-1.56	0.27	7.03	-0.98	0.41	
AJ99HR	4.48	-0.18	0.36	5.53	0.00	0.37	8.00	0.84	0.03	6.28	0.00	0.18	7.13	-0.31	0.36	
AQB6JC	4.70	1.67	0.00	5.70	1.57	0.00	7.77	-0.61	0.90	6.27	-0.07	1.01	7.17	-0.08	1.55	
AYEFNG	4.02	-4.05X	0.34	5.17	-3.24X	0.48	7.63	-1.42	0.65	6.06	-1.63	0.20	6.96	-1.42	0.16	
AZBTC9	4.74	2.04	1.15	5.54	0.13	1.21	7.83	-0.20	0.90	6.21	-0.49	0.17	7.12	-0.36	1.09	
B3WWLR	4.41	-0.75	0.22	5.45	-0.66	0.73	7.59	-1.67	0.48	6.22	-0.44	0.66	7.22	0.23	0.68	
B7UHBA	4.40	-0.84	0.00	5.40	-1.14	0.00	7.53	-2.03	3.25	6.13	-1.06	1.01	7.10	-0.51	0.00	
BEQDBT	4.43	-0.61	0.26	5.45	-0.66	0.53	8.15	1.75	0.32	6.30	0.17	0.17	7.25	0.42	0.56	
C3RYLF	4.58	0.70	0.68	5.54	0.16	0.35	7.74	-0.79	1.01	6.31	0.22	0.71	7.29	0.72	0.68	
C4MDGL	4.43	-0.61	0.85	5.54	0.10	0.80	7.77	-0.59	0.41	6.18	-0.69	0.82	7.11	-0.42	0.41	
C4NC99	4.54	0.36	4.40	5.35	-1.62	1.32	7.15	-4.37X	2.45	6.38	0.77	4.24	6.91	-1.74	0.82	
CBQEHF	4.54	0.33	1.03	5.57	0.43	0.92	7.99	0.73	0.70	6.33	0.40	0.17	7.32	0.87	0.78	
CKTJNA	4.57	0.61	1.77	5.50	-0.24	0.91	7.76	-0.65	0.44	6.15	-0.95	1.36	7.00	-1.14	1.01	
DL28KF	4.60	0.81	0.79	5.54	0.13	0.23	7.83	-0.24	0.74	6.29	0.10	0.30	7.10	-0.49	0.16	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ELGX3X	4.66	1.34	0.22	5.53	0.06	0.13	7.94	0.45	0.31	6.14	-0.99	0.27	7.09	-0.59	1.09	
ENMKF3	4.50	0.00		5.58	0.49	0.00	7.97	0.63	0.00	6.29	0.10	0.00	7.24	0.38	0.00	
EWWM24	4.48	-0.20	0.34	5.53	0.03	0.23	7.98	0.69	0.27	6.27	-0.02	0.10	7.24	0.38	0.27	
EXBBZA	4.46	-0.36	0.34	5.47	-0.48	1.77	7.58	-1.75	1.84	6.19	-0.62	1.12	7.15	-0.21	1.64	
EY6WWL	5.17	5.58X	0.52	5.85	2.92X	0.60	7.59	-1.69	0.41	6.15	-0.96	0.73	6.89	-1.87	0.16	
F6PGC8	4.53	0.22	0.26	5.59	0.61	0.13	7.90	0.18	0.32	6.28	0.00	0.27	7.23	0.30	0.68	
GH7WTB	4.64	1.14	0.72	5.80	2.50	2.19	7.85	-0.10	0.47	6.35	0.57	2.97	7.14	-0.25	1.23	
HTPNZL	4.49	-0.06	1.90	5.48	-0.39	3.17	7.93	0.41	0.63	6.29	0.10	0.63	7.23	0.34	1.62	
JEJRHJ	4.20	-2.51	0.00	5.40	-1.14	0.00	7.80	-0.41	0.00	6.10	-1.31	0.00	7.10	-0.51	0.00	
JR9NJK	4.23	-2.23	0.68	5.22	-2.76	1.60	7.28	-3.60X	0.48	6.13	-1.11	1.42	6.81	-2.33	1.48	
L3ZY39	4.39	-0.95	0.56	5.42	-0.93	0.53	7.83	-0.24	0.63	6.26	-0.12	1.14	7.08	-0.62	2.76	
LHWBEJ	4.62	0.98	1.44	5.63	0.97	0.57	8.05	1.12	0.56	6.50	1.68	1.87	7.30	0.76	1.50	
LUPY7C	4.48	-0.14	0.26	5.51	-0.18	0.73	7.87	0.00	0.39	6.35	0.54	0.17	7.32	0.89	0.93	
LYGYPD	4.29	-1.73	0.34	5.42	-0.96	0.60	7.67	-1.22	1.06	6.40	0.91	0.35	7.17	-0.04	1.27	
M2ZFDC	4.51	0.08	0.22	5.67	1.30	0.23	7.90	0.20	0.16	6.28	0.02	0.63	7.32	0.89	0.27	
M7X23U	4.49	-0.11	1.70	5.49	-0.36	1.77	7.90	0.18	1.31	6.33	0.37	1.01	7.33	0.98	1.62	
M8W3B7	4.50	0.03	0.90	5.53	0.03	1.21	7.89	0.12	0.48	6.26	-0.15	0.44	7.25	0.42	1.79	
MC2YV7	4.57	0.56	1.29	5.67	1.27	1.32	7.87	0.00	0.90	6.33	0.42	1.01	7.30	0.76	0.00	
MZC6HD	4.08	-3.49X	0.56	5.03	-4.50X	1.71	7.38	-2.97	3.01	6.13	-1.11	2.50	6.82	-2.29	1.17	
QPEHWX	4.43	-0.59	0.78	5.41	-1.08	0.86	7.74	-0.75	0.94	6.17	-0.77	1.33	7.20	0.15	0.68	
QQF7K3	4.48	-0.14	0.26	5.47	-0.51	0.23	7.80	-0.43	0.39	6.15	-0.96	0.20	7.09	-0.57	0.54	
R6PEXC	4.51	0.08	0.22	5.52	-0.06	0.40	7.97	0.63	0.47	6.21	-0.52	0.88	7.14	-0.25	0.27	
TB94QK	4.59	0.75	0.81	5.62	0.88	0.57	8.01	0.85	0.55	6.40	0.94	0.36	7.26	0.49	0.82	
TH9FT9	4.49	-0.06	0.26	5.58	0.52	0.35	7.88	0.08	0.31	6.29	0.07	0.27	7.11	-0.47	0.16	
TMZPYZ	4.41	-0.75	0.45	5.46	-0.60	0.46	7.91	0.26	0.16	6.26	-0.12	0.63	7.16	-0.13	0.54	
TULNP9	4.28	-1.87	0.13	5.02	-4.59X	0.13	7.09	-4.76X	0.09	5.52	-5.61X	0.00	6.39	-5.05X	0.16	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
UPML67	4.41	-0.78	0.47	5.52	-0.09	0.48	7.89	0.12	0.50	6.21	-0.47	0.27	7.13	-0.30	0.78	
UTA9V9	4.25	-2.12	0.72	5.27	-2.34	1.32	7.82	-0.28	0.16	6.08	-1.46	0.30	6.79	-2.46	0.78	
VELMNJ	4.50	0.03	0.13	5.53	0.06	0.13	7.74	-0.75	0.50	6.36	0.59	0.44	7.24	0.40	1.71	
VJDRGN	4.54	0.36	0.65	5.68	1.36	0.35	8.32	2.74X	0.95	6.56	2.13	0.66	7.54	2.31	0.41	
VUW7MC	4.73	1.93	1.34	5.57	0.43	0.70	7.62	-1.52	0.24	6.51	1.71	0.56	7.34	1.04	0.82	
WFADBA	4.56	0.50	0.00	5.48	-0.42	0.00	7.98	0.69	0.16	6.32	0.35	0.36	7.27	0.55	0.16	
WTZ9M4	4.37	-1.06	2.59	5.51	-0.15	3.41	7.71	-0.98	3.76	6.28	0.02	0.17	7.18	0.00	0.47	
WWFHYL	4.54	0.33	0.45	5.53	0.00	0.86	8.04	1.08	0.09	6.33	0.40	0.30	7.30	0.79	0.68	
YMJMR2	4.50	0.00	0.22	5.55	0.19	0.35	7.94	0.47	0.39	6.21	-0.49	0.46	7.18	0.02	1.12	
Z6H2P8	4.50	0.00	0.22	5.55	0.22	0.23	7.94	0.45	0.16	6.67	2.94X	0.36	7.39	1.34	0.27	

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups						Data units: Unit	
	SRS2201		SRS2202		SRS2203	SRS2204	SRS2205
Grand Median	4.50		5.53		7.87	6.28	7.18
Median Abs Dev	0.06		0.06		0.09	0.07	0.08
Avg Within Lab SD	0.04		0.04		0.06	0.06	0.04
Labs Included	59		58		58	60	61
Labs Reporting	62		62		62	62	62



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6RHUVL	4.60	0.00	0.19	5.59	-0.35	0.07	8.10	0.47	0.08	6.16	-1.17	0.04	7.29	0.09	0.13	
7KBMVA	4.65	0.24	0.22	5.68	0.17	0.08	8.27	0.95	0.07	6.54	0.64	0.07	7.48	0.89	0.09	
7RA69Z	4.60	0.02	0.39	5.71	0.39	0.04	8.20	0.76	0.02	6.53	0.61	0.02	7.42	0.64	0.10	
AR2G3H	4.70	0.45	1.32	5.82	1.03	0.15	7.87	-0.19	0.02	6.45	0.19	0.20	7.07	-0.89	0.12	
AYEFNG	4.14	-2.07	0.29	5.34	-1.83	0.13	7.87	-0.19	0.02	6.10	-1.46	0.08	7.01	-1.14	0.07	
B3WWLR	4.43	-0.76	1.25	5.60	-0.31	0.09	7.90	-0.11	0.15	6.37	-0.16	0.09	7.27	0.00	0.39	
BDXF3L	4.75	0.68		5.70	0.31		8.05	0.32		6.52	0.55		7.41	0.60		
CBQEHF	4.70	0.44	0.66	5.69	0.27	0.06	8.11	0.48	0.12	6.45	0.19	0.08	7.41	0.61	0.03	
EAP9AJ	4.42	-0.80	0.11	5.36	-1.71	0.15	7.65	-0.84	0.16	6.27	-0.66	0.06	7.18	-0.39	0.19	
EXBBZA	4.55	-0.24	0.71	5.57	-0.45	0.30	7.77	-0.48	0.97	6.49	0.39	0.06	7.24	-0.16	0.32	
F6MUXE	4.47	-0.60	0.22	5.55	-0.57	0.02	8.03	0.27	0.02	6.20	-0.98	0.02	7.28	0.01	0.03	
F8V6RW	6.17	7.11X	33.80	6.11	2.79	5.04	6.80	-3.27	4.99	5.90	-2.47	5.02	7.34	0.30	5.03	
JR9NJG	4.50	-0.47	1.03	5.56	-0.55	0.09	7.61	-0.96	0.06	6.36	-0.21	0.02	6.98	-1.27	0.03	
JY7K3D	4.66	0.29	0.76	5.69	0.23	0.09	8.12	0.52	0.37	6.59	0.87	0.08	7.45	0.76	0.09	
KLXV4C	5.50	4.08	1.88	5.70	0.31	0.37	6.50	-4.14X	0.39	6.30	-0.51	0.36	7.20	-0.32	0.58	
LUPY7C	4.65	0.23	0.00	5.66	0.05	0.15	8.08	0.41	0.16	6.50	0.43	0.14	7.37	0.42	0.12	
MZC6HD	4.75	0.67	3.13	5.34	-1.85	0.36	7.64	-0.86	0.37	6.12	-1.40	0.51	6.81	-2.03	0.76	
QPEHWX	4.58	-0.08	0.78	5.57	-0.47	0.06	7.98	0.11	0.07	6.43	0.10	0.30	7.36	0.38	0.38	
TF7K6Y	4.70	0.45	1.88	5.80	0.91	0.00	8.07	0.36	0.59	6.43	0.13	0.21	7.27	-0.03	0.34	
TH9FT9	4.61	0.06	0.22	5.70	0.33	0.06	8.00	0.17	0.08	6.41	0.00	0.06	7.22	-0.25	0.03	
TMZPYZ	4.57	-0.15	0.22	5.66	0.05	0.04	8.04	0.29	0.04	6.38	-0.11	0.04	7.28	0.04	0.03	
TULNP9	3.98	-2.83	0.11	4.73	-5.50X	0.04	7.24	-2.01	0.00	5.44	-4.68X	0.02	6.02	-5.49X	0.06	
UTA9V9	4.28	-1.44	0.47	5.30	-2.09	0.13	7.76	-0.52	0.15	5.99	-1.99	0.09	6.78	-2.16	0.17	
V7PNDX	4.71	0.51	0.29	5.66	0.09	0.02	7.61	-0.94	0.10	6.86	2.17	0.24	7.20	-0.32	0.12	
VT3KRY	4.63	0.15	0.11	5.62	-0.17	0.13	7.67	-0.77	0.06	6.38	-0.13	0.04	7.08	-0.85	0.10	
XQ7LRR	4.57	-0.15	0.66	5.57	-0.47	0.07	7.86	-0.22	0.23	6.40	-0.02	0.08	7.25	-0.10	0.10	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups															Data units: Unit			
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205					
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
YRYW3K	4.58	-0.11	0.44	5.65	0.00	0.10	8.22	0.81	0.07	6.44	0.15	0.06	7.44	0.74	0.05			
YYBDAK	4.55	-0.24	1.10	5.57	-0.47	0.17	7.87	-0.19	0.12	6.51	0.51	0.25	7.27	0.00	0.15			
ZBNVHH	5.90	5.90X	1.88	6.63	5.91X	0.56	8.43	1.42	0.59	7.37	4.63X	0.21	8.07	3.48	0.34			
pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups															Data units: Unit			
SRS2201		SRS2202			SRS2203			SRS2204			SRS2205							
Grand Median	4.60	5.65			7.94			6.41			7.27							
Median Abs Dev	0.10	0.07			0.17			0.11			0.09							
Avg Within Lab SD	0.05	0.27			0.26			0.27			0.17							
Labs Included	27	27			28			27			28							
Labs Reporting	29	29			29			29			29							



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:1) 0.01M CaCl ₂ (SubTestCode 118) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
38KLN	4.37	0.32	1.89	5.27	0.07	1.38	7.57	-0.25	1.65	5.67	-0.47	0.95	6.60	0.15	0.00	
6YJ2J	4.34	0.06	0.33	5.26	0.00	0.95	7.61	-0.06	0.57	5.69	-0.27	0.49	6.60	0.13	0.23	
7L9XP	4.34	0.06	1.42	5.31	0.54	0.77	7.62	0.00	1.32	5.79	0.58	0.41	6.66	0.59	0.94	
84ZKA	4.32	-0.16	0.38	5.30	0.40	0.00	7.66	0.16	0.29	5.79	0.52	0.19	6.69	0.76	0.62	
8L3X9	4.34	0.03	0.19	5.20	-0.57	0.14	7.68	0.24	0.16	5.63	-0.74	0.09	6.53	-0.36	0.23	
AYEFG	4.12	-2.06	0.38	5.16	-0.98	0.28	7.46	-0.73	0.76	5.60	-1.04	0.34	6.56	-0.15	0.47	
CBQEH	4.40	0.60	1.00	5.33	0.67	0.50	7.64	0.06	1.15	5.77	0.41	0.41	6.66	0.59	1.02	
DL28K	4.39	0.57	0.82	5.26	0.00	0.24	7.34	-1.27	0.76	5.61	-0.93	0.28	6.44	-0.97	0.41	
ELGX3	4.44	1.01	0.33	5.26	-0.03	0.73	7.74	0.54	1.00	5.77	0.38	0.33	6.56	-0.13	0.70	
EWM24	4.33	-0.03	0.33	5.30	0.40	0.24	7.66	0.18	0.44	5.73	0.05	0.16	6.64	0.43	0.70	
HTPNZ	4.32	-0.09	2.17	5.26	0.03	1.31	7.62	0.00	1.19	5.69	-0.27	1.67	6.66	0.55	2.24	
JJDV6	4.26	-0.70	1.42	5.14	-1.18	0.77	7.30	-1.46	1.00	5.59	-1.07	0.41	6.48	-0.66	1.43	
JR9NJ	4.19	-1.36	0.86	5.08	-1.85	1.69	7.06	-2.50	1.29	5.96	1.97	2.63	6.44	-0.99	1.83	
MZC6H	4.04	-2.82	0.68	5.01	-2.53	2.49	7.10	-2.35	1.41	5.89	1.40	2.05	6.25	-2.27	1.24	
TH9FT	4.36	0.22	0.19	5.31	0.51	0.41	7.69	0.31	0.59	5.80	0.63	0.16	6.69	0.76	0.23	
XGZU8	4.26	-0.70	0.33	5.16	-1.01	0.24				5.72	-0.05	0.09	6.39	-1.29	0.47	

pH (1:1) 0.01M CaCl ₂ (SubTestCode 118) in the Soil pH & EC Property Groups														Data units: Unit		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	4.33			5.26			7.62			5.72			6.58			
Median Abs Dev	0.05			0.05			0.06			0.07			0.09			
Avg Within Lab SD	0.03			0.04			0.03			0.06			0.02			
Labs Included	16			16			15			16			16			
Labs Reporting	16			16			15			16			16			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:2) 0.01M CaCl ₂ (SubTestCode 119) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6RHUVL	4.35	0.33	0.32	5.31	0.71	0.62	7.64	0.34	0.28	5.72	0.22	0.28	6.63	0.33	0.22	
84XV4N	4.43	1.07	1.21	5.30	0.64	0.00	7.40	-0.41	1.41	5.70	-0.06	0.00	6.43	-0.77	1.69	
AYEFNG	4.17	-1.38	0.63	5.18	-0.61	0.45	7.53	0.00	0.14	5.60	-1.20	0.21	6.62	0.28	0.30	
C4NC99	4.32	0.05	1.62	5.16	-0.74	0.45	6.86	-2.08	2.50	5.86	1.84	3.12	6.17	-2.23	1.02	
EXBBZA	4.25	-0.67	1.78	5.21	-0.24	2.55	7.42	-0.33	1.06	5.72	0.18	0.49	6.57	0.00	1.36	
F6MUXE	4.24	-0.70	0.12	5.21	-0.27	0.00	7.59	0.20	0.08	5.65	-0.69	0.08	6.59	0.07	0.08	
JR9NJG	4.31	-0.05	0.12	5.07	-1.69	1.03	6.65	-2.74	0.86	5.76	0.69	0.61	6.22	-1.97	1.08	
LYGYPD	4.36	0.39	0.75	5.30	0.64	0.78	7.54	0.04	0.57	5.59	-1.32	0.93	6.52	-0.31	1.91	
MZC6HD	4.05	-2.47	1.03	4.92	-3.24X	2.38	6.03	-4.68X	0.14	5.65	-0.69	0.64	5.82	-4.18X	0.47	
QPEHWX	4.31	-0.11	1.58	5.24	0.00	1.40	7.51	-0.06	0.61	5.65	-0.61	0.44	6.54	-0.17	0.47	
TMZPYZ	4.34	0.23	0.32	5.34	1.01	0.17	7.74	0.66	0.28	5.75	0.53	0.24	6.72	0.79	0.22	
WWFHYL	4.39	0.67	0.00	5.32	0.88	0.17	7.71	0.56	0.14	5.71	0.06	0.14	6.66	0.50	0.08	

pH (1:2) 0.01M CaCl ₂ (SubTestCode 119) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	4.32			5.24			7.53			5.71			6.57			
Median Abs Dev	0.06			0.06			0.11			0.05			0.06			
Avg Within Lab SD	0.05			0.03			0.07			0.07			0.07			
Labs Included	12			11			11			12			11			
Labs Reporting	12			12			12			12			12			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

pH (1:1) 1.0MKCl (SubTestCode 1192) in the Soil pH & EC Property Groups														Data units: Unit			
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205	
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		
D8M7NP	4.26			4.99			7.18			5.46			6.34				
EY6WWL	4.21		1.05	4.96		0.69	6.87		1.15	5.28		0.87	6.10				0.63
WTZ9M4	4.28		0.95	5.08		1.24	6.96		0.83	5.36		1.11	6.15				1.26
pH (1:1) 1.0MKCl (SubTestCode 1192) in the Soil pH & EC Property Groups														Data units: Unit			
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205	
Grand Median	4.26			4.99			6.96			5.36			6.15				
Median Abs Dev																	
Avg Within Lab SD	0.02			0.04			0.03			0.05			0.01				
Labs Included	3			3			3			3			3				
Labs Reporting	3			3			3			3			3				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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			
F8V6RW	0.24		1.64	0.13		2.00	0.17		1.99	0.19		1.73	0.11		1.73			
UTA9V9	0.22		0.07	0.25		0.06	0.17		0.02	0.05		0.03	0.06		0.05			
YYBDAK	0.24		0.55	0.29		0.06	0.20		0.17	0.05		0.10	0.07		0.04			
Z6H2P8				0.26		0.00	0.17		0.00									
Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
Grand Median	0.24			0.25			0.17			0.055			0.065					
Median Abs Dev																		
Avg Within Lab SD	0.03			0.05			0.05			0.062			0.044					
Labs Included	3			4			4			3			3					
Labs Reporting	3			4			4			3			3					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	6.38	0.66	0.22	6.78	0.30	0.05	7.41	-0.42	1.18	6.62	0.36	0.52	7.20	-0.25	1.16	
6YJ2J2	5.93	-0.89	0.81	6.49	-0.71	1.20	7.49	0.06	1.08	6.28	-1.94	1.74	7.21	-0.22	0.83	
84XV4N	6.20	0.05	0.00	6.87	0.59	2.66	7.40	-0.46	0.00	6.70	0.88	2.07	7.23	0.07	1.91	
BDXF3L	6.23	0.16		6.79	0.33		7.70	1.34		6.52	-0.34		7.34	1.24		
E72W78	6.02	-0.58	0.16	6.43	-0.93	0.23				6.43	-0.97	0.24				
EWWM24	6.49	1.06	0.22	6.87	0.62	0.19	7.56	0.50	0.94	6.64	0.47	0.21	7.37	1.53	0.51	
JR9NJG	5.88	-1.06	0.16	6.37	-1.13	0.14	7.29	-1.10	1.18	6.43	-0.95	0.41	7.11	-1.31	1.01	
M8W3B7	6.16	-0.07	0.53	6.61	-0.30	0.61	7.48	0.00	1.65	6.57	0.00	0.36	7.23	0.00	0.69	
WWFHYL	6.17	-0.05	0.00	6.60	-0.32	0.05	7.51	0.20	0.00	6.59	0.16	0.12	7.28	0.62	0.19	
YAJLEZ	6.81	2.15	2.81	7.14	1.52	0.11	7.15	-1.98	0.68	7.16	3.99X	0.22	7.15	-0.84	0.73	

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups						Data units: Unit	
	SRS2201		SRS2202		SRS2203	SRS2204	SRS2205
Grand Median	6.19		6.70		7.48	6.57	7.23
Median Abs Dev	0.18		0.18		0.08	0.07	0.06
Avg Within Lab SD	0.09		0.11		0.02	0.05	0.03
Labs Included	10		10		9	9	9
Labs Reporting	10		10		9	10	9



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7VADEV	6.44	0.31	0.32	6.81	0.00	0.22	7.41	-0.99	0.30	6.69	0.30	0.52	7.28	-0.53	1.30	
84ZKA7	6.53	1.08	0.19	6.86	0.40	0.25	7.48	0.09	0.60	6.72	0.50	0.72	7.34	0.08	0.75	
8R74JK	6.50	0.82		6.83	0.18	1.24	7.50	0.33		6.70	0.36	0.00	7.40	0.70	0.00	
9EFP3N	6.40	0.00	0.11	6.74	-0.55	0.25	7.45	-0.33	0.30	6.62	-0.33	0.25	7.33	-0.05	0.25	
AZBTC9	6.38	-0.20	0.65	6.70	-0.83	0.00	7.50	0.33		6.65	-0.07	1.24	7.33	0.02	2.49	
C4MDGL	6.38	-0.17	0.22	6.74	-0.55	0.54	7.46	-0.23	0.52	6.65	-0.10	0.38	7.33	-0.02	0.00	
CBQEHF	6.41	0.09	0.65	6.81	-0.03	0.87	7.48	0.00	1.30	6.72	0.53	0.86	7.35	0.15	0.66	
CKTJNA	6.34	-0.51	0.50	6.72	-0.71	0.40	7.48	0.02	0.68	6.59	-0.61	0.61	7.30	-0.29	0.55	
EAP9AJ	7.61	10.28X	1.94	257.72	890.74X	337.50	7.95	6.66X	0.00	7.84	10.16X	0.00	7.95	6.32X	0.50	
EWWM24	6.47	0.60	0.60	6.91	0.73	0.33	7.46	-0.28	0.79	6.70	0.36	0.74	7.34	0.08	0.43	
GH7WTB	6.51	0.91	1.41	6.94	0.98	1.51	7.50	0.28	1.58	6.77	0.93	1.17	7.40	0.66	0.90	
HPK369	6.19	-1.81	0.05	6.52	-2.15	0.03	7.37	-1.44	0.60	6.52	-1.18	0.13	7.22	-1.13	0.22	
JEJRHJ	6.40	-0.03	0.00	7.00	1.43		7.37	-1.55	2.98	6.47	-1.65	1.43	7.20	-1.34	0.00	
LYGYPD	6.42	0.11	0.22	6.82	0.08	0.00	7.54	0.84	0.30	6.68	0.16	0.57	7.39	0.56	0.25	
M2ZFDC	6.38	-0.23	0.28	6.70	-0.80	0.33	7.00	-6.71X		6.57	-0.76	0.25	7.00	-3.37		
MC2YV7	6.60	1.68	0.00	7.00	1.43		7.40	-1.08	0.00	6.93	2.37	1.43	7.30	-0.32	0.00	
QQF7K3	6.24	-1.39	0.00	6.57	-1.81	0.00	7.39	-1.22	0.00	6.55	-0.96	0.14	7.22	-1.14	0.00	
R6PEXC	6.35	-0.48	2.05	6.78	-0.20	0.33	7.41	-0.99	0.79	6.62	-0.36	0.14	7.26	-0.70	0.66	
TH9FT9	6.38	-0.17	0.11	6.76	-0.35	0.25	7.55	1.03	0.52	6.67	0.07	0.38	7.38	0.46	0.25	
UPML67	6.27	-1.16	0.92	6.81	0.00	1.41	7.50	0.38	0.30	6.61	-0.44	0.52	7.37	0.42	1.39	
VELMNJ	6.61	1.73	1.41	6.87	0.48	2.55	7.58	1.41	0.79	6.83	1.45	3.08	7.48	1.48	2.49	
WTZ9M4	6.48	0.68	3.03	6.87	0.48	2.21										



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups						Data units: Unit
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	6.40	6.81	7.48	6.66	7.33	
Median Abs Dev	0.06	0.07	0.03	0.05	0.05	
Avg Within Lab SD	0.05	0.05	0.02	0.04	0.02	
Labs Included	21	21	19	20	20	
Labs Reporting	22	22	21	21	21	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sikora Buffer 2 pH (SubTestCode 1232) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
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	
EY6WWL	6.23		0.76	6.59		1.22	7.44		1.00	6.54		0.87	7.24		1.00	
WTZ9M4	6.68		1.19	6.96		0.71				6.91		1.11				
Sikora Buffer 2 pH (SubTestCode 1232) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	6.46			6.78			7.44			6.73			7.24			
Median Abs Dev	0.10			0.02			0.03			0.03			0.04			
Avg Within Lab SD	2			2			1			2			1			
Labs Included	2			2			1			2			1			
Labs Reporting	2			2			1			2			1			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	7.33	0.40	1.37	7.52	0.84	1.61	7.67	0.18	1.22	7.34	-0.60	0.76	7.79	0.30	0.88	
9EFP3N	7.19	-1.18	0.30	7.41	-0.35	0.77	7.62	-0.83	0.34	7.38	-0.16	0.22	7.74	-0.52	0.44	
JY7K3D	7.28	-0.18	0.30	7.47	0.35	0.45	7.70	0.65	0.59	7.49	1.24	0.58	7.80	0.57	0.44	
QQF7K3	7.22	-0.77	0.60	7.40	-0.46	0.77	7.62	-0.77	1.02	7.40	0.16	0.44	7.75	-0.30	1.32	
R6PEXC	7.31	0.18	0.90	7.41	-0.39	1.18	7.65	-0.18	1.22	7.31	-0.92	1.59	7.73	-0.68	0.88	
TB94QK	7.41	1.32	1.67	7.59	1.65	0.77	7.74	1.43	1.22	7.47	0.96	1.52	7.87	1.67	1.52	

Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	7.29			7.44			7.66			7.39			7.77			
Median Abs Dev	0.05			0.04			0.04			0.06			0.03			
Avg Within Lab SD	0.02			0.01			0.02			0.03			0.01			
Labs Included	6			6			6			6			6			
Labs Reporting	6			6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups															Data units: Unit	
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	6.29	-0.71	0.44	6.66	-0.58	0.91	7.18	-0.75	1.05	6.55	0.09	1.16	7.00	0.00	0.90	
CBQEHF	6.01	-2.53	0.59	6.49	-2.36	1.49	7.33	0.79	1.46	6.50	-0.62	0.28	6.97	-0.38	1.56	
LHWBEJ	6.41	0.11	1.94	6.74	0.33	1.36	7.12	-1.31	1.20	6.46	-1.15	1.87	6.97	-0.42	0.90	
TH9FT9	6.40	0.02	0.51	6.72	0.11	0.22	7.31	0.52	0.26	6.66	1.51	0.21	7.12	1.29	0.90	
UPML67	6.40	0.00	0.65	6.71	0.00	0.22	7.25	0.00	0.52	6.54	0.00	0.21	7.12	1.29	0.34	

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups															Data units: Unit	
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	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	6.40			6.71			7.25			6.54			7.00			
Median Abs Dev	0.02			0.03			0.08			0.05			0.04			
Avg Within Lab SD	0.04			0.04			0.02			0.05			0.02			
Labs Included	5			5			5			5			5			
Labs Reporting	5			5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6DERVP	5.91		0.44	6.16		0.74				6.02		1.71			
7L9XPQ	5.99		0.38	6.21		1.56	6.74		1.41	6.09		0.26	6.49		0.48
B7UHBA	6.03		1.63	6.20		0.00	6.80		0.00	6.10		0.00	6.57		1.33
Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	5.99			6.20			6.77			6.09			6.53		
Median Abs Dev															
Avg Within Lab SD	0.09			0.02			0.02			0.04			0.04		
Labs Included	3			3			2			3			2		
Labs Reporting	3			3			2			3			2		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	98.3	-0.91	0.13	100.7	-0.82	0.13	59.7	0.39	0.33	11.0	0.50		3.0	0.77	0.42
6DERVP	127.3	1.03	0.71	132.9	1.01	0.56	57.2	-0.08	0.30	9.5	-0.62	0.05	2.6	0.15	0.30
6YJ2J2	99.8	-0.82	0.02	90.7	-1.39	0.18	51.7	-1.16	0.64	8.7	-1.25	0.18	2.0	-0.82	0.53
7VADEV	93.1	-1.26	0.50	95.5	-1.12	1.37	61.7	0.78	0.71	10.8	0.33	0.50	2.8	0.41	0.81
84XV4N	112.3	0.03	0.70	112.3	-0.16	1.87	53.0	-0.90	0.95	9.0	-1.02	0.53	2.3	-0.26	0.25
9EFP3N	94.3	-1.18	0.27	88.0	-1.54	0.46	55.3	-0.45	0.65	10.3	0.00	0.65	2.8	0.51	1.23
A2BQTW	164.7	3.55X	2.05	167.1	2.94X	0.75	61.7	0.79	1.27	10.0	-0.23	5.73	7.8	8.04X	2.09
A76LRH	104.2	-0.52	0.42	101.9	-0.75	1.16	57.9	0.05	0.37	9.5	-0.60	0.35	2.0	-0.71	1.30
ADKB8H	133.6	1.46		141.1	1.47		65.3	1.49		11.0	0.50		2.0	-0.77	
AJ99HR	116.9	0.33	0.47	120.4	0.30	0.42	57.4	-0.04	0.58	11.4	0.84	0.15	3.8	1.93	0.46
AQB6JC	127.0	1.01	0.23	130.7	0.88	0.13	60.6	0.57	0.00	10.6	0.17	0.17	2.5	0.00	0.42
AR2G3H	93.2	-1.26	0.63	91.4	-1.35	0.32	48.4	-1.79	0.86	12.1	1.32	0.34	1.1	-2.09	0.25
AZBTC9	102.7	-0.62	1.24	106.5	-0.49	0.66	61.0	0.66	0.57	10.7	0.27	0.41	2.4	-0.15	0.42
BDXF3L	107.1	-0.32		112.2	-0.17		60.0	0.46		5.5	-3.62X		1.5	-1.53	
C4MDGL	105.0	-0.47	0.18	106.1	-0.52	0.03	48.2	-1.83	0.64	8.6	-1.28	0.18	2.6	0.17	0.69
CBQEHF	104.5	-0.50	1.69	102.2	-0.74	2.30	54.3	-0.64	2.13	9.8	-0.38	0.17	2.8	0.50	3.43
D8M7NP	78.4	-2.26		94.6	-1.17		43.1	-2.81X		7.0	-2.49		2.5	-0.05	
E72W78	123.3	0.77	0.27	125.3	0.58	0.13	58.4	0.14	0.23	10.3	0.00	0.65	3.0	0.72	0.43
EAP9AJ	114.4	0.17	0.52	122.0	0.39	1.58	59.0	0.26	0.38	19.6	6.93X	7.08	11.6	13.87X	4.88
ENMKF3	118.5	0.44		118.8	0.21	0.00	55.5	-0.41		10.5	0.09	0.00	2.5	0.00	
EWWM24	112.4	0.03	0.11	117.1	0.11	0.22	62.4	0.93	0.29	10.2	-0.12	0.91	2.3	-0.26	0.49
EXBBZA	111.7	-0.02	0.58	115.3	0.01	1.07	56.1	-0.30	1.08	10.0	-0.22	0.28	2.4	-0.10	0.25
F8V6RW	101.0	-0.73	0.22	106.8	-0.48	1.68	56.8	-0.15	0.19	9.9	-0.33	0.93	1.7	-1.26	0.38
GH7WTB	88.3	-1.59	0.09	84.6	-1.73	0.15	48.8	-1.72	0.60	7.5	-2.11	0.21	0.9	-2.46	1.49
J4ZF4L	104.9	-0.47	1.22	105.3	-0.56	0.27	60.2	0.49	1.04	12.5	1.60	0.76	3.5	1.54	1.76
JEJRHJ	99.5	-0.84	0.11	103.7	-0.65	0.14	55.2	-0.47	1.20	8.6	-1.30	0.00	2.2	-0.51	0.25



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
JJDV6W	121.2	0.62	0.22	124.5	0.53	0.25	57.2	-0.09	0.44	10.2	-0.09	0.17	2.5	0.05	0.26
JR9NJG	112.2	0.02	0.58	115.5	0.02	0.37	52.2	-1.05	0.20	8.7	-1.20	0.39	2.1	-0.67	0.39
JY7K3D	117.8	0.40	0.66	125.5	0.59	0.89	62.5	0.94	0.81	11.9	1.14	0.35	9.1	10.10X	0.69
KLXV4C	112.3	0.03	0.48	115.0	-0.01	0.46	52.3	-1.03	0.74	9.1	-0.95	0.73	2.8	0.41	1.30
LHWBEJ	103.5	-0.57	0.31	95.1	-1.14	0.05	59.1	0.29	0.51	10.5	0.10	0.17	2.2	-0.40	0.30
LYGYPD	125.5	0.91	2.11	125.0	0.56	2.73	51.5	-1.19	4.47	9.4	-0.69	1.51	2.9	0.68	0.99
M7X23U	125.3	0.90	3.22	129.3	0.80	1.28	58.0	0.07	0.98	12.3	1.50	0.65	3.2	1.04	2.99
M8W3B7	120.2	0.55	0.47	126.4	0.63	0.15	58.8	0.22	0.36	10.7	0.30	0.36	3.8	1.94	0.65
MC2YV7	121.7	0.66	0.44	125.8	0.60	0.40	54.3	-0.64	1.18	10.3	0.00	0.33	2.8	0.51	1.23
MZC6HD	112.2	0.02	0.60	115.5	0.02	0.37	52.2	-1.04	0.20	8.7	-1.20	0.35	2.1	-0.66	0.37
QQF7K3	135.8	1.61	0.38	141.2	1.47	0.14	63.7	1.18	0.35	10.8	0.35	0.11	2.5	0.00	
R6PEXC	98.2	-0.92	0.43	90.2	-1.41	0.36	52.7	-0.95	1.16	7.5	-2.12	0.15	1.9	-0.89	0.96
TB94QK	94.7	-1.16	0.13	94.8	-1.15	0.65	53.6	-0.78	0.38	8.3	-1.49	0.08	1.6	-1.36	0.20
TH9FT9	105.0	-0.47	0.05	101.4	-0.78	0.07	53.9	-0.73	0.12	10.3	0.00	0.19	3.1	0.98	0.19
UPML67	108.3	-0.24	1.50	112.7	-0.14	0.94	61.8	0.80	1.08	10.6	0.20	0.39	2.9	0.56	0.65
V7PNDX	109.3	-0.17	0.48	116.3	0.07	0.27	54.2	-0.66	0.29	10.8	0.35	1.08	2.7	0.31	0.74
VELMNJ	99.8	-0.82	0.40	97.5	-1.00	0.85	59.7	0.41	0.82	10.6	0.19	0.08	2.6	0.13	0.27
VJDRGN	129.0	1.15	0.20	135.4	1.14	0.21	60.8	0.61	0.43	10.8	0.31	0.03	2.4	-0.13	0.14
VT3KRY	108.4	-0.23	0.32	112.8	-0.14	1.66	63.3	1.09	0.31	10.3	-0.01	0.20	2.3	-0.24	0.45
WTZ9M4	120.3	0.57	3.67	118.3	0.18	0.94	61.6	0.77	0.80	11.0	0.50	0.34	2.5	0.05	0.25
WWFHYL	122.7	0.72	0.13	127.7	0.71	0.27	57.6	0.00	0.09	10.1	-0.17	0.11	2.4	-0.19	0.02
YAJLEZ	119.6	0.52	0.24	123.6	0.47	1.75	77.3	3.81X	21.43	10.3	0.00	0.06	2.4	-0.17	0.24
ZBNVHH	113.3	0.09	1.33	120.0	0.27	2.32	58.7	0.20	0.65	12.0	1.25	1.13	3.8	1.99	1.12



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups						Data units: mg/kg
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	111.9	115.2	57.6	10.3	2.50	
Median Abs Dev	8.8	10.5	3.3	0.5	0.33	
Avg Within Lab SD	4.4	4.3	1.8	0.9	0.24	
Labs Included	48	48	47	47	46	
Labs Reporting	49	49	49	49	49	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg				
														SRS2205				
SRS2201				SRS2202				SRS2203				SRS2204						
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
8R74JK	37.0			41.0		0.40	56.3		0.75	16.0			15.0					
8T66RW	136.4		1.64	125.6		1.71	56.5		0.34	15.1		1.34	8.3					0.28
GDGCVM	97.5		0.27	107.8		0.17	61.3		1.62	9.0		0.93	3.7					1.46
TF7K6Y	89.3		0.49	89.3		0.93	54.0		0.85	11.3		0.59	2.3					0.89
NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg				
														SRS2205				
SRS2201				SRS2202				SRS2203				SRS2204						
Grand Median	93.4			98.5			56.4			13.2			5.98					
Median Abs Dev																		
Avg Within Lab SD	4.7			2.5			2.0			1.0			0.65					
Labs Included	4			4			4			4			4					
Labs Reporting	4			4			4			4			4					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg					
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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
HPK369	141.8		1.00	130.8		1.00	62.8		1.00	14.5		1.00	6.1		1.00			

NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg					
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
Grand Median	141.8			130.8			62.8			14.5			6.14					
Median Abs Dev																		
Avg Within Lab SD	0.5			2.1			0.6			0.6			0.90					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	8.0	0.08	0.09	47.7	-1.00	0.36	3.9	0.89	0.34	6.2	0.80	0.44	6.0	1.41	
6DERVP	7.9	0.04	0.72	62.5	0.57	0.97	2.8	0.09	1.33	4.9	-0.05	2.19	3.8	-0.44	0.33
6YJ2J2	5.7	-0.98	0.17	50.4	-0.71	1.27	3.9	0.86	1.10	5.5	0.35	0.82	4.4	0.08	0.34
84XV4N	8.0	0.10	1.38	60.4	0.35	1.30	3.3	0.44	1.62	4.8	-0.11	0.73	4.0	-0.27	1.32
8T66RW	11.7	1.88	1.17	62.5	0.57	2.07	3.6	0.64	0.29	7.2	1.48	3.07	6.6	1.87	2.42
9EFP3N	9.0	0.59	0.33	54.0	-0.33	0.93	4.1	1.01	0.29	7.1	1.44	0.84	5.6	1.07	0.66
A2BQTW	8.0	0.12	0.47	56.8	-0.03	0.59	3.7	0.77	0.33	6.9	1.27	0.13	4.0	-0.28	0.15
AJ99HR	6.7	-0.51	1.13	62.6	0.59	0.67	0.8	-1.28	0.53	4.0	-0.60	1.60	3.4	-0.80	1.49
AQB6JC	8.0	0.10	0.42	61.7	0.49	0.95	2.7	0.04	0.29	4.6	-0.24	0.44	4.0	-0.30	0.50
C4MDGL	4.7	-1.48	0.12	45.7	-1.21	0.37	1.2	-0.99	1.10	2.9	-1.35	0.04	2.5	-1.51	0.43
CBQEHF	6.7	-0.50	1.35	52.0	-0.54	1.10	2.3	-0.24	1.16	4.8	-0.07	0.99	4.3	0.00	2.76
D8M7NP	9.1	0.64		38.9	-1.94		6.1	2.40		6.5	0.99		6.2	1.55	
EAP9AJ	12.9	2.45	4.44	54.1	-0.32	1.87	8.9	4.32X	2.50	10.9	3.89X	21.26	9.4	4.29X	5.12
ENMKF3	7.8	0.00	0.00	57.4	0.03	0.00	2.4	-0.18	0.00	5.0	0.05	0.00	4.8	0.38	0.00
EWWM24	8.7	0.45	0.46	62.0	0.52	0.38	3.5	0.57	2.45	5.5	0.36	1.49	4.3	0.01	0.68
GH7WTB	7.4	-0.18	0.93	48.9	-0.87	1.28	3.7	0.70	2.47	5.2	0.20	0.95	4.3	0.00	0.37
JEJRHJ	14.5	3.21X	0.64	65.4	0.88	0.35	8.1	3.79X	3.63	12.5	4.97X	3.11	10.6	5.25X	0.83
JJDV6W	7.2	-0.28	0.24	51.0	-0.65	0.10	1.5	-0.78	0.13	2.9	-1.36	0.33	3.4	-0.76	0.31
JR9NJG	8.7	0.43	0.21	63.0	0.63	0.54	2.4	-0.15	0.06	5.2	0.17	0.48	4.7	0.28	0.24
JY7K3D	8.5	0.34	0.25	60.7	0.38	0.46	2.5	-0.08	0.35	4.4	-0.33	0.55	4.4	0.09	0.22
KLXV4C	7.5	-0.12	0.93	51.0	-0.65	1.25	3.6	0.66	1.84	5.8	0.54	1.02	4.7	0.32	0.66
LHWBEJ	6.9	-0.41	0.14	44.5	-1.34	0.08	2.6	-0.04	0.13	5.3	0.23	0.17	4.7	0.30	0.12
LYGYPD	9.4	0.78	0.48	62.7	0.60	2.34	3.3	0.49	1.20	6.2	0.81	0.98	5.7	1.17	1.80
MAF3MF	12.1	2.05	0.09	70.6	1.45	0.26	4.9	1.57	0.13	7.3	1.58	0.44	7.3	2.49	0.13
MC2YV7	6.8	-0.46	0.32	54.9	-0.23	0.26	2.4	-0.14	0.20	4.2	-0.50	0.08	3.7	-0.50	0.21
QQF7K3	7.6	-0.11	0.09	59.5	0.25	0.10	2.5	-0.09	0.29	4.1	-0.55	0.00	3.8	-0.44	0.00



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
R6PEXC	5.7	-0.98	0.49	50.1	-0.74	1.23	3.8	0.78	1.29	5.7	0.48	1.16	4.4	0.10	0.88
TH9FT9	4.7	-1.47	0.03	45.8	-1.20	0.04	0.9	-1.20	0.07	2.8	-1.41	0.22	2.5	-1.51	0.15
UPML67	5.3	-1.21	0.64	45.7	-1.21	0.66	1.0	-1.09	0.40	3.3	-1.05	1.18	4.1	-0.16	1.00
V7PNDX	10.4	1.23	1.15	74.0	1.80	1.25	5.7	2.13	1.36	7.7	1.81	1.05	7.5	2.70	1.33
VJDRGN	7.2	-0.26	0.04	57.7	0.06	0.33	2.1	-0.39	0.09	3.9	-0.71	0.16	4.0	-0.26	0.20
VT3KRY	11.0	1.55	0.40	58.3	0.12	0.96	1.8	-0.54	0.90	4.7	-0.16	0.71	4.1	-0.20	0.97
WTZ9M4	7.2	-0.27	0.40	51.8	-0.56	1.65	2.6	-0.05	0.61	4.4	-0.37	0.61	4.1	-0.19	1.51
WWFHYL	7.4	-0.18	0.05	57.7	0.07	0.17	2.2	-0.30	0.15	4.7	-0.16	0.39	4.2	-0.12	0.22

NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg					
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	7.79			57.1			2.64			4.94			4.32		
Median Abs Dev	0.94			5.5			0.88			0.80			0.37		
Avg Within Lab SD	0.63			1.6			0.34			0.34			0.30		
Labs Included	33			34			32			32			32		
Labs Reporting	34			34			34			34			34		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	87.4	-0.26	0.07	48.7	-0.34	0.18	8.4	-1.10	0.46	7.9	-0.72	1.00	27.4	-0.50	0.78	
38KLN	86.5	-0.33	0.50	52.0	0.03	0.21	7.8	-1.30	0.29	10.4	0.04	0.58	27.0	-0.57	0.57	
7VADEV	104.9	1.14	1.39	59.6	0.86	1.29	12.9	0.48	1.16	9.1	-0.37	1.05	30.6	0.13	1.09	
84ZKA7	82.8	-0.63	0.09	49.9	-0.21	0.05	11.4	-0.07	0.11	13.8	1.08	0.34	29.6	-0.07	0.06	
8L3X9N	89.2	-0.12	0.00	49.7	-0.23	0.00	10.6	-0.32	0.01	8.8	-0.46	0.01	31.7	0.34	0.01	
8R74JK	92.0	0.11		52.0	0.02		12.0	0.15		8.7	-0.49	1.28	28.3	-0.31	1.11	
9EFP3N	106.3	1.26	0.66	55.7	0.43	0.30	9.7	-0.67	1.06	10.7	0.12	1.28	31.3	0.28	1.47	
ADKB8H	31.9	-4.71X		18.9	-3.60X		4.2	-2.57		3.8	-2.00		22.3	-1.50		
AZBTC9	87.0	-0.29	1.29	50.0	-0.19	0.52	12.3	0.27	1.06	10.3	0.02	1.28	30.0	0.02		
BDXF3L	132.0	3.31		66.0	1.56		13.0	0.50		16.0	1.77		36.0	1.20		
C4MDGL	91.2	0.04	0.29	61.9	1.10	0.08	10.5	-0.37	0.49	13.9	1.12	1.74	32.4	0.49	0.48	
CBQEHF	86.0	-0.38	0.81	46.1	-0.62	1.77	8.6	-1.04	2.21	5.2	-1.57	0.97	21.4	-1.69	2.10	
DL28KF	78.3	-0.99	0.66	49.0	-0.30	1.36	12.3	0.27	2.12	13.0	0.85	2.22	29.0	-0.19	0.79	
ELGX3X	84.2	-0.51	0.50	47.8	-0.44	0.33	7.8	-1.31	0.21	10.7	0.14	0.31	27.1	-0.55	0.72	
EWWM24	83.0	-0.61	0.43	50.0	-0.19	0.52	13.0	0.50		12.0	0.54		29.7	-0.05	0.55	
F6PGC8	86.3	-0.35	1.74	51.2	-0.07	0.90	11.8	0.09	1.40	10.2	-0.03	0.64	29.8	-0.02	0.73	
GH7WTB	92.6	0.15	0.40	43.9	-0.86	0.89	10.6	-0.33	0.23	8.8	-0.46	0.16	27.2	-0.54	0.41	
HTPNZL	96.2	0.44	2.84	57.4	0.62	1.47	11.8	0.07	0.66	10.2	-0.02	1.73	31.4	0.29	1.19	
JR9NJK	132.1	3.32	0.21	76.4	2.70	0.09	17.1	1.92	0.55	15.4	1.60	0.50	43.1	2.60	0.18	
LHWBEJ	89.7	-0.08	1.38	44.3	-0.81	1.81	10.0	-0.55		8.0	-0.70		27.7	-0.44	1.11	
QQF7K3	97.7	0.56	0.54	59.0	0.79	0.18	10.6	-0.35	0.74	9.4	-0.28	0.13	30.3	0.07	0.96	
R6PEXC	111.7	1.69	1.55	71.4	2.15	2.24	14.9	1.17	0.46	15.1	1.48	0.10	43.7	2.71	0.41	
TH9FT9	92.0	0.10	0.14	51.8	0.00	0.72	10.6	-0.35	0.32	9.2	-0.32	0.25	28.7	-0.23	0.47	
UPML67	92.7	0.16	0.57	58.5	0.74	1.18	12.5	0.34	1.54	11.8	0.49	0.46	35.1	1.01	1.39	
VELMNJ	90.7	0.00	0.66	50.3	-0.16	0.30	12.0	0.15		10.0	-0.08		32.0	0.41	0.96	
WTZ9M4	90.5	-0.01	0.67	65.2	1.46	1.19	15.3	1.30	0.66	12.7	0.76	0.71	36.6	1.31	1.96	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205
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	

Z6H2P8 **92.5** 28.26X

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205
Grand Median	90.7			51.8			11.6			10.3			29.9			
Median Abs Dev	4.3			4.0			1.2			1.6			2.2			
Avg Within Lab SD	2.3			1.9			0.5			0.4			1.0			
Labs Included	25			25			26			26			26			
Labs Reporting	26			26			27			26			26			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7TM4ZN	72.5	0.41	0.12	44.6	0.41	0.08	7.6	0.06	0.23	8.1	-1.72	0.04	27.9	0.62	0.33	
84XV4N	89.0	2.90	0.13	55.1	3.02	0.43	11.7	1.56	1.90	9.1	0.79	0.42	28.4	0.78	1.59	
B3WWLR	69.9	0.00	0.11	43.4	0.09	0.06	7.2	-0.09	0.25	8.5	-0.76	0.15	27.7	0.55	0.01	
BEQDBT	14.6	-8.37X	0.20	15.9	-6.76X	0.06	1.5	-2.15	0.11	9.0	0.55	0.31	24.7	-0.43	0.59	
D8M7NP	67.4	-0.38	2.38	41.6	-0.34	2.18	8.4	0.34	1.25	8.9	0.37	2.35	23.9	-0.70	1.11	
KLXV4C	69.0	-0.13	0.74	43.0	0.00	1.34	10.2	1.00	1.28	8.8	0.00	1.07	27.3	0.43	1.30	
M8W3B7	70.4	0.08	0.85	42.7	-0.08	0.36	7.1	-0.13	1.01	8.6	-0.53	0.22	23.9	-0.70	1.22	
YMJMR2	64.4	-0.83	0.16	39.9	-0.78	0.36	7.3	-0.06	0.18	5.6	-8.26X	0.19	22.5	-1.18	0.79	

PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	69.9			43.0			7.44			8.77			26.0			
Median Abs Dev	2.5			1.4			0.65			0.21			2.0			
Avg Within Lab SD	4.9			3.3			0.56			0.95			1.2			
Labs Included	7			7			8			7			8			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7TM4ZN	35.4	0.20	0.08	19.1	0.13	0.47	4.7	-0.06	0.03	6.0	0.27	0.20	21.9	0.67	0.37
7VADEV	36.7	0.46	0.34	17.9	-0.23	1.29	3.5	-0.61	0.13	4.0	-0.73	0.80	14.5	-1.59	0.52
84XV4N	29.7	-0.96	2.64	14.7	-1.13	2.54	3.0	-0.83	0.50	4.0	-0.73	3.25	17.0	-0.82	2.25
8R74JK	32.7	-0.35	0.85	18.0	-0.19		5.7	0.40	0.29	6.0	0.27		19.0	-0.21	0.85
8T66RW	38.4	0.79	1.22	23.3	1.32	0.60	11.4	3.04	0.60	10.9	2.72	1.77	22.1	0.72	0.46
9EFP3N	32.0	-0.49	0.56	16.3	-0.66	0.51	4.7	-0.06	0.29	5.3	-0.06	1.08	20.0	0.09	
A2BQTW	65.2	6.18X	0.92	43.1	6.92X	0.15	9.4	2.11	0.16	20.6	7.57X	1.65	31.4	3.56X	0.43
A76LRH	30.9	-0.70	0.42	14.7	-1.13	0.36	3.7	-0.51	0.05	4.7	-0.40	0.22	19.1	-0.19	0.90
AJ99HR	37.0	0.51	1.28	18.7	0.01	0.80	3.5	-0.59	0.09	4.4	-0.52	0.41	20.5	0.24	0.67
AQB6JC	37.0	0.51	0.56	19.7	0.28	0.51	4.0	-0.37		5.0	-0.23		18.3	-0.41	0.49
AR2G3H	33.6	-0.17	0.98	21.8	0.88	0.89	4.8	0.00	0.17	7.2	0.87	0.33	17.1	-0.79	0.43
AZBTC9	32.0	-0.49	0.56	18.7	0.00	0.51	5.0	0.09		6.0	0.27		19.3	-0.11	0.98
B3WWLR	39.1	0.94	0.27	23.3	1.32	0.32	8.2	1.57	0.02	9.0	1.77	0.34	26.8	2.15	0.18
BEQDBT	29.0	-1.10	0.15	16.1	-0.74	0.19	4.5	-0.16	0.03	6.1	0.34	0.81	21.6	0.58	0.55
C4MDGL	34.4	0.00	0.09	19.3	0.18	0.46	4.7	-0.07	0.09	7.1	0.83	0.44	19.7	0.00	0.52
CBQEHF	35.8	0.28	2.10	16.7	-0.56	3.07	6.3	0.70	0.62	7.9	1.25	1.57	18.9	-0.24	0.86
E72W78	37.7	0.65	0.32	19.7	0.28	0.51	7.3	1.17	0.29	5.0	-0.23		22.7	0.90	0.49
EWWM24	35.7	0.25	0.32	19.3	0.19	0.51	6.0	0.55		7.3	0.94	1.08	22.0	0.70	
EXBBZA	35.2	0.16	0.89	18.8	0.04	0.38	4.3	-0.25	0.10	5.2	-0.11	0.39	21.0	0.39	0.68
GDGCVM	29.3	-1.04	0.21	15.9	-0.77	0.40	4.8	0.00	0.15	4.1	-0.66	0.22	19.5	-0.06	0.51
GH7WTB	31.4	-0.62	0.11	14.8	-1.08	0.05	5.0	0.08	0.07	4.5	-0.47	0.75	16.4	-1.02	0.46
HPK369	40.0	1.11	0.40	21.6	0.83	0.79	6.1	0.59	0.21	7.4	0.97	1.40	21.2	0.46	0.53
J4ZF4L	35.0	0.12	1.07	18.2	-0.12	0.61	3.9	-0.40	0.02	4.6	-0.43	0.25	19.7	0.01	0.30
JEJRHJ	38.3	0.78	0.65	23.7	1.41	0.51	9.7	2.25	0.29	11.7	3.11	1.08	25.3	1.71	0.49
KLXV4C	31.0	-0.69	0.56	18.0	-0.19	0.88	5.3	0.23	0.38	6.3	0.42	0.99	18.0	-0.52	0.85
LHWBEJ	22.0	-2.49	0.56	11.0	-2.17		3.0	-0.83		3.0	-1.23		15.0	-1.43	0.85



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M7X23U	36.5	0.42	1.93	20.7	0.56	1.42	4.4	-0.18	0.36	5.4	-0.04	0.60	21.2	0.45	1.70	
M8W3B7	32.5	-0.39	0.28	16.9	-0.51	0.60	3.9	-0.40	0.10	5.2	-0.11	0.60	17.9	-0.54	0.32	
QQF7K3	33.4	-0.20	1.16	17.3	-0.40	1.17	3.6	-0.54	0.03	4.7	-0.40	0.54	18.1	-0.49	0.09	
TH9FT9	29.6	-0.96	0.26	14.8	-1.09	0.44	5.5	0.34	0.11	6.3	0.44	0.32	19.2	-0.14	0.42	
TULNP9	79.0	8.94X		63.1	12.56X	1.76	15.3	4.85X	0.05	26.3	10.42X	0.28	44.8	7.62X	0.85	
UPML67	33.8	-0.13	0.12	16.4	-0.63	1.20	4.6	-0.08	0.12	5.9	0.23	0.97	19.5	-0.07	0.77	
UTA9V9	33.8	-0.12	0.38	18.9	0.07	0.42	5.6	0.37	0.01	6.8	0.65	0.17	25.0	1.60	0.85	
VELMNJ	28.9	-1.12	0.90	17.0	-0.48	0.85	4.4	-0.18	0.00	6.1	0.34	0.43	17.3	-0.74	0.90	
VT3KRY	39.1	0.93	0.02	21.3	0.75	0.28	5.0	0.10	0.15	5.5	0.04	0.21	22.2	0.76	0.07	
VUW7MC	31.2	-0.66	0.81	15.2	-0.99	0.25	2.6	-1.01	0.12	3.7	-0.89	1.44	17.7	-0.61	0.53	
WFADBA	38.4	0.79	0.73	26.5	2.22	0.55	10.3	2.53	0.13	30.8	12.69X	0.52	11.6	-2.46	0.54	
WTZ9M4	50.5	3.22	2.91	24.7	1.71	1.80	5.8	0.45	0.51	8.0	1.26	1.64	25.0	1.61	1.71	
YAJLEZ	35.0	0.12	0.42	19.2	0.15	1.21	10.8	2.79	5.90	5.1	-0.20	0.07	21.7	0.59	3.48	
YMJMR2	33.5	-0.18	0.84	18.5	-0.05	0.33	3.7	-0.51	0.10	4.5	-0.49	0.52	20.2	0.14	0.58	
Z6H2P8							5.7	0.43	0.00							
ZBNVHH	40.3	1.18	1.16	21.7	0.85	1.34	5.3	0.22	0.10	4.0	-0.71	0.43	20.0	0.09	1.47	
PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	34.4			18.7			4.80			5.46			19.7			
Median Abs Dev	2.6			2.0			0.87			0.91			1.8			
Avg Within Lab SD	1.8			1.1			1.98			0.53			1.2			
Labs Included	39			39			41			38			39			
Labs Reporting	41			41			42			41			41			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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
84XV4N	3.87		1.41	2.87		1.35	8.00		1.66	4.23		1.41	14.00		1.34			
B7UHBA	2.50			1.33		0.42	6.67		0.41	1.50			11.50					
QQF7K3	2.20		0.00	1.50			5.80		0.28	1.73		0.12	12.73		0.45			
PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
Grand Median	2.50			1.50			6.67			1.73			12.7					
Median Abs Dev																		
Avg Within Lab SD	1.11			0.69			0.71			0.50			0.3					
Labs Included	3			3			3			3			3					
Labs Reporting	3			3			3			3			3					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
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
EXBBZA	50.7		0.91	41.3		0.75	8.9		0.63	7.4		1.23	26.1		1.00
ZBNVHH	68.7		1.08	51.0		1.20	9.6		1.26	7.8		0.69	27.0		
PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	59.7			46.2			9.28			7.60			26.5		
Median Abs Dev															
Avg Within Lab SD	2.8			2.2			0.24			0.37			0.5		
Labs Included	2			2			2			2			2		
Labs Reporting	2			2			2			2			2		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
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
AZBTC9	123.0	0.26	0.53	70.3	0.00	0.18	109.0	0.05	0.53	44.7	0.00	0.08	55.0	0.00	0.51
C4MDGL	122.5	0.23	0.39	71.2	0.08	0.29	110.7	0.13	1.78	48.7	0.36	0.14	60.5	0.80	0.22
CBQEHF	88.8	-1.89	2.00	54.6	-1.42	1.86	89.5	-0.89	0.99	24.5	-1.78	2.94	49.5	-0.80	2.63
EWWM24	109.7	-0.58	0.47	69.7	-0.06	0.64	64.0	-2.11	1.07	39.0	-0.50	0.14	56.7	0.24	0.22
LHWBEJ	105.7	-0.83	0.18	57.3	-1.18	0.64	108.0	0.00	1.07	37.0	-0.68	0.14	53.0	-0.29	0.19
QQF7K3	100.1	-1.18	0.35	66.8	-0.32	0.14	90.2	-0.86	0.74	47.6	0.26	0.05	47.6	-1.07	0.03
RU8WYD	118.9	0.00	0.75	87.1	1.52	0.92	137.5	1.42	0.48	56.5	1.05	0.30	52.9	-0.30	0.11
TH9FT9	127.1	0.52	0.29	70.7	0.03	0.17	103.8	-0.20	1.19	40.3	-0.39	0.18	56.9	0.28	0.31
WTZ9M4	128.3	0.59	1.88	86.5	1.46	1.93	116.7	0.42	0.31	56.6	1.06	0.42	70.7	2.29	1.25

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	118.9			70.3			108.0			44.7			55.0		
Median Abs Dev	9.2			3.6			8.7			5.7			2.1		
Avg Within Lab SD	3.2			3.2			1.9			7.2			5.2		
Labs Included	9			9			9			9			9		
Labs Reporting	9			9			9			9			9		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7VADEV	0.96	-1.12	0.04	4.73	-0.80	0.28	5.27	0.00	0.18	3.35	-0.26	0.04	5.72	-0.39	0.41	
84XV4N	19.00	1.28	3.55	14.00	1.68	3.42	5.00	-0.15	3.67	4.67	0.04	2.31	7.33	0.36	2.93	
8R74JK	30.33	2.78X	0.57	28.67	5.62X	2.69	14.00	4.83X		13.67	2.06	3.15	15.33	4.10X	1.47	
9EFP3N	5.33	-0.54	0.57	8.00	0.08		5.33	0.04	0.80	5.33	0.19	0.87	8.00	0.67		
AJ99HR	14.31	0.65	0.07	10.54	0.76	0.29	2.19	-1.71	0.16	0.33	-0.93	0.16	3.43	-1.46	0.17	
AQB6JC	4.00	-0.72		4.00	-0.99		4.00	-0.70		3.00	-0.34		4.00	-1.19		
AR2G3H	6.17	-0.43	0.30	7.53	-0.05	0.15	24.23	10.49X	0.49	16.17	2.62	0.38	6.63	0.04	0.39	
AZBTC9	1.92	-1.00	0.07	6.81	-0.24	0.25	6.86	0.88	0.49	4.50	0.00	0.36	6.48	-0.04	1.63	
C4MDGL	16.90	1.00	0.00	13.70	1.60	0.39	6.80	0.85	0.36	7.54	0.68	0.19	7.41	0.40	0.40	
EXBBZA				5.90	-0.49	0.39	5.20	-0.04	0.37	3.20	-0.29	0.00	6.13	-0.20	0.59	
JR9NJG	1.28	-1.08	0.04	6.86	-0.23	0.28	5.77	0.27	0.13	4.07	-0.10	0.21	6.79	0.11	0.30	
LHWBEJ	6.77	-0.35	0.06	5.83	-0.50	0.20	3.53	-0.96	0.08	3.13	-0.31	0.09	3.53	-1.41	0.15	
M8W3B7	9.40	0.00	0.71	7.43	-0.07	0.73	2.02	-1.80	0.97	1.63	-0.64	0.23	4.27	-1.07	1.20	
MC2YV7	10.68	0.17	0.05	8.11	0.11	0.14	3.91	-0.75	0.28	1.70	-0.63	0.25	3.65	-1.36	0.37	
TB94QK	10.54	0.15	0.29	7.89	0.05	0.26	6.66	0.77	0.05	6.13	0.37	0.32	6.94	0.18	0.38	
TH9FT9	13.20	0.51	0.59	10.60	0.77	0.52	6.93	0.92	0.09	6.74	0.50	0.34	7.46	0.42	0.67	
UPML67	15.00	0.74	0.20	11.27	0.95	0.15	7.13	1.03	0.16	7.03	0.57	0.23	8.27	0.80	0.64	
VELMNJ	14.03	0.62	1.41	17.21	2.54	1.62	6.27	0.56	0.51	13.71	2.07	1.01	10.38	1.79	1.01	
ZBNVHH	1.03	-1.11	0.06	6.90	-0.22	0.34	5.20	-0.04	0.14	3.40	-0.25	0.40	6.00	-0.26	0.44	

SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	9.40			7.71			5.27			4.50			6.56			
Median Abs Dev	4.91			1.85			1.36			1.63			0.88			
Avg Within Lab SD	1.02			0.77			0.72			0.66			0.39			
Labs Included	17			18			17			19			18			
Labs Reporting	18			19			19			19			19			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
38KLNLR	99.8	-0.03	0.42	192.6	-0.35	0.36	289.0	-0.23	0.41	129.3	0.24	0.51	184.6	-0.22	0.46	
7TM4ZN	109.6	0.62	0.35	216.4	0.38	0.45	326.4	1.05	1.04	130.9	0.37	0.44	191.5	0.22	0.62	
7VADEV	91.8	-0.56	0.37	188.7	-0.47	0.32	297.2	0.05	0.35	126.4	0.02	1.06	178.0	-0.64	1.03	
84XV4N	120.7	1.34	3.01	220.7	0.51	1.46	284.7	-0.38	1.99	124.3	-0.15	1.33	179.0	-0.57	1.75	
84ZKA7	70.6	-1.95	0.06	159.7	-1.36	0.22	284.7	-0.38	0.24	115.3	-0.86	0.30	170.0	-1.14	0.30	
8L3X9N	93.6	-0.44	0.00	178.2	-0.79	0.00	305.5	0.34	0.00	126.4	0.02	0.00	186.6	-0.09	0.00	
8R74JK	92.0	-0.54	0.35	154.0	-1.53	0.21	268.7	-0.92	0.06	127.0	0.06	0.34	172.0	-1.01	0.30	
8T66RW	95.4	-0.32	1.47	196.5	-0.23	1.76	246.4	-1.68	1.65	102.6	-1.87	1.57	165.4	-1.43	0.64	
9EFP3N	113.7	0.88	0.27	212.0	0.24	0.19	326.3	1.05	0.36	134.0	0.62	0.39	195.7	0.48	0.35	
A2BQTW	84.6	-1.03	2.56	228.9	0.76	0.83	297.1	0.05	0.56	122.7	-0.28	0.76	176.5	-0.73	1.16	
A76LRH	43.4	-3.74X	0.04	135.6	-2.09	0.32	274.6	-0.72	0.12	95.0	-2.47	0.31	153.4	-2.19	0.67	
ADKB8H	149.0	3.21X		294.0	2.75X		386.0	3.08X		183.0	4.50X		238.0	3.16X		
AJ99HR	101.3	0.07	0.46	229.6	0.78	0.14	285.3	-0.35	0.30	125.8	-0.04	0.59	191.4	0.21	0.37	
AR2G3H	78.3	-1.44	0.14	172.3	-0.97	0.34	267.9	-0.95	0.34	110.4	-1.25	0.27	150.8	-2.35	0.39	
AZBTC9	103.7	0.22	1.02	181.3	-0.69	0.43	304.3	0.30	1.22	134.3	0.64	1.77	181.3	-0.42	2.46	
B3WWLR	105.1	0.32	0.22	222.8	0.57	1.07	278.6	-0.58	0.20	114.8	-0.91	0.27	227.4	2.49	1.53	
BDXF3L	74.0	-1.73		169.0	-1.07		352.0	1.92		136.0	0.78		178.0	-0.63		
BEQDBT	78.5	-1.43	0.04	214.8	0.33	0.02	318.8	0.79	0.17	111.5	-1.17	0.11	166.9	-1.33	0.08	
C4MDGL	101.9	0.11	0.31	190.5	-0.41	0.11	309.1	0.46	0.27	134.8	0.68	0.45	193.5	0.35	0.40	
CBQEHF	102.2	0.13	2.80	192.1	-0.36	3.52	295.7	0.00	3.60	137.8	0.92	3.48	191.9	0.25	1.78	
D8M7NP	104.3	0.27	0.38	222.3	0.56	2.39	311.7	0.55	1.89	118.0	-0.65	2.38	193.0	0.32	1.58	
DL28KF	111.9	0.77	1.18	200.4	-0.11	0.73	283.5	-0.42	0.60	131.2	0.39	0.61	203.4	0.97	0.91	
E72W78	100.3	0.00	0.06	224.0	0.61	0.11	305.7	0.34	0.31	121.7	-0.36	0.11	188.0	0.00	0.26	
ELGX3X	115.3	0.99	0.44	213.7	0.30	0.22	289.0	-0.23	0.63	139.4	1.04	0.83	208.4	1.29	0.97	
EWWM24	90.1	-0.67	0.07	190.3	-0.42	0.33	319.0	0.80	0.37	127.9	0.13	0.38	198.5	0.67	0.39	
EXBBZA				250.0	1.41	1.07	320.0	0.83	1.02	220.0	7.43X		210.0	1.39		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
EY6WWL	119.6	1.27	2.38	237.9	1.04	0.00	334.1	1.31	0.92	141.7	1.23	0.44	196.3	0.53	0.68	
GDGCVM	105.3	0.33	0.46	225.0	0.64	0.19	328.7	1.13	0.24	146.7	1.62	0.41	198.3	0.65	0.63	
GH7WTB	93.2	-0.46	0.23	182.9	-0.65	0.93	295.9	0.01	0.48	125.6	-0.05	0.13	188.4	0.03	0.31	
HPK369	109.4	0.60	0.35	209.8	0.18	0.57	270.1	-0.87	0.64	119.3	-0.54	0.07	170.2	-1.13	0.87	
HTPNZL	81.0	-1.27	1.00	175.4	-0.88	0.72	266.2	-1.01	0.73	117.5	-0.69	1.01	186.5	-0.10	1.40	
J4ZF4L	85.7	-0.96	0.56	204.0	0.00	1.67	289.7	-0.20	1.19	126.0	-0.02	1.37	192.0	0.25	0.80	
JR9NJG	91.8	-0.55	0.59	211.8	0.24	0.34	280.0	-0.53	0.24	110.0	-1.28	1.03	182.3	-0.36	0.17	
KLXV4C	108.0	0.51	0.13	217.7	0.42	0.54	282.7	-0.44	0.66	123.7	-0.20	1.18	178.7	-0.59	0.61	
LHWBEJ	81.7	-1.22	0.40	156.3	-1.46	0.22	249.3	-1.58	0.24	117.7	-0.68	0.69	176.3	-0.74	0.46	
M7X23U	110.0	0.64	1.32	223.3	0.59	1.64	330.0	1.17	1.76	140.0	1.09	1.96	196.7	0.55	1.75	
M8W3B7	109.0	0.57	0.23	227.0	0.70	0.11	303.7	0.27	0.79	137.7	0.91	0.81	189.3	0.08	0.23	
MAF3MF	2,775.0	176.00X	6.59	5,925.0	175.10X	21.44	7,891.7	259.21X	19.12	3,508.3	267.93X	14.11	5,000.0	304.38X	6.56	
TH9FT9	96.5	-0.25	0.13	176.6	-0.84	0.30	291.1	-0.16	0.10	129.5	0.26	0.12	178.8	-0.58	0.31	
TULNP9	109.8	0.63	0.09	241.8	1.16	0.36	341.5	1.56	0.15	114.7	-0.91	0.00	193.9	0.37	0.13	
UPML67	98.3	-0.13	0.73	194.7	-0.29	0.43	283.3	-0.42	0.97	130.0	0.30	0.90	189.0	0.06	1.18	
VELMNJ	84.0	-1.07		170.0	-1.04	0.28	276.7	-0.65	0.29	120.7	-0.44	0.30	183.7	-0.27	0.38	
VT3KRY	114.0	0.90	0.11	236.4	0.99	0.15	304.3	0.29	0.10	130.5	0.34	0.14	195.5	0.48	0.41	
WTZ9M4	103.3	0.20	0.40	200.7	-0.10	2.67	331.3	1.22	1.33	135.7	0.75	0.41	189.3	0.08	2.65	
YAJLEZ	114.2	0.92	0.78	246.4	1.30	0.49	325.0	1.00	0.56	140.0	1.10	0.44	202.7	0.93	0.25	
YMJMR2	96.2	-0.27	0.33	220.4	0.50	0.06	286.8	-0.30	1.02	121.9	-0.34	0.27	187.3	-0.05	0.10	
ZBNVHH	94.3	-0.39	0.68	203.3	-0.02	0.62	270.0	-0.88	1.76	113.3	-1.02	1.13	170.0	-1.14	1.52	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups						Data units: mg/kg
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	100.3	204.0	295.7	126.2	188.0	
Median Abs Dev	8.7	19.3	16.0	8.2	8.7	
Avg Within Lab SD	7.6	9.3	9.8	5.1	6.6	
Labs Included	43	45	45	44	45	
Labs Reporting	46	47	47	47	47	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
38KLNLR	275.3	-0.53	0.24	885.1	-0.73	0.21	4,878.9	-1.14	0.42	4,142.4	-0.49	0.31	1,356.4	0.00	0.42
7TM4ZN	313.1	0.03	0.23	719.6	-1.94	0.11	5,578.5	-0.31	0.80	4,278.4	-0.18	0.14	1,068.4	-2.00	0.49
7VADEV	282.0	-0.43	0.25	907.0	-0.57	0.43	5,834.1	0.00	0.96	4,086.9	-0.61	1.16	1,376.3	0.14	1.55
84XV4N	346.7	0.53	1.28	1,053.3	0.49	0.84	5,993.3	0.19	1.49	4,346.7	-0.03	0.96	1,326.7	-0.21	1.44
84ZKA7	257.3	-0.80	0.02	831.3	-1.13	0.03	5,197.0	-0.76	0.02	4,222.7	-0.31	0.01	1,272.0	-0.59	0.06
8R74JK	443.3	1.96	0.32	962.3	-0.17	0.30	5,981.0	0.18	0.38	4,994.0	1.43	0.23	1,481.7	0.87	0.82
8T66RW	423.7	1.67	3.06	1,032.6	0.34	1.66	4,584.0	-1.49	1.09	3,963.7	-0.89	1.22	1,331.7	-0.17	1.75
9EFP3N	404.0	1.38	0.18	1,037.7	0.38	0.33	6,504.0	0.80	0.88	4,574.7	0.48	0.83	1,446.3	0.63	0.93
A2BQTW	801.5	7.26X	34.95	1,157.9	1.26	0.82	6,252.8	0.50	0.28	4,670.9	0.70	0.24	1,369.7	0.09	0.56
A76LRH	230.1	-1.20	0.19	889.7	-0.70	0.15	6,133.7	0.36	0.29	4,898.0	1.21	0.34	1,404.0	0.33	0.23
AJ99HR	352.1	0.61	0.23	1,274.3	2.11	0.24	5,653.9	-0.22	0.57	5,102.3	1.67	0.42	1,744.3	2.70	0.45
AQB6JC	346.7	0.53	0.49	1,060.0	0.54		5,426.7	-0.49	0.16	4,153.3	-0.46	0.17	1,366.7	0.07	0.26
AR2G3H	260.7	-0.75	0.26	805.3	-1.32	0.07	5,879.4	0.05	0.65	3,936.3	-0.95	0.74	1,093.7	-1.83	0.37
AZBTC9	622.0	4.60X	0.95	1,037.0	0.37	3.82	6,047.7	0.26	1.46	4,458.0	0.22	0.54	1,400.3	0.31	0.92
B3WWLR	252.4	-0.87	0.06	1,001.0	0.11	0.17	5,908.2	0.09	0.46	3,860.8	-1.12	0.97	1,138.7	-1.51	0.26
BDXF3L	452.0	2.09		893.0	-0.68		6,062.0	0.27		4,698.0	0.76		1,236.0	-0.84	
BEQDBT	282.4	-0.43	0.40	829.9	-1.14	0.50	6,169.1	0.40	0.21	4,359.5	0.00	0.27	1,129.4	-1.58	0.63
C4MDGL	343.0	0.47	0.33	1,072.0	0.63	0.23	6,633.0	0.95	0.86	4,651.7	0.66	0.13	1,474.7	0.82	0.47
CBQEHF	344.5	0.49	2.23	925.3	-0.44	2.86	5,554.7	-0.33	2.96	4,445.7	0.19	2.22	1,344.0	-0.09	2.00
D8M7NP	307.0	-0.06	0.62	985.7	0.00	1.90	6,232.7	0.48	2.12	4,096.7	-0.59	3.71	1,272.0	-0.59	1.94
DL28KF	286.9	-0.36	0.17	911.8	-0.54	0.29	5,448.1	-0.46	0.45	4,298.4	-0.14	0.15	1,392.2	0.25	0.46
E72W78	309.3	-0.03	0.02	1,062.0	0.56	0.13	6,064.7	0.28	0.16	4,314.3	-0.10	0.09	1,362.7	0.04	1.03
ELGX3X	273.8	-0.55	0.31	857.3	-0.94	0.21	4,838.1	-1.19	0.62	3,936.7	-0.95	0.30	1,409.3	0.37	0.87
EWWM24	324.1	0.19	0.53	915.3	-0.51	0.21	5,751.0	-0.10	0.46	4,605.7	0.55	0.75	1,361.7	0.04	0.54
EXBBZA	323.3	0.18	0.64	1,093.3	0.79	1.03	6,560.0	0.87	1.77	5,070.0	1.60	1.92	1,500.0	1.00	1.24
EY6WWL	394.7	1.24	2.67	1,250.7	1.93	0.02	7,493.3	1.98	0.92	5,520.0	2.61		1,538.0	1.26	0.28



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
GDGCVM	242.3	-1.02	0.61	956.0	-0.22	0.52	4,694.7	-1.36	0.43	4,411.0	0.12	0.23	1,322.3	-0.24	0.39	
GH7WTB	296.4	-0.22	0.80	928.8	-0.42	1.15	6,158.4	0.39	0.07	4,244.0	-0.26	0.17	1,297.2	-0.41	0.10	
HPK369	317.8	0.10	0.09	970.8	-0.11	0.08	4,923.0	-1.09	0.20	4,066.8	-0.66	0.12	1,295.9	-0.42	0.17	
HTPNZL	287.3	-0.35	0.27	865.6	-0.88	0.33	4,643.7	-1.42	0.32	4,060.5	-0.67	0.94	1,316.2	-0.28	1.01	
J4ZF4L	311.0	0.00	0.43	1,063.0	0.56	0.55	6,453.0	0.74	0.90	4,813.0	1.02	0.57	1,536.3	1.25	1.39	
JR9NJG	311.1	0.00	0.94	1,095.0	0.80	0.37	5,124.8	-0.85	0.14	4,480.7	0.27	0.59	1,443.4	0.61	0.07	
KLXV4C	329.0	0.27	0.39	989.3	0.03	0.08	4,586.0	-1.49	0.34	3,823.0	-1.21	1.11	1,229.3	-0.88	0.85	
LHWBEJ	176.7	-1.99	0.64	726.7	-1.89	0.23	3,793.3	-2.44	0.08	3,726.7	-1.42	0.09	1,170.0	-1.30	0.22	
M7X23U	293.3	-0.26	0.87	1,020.0	0.25	1.45	4,433.3	-1.67	1.60	4,233.3	-0.28	1.72	1,266.7	-0.62	2.58	
M8W3B7	260.3	-0.75	0.09	978.3	-0.05	0.46	4,336.7	-1.79	0.68	4,060.0	-0.67	0.44	1,210.0	-1.02	0.89	
MAF3MF	7,858.3	111.70X	2.64	25,833.3	181.42X	7.66	187,416.7	216.93X	8.74	113,916.7	246.23X	8.62	36,000.0	241.00X	5.59	
TH9FT9	343.3	0.48	0.64	982.8	-0.02	0.76	5,735.0	-0.12	0.38	4,585.0	0.51	0.64	1,444.7	0.61	0.48	
TULNP9	82.7	-3.38	0.18	892.0	-0.68	0.84	10,552.8	5.64X	0.32	5,877.1	3.41X	1.02	1,215.0	-0.98	1.14	
UPML67	371.0	0.89	0.76	991.0	0.04	0.21	5,964.3	0.16	0.44	4,904.3	1.22	0.98	1,463.0	0.74	0.57	
VELMNJ	304.4	-0.10	0.41	870.5	-0.84	0.39	5,829.8	-0.01	0.03	4,388.8	0.07	0.16	1,334.0	-0.16	0.52	
VT3KRY	361.5	0.75	0.14	1,241.7	1.87	0.38	9,706.5	4.63X	0.81	5,788.3	3.21X	0.75	1,565.1	1.45	0.19	
WTZ9M4	373.7	0.93	3.28	1,005.0	0.14	1.98	6,119.0	0.34	2.12	4,496.3	0.31	1.63	1,366.3	0.07	2.22	
YAJLEZ	315.4	0.06	0.56	1,057.0	0.52	0.40	5,773.2	-0.07	1.51	4,451.1	0.21	0.52	1,321.6	-0.24	0.56	
YMJMR2	308.1	-0.04	0.42	1,074.4	0.65	0.24	6,385.2	0.66	0.30	4,603.8	0.55	0.04	1,374.1	0.12	0.19	
ZBNVHH	316.7	0.08	0.87	993.3	0.06	0.23	6,066.7	0.28	1.52	4,066.7	-0.66	0.86	1,266.7	-0.62	1.29	

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	311.1			985.7			5,834.1			4,359.5			1,356.4			
Median Abs Dev	33.4			76.3			386.0			262.8			84.4			
Avg Within Lab SD	23.8			49.8			190.4			177.3			44.7			
Labs Included	43			45			43			43			45			
Labs Reporting	46			46			46			46			46			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
38KLN	23.7	-0.34	0.11	166.2	-0.83	0.61	1,000.8	-0.21	0.37	582.6	-0.61	0.57	214.1	-1.50	0.56
7TM4Z	26.1	-0.10	0.11	204.9	0.44	0.43	984.5	-0.43	0.25	611.4	0.00	0.46	212.4	-1.58	0.94
7VADE	26.8	-0.03	0.13	173.0	-0.60	0.46	1,038.7	0.28	0.20	600.0	-0.24	1.38	234.2	-0.53	0.89
84XV4	36.3	0.92	0.00	226.0	1.14	1.62	1,052.3	0.45	1.80	637.3	0.55	1.66	258.0	0.62	2.11
84ZKA	23.8	-0.33	0.09	166.3	-0.82	0.27	987.3	-0.39	0.06	572.3	-0.83	0.09	284.0	1.87	0.20
8R74J	88.7	6.18X	0.18	202.7	0.37	0.07	986.0	-0.41	0.18	533.7	-1.65	0.20	252.0	0.33	0.98
8T66R	65.7	3.87	2.61	243.5	1.71	2.54	967.0	-0.65	1.96	635.3	0.51	1.86	251.7	0.31	2.02
9EFP3	44.7	1.76	0.36	205.7	0.47	0.47	1,094.7	1.00	0.83	638.0	0.56	0.72	265.0	0.95	0.58
A2BQT	22.7	-0.44	0.21	228.2	1.21	0.91	1,075.7	0.76	0.35	656.8	0.96	0.08	247.8	0.12	0.56
A76LR	16.7	-1.04	0.30	173.9	-0.57	0.55	1,080.9	0.83	0.32	656.3	0.95	0.63	253.9	0.42	0.47
AJ99H	42.3	1.53	0.14	216.7	0.83	0.19	1,003.5	-0.18	0.57	619.2	0.16	0.32	261.6	0.79	0.32
AQB6J	39.3	1.23	0.48	220.3	0.95	0.41	996.3	-0.27	0.05	619.7	0.17	0.30	249.3	0.20	0.27
AR2G3	30.4	0.33	0.26	163.8	-0.91	0.50	915.9	-1.32	0.18	559.8	-1.10	0.16	203.6	-2.01	0.27
AZBTC	60.0	3.30	0.62	177.3	-0.46	0.71	990.0	-0.36	1.25	628.7	0.37	1.07	249.3	0.20	0.24
B3WWL	23.1	-0.40	0.19	205.4	0.46	0.47	938.6	-1.02	1.18	816.3	4.35X	1.10	253.8	0.41	1.17
BDXF3	22.0	-0.51		156.0	-1.16		1,075.0	0.75		657.0	0.97		228.0	-0.83	
BEQDB	24.4	-0.27	0.06	215.6	0.79	0.10	1,137.6	1.56	0.04	678.9	1.43	0.25	236.2	-0.43	0.13
C4MDG	31.9	0.48	0.05	166.1	-0.83	0.35	925.3	-1.20	0.36	549.9	-1.31	0.08	230.3	-0.72	0.16
CBQEH	35.3	0.82	0.82	188.2	-0.11	2.74	1,016.8	-0.01	2.32	619.5	0.17	0.93	249.3	0.20	0.80
D8M7N	29.3	0.22	2.01	200.3	0.29	2.43	1,032.0	0.19	2.88	574.0	-0.80	4.32	238.3	-0.33	2.42
DL28K	24.4	-0.27	0.18	164.2	-0.89	0.68	1,086.1	0.89	1.00	596.6	-0.32	0.58	225.7	-0.94	0.86
E72W7	23.0	-0.41	0.04	208.3	0.56	0.13	1,033.3	0.21	0.15	609.0	-0.05	0.04	254.7	0.46	0.29
ELGX3	23.9	-0.32	0.18	164.9	-0.87	0.55	1,018.0	0.01	0.93	573.1	-0.81	0.30	226.9	-0.88	0.45
EWWM2	30.7	0.36	0.42	191.4	0.00	0.09	1,076.0	0.76	0.21	643.0	0.67	0.20	253.2	0.38	0.08
EXBBZ				207.7	0.53	0.94	1,046.7	0.38	0.62	628.3	0.36	1.35	246.0	0.04	0.70
EY6WW	31.2	0.41	4.22	221.6	0.99	0.16	1,104.4	1.13	0.09	670.8	1.26	0.14	261.2	0.77	0.16



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
GDGCVM	21.3	-0.58	0.36	162.3	-0.95	0.36	961.7	-0.72	0.43	565.7	-0.97	0.27	220.0	-1.22	0.20	
GH7WTB	27.4	0.03	0.41	177.4	-0.46	0.88	1,084.1	0.87	0.09	630.2	0.40	0.22	245.2	0.00	0.11	
HPK369	25.2	-0.19	0.76	197.7	0.21	0.34	969.6	-0.62	0.17	594.4	-0.36	0.15	243.9	-0.06	0.20	
HTPNZL	27.8	0.07	0.39	173.5	-0.59	0.55	988.3	-0.38	0.40	609.1	-0.05	1.29	248.1	0.14	1.00	
J4ZF4L	22.2	-0.49	0.39	210.3	0.62	1.61	1,091.0	0.96	1.19	674.7	1.34	0.49	279.0	1.63	2.10	
JR9NJG	21.8	-0.53	0.53	202.5	0.36	0.26	995.1	-0.29	0.16	615.6	0.09	0.77	240.7	-0.22	0.35	
KLXV4C	34.6	0.75	0.47	188.3	-0.10	0.47	936.0	-1.06	0.55	536.3	-1.60	0.43	222.0	-1.12	1.10	
LHWBEJ	14.7	-1.25	0.65	136.3	-1.81	0.18	880.0	-1.79	0.13	546.3	-1.38	1.08	221.3	-1.15	0.44	
M7X23U	33.3	0.63	1.26	193.3	0.06	1.78	1,000.0	-0.23	2.64	606.7	-0.10	1.57	243.3	-0.09	1.76	
M8W3B7	23.7	-0.35	0.65	190.0	-0.05	0.54	967.3	-0.65	1.10	589.3	-0.47	0.49	229.7	-0.75	1.27	
MAF3MF	690.7	66.61X	1.60	5,300.0	167.70X	10.53	29,166.7	365.91X	8.57	16,550.0	338.51X	2.96	6,575.0	305.32X	5.76	
TH9FT9	37.3	1.03	0.65	177.7	-0.45	1.17	1,085.4	0.88	1.09	583.7	-0.59	0.83	232.0	-0.64	0.81	
TULNP9	41.9	1.49	0.02	244.2	1.73	0.33	1,337.6	4.16X	0.17	769.3	3.35X	0.42	285.7	1.95	0.45	
UPML67	30.0	0.29	0.31	175.3	-0.53	0.49	1,008.3	-0.12	0.47	593.7	-0.38	0.55	235.3	-0.48	0.75	
VELMNJ	27.1	0.00	0.06	171.7	-0.64	0.41	1,054.6	0.48	0.47	603.9	-0.16	0.28	242.4	-0.14	0.43	
VT3KRY	32.4	0.53	0.20	234.3	1.41	0.21	1,233.4	2.81	0.32	681.7	1.49	0.20	271.0	1.24	0.44	
WTZ9M4	32.7	0.56	2.54	186.7	-0.15	2.32	1,029.3	0.16	0.62	633.7	0.47	0.79	246.7	0.07	2.24	
YAJLEZ	26.7	-0.04	0.28	218.9	0.90	0.45	1,072.6	0.72	1.20	663.9	1.12	0.43	250.8	0.27	0.39	
YMJMR2	23.1	-0.40	0.06	205.7	0.47	0.28	1,053.0	0.46	0.15	623.7	0.26	0.16	239.0	-0.30	0.19	
ZBNVHH	26.0	-0.11	0.31	190.0	-0.05		953.3	-0.83	1.20	566.7	-0.95	0.68	223.3	-1.06	1.76	

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	27.1			191.4			1,017.4			611.4			245.2			
Median Abs Dev	4.1			17.9			48.9			26.6			9.9			
Avg Within Lab SD	3.2			8.6			33.7			22.4			8.7			
Labs Included	43			45			44			43			45			
Labs Reporting	45			46			46			46			46			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups															Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
38KLNK	12.9	-0.09	0.10	11.2	-0.10	0.40	14.7	0.01	0.25	12.5	-0.01	0.09	16.4	0.02	0.31		
7TM4ZN	6.8	-1.36	0.24	6.3	-1.02	0.35	13.5	-0.25	0.46	11.9	-0.16	0.62	14.0	-0.50	0.12		
7VADEV	16.4	0.64	0.20	13.8	0.38	0.43	16.9	0.49	0.27	13.4	0.23	0.47	19.3	0.66	0.02		
84XV4N	21.5	1.68	0.81	16.9	0.95	1.62	20.7	1.32	2.75	16.1	0.93	1.82	20.7	0.96	1.51		
8T66RW	14.0	0.14	1.83	14.3	0.48	1.86	13.0	-0.36	0.69	14.3	0.48	1.65	16.7	0.07	1.00		
9EFP3N	17.7	0.90	0.71	14.0	0.42	1.22	17.3	0.58	0.40	13.3	0.22	0.46	17.7	0.29	1.00		
A2BQTW	10.7	-0.55		0.7	-2.06	1.04	2.4	-2.69	1.33				2.8	-2.97	0.60		
A76LRH	16.8	0.73	1.09	12.4	0.12	2.39	19.0	0.94	1.06	15.3	0.71	0.23	19.4	0.67	1.29		
AJ99HR	13.2	-0.02	0.15	11.9	0.03	0.42	15.3	0.13	0.32	12.9	0.10	0.09	18.2	0.41	0.32		
AQB6JC	18.0	0.97		21.0	1.72	1.22	22.7	1.75	0.40	16.3	0.99	0.46	25.3	1.98	3.84		
AR2G3H	12.8	-0.11	0.18	14.9	0.58	0.37	13.0	-0.36	0.17	9.3	-0.83	0.21	14.2	-0.47	0.17		
AZBTC9	14.3	0.19	0.30	10.8	-0.18	1.57	14.3	-0.07	0.42	12.4	-0.02	0.66	15.7	-0.13	0.16		
B3WWLR	34.0	4.28	0.52	33.3	4.00	0.38	8,208.7	791.00X	28.69	32.4	5.15	0.34	40.3	5.28X	0.18		
BDXF3L	23.0	2.00		16.0	0.79		21.0	1.38		13.0	0.13		16.0	-0.07			
BEQDBT	72.2	12.18X	1.17	57.1	8.43X	1.51	119.0	22.79X	0.46	88.3	19.64X	0.64	71.6	12.16X	0.92		
C4MDGL	19.2	1.21	0.40	16.6	0.89	0.49	19.8	1.12	0.12	15.7	0.84	0.33	22.8	1.43	0.15		
CBQEHF	11.4	-0.40	0.19	8.8	-0.54	1.17	11.3	-0.74	0.49	9.8	-0.71	1.35	14.7	-0.36	0.63		
D8M7NP	15.7	0.48	0.93	14.3	0.48	0.70	18.0	0.73	1.38	13.3	0.22	1.21	20.0	0.81	1.31		
DL28KF	12.8	-0.11	0.35	12.0	0.04	0.37	15.5	0.18	0.10	13.8	0.33	0.24	18.4	0.45	0.17		
E72W78	7.9	-1.12	0.28	5.8	-1.11	0.67	12.6	-0.44	0.28	9.0	-0.92	0.30	12.0	-0.96	0.46		
ELGX3X	12.2	-0.24	0.11	10.4	-0.24	0.02	14.0	-0.16	0.15	12.3	-0.05	0.31	16.3	-0.01	0.28		
EWWM24	14.0	0.13	0.94	11.0	-0.14	0.42	15.0	0.07	0.12	12.5	0.00	0.34	17.8	0.32	0.23		
EY6WWL	11.5	-0.38	2.43	6.9	-0.90	0.00	11.5	-0.69		6.9	-1.45	0.00	13.8	-0.56	0.00		
GDGCVM	13.3	0.00	0.71	11.0	-0.14	1.22	15.3	0.15	0.40	12.0	-0.13		16.3	0.00	0.76		
GH7WTB	13.3	-0.02	0.36	11.6	-0.03	0.61	14.7	0.02	0.34	12.1	-0.11	0.37	17.5	0.25	0.61		
HPK369	14.4	0.23	0.40	12.0	0.04	0.29	14.7	0.00	0.17	11.2	-0.34	0.53	16.0	-0.07	0.50		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
J4ZF4L	10.7	-0.55	0.75	7.8	-0.73	0.59	10.3	-0.96	1.36	11.1	-0.35	2.35	15.6	-0.17	0.74	
JR9NJG	8.2	-1.07	0.21	7.0	-0.88	0.23	11.1	-0.78	0.14	6.9	-1.46	0.45	13.6	-0.61	0.50	
KLXV4C	11.7	-0.34	0.86	11.3	-0.09	1.20	10.3	-0.96	0.42	11.6	-0.24	1.10	14.3	-0.45	0.54	
LHWBEJ	13.3	0.00	0.93	20.3	1.59	1.41	10.3	-0.95	0.80	13.7	0.30	0.46	25.0	1.91	1.31	
M7X23U	44.3	6.42X	3.93	39.3	5.12X	10.37	48.3	7.36X	10.91	37.7	6.52X	6.91	43.7	6.01X	4.16	
M8W3B7	16.0	0.55	3.18	10.0	-0.33	2.11	13.3	-0.29	1.05	12.7	0.04	1.65	16.3	0.00	2.11	
TH9FT9	21.4	1.68	0.37	15.3	0.66	0.07	22.9	1.79	0.96	16.4	1.00	0.82	25.1	1.94	1.04	
TULNP9	36.8	4.85X	0.73	32.6	3.88X	0.96	48.1	7.31X	1.04	40.9	7.37X	3.44	39.4	5.08X	0.83	
UPML67	16.5	0.66	0.40	13.6	0.34	0.79	20.2	1.21	0.12	15.4	0.74	0.53	24.5	1.79	1.04	
VELMNJ	10.8	-0.51	0.98	6.6	-0.95	0.11	11.5	-0.70	0.39	6.6	-1.53	0.45	12.7	-0.79	0.41	
VT3KRY	11.2	-0.44	0.16	14.6	0.53	0.55	12.2	-0.55	0.36	14.7	0.56	1.19	10.7	-1.25	0.24	
WTZ9M4	11.2	-0.43	0.09	8.5	-0.60	1.15	11.8	-0.63	0.52	8.7	-0.99	0.82	13.1	-0.70	0.47	
YAJLEZ	16.2	0.59	2.32	9.5	-0.42	1.26	18.0	0.73	3.84	17.8	1.36	3.13	15.7	-0.13	0.60	
YMJMR2	11.3	-0.42	0.17	8.3	-0.65	0.49	12.6	-0.46	0.10	8.3	-1.10	0.12	15.3	-0.22	0.58	
ZBNVHH	15.3	0.41	0.93	14.3	0.48	0.70	16.0	0.29	0.69	11.7	-0.22	0.46	19.0	0.59	0.66	

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	13.3			11.8			14.7			12.5			16.3			
Median Abs Dev	2.2			2.7			2.7			1.4			2.1			
Avg Within Lab SD	1.6			0.8			1.5			1.3			1.5			
Labs Included	38			38			37			37			37			
Labs Reporting	41			41			41			40			41			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups													Data units: mg/kg					
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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			
TH9FT9	99.3		1.00	167.0		1.00	173.7		1.00	94.7		1.00	172.7		1.00			

Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups													Data units: mg/kg					
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
Grand Median	99.3			167.0			173.7			94.7			172.7					
Median Abs Dev																		
Avg Within Lab SD	0.6			2.0			4.0			0.6			2.5					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
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
QQF7K3	104.7		1.00	208.0		1.00	130.7		1.00	94.0		1.00	201.3		1.00

K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	104.7			208.0			130.7			94.0			201.3		
Median Abs Dev															
Avg Within Lab SD	9.3			8.7			8.1			7.0			4.9		
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K Modified Morgan (SubTestCode 147) in the Bases (1:10) Property Groups													Data units: mg/kg			
SRS2201				SRS2202				SRS2203			SRS2204			SRS2205		
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	
B7UHBA	92.5		1.00	195.5		1.00	256.3		1.00	113.3		1.00	173.7		1.00	

K Modified Morgan (SubTestCode 147) in the Bases (1:10) Property Groups													Data units: mg/kg			
SRS2201				SRS2202				SRS2203			SRS2204			SRS2205		
Grand Median	92.5			195.5			256.3			113.3			173.7			
Median Abs Dev																
Avg Within Lab SD	1.0			1.0			0.3			1.2			1.0			
Labs Included	1			1			1			1			1			
Labs Reporting	1			1			1			1			1			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca Modified Morgan (SubTestCode 148) in the Bases (1:10) Property Groups														Data units: mg/kg				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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			
B7UHBA	267.3		1.00	860.3		1.00	7,492.3		1.00	3,559.0		1.00	1,171.0		1.00			

Ca Modified Morgan (SubTestCode 148) in the Bases (1:10) Property Groups														Data units: mg/kg				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
Grand Median	267.3			860.3			7,492.3			3,559.0			1,171.0					
Median Abs Dev																		
Avg Within Lab SD	10.1			10.3			26.6			3.5			8.9					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7KBMVA	53.96	0.00	0.46	8.75	1.75	0.41	7.31	1.65	1.34	3.78	1.08	2.12	3.84	1.77	0.73	
CBQEHF	58.40	0.20	1.64	4.01	0.32	2.19	3.50	0.24	1.27	3.11	0.66	0.47	1.18	0.00	1.15	
F6MUXE	1.30	-2.40	0.00	0.15	-0.84	0.00	0.13	-1.02	0.00	0.04	-1.28	0.02	0.04	-0.76	0.00	
JJDV6W	48.06	-0.27	0.30	1.39	-0.46	0.12	1.60	-0.47	0.31	1.52	-0.35	0.09	0.69	-0.32	0.19	
QQF7K3	65.10	0.51	1.42	2.93	0.00	0.11	2.87	0.00	1.22	2.07	0.00	0.52	1.97	0.53	1.76	
Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	54.0			2.93			2.87			2.07			1.18			
Median Abs Dev	5.9			1.54			1.26			1.04			0.79			
Avg Within Lab SD	1.7			1.40			0.21			0.29			0.14			
Labs Included	5			5			5			5			5			
Labs Reporting	5			5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	23.6	-0.52	1.00	20.8	-0.68	1.97	5.8	2.91	2.15	25.2	0.09	1.84	41.0	-0.16	0.97	
EAP9AJ	31.5	0.39		25.5	0.33		2.7	0.00	0.31	24.2	-0.09	0.26	42.5	0.13	1.19	
JJDV6W	33.9	0.67	0.70	26.9	0.63	0.30	2.4	-0.21	0.38	26.2	0.27	1.16	47.2	1.06	0.40	
JY7K3D	24.7	-0.39	0.23	22.4	-0.33	0.41	2.7	0.08	0.11	22.6	-0.37	0.19	41.2	-0.13	0.53	
R6PEXC	20.5	-0.88	1.59	19.2	-1.03	0.40	2.5	-0.18	0.33	18.3	-1.15	0.27	40.1	-0.34	0.76	
TB94QK	38.3	1.18	0.95	28.7	1.04	0.83	25.8	21.72X	4.52	36.2	2.07	1.05	53.3	2.24	1.63	

Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	28.1			24.0			2.67			24.7			41.8			
Median Abs Dev	5.2			3.0			0.19			1.8			1.3			
Avg Within Lab SD	0.9			0.7			0.93			1.1			1.3			
Labs Included	6			6			5			6			6			
Labs Reporting	6			6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	73.9	-0.39	0.99	138.8	-0.46	1.35	57.1	-0.20	1.84	57.1	-0.86	0.32	135.4	-0.21	1.03	
EAP9AJ	90.2	1.13	0.21	172.5	1.16	0.26	75.3	1.12	1.22	67.8	0.47	0.53	144.2	0.52	0.10	
JJDV6W	89.0	1.02	1.78	168.8	0.99	0.79	62.7	0.20	0.30	74.7	1.32	2.13	166.0	2.31	0.44	
JY7K3D	82.3	0.39	0.10	157.7	0.45	0.24	51.8	-0.59	0.18	61.3	-0.33	0.18	135.1	-0.23	0.09	
R6PEXC	72.9	-0.49	1.00	137.3	-0.53	1.83	49.1	-0.79	0.75	58.0	-0.74	0.47	130.9	-0.58	2.01	
TB94QK	71.3	-0.63	0.88	139.0	-0.45	0.22	75.6	1.14	0.65	66.7	0.33	0.91	140.4	0.21	0.83	

Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	78.1			148.4			59.9			64.0			137.9			
Median Abs Dev	6.0			10.3			9.5			4.9			4.6			
Avg Within Lab SD	2.7			5.7			1.9			2.2			3.0			
Labs Included	6			6			6			6			6			
Labs Reporting	6			6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	331.0	-0.73	1.60	1,030.0	-0.69	2.09	4,374.3	-0.22	1.84	3,410.0	-0.84	2.14	1,297.7	-0.58	1.02	
EAP9AJ	363.2	0.85	0.33	1,230.3	2.13	0.19	4,795.5	0.33	0.77	3,846.0	0.21	0.79	1,374.8	0.11	0.22	
JJDV6W	357.0	0.55	1.65	1,083.8	0.07	0.04	4,708.2	0.22	1.01	3,903.5	0.35	0.44	1,466.0	0.92	0.63	
JY7K3D	331.8	-0.69	0.12	1,126.0	0.66	0.30	4,252.2	-0.38	0.37	3,672.4	-0.21	0.37	1,286.1	-0.68	0.79	
R6PEXC	334.7	-0.55	0.61	1,047.8	-0.44	1.19	3,846.3	-0.91	0.36	3,360.0	-0.96	0.39	1,350.2	-0.11	1.96	
TB94QK	359.7	0.68	0.47	1,074.3	-0.07	0.29	6,052.9	1.98	0.85	4,378.6	1.49	0.57	1,548.6	1.65	0.26	

Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	345.9			1,079.0			4,541.3			3,759.2			1,362.5			
Median Abs Dev	14.0			39.1			271.6			246.8			70.6			
Avg Within Lab SD	13.6			40.6			49.1			66.8			28.2			
Labs Included	6			6			6			6			6			
Labs Reporting	6			6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	27.2	0.26	2.36	177.5	-0.58	1.33	652.9	0.07	2.32	448.2	-0.42	0.10	231.0	-0.83	1.58	
EAP9AJ	26.7	-0.03	0.30	224.0	1.95	0.27	700.2	0.58	0.22	685.5	2.20	2.44	247.0	0.41	0.24	
JJDV6W	26.8	0.03	0.57	189.2	0.06	0.69	569.2	-0.82	0.30	452.6	-0.37	0.06	249.0	0.57	0.66	
JY7K3D	24.8	-1.00	0.02	208.4	1.10	0.34	639.4	-0.07	0.06	499.3	0.14	0.01	233.3	-0.65	0.21	
R6PEXC	25.3	-0.72	0.03	187.0	-0.06	1.88	588.5	-0.62	0.19	473.2	-0.14	0.10	236.4	-0.41	1.71	
TB94QK	30.6	2.02	0.09	182.8	-0.29	0.20	821.5	1.88	0.68	555.7	0.77	0.04	256.7	1.17	0.24	

Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	26.7			188.1			646.1			486.2			241.7			
Median Abs Dev	0.9			8.0			55.8			35.8			7.8			
Avg Within Lab SD	2.6			6.8			14.2			119.6			5.4			
Labs Included	6			6			6			6			6			
Labs Reporting	6			6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6YJ2J2	29.5	-0.95	0.15	10.7	-0.79	0.52	1.5	0.30	2.06	14.6	-0.40	1.71	72.7	-0.69	1.40	
EAP9AJ	36.7	0.76	0.31	21.5	1.57		2.3	1.64	0.80	15.7	-0.12	0.98	84.2	0.08	1.03	
JJDV6W	32.9	-0.14	1.92	14.6	0.06	0.24	1.3	0.00	0.08	16.6	0.12	0.77	101.1	1.22	0.77	
JY7K3D	34.1	0.14	0.04	14.0	-0.06	0.67	0.9	-0.75	0.08	18.5	0.62	0.30	81.9	-0.08	0.38	
R6PEXC	28.9	-1.08	1.10	10.4	-0.85	1.47	0.9	-0.68	0.34	13.1	-0.81	1.17	66.4	-1.12	0.84	
TB94QK	37.6	0.98	0.99	17.6	0.72	1.43	5.7	7.15X	1.30	23.6	1.98	0.23	95.8	0.86	1.24	

Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg	
	SRS2201		SRS2202		SRS2203		SRS2204		SRS2205		
Grand Median	33.5		14.3		1.32		16.1		83.0		
Median Abs Dev	3.6		3.5		0.42		1.9		11.6		
Avg Within Lab SD	0.9		0.7		0.36		0.3		3.9		
Labs Included	6		6		5		6		6		
Labs Reporting	6		6		6		6		6		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
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
6YJ2J2	1.00	-0.50	0.09	1.70	-0.66	0.84	0.08	0.03		1.45	-0.10	1.90	5.79	-0.96	0.98
EAP9AJ	1.50	0.76		2.50	1.64					1.50	0.10		6.17	-0.15	1.53
JJDV6W	1.30	0.25	0.28	2.16	0.64	0.55				1.58	0.40	0.77	6.98	1.65	0.67
JY7K3D	1.10	-0.25	0.04	1.91	-0.06	0.47	0.00	0.04		1.36	-0.46	0.24	6.30	0.15	0.35
R6PEXC	0.70	-1.28	2.18	1.59	-0.98	1.40	0.03	0.20		1.19	-1.14	0.82	5.80	-0.94	0.72
TB94QK	1.59	1.00	0.37	1.95	0.06	1.34	0.31	1.99		1.94	1.84	0.23	6.33	0.20	1.26

Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	1.20			1.93			0.056			1.47			6.23		
Median Abs Dev	0.25			0.23						0.11			0.26		
Avg Within Lab SD	0.24			0.08			0.029			0.08			0.19		
Labs Included	6			6			4			6			6		
Labs Reporting	6			6			4			6			6		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups													Data units: g/cm3		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6DERVP	1.17	0.89	0.67	1.14	0.80	1.21	1.27	0.40	0.59	1.26	0.35	1.93	1.22	0.30	1.45
C4MDGL	1.01	0.07	0.27	0.98	0.00	0.21	1.13	-0.25	0.06	1.18	0.00	0.33	1.20	0.22	0.28
D8M7NP	0.96	-0.18	2.60	0.92	-0.29	0.84	1.19	0.00	1.12	1.15	-0.13	1.74	1.11	-0.18	1.27
EAP9AJ	2.50	7.61X		2.50	7.45X		2.50	5.92X		2.50	5.84X		2.50	6.11X	
EWWM24	1.77	3.92	0.00	1.67	3.39	0.40	2.13	4.25	1.02	2.01	3.67	0.00	1.97	3.72	0.67
JEJRHJ	1.02	0.15	1.02	1.04	0.31	1.84	1.27	0.38	1.02	1.27	0.39	0.00	1.25	0.45	0.58
L3ZY39	0.81	-0.92	0.24	0.76	-1.05	1.46	1.01	-0.78	1.47	0.97	-0.96	0.93	0.95	-0.89	1.23
TB94QK	1.02	0.16	0.53	1.04	0.30	0.65	1.19	0.03	0.76	1.23	0.22	0.65	1.27	0.56	0.54
TF7K6Y	0.93	-0.32	0.00	0.90	-0.36	0.23	1.05	-0.61	0.00	1.03	-0.66	0.56	1.07	-0.36	0.00
V7PNDX	0.91	-0.44	0.39	0.90	-0.38	0.40	1.07	-0.52	1.02	1.06	-0.56	0.56	1.06	-0.42	0.33
WTZ9M4	0.99	0.00	0.97	1.00	0.10	1.29	1.20	0.08	1.55	1.20	0.07	1.11	1.15	0.00	1.73
WWFHYL	0.92	-0.37	1.13	0.89	-0.45	0.90	1.16	-0.12	1.07	1.08	-0.43	0.99	1.08	-0.31	1.23

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups					Data units: g/cm3
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205
Grand Median	0.99	0.98	1.19	1.18	1.15
Median Abs Dev	0.06	0.07	0.08	0.09	0.08
Avg Within Lab SD	0.03	0.02	0.01	0.01	0.02
Labs Included	11	11	11	11	11
Labs Reporting	12	12	12	12	12



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
AZBTC9	86.0	0.65	1.73	49.3	0.47	1.28	14.3	0.00	1.24	10.0	0.00		35.0	-0.10	1.03
C4MDGL	96.8	1.64	0.82	59.8	2.12	0.40	12.5	-1.50	1.40	19.3	2.72	1.50	41.3	1.74	0.27
CKTJNA	72.9	-0.56	0.52	45.4	-0.14	0.94	14.8	0.35	0.35	9.3	-0.21	0.30	33.7	-0.47	0.54
F6PGC8	73.3	-0.52	0.28	42.3	-0.63	1.39	14.2	-0.14	0.62	9.2	-0.24	0.57	35.3	0.00	0.60
LHWBEJ	79.0	0.00		46.3	0.00	0.64	16.0	1.39		10.7	0.19	1.15	39.0	1.07	1.79

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	79.0			46.3			14.3			10.00			35.3		
Median Abs Dev	6.1			3.0			0.4			0.73			1.6		
Avg Within Lab SD	2.1			0.9			0.5			0.50			1.0		
Labs Included	5			5			5			5			5		
Labs Reporting	5			5			5			5			5		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	99.5	0.80	0.30	63.2	0.76	0.33	15.8	0.16	0.30	26.4	2.06	0.15	42.6	0.68	0.51	
38KLN	95.5	0.47	0.11	57.6	-0.04	0.88	13.7	-0.75	0.24	17.8	-0.69	0.28	36.0	-0.60	0.37	
4QR9RB	84.0	-0.51	0.33	48.7	-1.30	0.60	14.7	-0.32	0.32	20.0	0.01		34.0	-0.98	0.41	
6DERVP	98.8	0.75	2.24	68.4	1.50	0.06	19.1	1.60	0.09	22.8	0.92	0.50	44.0	0.96	0.83	
6YJ2J2	79.8	-0.86	0.48	50.0	-1.11	0.45	15.4	0.00	0.94	16.1	-1.24	0.69	37.1	-0.38	0.48	
7KBMVA	76.8	-1.12	0.71	54.3	-0.50	0.08	8.5	-3.00	0.11	16.6	-1.08	0.43	31.3	-1.51	0.04	
7L9XPQ	89.3	-0.06	0.51	58.0	0.02	1.04	15.7	0.11	0.32	20.7	0.23	0.35	41.7	0.50	0.48	
84ZKA7	84.2	-0.49	0.05	55.5	-0.33	0.10	14.8	-0.28	0.13	18.8	-0.37	0.06	37.0	-0.41	0.16	
8L3X9N	86.6	-0.29	0.00	59.9	0.29	0.00	15.9	0.21	0.00	19.1	-0.26	0.00	40.0	0.18	0.00	
AZBTC9	99.7	0.82	1.01	59.5	0.23	0.20	16.7	0.54	0.33	21.3	0.44	0.91	39.0	-0.01	0.41	
BDXF3L	67.0	-1.95		43.0	-2.10		16.0	0.26		19.0	-0.31		33.0	-1.18		
C3RYLF	81.7	-0.70	1.35	52.8	-0.71	0.49	14.5	-0.39	0.48	18.4	-0.50	0.42	32.6	-1.25	0.70	
C4MDGL	110.0	1.69	0.66	68.0	1.43	0.16	14.3	-0.49	0.41	21.9	0.63	0.51	41.4	0.45	1.05	
CBQEHF	100.4	0.88	0.89	62.0	0.58	0.76	14.7	-0.29	0.75	21.4	0.47	0.19	42.9	0.73	1.04	
CKTJNA	72.7	-1.47	1.79	45.4	-1.75	0.88	14.3	-0.46	0.40	16.4	-1.12	0.66	29.4	-1.88	0.67	
D8M7NP	79.6	-0.88	3.32	56.8	-0.14	4.92	16.0	0.26	5.49	18.0	-0.61	5.39	27.5	-2.24	4.86	
DL28KF	89.1	-0.07	0.20	57.8	0.00	0.29	14.1	-0.54	0.16	19.7	-0.09	0.52	38.8	-0.06	0.18	
EAP9AJ	59.1	-2.62X	0.92	47.5	-1.46	0.20	13.7	-0.75	0.32	15.8	-1.32	0.35	38.3	-0.14	1.06	
ELGX3X	85.3	-0.40	0.24	58.4	0.09	0.23	13.9	-0.65	0.24	20.0	0.00	0.22	35.6	-0.67	0.12	
ENMKF3	91.6	0.14	0.00	56.3	-0.22	0.00	16.7	0.56	0.00	20.7	0.24	0.00	40.2	0.22	0.00	
EWWM24	93.9	0.33	0.27	61.6	0.54	0.33	16.5	0.47	0.22	22.9	0.94	0.42	41.2	0.41	0.62	
EY6WWL	92.5	0.21	1.85	60.5	0.38	1.57	14.7	-0.32	1.40	19.3	-0.20	0.76	41.8	0.54	0.83	
F6MUXE	102.9	1.09	0.48	82.8	3.53X	0.26	53.2	16.38X	0.89	55.4	11.29X	0.89	68.3	5.67X	1.23	
F8V6RW	92.9	0.24	1.24	56.0	-0.26	0.28	10.0	-2.33	0.66	17.8	-0.68	0.83	32.7	-1.23	1.03	
GH7WTB	95.3	0.45	0.10	59.5	0.24	0.33	16.9	0.65	0.04	20.9	0.29	0.07	42.4	0.65	0.05	
JEJRHJ	85.1	-0.41	0.55	54.7	-0.45	0.90	15.6	0.07	0.28	18.9	-0.35	0.55	37.6	-0.29	0.26	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
JY7K3D	93.9	0.33	0.20	62.9	0.72	0.17	17.0	0.70	0.31	23.2	1.04	0.47	42.8	0.73	0.26	
L3ZY39	172.9	7.03X	0.47	103.2	6.42X	0.73	25.1	4.22X	0.73	35.0	4.78X	1.01	72.0	6.38X	1.03	
LYGYPD	90.0	0.00	0.95	55.0	-0.40	0.18	17.3	0.81	0.14	20.1	0.06	0.33	38.4	-0.12	0.13	
M2ZFDC	102.2	1.03	0.05	68.8	1.55	0.07	18.4	1.30	0.05	25.5	1.76	0.03	44.5	1.05	0.03	
MC2YV7	100.3	0.87	0.31	60.3	0.35	0.63	8.9	-2.80	0.06	16.1	-1.24	0.82	28.3	-2.09	0.46	
R6PEXC	73.2	-1.42	0.74	52.5	-0.75	0.25	14.7	-0.31	0.19	16.2	-1.18	0.27	40.6	0.29	0.45	
TF7K6Y	86.3	-0.31	0.51	56.7	-0.16	0.45	16.0	0.26		19.7	-0.09	0.35	40.0	0.18	0.41	
TH9FT9	103.7	1.16	0.69	58.9	0.16	0.73	17.2	0.77	0.49	23.0	0.98	0.83	43.1	0.79	0.58	
UPML67	97.9	0.67	0.24	64.6	0.96	0.60	18.2	1.22	0.11	27.3	2.34	0.26	45.5	1.24	0.41	
V7PNDX	87.6	-0.20	0.34	57.2	-0.09	0.10	15.1	-0.12	0.17	18.4	-0.50	0.07	38.6	-0.09	0.24	
VELMNJ	79.6	-0.88	0.11	57.6	-0.03	0.23	16.0	0.28	0.10	20.9	0.30	0.27	40.4	0.26	0.24	
VJDRGN	85.1	-0.42	0.23	53.0	-0.68	1.70	15.2	-0.09	0.15	20.4	0.14	0.23	38.2	-0.18	0.19	
WTZ9M4	84.6	-0.46	1.80	62.1	0.61	0.39	15.2	-0.10	0.70	21.5	0.49	0.64	42.0	0.56	1.56	
WWFHYL	96.3	0.54	1.08	67.1	1.32	0.37	13.9	-0.65	0.05	19.4	-0.18	0.12	39.1	0.00	0.34	
XGZU84	101.0	0.93	0.88	72.7	2.10	0.99	18.7	1.41	0.84	23.0	0.97	0.60	42.0	0.57	1.43	

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	90.0			57.8			15.4			20.0			39.1			
Median Abs Dev	6.3			3.5			1.1			1.6			2.9			
Avg Within Lab SD	3.0			2.5			1.8			1.7			2.4			
Labs Included	39			39			39			39			39			
Labs Reporting	41			41			41			41			41			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	86.5	-0.45	0.22	160.4	-0.67	0.08	270.9	-0.61	0.28	113.1	-0.80	0.18	174.2	-0.89	0.22	
38KLN	91.5	-0.17	0.18	172.3	-0.37	0.15	282.5	-0.29	0.57	122.6	-0.10	0.26	181.9	-0.41	0.81	
4QR9RB	74.3	-1.15	0.18	147.3	-1.01	0.44	257.7	-0.98	0.41	106.3	-1.29	0.49	158.7	-1.85	0.61	
6DERVP	122.0	1.57	1.65	255.1	1.75	2.93	396.4	2.85	2.55	154.4	2.25	2.98	218.1	1.83	2.25	
6YJ2J2	112.0	1.00	0.25	202.8	0.41	0.19	313.5	0.56	0.24	135.5	0.86	0.33	195.6	0.43	0.29	
7KBMVA	121.0	1.52	0.15	229.8	1.10	0.18	342.8	1.37	0.90	147.1	1.71	0.59	203.9	0.95	0.48	
7L9XPQ	105.3	0.62	0.55	228.3	1.07	0.71	323.0	0.82	0.88	141.0	1.26	0.85	225.7	2.30	1.61	
84ZKA7	83.6	-0.62	0.19	174.3	-0.32	0.30	277.3	-0.43	0.39	123.0	-0.07	0.34	176.0	-0.78	0.64	
8L3X9N	81.9	-0.72	0.00	159.0	-0.71	0.00	276.4	-0.46	0.00	111.5	-0.91	0.00	179.5	-0.56	0.00	
AZBTC9	97.0	0.15	0.56	176.7	-0.26	1.66	303.3	0.28	1.40	127.0	0.23	1.40	183.7	-0.30	1.34	
BDXF3L	86.0	-0.48		160.0	-0.68		360.0	1.85		146.0	1.63		180.0	-0.53		
C3RYLF	90.5	-0.22	0.44	153.7	-0.84	0.93	255.8	-1.03	1.20	104.8	-1.41	0.51	157.9	-1.90	0.57	
C4MDGL	100.7	0.36	0.16	193.5	0.17	0.05	316.4	0.64	0.18	137.4	0.99	0.32	195.8	0.45	0.11	
CKTJNA	85.2	-0.53	0.78	167.7	-0.49	1.59	293.1	0.00	2.67	121.2	-0.20	1.31	167.8	-1.29	0.93	
D8M7NP	114.1	1.12	0.26	246.4	1.53	0.08	333.3	1.11	0.74	111.3	-0.93	2.47	188.6	0.00	0.52	
DL28KF	89.2	-0.30	0.09	183.5	-0.08	0.04	290.1	-0.08	0.56	120.5	-0.25	0.29	186.4	-0.13	0.60	
EAP9AJ	117.3	1.31	2.00	241.0	1.39	2.98	340.7	1.31	0.64	130.7	0.50	2.17	199.3	0.67	2.67	
ELGX3X	86.3	-0.47	0.04	178.1	-0.22	0.40	278.4	-0.41	0.95	115.8	-0.60	0.13	176.6	-0.74	0.90	
ENMKF3	85.6	-0.50	0.00	173.9	-0.33	0.00	291.3	-0.05	0.00	123.9	0.00	0.00	194.3	0.36	0.00	
EWWM24	88.0	-0.37	0.22	175.4	-0.29	0.29	293.0	0.00	0.26	124.0	0.00	0.25	186.7	-0.12	0.45	
EY6WWL	92.2	-0.13	1.17	189.5	0.07	1.06	321.8	0.79	1.14	125.0	0.08	0.45	192.3	0.23	1.33	
F6MUXE	111.2	0.96	0.36	236.7	1.28	0.94	305.7	0.35	1.17	125.1	0.09	0.42	200.7	0.75	0.59	
F6PGC8	84.0	-0.59	0.31	167.3	-0.49	0.60	274.7	-0.51	0.82	116.7	-0.53	0.81	188.7	0.01	0.98	
F8V6RW	101.2	0.38	0.18	234.6	1.23	0.12	312.0	0.52	0.10	121.3	-0.19	0.87	193.2	0.28	2.35	
GH7WTB	86.9	-0.43	0.07	177.5	-0.24	0.84	289.1	-0.11	0.09	121.0	-0.21	0.21	190.4	0.11	0.21	
JEJRHJ	77.5	-0.96	1.06	155.2	-0.81	1.97	380.3	2.41	0.96	153.2	2.16	2.25	176.4	-0.75	1.26	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
JY7K3D	94.4	0.00	0.27	195.7	0.23	0.30	260.8	-0.89	0.37	113.6	-0.76	0.25	179.2	-0.58	0.64
L3ZY39	197.9	5.90X	0.98	341.3	3.96X	1.87	603.8	8.57X	4.73	240.1	8.56X	0.93	370.5	11.28X	0.61
LYGYPD	86.8	-0.44	0.60	162.7	-0.61	1.03	307.3	0.39	0.88	113.7	-0.75	1.66	173.3	-0.94	1.22
M2ZFDC	125.7	1.78	0.11	226.7	1.03	0.19	283.1	-0.27	0.10	126.2	0.17	0.07	200.0	0.71	0.61
MC2YV7	86.8	-0.43	0.31	170.5	-0.41	0.89	266.5	-0.73	0.31	109.8	-1.04	0.36	169.3	-1.19	0.44
R6PEXC	107.7	0.76	0.82	203.2	0.42	0.62	281.2	-0.33	1.78	127.1	0.23	1.21	204.1	0.96	0.83
TF7K6Y	89.3	-0.29	0.24	186.7	0.00	0.58	281.3	-0.32	0.08	119.3	-0.34	0.22	192.7	0.25	0.52
TH9FT9	100.2	0.33	0.52	173.0	-0.35	0.50	263.0	-0.83	0.62	122.0	-0.14	0.19	186.7	-0.12	0.24
V7PNDX	103.8	0.54	0.14	218.0	0.80	0.13	300.4	0.20	0.90	132.9	0.67	0.10	198.7	0.63	0.50
VELMNJ	105.4	0.62	0.19	232.1	1.16	0.46	302.3	0.25	0.38	126.8	0.21	0.16	199.8	0.70	0.10
VJDRGN	112.1	1.01	0.78	215.4	0.74	1.18	304.3	0.31	1.54	126.0	0.16	0.84	193.8	0.32	0.70
WTZ9M4	128.3	1.93	4.94	235.3	1.25	1.23	316.7	0.65	1.97	136.0	0.89	0.19	193.7	0.32	1.36
WWFHYL	98.1	0.21	0.05	214.3	0.71	0.22	281.3	-0.32	0.08	117.0	-0.51	0.19	183.3	-0.32	0.65
XGZU84	110.0	0.89	0.31	218.0	0.80	0.38	328.3	0.97	0.47	140.0	1.19	0.51	179.0	-0.59	0.16

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	94.4			186.7			293.1			123.9			188.6		
Median Abs Dev	9.2			26.3			18.4			7.2			9.4		
Avg Within Lab SD	6.4			7.0			7.4			5.1			6.2		
Labs Included	39			39			39			39			39		
Labs Reporting	40			40			40			40			40		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	312.7	-0.49	0.22	859.1	-0.68	0.04	4,573.0	-2.70	0.11	3,901.3	-1.70	0.10	1,337.3	-0.56	0.24	
38KLN	318.2	-0.37	0.16	921.4	-0.29	0.45	7,801.0	0.70	0.67	4,552.8	-0.02	1.25	1,379.1	-0.28	0.13	
4QR9RB	301.0	-0.76	0.96	848.0	-0.75	0.36	6,547.7	-0.62	1.37	4,085.3	-1.23	0.25	1,242.3	-1.19	0.30	
6DERVP	390.1	1.28	0.43	1,362.5	2.48	1.15	8,940.3	1.90	1.39	5,881.1	3.41X	0.24	1,730.2	2.04	1.57	
6YJ2J2	388.0	1.24	0.05	1,052.3	0.53	0.06	7,412.7	0.29	0.02	4,838.0	0.72	0.01	1,524.0	0.68	0.11	
7KBMVA	343.2	0.21	0.59	1,136.9	1.07	0.31	7,942.9	0.85	0.15	4,586.6	0.07	0.60	1,421.6	0.00	0.64	
7L9XPQ	364.3	0.69	0.40	1,162.7	1.23	0.54	7,798.3	0.70	1.20	4,953.0	1.01	0.84	1,703.7	1.87	0.80	
84ZKA7	307.0	-0.62	0.15	969.7	0.02	0.04	6,973.0	-0.17	0.31	4,696.7	0.35	0.13	1,338.3	-0.55	0.19	
AZBTC9	380.0	1.05	1.42	944.7	-0.14	2.10	6,465.7	-0.71	1.91	4,673.0	0.29	2.11	1,479.0	0.38	0.88	
BDXF3L	255.0	-1.82		847.0	-0.75		7,980.0	0.89		4,822.0	0.68		1,234.0	-1.24		
C3RYLF	370.0	0.82	1.49	826.3	-0.88	1.54	6,000.0	-1.20	1.12	3,907.3	-1.69	0.93	1,236.7	-1.22	1.94	
CKTJNA	322.7	-0.26	1.36	925.1	-0.26	1.53	7,129.0	-0.01	1.57	4,721.8	0.42	1.36	1,303.4	-0.78	1.01	
D8M7NP	495.5	3.70X	1.18	1,569.6	3.78X	3.05	11,266.6	4.35X	2.35	5,832.9	3.29X	6.29	1,590.7	1.12	1.82	
DL28KF	338.1	0.09	0.14	932.0	-0.22	0.36	7,854.3	0.75	1.29	4,589.8	0.08	0.22	1,503.6	0.54	0.38	
EAP9AJ	375.3	0.94	1.73	1,218.0	1.58	3.04	8,896.5	1.85	0.11	4,483.8	-0.20	2.73	1,461.5	0.26	2.54	
ELGX3X	354.6	0.47	0.30	964.7	-0.02	0.42	7,766.8	0.66	0.78	4,240.7	-0.83	0.46	1,384.3	-0.25	0.82	
ENMKF3	333.6	-0.01	0.00	940.6	-0.17	0.00	7,102.2	-0.04	0.00	4,845.0	0.73		1,438.8	0.11	0.00	
EWWM24	335.8	0.04	0.21	934.3	-0.21	0.31	7,134.3	0.00	0.17	4,441.3	-0.31	0.90	1,342.0	-0.53	0.51	
EY6WWL	334.2	0.00	0.56	1,095.3	0.80	2.15	7,546.5	0.43	1.43	4,944.0	0.99	0.09	1,568.2	0.97	0.49	
F6MUXE	363.4	0.67	0.39	1,233.1	1.67	0.87	7,839.3	0.74	0.34	4,999.0	1.13	0.35	1,570.5	0.99	0.42	
F6PGC8	320.3	-0.32	0.22	931.3	-0.23	0.63	7,377.7	0.25	0.24	4,560.7	0.00	0.19	1,410.7	-0.07	0.12	
F8V6RW	277.6	-1.30	1.20	1,148.0	1.14	0.28	6,919.3	-0.23	0.44	4,826.7	0.69	1.33	1,429.8	0.05	1.81	
GH7WTB	288.3	-1.05	0.25	896.8	-0.44	0.71	6,964.4	-0.18	0.40	4,365.2	-0.50	0.29	1,356.0	-0.43	0.04	
JEJRHJ	381.4	1.08	1.13	930.1	-0.23	0.57	6,567.9	-0.60	1.59	4,407.2	-0.40	2.50	1,433.0	0.08	0.43	
JY7K3D	302.6	-0.72	0.54	957.4	-0.06	0.34	5,753.8	-1.46	1.01	4,110.6	-1.16	0.24	1,243.6	-1.18	0.37	
L3ZY39	636.7	6.94X	0.75	1,931.7	6.06X	3.54	14,288.3	7.53X	1.00	9,557.9	12.91X	2.27	3,060.7	10.85X	1.97	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
LYGYPD	341.0	0.16	0.55	906.3	-0.38	0.35	7,141.3	0.00	2.05	4,199.3	-0.93	1.45	1,374.3	-0.31	0.52
M2ZFDC	322.4	-0.27	0.10	1,105.1	0.87	0.24	7,343.7	0.22	0.14	4,616.7	0.14	0.12	1,441.4	0.13	0.60
MC2YV7	334.2	0.00	0.62	908.3	-0.37	0.88	7,049.8	-0.09	2.39	4,261.7	-0.77	0.43	1,296.2	-0.83	0.37
R6PEXC	374.7	0.93	0.43	1,126.5	1.00	0.32	7,261.7	0.13	0.44	4,779.8	0.57	0.41	1,687.5	1.76	1.29
TF7K6Y	301.7	-0.75	0.05	984.3	0.11	0.15	6,939.7	-0.21	1.15	4,421.0	-0.36	0.13	1,436.3	0.10	0.20
TH9FT9	363.7	0.68	0.15	960.0	-0.05	0.24	6,651.3	-0.51	0.48	4,354.0	-0.53	0.87	1,335.7	-0.57	0.89
V7PNDX	306.1	-0.64	0.06	1,064.6	0.61	0.05	6,498.5	-0.67	0.72	4,362.1	-0.51	0.26	1,398.7	-0.15	0.18
VELMNJ	328.8	-0.12	0.04	1,174.1	1.30	0.25	8,414.9	1.34	0.56	4,668.4	0.28	0.05	1,464.5	0.28	0.11
VJDRGN	301.3	-0.75	0.06	1,035.0	0.43	0.48	6,348.3	-0.83	0.68	4,163.3	-1.03	0.45	1,328.0	-0.62	0.13
WTZ9M4	424.3	2.07	4.40	1,211.3	1.53	2.41	8,066.0	0.98	0.60	5,057.7	1.28	1.48	1,618.0	1.30	2.85
WWFHYL	305.0	-0.67	0.14	1,052.3	0.53	0.19	6,199.3	-0.99	0.16	4,146.7	-1.07	0.32	1,318.0	-0.69	0.38
XGZU84	374.7	0.93	0.39	1,167.3	1.26	0.37	7,495.0	0.38	0.20	4,923.0	0.94	0.67	1,549.0	0.84	0.40

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	334.2			967.2			7,137.8			4,560.7			1,421.6		
Median Abs Dev	29.4			85.2			609.5			261.3			84.2		
Avg Within Lab SD	24.7			34.8			153.9			140.0			52.8		
Labs Included	36			36			36			35			37		
Labs Reporting	38			38			38			38			38		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	37.1	0.78	0.14	176.4	-0.54	0.56	1,016.7	-0.91	0.33	612.3	-0.63	0.19	261.6	-0.19	0.13	
38KLN	35.6	0.56	0.19	175.1	-0.58	0.24	1,095.2	-0.24	0.52	643.9	-0.08	0.23	251.8	-0.57	0.49	
4QR9RB	30.0	-0.24	0.46	152.7	-1.19	0.98	1,009.0	-0.98	0.34	559.7	-1.55	0.38	218.3	-1.89	0.16	
6DERVP	32.5	0.12	0.56	253.4	1.58	0.21	1,351.2	1.96	2.31	738.3	1.57	1.28	307.6	1.62	2.06	
6YJ2J2	32.2	0.07	0.58	195.9	0.00	0.31	1,201.0	0.67	0.15	696.3	0.84	0.06	268.1	0.07	0.26	
7KBMVA	31.1	-0.09	0.83	258.4	1.72	0.09	1,287.4	1.41	0.20	720.2	1.25	0.54	309.8	1.71	0.71	
7L9XPQ	30.7	-0.15	0.95	216.0	0.55	0.40	1,221.3	0.85	1.03	697.3	0.86	0.30	311.7	1.78	0.63	
84ZKA7	34.8	0.44	0.05	193.3	-0.07	0.57	1,068.7	-0.47	0.23	648.3	0.00	0.15	255.0	-0.45	0.28	
AZBTC9	37.7	0.85	0.26	177.0	-0.52	0.26	1,105.7	-0.15	1.91	666.3	0.31	1.29	266.0	-0.01	1.72	
BDXF3L	23.0	-1.24		160.0	-0.99		1,052.0	-0.61		632.0	-0.29		231.0	-1.39		
C3RYLF	45.7	2.00	3.89	156.7	-1.08	1.53	814.0	-2.66	0.35	484.3	-2.86	0.68	215.7	-1.99	1.77	
CKTJNA	37.5	0.84	1.79	181.0	-0.41	1.49	1,081.2	-0.36	1.12	625.6	-0.40	0.90	241.1	-0.99	1.08	
D8M7NP	31.7	0.00	0.46	271.6	2.08	2.47	1,376.7	2.18	1.50	677.8	0.51	4.02	268.3	0.08	1.59	
DL28KF	37.8	0.88	0.16	195.1	-0.02	0.87	1,156.3	0.29	0.16	648.4	0.00	0.32	271.5	0.20	0.35	
EAP9AJ	31.2	-0.08	2.30	238.7	1.17	3.26	1,267.8	1.25	0.25	662.7	0.25	2.25	278.7	0.48	2.63	
ELGX3X	40.4	1.25	0.46	195.0	-0.03	0.66	1,089.8	-0.29	0.05	621.6	-0.47	0.29	253.4	-0.51	0.67	
ENMKF3	35.0	0.47		184.3	-0.32	0.00	1,118.0	-0.04		646.0	-0.04		267.6	0.05	0.00	
EWWM24	35.1	0.49	0.02	181.3	-0.40	0.82	1,123.3	0.00	0.43	628.9	-0.34	0.04	257.0	-0.37	0.42	
EY6WWL	31.3	-0.05	0.58	211.2	0.42	1.54	1,291.5	1.45	0.86	715.8	1.18	0.23	292.7	1.03	0.39	
F6MUXE	29.0	-0.39	0.25	248.4	1.44	0.30	1,211.4	0.76	0.39	697.9	0.87	0.53	293.4	1.06	0.41	
F6PGC8	28.4	-0.48	0.48	175.7	-0.56	0.63	1,050.3	-0.63	0.43	648.0	-0.01	0.49	273.3	0.27	1.09	
F8V6RW	13.5	-2.60	0.65	238.4	1.17	0.46	1,113.1	-0.09	0.44	672.7	0.43	0.97	271.7	0.21	2.16	
GH7WTB	24.8	-0.99	0.11	176.9	-0.53	0.65	1,135.2	0.11	0.38	616.7	-0.55	0.26	253.2	-0.52	0.37	
JEJRHJ	30.6	-0.16	1.21	175.9	-0.55	1.30	1,123.0	0.00	1.48	678.6	0.53	1.92	264.8	-0.06	1.05	
JY7K3D	28.1	-0.51	1.17	197.4	0.04	0.44	1,015.6	-0.92	0.46	580.7	-1.18	0.15	238.1	-1.11	0.49	
L3ZY39	58.4	3.82X	1.13	346.3	4.14X	3.45	2,246.9	9.66X	2.75	1,210.7	9.82X	1.02	507.8	9.48X	1.74	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
LYGYPD	33.0	0.19	0.45	170.3	-0.71	0.57	1,131.0	0.07	2.77	570.3	-1.36	1.04	247.3	-0.75	0.51
M2ZFDC	32.8	0.16	0.40	235.4	1.09	0.16	1,146.2	0.20	0.17	660.3	0.21	0.13	282.6	0.64	0.57
MC2YV7	21.5	-1.46	0.46	181.3	-0.40	1.28	1,090.4	-0.28	0.39	611.8	-0.64	0.44	249.7	-0.65	0.45
R6PEXC	33.9	0.32	0.43	220.2	0.67	0.87	1,197.3	0.64	0.49	685.0	0.64	1.07	287.4	0.83	0.19
TF7K6Y	26.3	-0.77	0.26	196.0	0.00	0.40	1,102.3	-0.18	0.21	623.3	-0.44	0.38	262.0	-0.17	0.36
TH9FT9	43.0	1.62	1.21	208.3	0.34	0.68	1,138.3	0.13	1.48	655.3	0.12	0.29	285.7	0.76	0.94
V7PNDX	24.8	-0.99	0.07	215.0	0.52	0.11	1,044.7	-0.67	0.87	621.3	-0.47	0.29	266.4	0.00	0.27
VELMNJ	24.1	-1.08	0.05	227.6	0.87	0.46	1,162.1	0.34	0.80	701.9	0.94	0.23	278.5	0.48	0.77
VJDRGN	25.6	-0.88	0.55	206.0	0.28	0.69	1,039.0	-0.72	1.05	584.6	-1.11	0.21	245.8	-0.81	0.32
WTZ9M4	33.3	0.23	1.15	225.0	0.80	1.06	1,196.3	0.63	1.92	681.0	0.57	0.40	272.0	0.22	1.62
WWFHYL	22.5	-1.32	0.12	209.0	0.36	0.15	1,048.3	-0.64	0.14	603.0	-0.79	0.19	246.3	-0.79	0.26
XGZU84	33.3	0.23	0.70	230.3	0.95	0.46	1,261.7	1.19	0.35	687.0	0.68	0.18	273.0	0.26	0.10

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg				
	SRS2201		SRS2202		SRS2203		SRS2204		SRS2205	
Grand Median	31.7		196.0		1,123.0		648.3		266.4	
Median Abs Dev	3.4		20.0		72.7		31.6		13.1	
Avg Within Lab SD	2.2		6.6		24.4		24.8		9.6	
Labs Included	37		37		37		37		37	
Labs Reporting	38		38		38		38		38	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	16.2	0.38	0.25	14.3	0.85	0.14	17.6	0.24	0.06	14.0	0.17	0.29	20.7	0.44	0.21	
38KLN	14.4	0.05	0.12	10.8	-0.18	0.23	16.1	-0.03	0.24	13.5	0.04	0.24	19.0	0.18	0.54	
4QR9RB	14.3	0.04	0.34	13.0	0.46		14.7	-0.30	0.36	11.7	-0.36	0.43	16.0	-0.29		
6DERVP	22.8	1.54	1.13	17.9	1.90	0.11	20.2	0.73	0.19	18.4	1.13	0.30	25.3	1.17	0.09	
6YJ2J2	12.3	-0.33	0.47	9.5	-0.58	0.12	15.0	-0.24	0.08	10.9	-0.53	0.21	16.0	-0.29	0.96	
7KBMVA	13.9	-0.04	0.05	13.0	0.45	0.72	20.7	0.83	1.56	17.8	1.01	1.55	18.0	0.03	2.07	
7L9XPQ	10.6	-0.63	0.31	11.6	0.06	0.37	13.8	-0.46	0.22	9.6	-0.81	0.20	17.6	-0.04	0.34	
AZBTC9	13.6	-0.10	0.45	11.4	0.00	0.39	15.8	-0.09	0.36	11.0	-0.50	0.97	17.8	0.00	0.79	
BDXF3L	10.0	-0.74		11.0	-0.12		14.0	-0.43		14.0	0.16		12.0	-0.92		
C3RYLF	49.3	6.29X	1.82	12.3	0.27	1.10	13.3	-0.55	2.35	14.0	0.16	0.74	0.7	-2.70	0.18	
CKTJNA	15.8	0.30	1.16	12.6	0.33	0.60	16.5	0.03	0.86	13.7	0.09	0.94	17.3	-0.09	0.76	
D8M7NP	30.7	2.96	0.66	28.5	5.04X	1.18	39.9	4.40X	0.42	27.4	3.12X	0.90	33.5	2.47	0.72	
DL28KF	15.0	0.15	1.08	11.1	-0.10	0.40	17.4	0.21	0.31	16.3	0.66	0.34	21.3	0.54	0.38	
EAP9AJ	14.7	0.10	1.05	11.3	-0.03	0.55	17.3	0.19	0.65	12.7	-0.14	0.93	18.7	0.13	0.65	
ELGX3X	13.9	-0.04	0.01	11.2	-0.07	0.13	16.6	0.06	0.22	14.4	0.24	0.23	18.7	0.13	0.60	
ENMKF3	13.0	-0.20		10.8	-0.18	0.00	14.9	-0.26	0.00	10.9	-0.52	0.00	16.9	-0.15	0.00	
EWWM24	12.4	-0.31	0.54	11.8	0.10	0.27	14.5	-0.33	0.14	11.2	-0.47	0.35	17.2	-0.11	0.66	
F6MUXE	11.4	-0.48	0.17	10.4	-0.31	0.03	10.5	-1.08	0.17	10.5	-0.61	0.20	16.7	-0.19	0.02	
F8V6RW	44.6	5.45X	4.97	45.4	10.00X	4.99	34.8	3.44X	3.34	40.3	5.96X	11.10	49.1	4.92X	5.97	
GH7WTB	14.5	0.07	0.84	12.4	0.28	0.84	21.0	0.88	0.71	15.0	0.38	0.44	21.2	0.52	1.48	
JEJRHJ	15.8	0.31	0.56	12.7	0.38	0.44	22.7	1.20	0.64	19.1	1.28	0.75	21.2	0.53	1.07	
JY7K3D	19.3	0.93	2.40	15.3	1.14	2.22	18.5	0.41	1.66	16.8	0.77	1.58	19.1	0.19	0.27	
L3ZY39	30.8	2.97	3.57	14.9	1.02	3.88	27.5	2.09	3.80	17.0	0.81	2.96	26.4	1.34	2.90	
LYGYPD	13.4	-0.14	0.71	10.7	-0.22	1.16	17.2	0.17	0.59	10.5	-0.61	0.66	16.2	-0.25	1.02	
M2ZFDC	22.2	1.44	0.92	28.0	4.88X	0.91	29.7	2.50	0.51	36.0	5.01X	1.37	35.8	2.82	1.20	
R6PEXC	16.2	0.37	0.13	13.3	0.55	0.42	17.2	0.18	0.22	13.3	0.00	0.12	20.2	0.37	0.47	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
TF7K6Y	9.0	-0.92		7.0	-1.30		11.3	-0.93	0.36	10.0	-0.72	2.57	14.0	-0.61	
TH9FT9	21.3	1.29	0.55	17.3	1.74	0.49	23.3	1.30	0.60	19.2	1.30	0.56	23.4	0.88	0.72
V7PNDX	9.6	-0.81	0.27	7.3	-1.20	0.12	11.7	-0.86	0.23	8.9	-0.98	0.20	14.7	-0.50	0.28
VELMNJ	7.2	-1.23	0.13	5.3	-1.80	0.12	10.0	-1.18	0.10	5.9	-1.63	0.06	11.7	-0.97	0.06
VJDRGN	13.3	-0.16	0.39	9.7	-0.52	0.33	13.7	-0.49	0.62	10.3	-0.65	1.39	14.3	-0.56	0.46
WTZ9M4	12.6	-0.27	0.60	8.3	-0.93	1.28	11.9	-0.81	1.03	8.4	-1.08	0.93	14.4	-0.54	2.04
WWFHYL	6.7	-1.32	0.03	5.0	-1.90	0.01	9.1	-1.34	0.02	5.6	-1.70	0.05	10.9	-1.10	0.25
XGZU84	19.7	0.99	0.91	18.0	1.94	0.72	22.7	1.19	0.72	19.7	1.41	1.13	25.3	1.18	1.30

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

Data units: mg/kg

	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205
Grand Median	14.1	11.4	16.3	13.3	17.8
Median Abs Dev	2.0	1.5	2.5	2.8	3.2
Avg Within Lab SD	1.7	1.4	1.6	1.3	1.2
Labs Included	32	31	32	31	33
Labs Reporting	34	34	34	34	34



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	25.1	0.26	0.45	18.6	-0.19	0.18	8.6	-0.66	0.47	11.5	0.26	0.80	7.2	-1.53	0.41	
38KLN	21.5	-0.76	0.55	19.0	-0.09	0.33	11.1	0.16	0.09	11.3	0.18	0.65	10.0	-0.10	0.98	
4QR9RB	20.7	-0.98	0.66	16.3	-0.83	0.45	9.0	-0.52		10.0	-0.30		7.7	-1.29	1.02	
6DERVP	31.2	1.95	1.58	26.7	2.09	0.70	13.1	0.79	0.35	13.3	0.91	0.79	11.9	0.89	0.89	
6YJ2J2	22.3	-0.52	0.72	19.7	0.13	0.93	10.8	0.05	0.33	10.7	-0.05	0.78	11.8	0.83	1.57	
7KBMVA	21.3	-0.81	0.43	24.4	1.43	0.33	25.5	4.77	0.43	23.9	4.78	0.81	14.6	2.31	1.42	
7L9XPQ	24.7	0.13	1.32	23.0	1.05	0.77	11.5	0.27	0.53	11.9	0.40	0.20	12.4	1.15	0.98	
84ZKA7	22.0	-0.60	0.37	18.2	-0.29	0.29	8.3	-0.76	0.15	9.1	-0.62	0.11	9.1	-0.57	0.27	
AZBTC9	24.3	0.02	1.43	18.9	-0.10	0.28	9.6	-0.34	0.38	10.5	-0.13	1.37	10.3	0.07	0.91	
BDXF3L	18.0	-1.72		17.0	-0.64		13.0	0.76		15.0	1.53		11.0	0.44		
C3RYLF	19.7	-1.26	1.74	16.3	-0.83	0.45	9.3	-0.42	1.47	9.0	-0.67	1.97	7.3	-1.47	1.02	
CBQEHF	26.2	0.56	0.94	20.3	0.29	0.75	9.0	-0.52	0.78	10.3	-0.19	1.40	10.0	-0.06	1.11	
CKTJNA	23.7	-0.14	1.89	19.0	-0.06	0.83	12.2	0.51	0.66	12.5	0.60	1.00	10.1	-0.05	1.14	
D8M7NP	15.3	-2.48	0.66	17.6	-0.48	1.36	12.6	0.62	0.39	9.7	-0.42	1.63	8.6	-0.83	0.06	
DL28KF	25.1	0.25	0.46	20.1	0.22	0.30	11.4	0.23	0.19	10.8	0.01	0.68	10.8	0.31	1.04	
EAP9AJ	24.3	0.04	1.19	24.0	1.33	1.40	15.7	1.62	4.04	11.7	0.31	1.14	11.8	0.87	2.05	
ELGX3X	23.3	-0.25	0.91	19.0	-0.08	0.61	10.4	-0.07	0.26	10.5	-0.10	0.45	10.5	0.17	0.63	
ENMKF3	21.9	-0.64	0.00	17.0	-0.64		9.8	-0.28		9.3	-0.55	0.00	9.5	-0.34		
EWWM24	25.1	0.26	0.43	19.3	0.00	0.44	10.3	-0.12	0.13	11.2	0.14	1.42	9.4	-0.38	0.57	
F6MUXE	26.4	0.61	0.90	29.5	2.88	0.17	136.3	40.37X	2.36	97.2	31.63X	5.54	28.7	9.65X	0.72	
F8V6RW	29.9	1.59	2.26	32.7	3.77X	1.08	56.5	14.75X	1.15	45.9	12.84X	1.25	24.8	7.60X	4.27	
GH7WTB	24.1	-0.02	0.14	18.6	-0.20	0.24	11.0	0.11	0.32	10.8	-0.01	0.22	10.0	-0.07	0.58	
JEJRHJ	24.0	-0.04	0.92	19.1	-0.04	0.85	10.6	-0.02	0.53	11.8	0.37	0.80	10.5	0.16	0.89	
JY7K3D	24.7	0.13	0.64	20.5	0.34	0.36	10.2	-0.13	0.34	11.7	0.32	0.60	10.1	-0.02	0.29	
L3ZY39	47.5	6.50X	6.10	46.7	7.72X	2.67	92.2	26.22X	6.90	68.2	20.99X	8.78	27.9	9.22X	3.59	
LYGYPD	22.6	-0.45	0.65	18.8	-0.14	1.12	10.0	-0.20	1.36	10.5	-0.10	1.09	10.2	0.02	0.99	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M2ZFDC	28.3	1.14	0.30	25.0	1.62	0.11	10.7	0.02	0.06	14.1	1.19	0.04	10.8	0.32	0.08	
R6PEXC	24.1	-0.02	0.46	21.0	0.48	0.28	11.1	0.16	0.76	10.5	-0.10	0.95	10.7	0.27	0.30	
TF7K6Y	22.3	-0.52	0.66	19.0	-0.08		9.3	-0.42	0.56	10.0	-0.30		8.7	-0.77	1.02	
TH9FT9	24.4	0.06	0.82	20.3	0.30	0.66	11.5	0.28	0.25	12.0	0.43	0.13	8.5	-0.88	0.27	
V7PNDX	21.7	-0.70	0.12	18.9	-0.10	0.39	8.2	-0.80	0.15	8.1	-0.99	0.10	8.2	-1.01	0.19	
VJDRGN	31.3	1.97	0.95	24.1	1.36	0.94	0.7	-3.18	0.08	3.0	-2.86	1.07	11.3	0.57	1.91	
WTZ9M4	25.9	0.47	1.69	24.8	1.56	4.04	12.2	0.51	1.93	11.0	0.07	2.22	10.5	0.18	0.77	
WWFHYL	25.0	0.23	0.51	20.7	0.41	0.22	4.9	-1.84	0.32	5.9	-1.79	0.34	5.0	-2.69	0.52	
XGZU84	29.0	1.34	1.14	26.3	1.99	1.18	12.0	0.44	0.96	13.3	0.92	1.14	12.0	0.96	1.77	

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	24.2			19.3			10.6			10.8			10.2			
Median Abs Dev	1.9			1.2			1.3			0.9			1.0			
Avg Within Lab SD	0.9			1.3			1.0			0.5			0.6			
Labs Included	34			33			32			32			32			
Labs Reporting	35			35			35			35			35			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Al (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	1,531.7	0.64	0.38	1,145.0	0.56	0.50	632.6	1.17	0.67	670.6	1.31	0.33	565.8	2.00	0.62	
38KLN	1,381.4	-0.29	0.36	1,051.9	-0.06	0.57	536.7	-0.78	0.96	548.1	-0.40	1.28	436.6	-0.53	0.49	
4QR9RB	1,366.7	-0.38	1.44	966.7	-0.61	0.70	536.7	-0.78	0.43	576.7	0.00	0.40	420.0	-0.86		
6DERVP	1,600.6	1.06	2.09	1,172.2	0.73	1.90	635.8	1.24	1.86	596.4	0.28	1.40	454.0	-0.19	0.95	
6YJ2J2	1,407.7	-0.13	0.05	1,001.0	-0.39	0.07	566.3	-0.18	0.28	565.8	-0.15	0.12	465.8	0.04	0.16	
7KBMVA	1,525.1	0.60	0.24	1,119.5	0.39	0.75	576.7	0.03	0.60	620.9	0.62	0.65	496.7	0.65	1.11	
7L9XPQ	1,426.3	-0.01	1.73	1,113.0	0.35	1.18	570.0	-0.10	0.33	604.3	0.39	1.40	512.7	0.96	1.76	
BDXF3L	1,302.0	-0.78		988.0	-0.47		657.0	1.67		747.0	2.37		499.0	0.69		
D8M7NP	1,708.5	1.73	2.06	1,353.9	1.93	2.39	607.5	0.66	1.35	598.6	0.31	1.46	435.4	-0.55	0.49	
DL28KF	1,428.3	0.00	0.60	1,059.7	0.00	0.36	578.0	0.06	0.62	572.4	-0.06	0.39	464.8	0.02	0.48	
ELGX3X	1,418.1	-0.06	0.33	1,131.7	0.47	0.91	580.9	0.12	1.06	567.3	-0.13	0.60	471.7	0.16	0.26	
EWWM24	1,451.3	0.14	0.34	1,060.3	0.00	0.54	585.1	0.20	0.34	579.8	0.04	0.53	463.7	0.00	0.08	
F8V6RW	1,729.7	1.86	0.21	1,358.4	1.96	0.13	589.8	0.30	2.57	679.7	1.43	1.46	517.2	1.05	2.25	
GH7WTB	1,320.8	-0.66	0.13	954.9	-0.69	0.54	544.6	-0.62	0.08	525.0	-0.72	0.32	423.7	-0.78	0.18	
JEJRHJ	1,307.3	-0.75	0.85	950.8	-0.72	1.19	568.1	-0.14	1.40	545.5	-0.43	2.12	433.5	-0.59	1.15	
JY7K3D	1,332.0	-0.59	0.23	972.1	-0.58	0.35	333.2	-4.92X	3.88	509.5	-0.94	0.14	416.1	-0.93	0.83	
LYGYPD	1,367.7	-0.37	0.41	977.7	-0.54	1.12	573.3	-0.03	1.32	518.0	-0.82	1.71	425.7	-0.74	1.10	
M2ZFDC	1,774.9	2.14	0.17	1,354.6	1.93	0.09	670.1	1.93	0.16	722.2	2.03	0.33	588.0	2.43	0.53	
V7PNDX	1,306.6	-0.75	0.32	976.0	-0.55	0.20	475.2	-2.03	0.29	481.5	-1.33	0.32	428.9	-0.68	0.46	
VELMNJ	1,472.8	0.27	0.96	1,034.2	-0.17	0.70	570.5	-0.09	0.59	620.9	0.62	0.60	494.7	0.61	0.24	
VJDRGN	1,468.3	0.25	0.59	1,110.0	0.33	1.45	513.1	-1.26	0.48	561.8	-0.21	1.20	460.1	-0.07	0.99	
WTZ9M4	1,620.3	1.19	2.07	1,217.3	1.03	1.50	587.0	0.24	0.99	613.7	0.52	1.01	494.3	0.60	2.13	
WWFHYL	1,567.0	0.86	0.84	1,220.3	1.05	0.69	516.0	-1.20	0.15	545.7	-0.43	0.36	444.7	-0.37	0.43	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Al (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups					Data units: mg/kg
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205
Grand Median	1,428.3	1,060.3	575.0	576.7	463.7
Median Abs Dev	96.8	84.4	22.6	31.2	31.0
Avg Within Lab SD	40.0	29.9	13.3	14.3	14.1
Labs Included	23	23	22	23	23
Labs Reporting	23	23	23	23	23



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	1.55	-0.09	0.22	2.88	-0.20	0.35	0.56	-0.28	0.02	2.81	-0.06	0.29	7.11	0.15	0.08	
38KLN	1.45	-0.40	0.20	3.04	0.00	0.34	0.97	1.32	0.13	2.97	0.38	0.24	6.96	0.00	0.18	
4QR9RB	1.33	-0.76	0.24	2.40	-0.82	0.00	0.50	-0.53		2.43	-1.06	0.40	5.93	-1.09	0.14	
6DERVP	1.73	0.47	0.68	3.43	0.51	0.47	0.66	0.11	0.40	2.98	0.41	0.88	7.33	0.38	0.07	
6YJ2J2	1.62	0.12	0.60	2.89	-0.19	0.44	0.71	0.30	0.12	2.91	0.21	0.78	7.66	0.74	0.34	
7KBMVA	2.25	2.10	0.12	4.37	1.72	0.59	0.93	1.19	0.69	3.45	1.67	0.35	8.44	1.55	0.16	
7L9XPQ	1.59	0.04	0.14	3.42	0.49	0.44	0.61	-0.11	0.28	3.12	0.78	0.54	8.46	1.57	0.75	
84ZKA7	1.38	-0.63	0.25	2.71	-0.42	0.14	0.48	-0.59	0.06	2.65	-0.49	0.04	6.63	-0.35	0.04	
AZBTC9	1.70	0.39	0.03	2.92	-0.15	0.17	1.08	1.77	1.13	3.21	1.01	0.39	7.18	0.23	0.91	
BDXF3L	1.78	0.63		3.00	-0.05		0.76	0.50		2.90	0.19		6.70	-0.28		
C3RYLF	1.57	-0.04	0.83	2.77	-0.35	0.61	0.77	0.53	1.29	2.37	-1.24	0.40	5.87	-1.16	1.19	
CKTJNA	1.33	-0.79	0.75	2.30	-0.95	0.38	0.88	0.96	0.35	2.58	-0.67	0.36	5.35	-1.70	0.69	
D8M7NP	2.01	1.34	1.46	3.53	0.63	0.45	0.76	0.50	0.63	2.54	-0.79	1.61	6.41	-0.59	0.93	
DL28KF	1.49	-0.26	0.03	3.07	0.04	0.25	0.95	1.25	0.25	3.11	0.74	0.08	7.21	0.26	0.15	
EAP9AJ	1.67	0.28	1.57	3.50	0.60		1.00	1.45		2.83	0.01	1.99	7.67	0.74	1.36	
ELGX3X	1.53	-0.15	0.09	3.01	-0.03	0.39	1.02	1.51	0.28	2.94	0.28	0.41	6.78	-0.20	0.04	
ENMKF3	1.24	-1.04	0.00	2.41	-0.82	0.00	0.46	-0.69	0.00	2.52	-0.84	0.00	6.69	-0.29	0.00	
EWWM24	1.63	0.16	0.44	3.13	0.11	0.08	0.55	-0.34	0.23	2.74	-0.23	0.66	7.63	0.70	0.14	
EY6WWL	1.23	-1.07	0.16	2.63	-0.52	0.46	0.43	-0.79	0.32	2.38	-1.20	0.20	6.85	-0.12	0.31	
F6MUXE	2.12	1.70	0.11	3.97	1.20	0.38	2.89	8.93X	0.48	3.33	1.35	1.05	7.52	0.59	0.07	
F8V6RW	3.04	4.56X	1.49	7.55	5.83X	0.70	0.44	-0.78	3.16	6.39	9.53X	3.36	14.31	7.74X	1.36	
GH7WTB	1.31	-0.83	0.09	2.34	-0.90	0.16	0.50	-0.51	0.24	2.42	-1.10	0.08	6.43	-0.56	0.17	
JEJRHJ	1.67	0.28	0.31	2.80	-0.31	0.40	0.73	0.40	0.64	3.03	0.54	1.05	6.97	0.00	0.14	
JY7K3D	1.35	-0.71	0.21	2.57	-0.61	0.16	0.44	-0.77	0.73	2.43	-1.08	0.08	6.58	-0.41	0.39	
L3ZY39	3.04	4.54X	4.10	5.38	3.03	0.85	2.50	7.39X	2.99	6.26	9.19X	1.05	14.35	7.78X	0.41	
LYGYPD	2.18	1.86	4.80	4.69	2.13	5.36				3.41	1.54	4.30	10.04	3.24	4.90	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
M2ZFDC	2.62	3.25	0.12	5.25	2.86	0.20	2.12	5.88X	0.61	5.51	7.18X	1.42	9.63	2.81	0.08
R6PEXC	1.41	-0.51	0.34	2.82	-0.28	0.22	0.59	-0.18	0.93	2.83	0.00	0.48	7.81	0.89	0.53
TF7K6Y	1.47	-0.35	0.31	2.83	-0.26	0.23	0.77	0.53	3.21	2.63	-0.53	0.40	7.03	0.07	0.14
TH9FT9	1.62	0.14	0.24	3.58	0.70	0.46	0.54	-0.37	0.49	2.99	0.44	0.56	6.81	-0.16	0.61
V7PNDX	1.45	-0.41	0.08	2.77	-0.34	0.05	0.48	-0.59	0.26	2.59	-0.65	0.24	6.74	-0.24	0.14
VELMNJ	1.56	-0.06	0.07	3.26	0.29	0.39	0.45	-0.71	0.03	2.72	-0.29	0.42	7.36	0.41	0.11
VJDRGN	1.83	0.78	0.16	3.36	0.42	0.30	0.83	0.77	0.74	2.67	-0.42	0.22	6.91	-0.05	0.27
WTZ9M4	1.63	0.17	1.43	3.24	0.26	0.16	0.57	-0.24	0.39	2.85	0.06	0.35	6.91	-0.05	1.24
WWFHYL	1.55	-0.10	0.16	3.35	0.41	0.12	0.44	-0.76	0.29	2.46	-1.00	0.17	6.83	-0.14	0.18
XGZU84	1.90	1.00	0.54	3.80	0.98	0.40	0.70	0.26	1.11	3.20	0.99	0.69	8.10	1.20	0.24

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups					Data units: mg/kg
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205
Grand Median	1.58	3.04	0.63	2.83	6.97
Median Abs Dev	0.14	0.33	0.14	0.24	0.38
Avg Within Lab SD	0.18	0.25	0.09	0.15	0.42
Labs Included	34	35	32	33	34
Labs Reporting	36	36	35	36	36



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	40.1	0.73	0.32	76.6	1.03	0.35	130.5	0.87	0.42	77.2	1.63	0.22	299.4	1.03	0.28
38KLN	33.3	-0.59	0.19	64.5	0.18	0.41	93.9	-0.52	0.44	55.5	0.00	0.63	255.9	-0.02	0.50
4QR9RB	31.3	-0.97	0.31	49.7	-0.86	0.60	96.7	-0.42	0.48	44.3	-0.84	0.25	226.7	-0.73	0.60
6DERVP	36.7	0.06	0.72	64.4	0.18	2.24	121.4	0.52	1.47	53.6	-0.15	1.03	273.6	0.41	0.81
6YJ2J2	36.9	0.12	0.61	60.4	-0.10	0.26	115.8	0.31	0.67	60.4	0.37	0.29	270.0	0.32	0.21
7KBMVA	42.0	1.10	1.27	89.9	1.96	1.36	172.0	2.44	0.55	89.7	2.58	1.19	352.9	2.32	0.34
7L9XPQ	37.0	0.13	0.54	68.0	0.43	0.78	115.0	0.28	1.05	59.3	0.29	0.65	270.0	0.32	0.52
84ZKA7	32.7	-0.70	0.08	50.7	-0.78	0.45	112.7	0.19	0.53	55.5	0.00	0.19	217.0	-0.96	0.18
BDXF3L	35.0	-0.26		52.0	-0.69		108.0	0.01		50.0	-0.41		208.0	-1.18	
C3RYLF	30.6	-1.11	0.52	51.8	-0.71	0.06	85.6	-0.84	1.22	38.5	-1.28	1.11	194.1	-1.51	1.41
CKTJNA	38.8	0.48	1.79	57.2	-0.33	1.35	109.9	0.08	1.49	47.2	-0.62	1.30	229.0	-0.67	1.51
D8M7NP	49.8	2.62	0.64	68.5	0.46	0.43	81.6	-0.99	0.01	46.7	-0.66	0.48	198.3	-1.41	1.31
DL28KF	34.1	-0.43	0.20	68.0	0.43	0.21	105.6	-0.08	0.29	55.7	0.01	0.43	286.1	0.71	0.09
EAP9AJ	38.8	0.49	1.34	60.0	-0.13	0.20	100.2	-0.29	1.17	52.7	-0.21	1.01	260.0	0.08	1.80
ELGX3X	35.0	-0.25	0.15	65.6	0.26	0.64	88.2	-0.74	0.62	58.7	0.24	1.12	244.3	-0.30	0.40
ENMKF3	31.6	-0.92	0.00	49.5	-0.87		82.0	-0.98		48.9	-0.50	0.00	256.7	0.00	0.00
EWM24	36.1	-0.05	0.38	61.9	0.00	0.43	113.8	0.23	0.41	62.6	0.54	0.29	283.6	0.65	0.32
EY6WWL	36.3	0.00	0.63	66.0	0.29	3.11	118.3	0.41	2.26	59.0	0.26	3.71	279.7	0.55	2.85
F6MUXE	42.0	1.10	0.28	77.8	1.11	0.83	133.1	0.97	0.23	73.4	1.35	0.55	287.1	0.73	0.68
F8V6RW	39.5	0.61	0.68	89.1	1.90	0.19	162.5	2.08	0.44	83.9	2.15	1.00	329.8	1.76	2.13
GH7WTB	31.3	-0.97	0.21	47.5	-1.01	0.22	86.2	-0.82	0.11	43.7	-0.89	0.08	216.5	-0.97	0.32
JEJRHJ	32.4	-0.76	1.00	57.1	-0.34	0.59	98.8	-0.34	0.73	54.0	-0.11	1.75	287.6	0.75	1.22
JY7K3D	34.3	-0.39	0.13	55.3	-0.46	0.30	91.2	-0.62	1.12	56.3	0.06	0.58	245.3	-0.27	0.52
L3ZY39	65.8	5.72X	0.97	124.8	4.40X	1.55	259.6	5.77X	4.41	123.0	5.09X	0.92	596.5	8.21X	0.97
LYGYPD	36.0	-0.07	0.38	57.1	-0.34	0.65	107.7	0.00	1.18	48.1	-0.56	0.15	244.7	-0.29	0.61
M2ZFDC	41.1	0.93	0.09	67.9	0.42	0.01	118.1	0.40	0.03	49.4	-0.46	0.13	255.5	-0.03	0.25



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
R6PEXC	34.6	-0.34	0.86	53.1	-0.62	0.92	86.5	-0.80	1.35	50.5	-0.38	0.43	260.5	0.09	0.83	
TF7K6Y	34.7	-0.32	0.31	53.7	-0.58	0.99	91.3	-0.62	1.86	44.7	-0.82	0.65	242.0	-0.36	0.27	
V7PNDX	33.8	-0.50	0.05	44.5	-1.22	0.03	71.5	-1.37	0.07	38.9	-1.25	0.05	214.2	-1.03	0.23	
VELMNJ	40.6	0.83	0.37	48.2	-0.96	0.36	87.0	-0.79	0.13	35.4	-1.52	0.68	233.9	-0.55	0.67	
VJDRGN	39.1	0.54	0.16	67.2	0.37	0.54	122.7	0.57	2.09	59.5	0.30	0.37	256.3	-0.01	0.18	
WTZ9M4	45.7	1.83	4.40	74.8	0.90	2.17	132.7	0.95	1.18	70.5	1.13	1.24	310.3	1.30	1.88	
WWFHYL	40.3	0.76	0.50	76.0	0.99	0.42	104.3	-0.13	0.35	57.9	0.18	0.44	258.0	0.03	0.62	
XGZU84	43.0	1.29	0.54	81.3	1.36	1.20	150.0	1.61	0.83	62.0	0.49	1.13	294.7	0.92	0.16	

Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups					Data units: mg/kg	
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	36.3	61.9	107.7	55.5	256.7	
Median Abs Dev	3.1	8.2	15.0	6.5	26.9	
Avg Within Lab SD	1.8	2.5	4.4	2.3	9.7	
Labs Included	33	33	33	33	33	
Labs Reporting	34	34	34	34	34	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	326.4	1.39	0.30	193.5	1.01	0.96	42.7	1.48	0.16	195.4	1.37	0.55	218.3	2.15	0.17	
38KLN	247.7	-0.11	0.83	156.9	0.00	0.89	32.3	-0.18	0.27	163.3	0.08	0.47	165.4	-0.04	0.45	
4QR9RB	230.0	-0.45		133.3	-0.65	1.09	28.7	-0.76	0.23	150.0	-0.46		156.7	-0.40	0.77	
6DERVP	265.1	0.22	1.06	163.8	0.19	1.85	35.1	0.26	1.07	175.2	0.56	1.59	177.1	0.44	1.77	
6YJ2J2	217.7	-0.69	0.24	140.6	-0.45	0.25	31.8	-0.27	0.53	172.7	0.46	0.33	173.0	0.28	0.31	
7KBMVA	343.9	1.73	0.98	226.5	1.91	1.08	60.0	4.24X	0.15	245.5	3.38X	0.92	250.9	3.50X	0.42	
7L9XPQ	290.7	0.71	0.24	181.7	0.68	0.39	38.3	0.78	0.84	193.3	1.29	0.74	200.7	1.42	1.04	
84ZKA7	209.7	-0.84	0.24	131.7	-0.69	0.48	33.4	0.00	0.15	149.3	-0.48	0.23	153.7	-0.53	0.20	
BDXF3L	191.0	-1.20		127.0	-0.82		39.0	0.89		139.0	-0.90		132.0	-1.42		
C3RYLF	261.0	0.14	1.15	172.0	0.41	2.51	36.7	0.53	0.60	171.0	0.39	2.91	165.0	-0.06	1.15	
CKTJNA	249.8	-0.07	1.67	150.0	-0.19	1.59	36.5	0.49	0.64	160.7	-0.02	0.82	157.8	-0.36	1.43	
D8M7NP	304.7	0.98	3.30	188.9	0.88	1.56	32.5	-0.15	2.01	135.4	-1.04	1.93	144.9	-0.89	2.53	
DL28KF	245.9	-0.15	0.56	160.3	0.09	0.17	34.7	0.20	0.55	172.0	0.43	0.29	183.7	0.72	0.48	
EAP9AJ	203.8	-0.95	0.36	141.3	-0.43	0.27	35.3	0.30	3.72	159.0	-0.09	1.40	167.3	0.04	0.97	
ELGX3X	269.0	0.29	0.04	164.6	0.21	1.03	32.8	-0.10	0.51	161.1	-0.01	0.50	159.6	-0.28	0.74	
ENMKF3	224.5	-0.56		130.2	-0.73	0.00	27.4	-0.96	0.00	148.2	-0.53	0.00	158.3	-0.33	0.00	
EWM24	258.0	0.08	0.14	144.3	-0.34	0.47	26.2	-1.15	0.45	163.7	0.10	0.36	169.5	0.13	0.14	
EY6WWL	253.7	0.00	0.46	163.0	0.17	1.87	35.3	0.30	0.23	173.3	0.48	2.12	183.7	0.72	2.23	
F6MUXE	309.7	1.07	0.58	211.0	1.49	0.83	36.7	0.52	0.31	185.9	0.99	0.58	213.6	1.95	0.21	
F8V6RW	314.3	1.16	0.26	205.3	1.33	0.06	42.2	1.41	1.46	222.1	2.44	1.03	223.2	2.35	1.61	
GH7WTB	221.4	-0.62	0.05	129.1	-0.76	0.07	29.5	-0.63	0.36	146.2	-0.61	0.07	158.2	-0.34	0.26	
JEJRHJ	226.4	-0.52	0.80	139.0	-0.49	0.54	29.1	-0.70	0.56	157.5	-0.16	1.01	162.2	-0.17	1.27	
JY7K3D	223.3	-0.58	0.34	130.2	-0.73	0.42	28.7	-0.76	0.15	152.1	-0.37	0.18	162.0	-0.18	0.69	
L3ZY39	556.2	5.79X	3.00	299.6	3.92X	2.18	61.5	4.48X	2.76	336.2	7.04X	0.93	337.6	7.08X	0.70	
LYGYPD	255.0	0.03	0.82	153.0	-0.11	1.05	35.4	0.31	0.31	154.0	-0.30	0.26	164.0	-0.10	0.23	
M2ZFDC	353.8	1.92	0.46	217.6	1.66	0.47	62.0	4.56X	0.15	207.1	1.84	0.25	220.0	2.22	0.33	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
R6PEXC	188.2	-1.25	0.11	118.8	-1.04	0.15	25.0	-1.35	0.28	148.6	-0.51	0.17	162.0	-0.18	0.18	
TF7K6Y	212.3	-0.79	0.85	134.0	-0.63	1.14	27.7	-0.92	0.61	139.3	-0.89	0.62	159.3	-0.29	0.20	
V7PNDX	214.8	-0.74	0.17	123.1	-0.93	0.34	32.3	-0.19	0.33	130.6	-1.24	0.13	159.0	-0.31	0.54	
VELMNJ	212.7	-0.78	0.11	138.7	-0.50	0.66	30.0	-0.55	0.24	158.9	-0.10	0.09	171.3	0.20	0.26	
VJDRGN	295.5	0.80	1.52	159.1	0.06	0.12	50.0	2.64	0.88	175.2	0.56	1.59	173.9	0.31	1.00	
WTZ9M4	274.0	0.39	1.82	182.0	0.69	0.68	34.8	0.22	1.73	192.3	1.25	0.82	194.7	1.17	1.62	
WWFHYL	294.3	0.78	1.37	186.7	0.82	0.87	29.6	-0.61	0.18	161.7	0.01	0.23	167.3	0.04	0.20	
XGZU84	266.3	0.24	0.96	199.7	1.17	1.52	41.7	1.31	1.01	202.3	1.65	0.46	204.3	1.57	0.54	

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	253.7			156.9			33.4			161.4			166.4			
Median Abs Dev	36.0			24.8			3.5			12.4			8.1			
Avg Within Lab SD	8.8			5.3			2.5			6.7			7.5			
Labs Included	33			33			31			32			32			
Labs Reporting	34			34			34			34			34			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	1.02	1.65	0.42	1.29	1.22	0.52	2.87	-0.43	1.10	3.21	1.17	0.42	4.02	1.02	0.18	
38KLN	0.75	0.56	0.12	1.15	0.44	0.69	3.20	0.43	0.94	3.03	0.53	1.31	3.45	-0.37	0.52	
4QR9RB	0.60	-0.08	0.00	1.00	-0.39		2.80	-0.62	0.00	2.80	-0.27	0.00	3.50	-0.25	0.61	
6DERVP	1.05	1.77	0.20	1.37	1.71	3.02	3.42	1.02	1.81	3.16	1.00	1.66	3.92	0.77	1.89	
6YJ2J2	0.65	0.14	0.16	1.14	0.40	1.03	3.39	0.95	0.05	3.29	1.46	0.20	3.84	0.58	0.59	
7KBMVA	0.77	0.61	0.47	1.20	0.75	1.16	2.72	-0.84	0.80	2.76	-0.41	0.76	3.37	-0.58	0.28	
7L9XPQ	0.54	-0.34	0.06	1.12	0.30	0.60	3.28	0.64	0.28	3.19	1.11	0.82	4.33	1.78	0.70	
84ZKA7	0.22	-1.63	0.15	0.76	-1.75	0.15	2.66	-0.98	0.31	2.76	-0.41	0.43	2.70	-2.20	0.37	
BDXF3L	0.51	-0.45		1.07	0.00		3.10	0.18		3.00	0.44		2.80	-1.96		
C3RYLF	0.63	0.06	1.16	0.80	-1.52	2.56	2.80	-0.62	0.68	2.63	-0.86	1.09	3.17	-1.07	0.35	
CKTJNA	0.56	-0.25	0.47	0.96	-0.63	1.09	3.19	0.42	1.27	2.95	0.25	1.20	3.39	-0.53	0.67	
D8M7NP	1.14	2.14	1.43	1.76	3.89X	3.97	3.69	1.73	1.15	2.89	0.05	0.67	3.82	0.52	3.73	
DL28KF	0.68	0.25	0.27	1.10	0.14	0.25	3.10	0.17	0.49	2.97	0.32	1.14	3.88	0.68	0.41	
EAP9AJ	0.56	-0.23	0.28	1.14	0.38	0.81	3.32	0.75	0.12	2.99	0.39	2.29	3.92	0.76	2.04	
ELGX3X	0.72	0.42	0.07	1.15	0.48	0.64	2.93	-0.26	0.76	2.91	0.11	0.73	3.60	0.00	0.55	
ENMKF3	0.49	-0.54	0.00	0.83	-1.35	0.00	2.68	-0.94	0.00	2.62	-0.91	0.00	3.57	-0.08	0.00	
EWM24	0.80	0.75	0.06	1.11	0.24	0.56	2.77	-0.69	0.56	2.80	-0.27	0.94	3.85	0.59	0.71	
EY6WWL	0.48	-0.59	0.06	0.95	-0.69	0.48	2.96	-0.19	0.31	2.88	0.00	0.79	3.78	0.42	1.19	
F6MUXE	1.08	1.91	0.06	1.08	0.03	0.22	3.47	1.15	0.36	2.75	-0.47	0.14	3.32	-0.70	0.26	
F8V6RW	1.10	1.95	4.14	0.12	-5.37X	0.41	3.59	1.48	2.61	3.20	1.13	0.58	3.59	-0.03	0.55	
GH7WTB	0.80	0.73	0.17	0.99	-0.45	0.29	2.55	-1.28	0.24	2.49	-1.37	0.13	3.45	-0.36	0.08	
JEJRHJ	0.53	-0.35	0.58	0.93	-0.77	0.85	2.67	-0.97	0.79	2.73	-0.51	1.44	3.53	-0.17	0.35	
JY7K3D	0.47	-0.61	0.12	0.96	-0.64	0.21	2.77	-0.70	0.29	2.78	-0.35	0.06	3.71	0.25	0.56	
L3ZY39	0.38	-0.97	2.73	1.07	0.00	0.75	5.34	6.08X	1.87	4.79	6.81X	3.72	6.66	7.48X	1.28	
LYGYPD							3.27	0.62	0.83	2.67	-0.73	1.86	3.49	-0.29	0.62	
M2ZFDC	0.68	0.23	0.06	1.29	1.23	0.21	3.07	0.10	0.09	3.22	1.21	0.04	3.90	0.72	0.24	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
R6PEXC	0.43	-0.77	0.06	0.92	-0.84	0.26	3.05	0.04	0.18	2.90	0.07	0.98	3.88	0.67	0.55	
TF7K6Y	0.50	-0.49		0.97	-0.58	0.85	3.03	0.00	3.35	2.63	-0.86	0.55	3.63	0.07	0.35	
V7PNDX	0.47	-0.60	0.06	0.93	-0.81	0.17	2.52	-1.35	0.25	2.49	-1.37	0.28	3.40	-0.49	0.07	
VELMNJ	0.47	-0.60	0.03	1.04	-0.18	0.03	3.02	-0.02	0.76	2.76	-0.40	0.90	3.28	-0.78	0.07	
VJDRGN	0.57	-0.19	0.25	1.01	-0.32	0.34	2.84	-0.50	0.58	2.59	-1.01	0.67	3.43	-0.43	0.37	
WTZ9M4	0.64	0.07	0.76	1.20	0.73	1.50	3.25	0.58	0.10	3.25	1.34	1.88	4.12	1.26	1.75	
WWFHYL	0.62	0.00	0.15	1.18	0.64	0.23	2.89	-0.38	0.14	2.85	-0.08	0.20	3.77	0.40	0.60	
XGZU84	0.70	0.33	1.01	1.30	1.30	1.48	3.50	1.23	0.68	3.27	1.39	1.44	4.20	1.46	0.61	

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	0.62			1.07			3.03			2.88			3.60			
Median Abs Dev	0.13			0.11			0.24			0.14			0.24			
Avg Within Lab SD	0.10			0.07			0.15			0.11			0.16			
Labs Included	33			31			33			33			33			
Labs Reporting	33			33			34			34			34			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
382Q7P	0.74	1.24	0.20	0.58	0.55	0.08	0.67	-0.76	0.27	1.39	-0.13	0.09	0.85	0.32	0.52		
38KLN	0.33	-0.07	0.14	0.48	0.13	0.25	1.01	0.41	0.15	1.48	0.15	0.15	0.77	0.01	0.50		
4QR9RB	0.60	0.79	0.07	0.66	0.91	0.08	0.68	-0.75	0.04	1.17	-0.84	0.24	0.70	-0.27	0.00		
6DERVP	0.90	1.75	1.20	0.93	2.05	0.28	1.23	1.15	0.38	1.80	1.15	0.00	1.20	1.65	1.69		
6YJ2J2	0.27	-0.24	0.27	0.45	0.04	0.12	1.06	0.56	0.03	1.55	0.37	0.05	0.84	0.26	0.27		
7KBMVA	0.53	0.59	0.22	0.44	-0.04	0.10	0.41	-1.64	0.03	0.89	-1.69	0.04	0.62	-0.59	0.30		
84ZKA7	0.32	-0.10	0.07	0.42	-0.12	0.08	0.80	-0.31	0.10	1.37	-0.20	0.04	0.77	0.00	0.29		
BDXF3L	0.23	-0.38		0.41	-0.15		0.94	0.15		1.46	0.08		0.68	-0.35			
C3RYLF	0.60	0.80	0.00	0.40	-0.19	0.00	0.87	-0.10	0.38	0.37	-3.35X	0.24	0.37	-1.55	0.98		
CKTJNA	0.46	0.35	0.57	0.49	0.17	0.24	0.84	-0.17	0.22	1.18	-0.79	0.14	0.70	-0.28	0.56		
D8M7NP	0.75	1.26	0.93	1.04	2.50	0.56	1.57	2.29	1.16	2.05	1.94	1.31	1.18	1.55	2.27		
DL28KF	0.29	-0.19	0.19	0.48	0.12	0.13	1.03	0.47	0.04	1.43	0.00	0.13	0.80	0.12	0.52		
EAP9AJ	0.11	-0.77	0.18	0.34	-0.45	0.08	0.97	0.27	0.41	1.35	-0.26	0.46	0.68	-0.33	1.00		
ELGX3X	0.33	-0.05	0.18	0.47	0.08	0.12	0.95	0.19	0.17	1.49	0.18	0.07	0.77	-0.01	0.49		
ENMKF3	0.22	-0.40	0.00	0.40	-0.20	0.00	1.01	0.38	0.00	1.53	0.31	0.00	0.74	-0.13	0.00		
EWWM24	0.14	-0.67	0.09	0.23	-0.92	0.12	0.91	0.06	0.15	1.52	0.28	0.02	0.54	-0.88	0.51		
F8V6RW	0.38	0.09	0.65	0.25	-0.82	0.63	0.17	-2.46	0.56	1.68	0.76	0.31	0.82	0.20	1.22		
GH7WTB	0.36	0.05	0.02	0.43	-0.05	0.01	0.95	0.17	0.05	1.45	0.06	0.04	0.81	0.15	0.06		
JEJRHJ	0.67	1.01	0.69	0.67	0.93	0.28	0.90	0.02	0.00	1.27	-0.52	0.24	0.90	0.50	0.00		
JY7K3D	-0.22	-1.81	0.11	-0.02	-1.94	0.03	0.53	-1.25	0.10	1.03	-1.28	0.04	0.32	-1.73	0.16		
L3ZY39	0.86	1.62	3.77	0.92	1.99	5.03	1.44	1.85	4.74	2.42	3.11	4.94	1.37	2.29	3.18		
LYGYPD							1.19	1.02	0.27	1.47	0.10	0.92					
M2ZFDC	0.45	0.34	2.29	0.77	1.37	0.36	1.66	2.61	1.85	2.39	3.00	0.24	1.39	2.38	1.40		
R6PEXC	0.25	-0.31	0.12	0.42	-0.11	0.05	0.88	-0.06	0.04	1.42	-0.04	0.40	0.84	0.28	0.54		
TF7K6Y	0.17	-0.58	0.69	0.37	-0.33	0.28	0.87	-0.10	0.38	1.40	-0.10	0.42	0.77	-0.01	0.98		
V7PNDX	0.51	0.52	1.32	0.58	0.56	0.38	0.86	-0.12	0.13	1.34	-0.28	0.10	0.82	0.20	0.35		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
VJDRGN							0.76	-0.45	0.25	1.08	-1.12	0.09	0.29	-1.84	0.29	
WTZ9M4	0.08	-0.84	0.14	0.33	-0.50	0.14	0.89	-0.02	0.29	1.33	-0.34	0.21	0.68	-0.33	0.39	
WWFHYL	0.04	-0.98	0.00	0.30	-0.60	0.03	0.86	-0.13	0.04	1.29	-0.46	0.02	0.62	-0.58	0.23	
XGZU84	0.70	1.11	1.20	0.70	1.07	0.49	0.80	-0.32	0.65	1.43	0.00	0.24	0.97	0.75	0.98	
Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	0.35			0.45			0.90			1.43			0.77			
Median Abs Dev	0.18			0.11			0.10			0.10			0.09			
Avg Within Lab SD	0.08			0.20			0.15			0.24			0.06			
Labs Included	28			28			30			29			29			
Labs Reporting	28			28			30			30			29			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7TM4ZN	0.92	0.87	0.54	1.08	0.00	0.10	0.11	-0.49	0.65	1.84	0.61	0.88	3.54	0.40	0.81	
7VADEV	0.61	-1.17	0.36	0.68	-1.56	0.15	0.13	-0.27	0.09	1.58	-0.21	0.35	3.01	-0.53	0.53	
84XV4N	0.80	0.07	0.00	0.77	-1.22	0.50	0.10	-0.56	0.00	1.43	-0.66	1.34	2.80	-0.90	1.12	
8R74JK	0.50	-1.93		0.67	-1.60	0.50	0.20	0.49	0.00	1.30	-1.08	0.00	2.57	-1.31	0.64	
9EFP3N	0.84	0.34	0.18	1.09	0.01	0.13	0.24	0.91	1.28	1.56	-0.27	0.13	3.42	0.19	2.06	
A2BQTW	0.88	0.59	1.71	1.24	0.62	0.21	0.12	-0.31	0.27	1.40	-0.77	0.53	3.17	-0.24	0.26	
A76LRH	0.86	0.44	0.26	1.13	0.18	0.71	0.11	-0.42	0.25	1.01	-2.00	0.07	2.61	-1.23	0.36	
ADKB8H	69.20	456.82X		47.70	179.35X		3.00	30.05X		74.60	229.18X		16.00	22.35X		
AJ99HR	0.67	-0.80	0.22	0.91	-0.66	0.31	0.20	0.49	0.76	1.08	-1.78	0.09	2.66	-1.15	0.13	
AQB6JC	0.77	-0.13	0.18	1.14	0.21	0.18	0.44	3.03	0.43	1.70	0.18	0.31	3.35	0.08	0.17	
AZBTC9	0.67	-0.78	0.93	1.10	0.05	0.13	0.34	2.01	0.25	1.81	0.53	0.27	3.18	-0.23	0.89	
B3WWLR	0.81	0.16	0.28	1.09	0.04	0.13	0.09	-0.64	0.15	2.03	1.21	0.20	3.71	0.71	0.06	
BEQDBT	0.86	0.48	0.38	2.06	3.74X	0.53	0.06	-0.99	0.00	12.31	33.51X	0.63	4.15	1.49	1.25	
C4MDGL	0.69	-0.68	0.47	1.45	1.40	0.25	0.22	0.75	0.52	1.23	-1.29	0.14	3.43	0.20	0.63	
CBQEHF	0.86	0.45	0.83	1.01	-0.29	1.16	0.16	0.04	0.26	1.77	0.40	1.56	3.81	0.89	2.94	
D8M7NP	0.73	-0.40	0.51	0.95	-0.53	0.18	0.21	0.55	2.72	1.74	0.29	2.70	3.89	1.02	1.26	
E72W78	0.77	-0.15	0.10	1.11	0.09	0.43	0.14	-0.18	0.25	1.64	-0.02	0.81	3.21	-0.17	0.50	
EXBBZA	0.92	0.85	0.63	1.11	0.10	0.66				1.77	0.39	1.05	3.65	0.59	1.68	
F8V6RW	0.87	0.52	1.94	1.05	-0.12	0.10	0.17	0.22	0.27	1.73	0.28	0.23	3.58	0.48	0.23	
GDGCVM	1.00	1.38	1.10	1.20	0.44	0.35	0.29	1.41	0.49	1.67	0.08	0.92	3.21	-0.17	0.85	
GH7WTB	0.71	-0.55	0.15	0.79	-1.11	0.39	0.13	-0.23	1.01	1.50	-0.43	0.39	3.31	0.00	0.45	
HPK369	1.06	1.80	0.46	1.36	1.06	0.21	0.27	1.28	0.28	1.88	0.76	0.75	3.96	1.15	0.72	
J4ZF4L	0.89	0.70	3.14	1.01	-0.27	0.81	0.11	-0.42	0.42	1.65	0.01	0.81	3.58	0.48	0.56	
JR9NJG	0.92	0.84	1.07	1.16	0.30	0.23	0.20	0.47	2.77	1.77	0.39	3.41	3.56	0.44	1.38	
KLXV4C	0.50	-1.93	1.80	1.08	0.00	1.09	0.66	5.35X	2.38	1.93	0.91	1.77	3.20	-0.19	1.12	
LHWBEJ	0.67	-0.82	1.04	0.73	-1.35	0.50	0.33	1.90	2.47	1.33	-0.97	1.77	2.77	-0.96	1.29	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
M7X23U	0.89	0.65	0.28	1.49	1.55	5.37	0.22	0.70	1.48	1.87	0.70	0.67	3.80	0.86	1.12
M8W3B7	0.80	0.07	0.48	0.91	-0.65	0.30	0.15	0.00	0.65	1.59	-0.16	1.14	3.28	-0.05	1.12
MC2YV7	0.67	-0.82	1.04	0.68	-1.56	0.60	0.11	-0.45	0.82	1.30	-1.08	0.00	2.73	-1.02	1.29
QQF7K3	0.68	-0.71	0.10	0.74	-1.32	0.00	0.11	-0.42	0.25	1.52	-0.38	0.07	3.17	-0.25	0.06
TH9FT9	0.67	-0.78	0.21	1.29	0.78	0.27	0.28	1.37	0.49	1.29	-1.11	0.31	2.94	-0.65	0.13
TULNP9	1.39	4.04X	0.80	2.23	4.42X	0.19	0.18	0.25	1.22	2.37	2.29	0.79	4.59	2.25	0.17
UPML67	0.64	-1.02	1.20	0.73	-1.36	0.26	0.25	0.99	1.78	1.37	-0.87	1.00	3.31	0.00	0.30
UTA9V9	1.02	1.51	1.16	1.36	1.07	0.31	0.12	-0.40	1.41	1.75	0.34	0.37	3.87	0.99	0.64
VELMNJ	0.70	-0.57	0.90	0.89	-0.75	0.22	0.14	-0.15	0.26	1.68	0.12	0.42	3.45	0.25	1.33
VT3KRY	0.76	-0.17	0.08	1.01	-0.27	0.12	0.11	-0.41	0.14	1.16	-1.52	0.20	2.40	-1.61	0.11
VUW7MC	0.76	-0.20	0.79	1.07	-0.05	0.35	0.09	-0.70	0.65	1.70	0.19	0.53	3.19	-0.22	0.61
WFADBA	0.78	-0.06	0.72	0.74	-1.32	0.00	0.08	-0.77	0.00	1.16	-1.51	0.44	1.99	-2.32	0.13
WTZ9M4	0.88	0.58	2.29	1.20	0.45	1.78	0.23	0.77	1.37	1.64	-0.01	0.35	3.58	0.48	1.35
YAJLEZ	0.66	-0.85	0.57	0.88	-0.77	0.14	0.10	-0.59	0.17	1.48	-0.50	0.57	3.05	-0.46	0.10
YMJMR2	0.80	0.06	0.33	1.34	0.99	0.11	0.17	0.19	0.28	1.77	0.39	0.12	3.45	0.25	1.46
ZBNVHH	0.80	0.09	0.63	1.13	0.19	0.50	0.15	-0.07	0.25	1.73	0.28	0.67	3.77	0.80	0.64

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Grand Median	0.79			1.08			0.15			1.64			3.31	
Median Abs Dev	0.09			0.16			0.05			0.15			0.27		
Avg Within Lab SD	0.06			0.12			0.02			0.09			0.09		
Labs Included	40			39			39			40			41		
Labs Reporting	42			42			41			42			42		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7TM4ZN	36.21	1.28	0.46	11.84	0.77	0.11	2.44	0.22	0.08	36.00	0.91	0.29	37.83	0.55	0.76	
7VADEV	24.56	-0.85	0.26	4.38	-0.73	0.07	1.23	-0.57	0.05	16.42	-0.42	0.23	24.75	-0.71	0.23	
84XV4N	30.23	0.19	1.15	3.70	-0.86	0.08	0.90	-0.79	0.18	12.60	-0.68	0.21	21.93	-0.98	0.76	
8R74JK	23.00	-1.14		6.67	-0.27	0.27	2.00	-0.07		25.00	0.16		32.33	0.02	0.53	
9EFP3N	26.27	-0.54	0.53	6.33	-0.33	0.15	1.80	-0.20	0.18	15.57	-0.48	0.19	28.93	-0.31	0.13	
A2BQTW	29.67	0.09	0.25	9.67	0.34	0.11	2.77	0.43	0.06	23.07	0.03	0.23	31.92	-0.02	0.05	
A76LRH	29.17	-0.01	0.17	9.63	0.33	0.05	2.11	0.00	0.07	21.84	-0.05	0.11	29.23	-0.28	0.20	
AJ99HR	25.44	-0.69	0.04	4.95	-0.61	0.05	0.85	-0.82	0.11	13.56	-0.61	0.11	26.61	-0.53	0.22	
AQB6JC	33.50	0.79	0.14	5.47	-0.51	0.03	0.73	-0.90	0.11	16.20	-0.43	0.12	24.53	-0.73	0.04	
AZBTC9	24.77	-0.81	0.39	6.87	-0.23	0.43	1.26	-0.55	0.19	16.32	-0.43	0.68	26.14	-0.57	0.71	
B3WWLR	35.35	1.13	0.11	16.85	1.78	0.08	3.73	1.06	0.04	48.50	1.75	0.03	48.27	1.55	0.01	
BEQDBT	17.76	-2.10	0.17	11.25	0.65	0.29	7.78	3.70X	0.72	27.63	0.34	0.13	66.61	3.31X	0.85	
C4MDGL	25.27	-0.72	0.21	4.59	-0.68	0.03	1.44	-0.43	0.32	11.79	-0.73	0.04	25.12	-0.67	0.11	
CBQEHF	29.04	-0.03	1.04	8.43	0.09	0.22	2.89	0.51	1.03	27.12	0.31	0.41	38.76	0.64	1.02	
D8M7NP	29.46	0.05	1.58	19.19	2.25	6.08	4.82	1.77	5.80	43.27	1.40	5.01	52.55	1.96	5.25	
E72W78	29.77	0.10	0.36	9.90	0.38	0.16	2.55	0.29	0.02	25.30	0.18	0.12	32.80	0.06	0.03	
EXBBZA	31.63	0.45	0.32	10.90	0.58	0.26	3.50	0.91	0.37	30.63	0.54	0.29	40.87	0.84	1.20	
F8V6RW	31.04	0.34	0.06	11.34	0.67	0.09	3.41	0.85	0.12	33.46	0.74	0.41	42.12	0.96	0.31	
GDGCVM	32.97	0.69	0.32	6.83	-0.23	0.19	1.97	-0.09	0.47	20.00	-0.18	0.53	32.97	0.08	0.37	
GH7WTB	28.72	-0.09	0.37	5.11	-0.58	0.08	1.11	-0.65	0.06	18.38	-0.29	0.22	28.72	-0.33	0.17	
HPK369	30.05	0.16	1.33	14.20	1.25	0.17	4.04	1.26	0.87	39.20	1.12	0.58	47.62	1.48	0.93	
J4ZF4L	28.57	-0.12	0.33	6.27	-0.35	0.24	1.82	-0.18	0.23	22.13	-0.03	0.71	33.20	0.10	0.39	
JR9NJG	29.62	0.08	0.60	11.34	0.67	0.09	2.96	0.56	0.22	29.40	0.46	0.09	38.47	0.61	0.39	
KLXV4C	29.23	0.01	0.83	5.67	-0.47	0.09	1.01	-0.72	0.20	17.80	-0.33	0.18	25.30	-0.65	0.14	
LHWBEJ	27.40	-0.33	0.28	3.80	-0.84	0.08	1.07	-0.68	0.11	12.73	-0.67	0.07	23.53	-0.82	0.02	
M7X23U	37.33	1.49	0.81	16.00	1.61	0.82	4.40	1.49	0.85	53.00	2.06	2.80	55.33	2.22	1.06	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
M8W3B7	33.17	0.73	3.75	5.03	-0.59	0.18	1.03	-0.70	0.11	16.73	-0.40	1.40	25.10	-0.67	0.31
QQF7K3	27.23	-0.36	0.04	4.07	-0.79	0.03	0.73	-0.90	0.11	14.40	-0.56	0.05	24.23	-0.76	0.02
TH9FT9	23.96	-0.96	0.43	2.47	-1.11	0.04	0.86	-0.81	0.11	9.58	-0.88	0.05	21.68	-1.00	0.57
TULNP9	38.60	1.72	0.49	22.26	2.87X	0.00	4.31	1.43	0.50	54.26	2.14	0.15	63.25	2.98X	0.15
UPML67	25.27	-0.72	1.71	3.87	-0.83	0.10	1.07	-0.68	0.38	12.37	-0.69	0.30	26.93	-0.50	0.46
UTA9V9	19.34	-1.81	0.68	11.53	0.71	0.09	3.59	0.97	0.02	29.92	0.50	0.38	31.81	-0.03	0.21
VELMNJ	27.05	-0.40	0.44	8.00	0.00	0.26	3.04	0.61	0.21	26.84	0.29	0.23	37.96	0.56	1.00
VT3KRY	18.33	-1.99	0.18	5.34	-0.53	0.03	2.23	0.08	0.10	12.78	-0.67	0.01	19.93	-1.17	0.02
VUW7MC	32.84	0.67	0.29	12.43	0.89	0.08	3.09	0.64	0.15	39.92	1.17	0.14	44.47	1.18	0.24
WFADBA	21.67	-1.38	0.08	10.07	0.42	0.20	4.40	1.49	0.64	50.83	1.91	0.66	33.87	0.17	0.24
WTZ9M4	33.03	0.70	3.18	7.17	-0.17	0.57	1.87	-0.16	0.11	14.47	-0.55	0.64	29.23	-0.28	0.56
YAJLEZ	29.09	-0.02	0.19	9.35	0.27	0.30	2.58	0.31	0.21	25.45	0.19	0.61	34.52	0.23	0.18
YMJMR2	33.28	0.75	0.53	16.45	1.70	0.14	4.39	1.49	0.07	45.95	1.58	0.15	44.08	1.15	0.34
ZBNVHH	32.00	0.51	0.71	9.20	0.24	0.14	2.03	-0.05	0.21	20.67	-0.13	0.27	35.00	0.28	

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Grand Median	29.2			8.00			2.11			22.6			32.1	
Median Abs Dev	3.7			2.96			0.99			7.7			6.5		
Avg Within Lab SD	1.4			2.10			0.54			2.2			2.9		
Labs Included	40			39			39			40			38		
Labs Reporting	40			40			40			40			40		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7TM4ZN	72.7	0.02	0.49	41.4	-0.20	0.18	2.0	-0.38	0.31	80.7	0.17	0.96	11.9	-0.20	0.45
7VADEV	51.8	-0.96	0.05	35.6	-0.55	0.29	2.1	-0.36	0.06	65.4	-0.78	0.58	10.9	-0.51	0.18
84XV4N	58.0	-0.67	1.34	36.7	-0.49	0.12	2.0	-0.42		65.3	-0.79	1.22	8.0	-1.38	1.36
8R74JK	62.0	-0.48	0.44	36.0	-0.53	0.20	3.0	0.47		84.0	0.37		14.0	0.44	1.36
9EFP3N	90.6	0.85	0.90	96.9	3.22	1.17	3.1	0.59	0.51	83.6	0.34	0.10	14.3	0.54	0.94
A2BQTW	84.1	0.55	0.51	57.4	0.79	0.32	4.1	1.45	3.51	76.3	-0.11	0.53	13.9	0.40	0.34
A76LRH	77.0	0.21	0.23	39.2	-0.33	0.42	1.5	-0.91	0.08	49.1	-1.79	0.15	10.1	-0.76	0.24
ADKB8H	1.6	-3.30X		2.4	-2.60		0.3	-1.94		3.1	-4.64X		6.7	-1.78	
AJ99HR	65.4	-0.32	0.76	39.6	-0.31	0.34	1.1	-1.22	1.82	63.4	-0.91	0.32	11.7	-0.26	0.38
AQB6JC	72.0	-0.02	0.38	57.3	0.78	0.31	2.0	-0.42		62.0	-0.99		9.0	-1.08	
AZBTC9	53.9	-0.86	0.19	42.2	-0.15	0.18	3.5	0.91	0.78	74.9	-0.19	0.39	13.1	0.16	0.46
B3WWLR	65.8	-0.31	0.03	38.2	-0.40	0.03	1.7	-0.65	0.03	83.6	0.35	0.06	13.7	0.36	0.12
BEQDBT	17.1	-2.57	0.10	39.8	-0.30	0.54	5.7	2.93X	0.70	15.5	-3.87X	0.14	99.6	26.51X	2.69
C4MDGL	90.0	0.82	0.37	45.6	0.06	0.47	4.6	1.87	0.45	76.6	-0.09	0.18	11.9	-0.18	0.22
CBQEHF	70.4	-0.09	1.35	42.9	-0.11	1.33	3.1	0.54	2.85	84.0	0.37	1.09	15.0	0.76	1.09
D8M7NP	53.8	-0.86	3.79	30.9	-0.85	1.43	2.0	-0.38	0.09	81.2	0.20	3.78	12.3	-0.07	0.07
E72W78	80.4	0.37	0.14	52.7	0.50	0.21	2.6	0.10	0.09	84.7	0.41	0.21	13.2	0.21	0.08
EXBBZA	74.6	0.11	0.66	46.5	0.12	0.52	2.9	0.41	0.51	90.2	0.75	0.64	14.9	0.72	2.65
F8V6RW	69.9	-0.11	0.49	46.5	0.11	0.59	2.5	0.00	0.86	85.5	0.46	0.72	14.1	0.49	0.76
GDGCVM	104.3	1.49	1.13	75.4	1.90	0.71	3.7	1.07	0.51	99.7	1.34	0.96	17.0	1.36	1.63
GH7WTB	52.0	-0.95	0.38	44.6	0.00	2.53	1.9	-0.47	0.14	63.3	-0.91	0.46	10.1	-0.75	0.46
HPK369	77.5	0.24	0.42	63.8	1.18	0.56	3.9	1.27	1.39	110.1	1.99	0.52	19.5	2.11	1.47
J4ZF4L	56.2	-0.75	0.63	34.3	-0.64	0.38	2.1	-0.36	0.27	74.2	-0.24	1.55	11.4	-0.35	0.76
JR9NJK	112.7	1.88	0.85	97.1	3.23	0.81	3.0	0.49	0.14	95.3	1.07	0.22	16.5	1.20	0.24
KLXV4C	68.3	-0.19	0.62	57.0	0.76	0.56	1.9	-0.54	0.57	68.8	-0.57	0.23	9.2	-1.01	0.12
LHWBEJ	91.4	0.89	0.14	52.9	0.51	0.24	3.4	0.80	0.51	88.6	0.65	0.29	13.9	0.40	0.34



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M7X23U	90.7	0.85	1.25	53.0	0.51	0.35	2.8	0.27	0.68	101.3	1.44	0.44	17.0	1.36	1.36	
M8W3B7	55.4	-0.79	0.96	34.4	-0.63	0.64	2.0	-0.39	0.93	67.6	-0.64	1.07	9.4	-0.97	0.67	
MC2YV7	44.6	-1.29	0.63	28.2	-1.01	0.45	1.4	-0.95	0.08	53.8	-1.50	0.33	7.4	-1.57	0.24	
QQF7K3	51.0	-0.99		32.0	-0.78		2.0	-0.42		66.0	-0.74		8.7	-1.18	0.78	
TH9FT9	95.3	1.07	0.55	44.3	-0.02	0.28	2.0	-0.41	0.48	81.7	0.23	0.40	13.2	0.20	0.43	
TULNP9	239.0	7.76X	0.93	180.3	8.35X	0.13	1.3	-1.00	0.04	175.2	6.02X	0.68	23.6	3.35X	2.21	
UPML67	83.0	0.50	0.31	44.4	-0.02	0.33	3.1	0.59	1.03	74.8	-0.20	1.65	11.1	-0.44	0.89	
UTA9V9	107.3	1.63	1.52	66.5	1.35	0.99	2.9	0.38	0.92	101.9	1.48	0.52	17.1	1.40	1.66	
VELMNJ	74.3	0.09	0.69	44.5	-0.01	0.41	2.5	0.02	1.18	90.4	0.76	0.68	14.3	0.54	1.99	
VT3KRY	58.5	-0.64	0.07	44.5	-0.01	0.09	3.9	1.31	0.36	49.4	-1.77	0.21	12.3	-0.07	0.51	
VUW7MC	70.0	-0.11	0.46	47.3	0.16	0.25	1.8	-0.56	0.11	78.0	0.00	0.06	11.5	-0.32	0.56	
WFADBA	101.9	1.38	0.58	48.7	0.25	0.50	1.9	-0.48	0.51	96.5	1.14	0.61	11.7	-0.27	0.41	
WTZ9M4	77.1	0.22	2.49	59.9	0.94	4.24	5.2	2.44	1.18	76.5	-0.10	2.31	13.4	0.26	2.40	
YAJLEZ	72.9	0.03	0.77	47.6	0.18	1.19	2.1	-0.31	0.28	80.0	0.12	1.11	12.8	0.07	0.36	
YMJMR2	81.7	0.43	0.29	48.2	0.22	0.13	2.5	0.03	0.30	76.8	-0.08	0.16	10.8	-0.52	0.37	
ZBNVHH	64.3	-0.37	1.13	60.3	0.97	1.34	2.5	0.06	0.51	74.0	-0.25	0.38	13.7	0.34	0.78	

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	72.3			44.6			2.47			78.0			12.5			
Median Abs Dev	12.8			8.1			0.54			9.2			1.6			
Avg Within Lab SD	4.5			5.0			0.22			2.6			0.7			
Labs Included	40			41			41			39			40			
Labs Reporting	42			42			42			42			42			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/kg

WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7TM4ZN	0.34	0.70	1.10	0.40	-0.11	0.86	1.36	0.36	0.13	1.62	0.46	0.32	1.85	0.21	0.11
7VADEV	0.18	-0.91	0.27	0.30	-1.03	0.28	1.19	-0.46	0.16	1.41	-0.28	0.96	1.65	-0.49	1.04
84XV4N	0.20	-0.68	0.00	0.33	-0.75	1.98	1.07	-1.09	1.26	1.27	-0.79	1.62	1.37	-1.45	2.88
8R74JK	0.43	1.67	2.53	0.53	1.08	1.98	1.33	0.24	1.26	1.60	0.37	0.00	1.63	-0.54	1.09
9EFP3N	0.23	-0.34	0.25	0.44	0.23	0.34	1.43	0.71	0.25	1.49	-0.02	0.59	1.88	0.29	0.89
A2BQTW	0.32	0.56	2.04	0.53	1.10	0.55	1.23	-0.27	0.14	1.27	-0.80	0.87	1.61	-0.61	0.25
A76LRH	0.28	0.08	0.92	0.41	-0.02	0.52	1.02	-1.32	0.00	0.94	-1.94	0.28	1.35	-1.50	0.38
AJ99HR	0.19	-0.73	0.34	0.35	-0.57	0.29	1.07	-1.06	0.21	1.18	-1.10	0.24	1.68	-0.36	0.36
AQB6JC	0.30	0.33	0.00	0.50	0.78		1.20	-0.43	0.00	1.30	-0.68	0.00	1.50	-0.99	
AZBTC9	0.50	2.34		0.49	0.72	1.21	1.33	0.22	0.95	1.52	0.09	1.29	1.77	-0.07	0.65
B3WWLR	0.09	-1.75	0.12	0.30	-1.03	0.40	1.27	-0.09	0.13	1.67	0.62	0.56	1.96	0.58	0.19
BEQDBT	0.21	-0.54	0.62	0.52	1.00	0.84	1.56	1.38	0.69	1.97	1.66	1.24	2.29	1.71	0.56
C4MDGL	0.26	-0.08	0.11	0.42	0.01	0.12	1.25	-0.20	0.23	1.22	-0.96	0.40	1.82	0.09	1.11
CBQEHF	0.26	-0.11	0.94	0.43	0.11	2.09	1.30	0.06	0.90	1.61	0.42	1.63	1.91	0.41	1.86
D8M7NP	0.33	0.63	0.62	0.51	0.82	0.24	1.47	0.90	2.31	1.65	0.55	1.99	1.90	0.37	2.13
E72W78	0.28	0.09	0.25	0.51	0.87	0.34	1.23	-0.26	0.13	1.46	-0.12	0.49	1.66	-0.45	0.19
EXBBZA	0.39	1.27	1.34	0.59	1.63	0.52	1.49	1.04	0.25	1.81	1.12	1.14	2.04	0.86	1.57
F8V6RW	0.30	0.37	0.47	0.51	0.88	1.03	1.42	0.68	0.50	1.67	0.61	0.91	1.93	0.46	0.96
GDGCVM	0.40	1.30	0.67	0.60	1.67	0.52	1.44	0.79	0.98	1.71	0.75	0.16	2.09	1.03	0.39
GH7WTB	0.20	-0.66	0.17	0.32	-0.91	0.11	1.14	-0.72	0.23	1.35	-0.52	0.58	1.65	-0.49	0.34
HPK369	0.35	0.79	0.88	0.62	1.88	0.40	1.54	1.26	0.70	1.90	1.41	0.92	2.09	1.00	0.88
J4ZF4L	0.21	-0.59	0.48	0.37	-0.40	2.38	1.23	-0.29	3.30	1.49	-0.02	2.11	1.70	-0.31	0.38
JR9NJG	0.33	0.66	0.74	0.54	1.15	0.34	1.39	0.54	0.26	1.63	0.49	1.22	1.94	0.51	0.06
KLXV4C	0.89	6.27X	52.32	0.38	-0.35	1.21	1.09	-0.99	0.55	1.38	-0.39	0.86	1.57	-0.76	0.85
LHWBEJ	0.43	1.67	2.53	0.30	-1.06	0.00	1.00	-1.42		1.07	-1.49	1.62	1.43	-1.22	1.09
M7X23U	0.33	0.66	2.53	0.57	1.39	1.98	1.47	0.91	1.26	1.87	1.31	1.62	2.17	1.28	1.09



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M8W3B7	0.23	-0.38	0.44	0.35	-0.57	0.52	1.05	-1.16	0.55	1.28	-0.76	0.99	1.53	-0.88	0.29	
MC2YV7	0.29	0.22	0.84	0.41	-0.04	0.66	0.99	-1.48	0.43	1.20	-1.03	0.00	1.53	-0.88	1.09	
QQF7K3	0.18	-0.91	0.25	0.32	-0.87	0.00	1.30	0.07	0.00	1.40	-0.33	0.28	1.71	-0.29	0.29	
TH9FT9	0.28	0.16	0.67	0.40	-0.11	0.20	1.36	0.37	0.87	1.28	-0.76	0.43	1.80	0.04	0.39	
TULNP9	0.29	0.22	0.09	0.89	4.31X	0.75	2.15	4.31X	0.93	2.85	4.74X	0.91	3.21	4.82X	0.44	
UPML67	0.29	0.23	0.44	0.40	-0.11	0.40	1.23	-0.26	0.91	1.28	-0.76	0.90	1.87	0.27	0.82	
UTA9V9	0.04	-2.27	0.92	0.34	-0.67	1.11	1.55	1.34	0.34	1.90	1.43	1.27	2.22	1.45	0.04	
VELMNJ	0.22	-0.48	0.59	0.38	-0.33	0.40	1.33	0.23	0.79	1.57	0.28	0.27	1.83	0.12	1.98	
VT3KRY	0.25	-0.19	0.40	0.42	0.06	0.12	0.99	-1.48	0.24	1.09	-1.42	0.25	1.30	-1.67	0.13	
VUW7MC	0.19	-0.79	0.16	0.38	-0.30	0.50	1.27	-0.06	0.63	1.57	0.27	0.74	1.92	0.44	0.00	
WFADBA	0.21	-0.55	0.51	0.35	-0.57	0.40	1.17	-0.59	1.33	1.50	0.02	1.13	1.37	-1.45	0.39	
WTZ9M4	0.28	0.16	1.77	0.53	1.08	2.41	1.45	0.84	1.57	1.54	0.16	0.28	1.97	0.60	0.71	
YAJLEZ	0.22	-0.48	1.06	0.41	-0.01	0.75	1.15	-0.68	0.32	1.47	-0.08	0.90	1.69	-0.34	0.43	
YMJMR2	0.23	-0.34	0.10	0.48	0.62	0.12	1.32	0.16	1.04	1.62	0.45	0.37	1.78	-0.04	1.20	
ZBNVHH	0.26	-0.11	0.25	0.43	0.11	0.79	1.40	0.57	2.18	1.57	0.26	1.62	1.93	0.48	1.09	

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	0.27			0.42			1.29			1.49			1.79			
Median Abs Dev	0.05			0.08			0.13			0.17			0.15			
Avg Within Lab SD	0.02			0.03			0.05			0.04			0.05			
Labs Included	40			40			40			40			40			
Labs Reporting	41			41			41			41			41			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
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
D8M7NP	1.76		1.00	2.52		1.00	0.32		1.00	2.57		1.00	7.48		1.00
Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	1.76			2.52			0.32			2.57			7.48		
Median Abs Dev															
Avg Within Lab SD	0.69			0.13			0.01			0.28			0.64		
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

CI - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups															Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
9EFP3N	7.2	0.00	0.42	7.7	-2.42	0.43	0.8	-0.69	0.43	1.7	-0.86	0.42	9.5	-0.71			
AJ99HR	4.6	-1.42	0.20	5.8	-3.67X	0.15	3.8	0.56	0.05	4.5	0.59	0.08	5.4	-3.61X	0.22		
CBQEHF	5.5	-0.93	0.51	9.1	-1.42	0.63	1.4	-0.46	1.11	2.1	-0.66	0.60	10.6	0.03	0.87		
EWWM24	9.3	1.16	1.04	11.8	0.37	0.45	5.9	1.47	0.39	6.5	1.57	0.50	12.9	1.70	0.25		
EXBBZA	6.8	-0.20	0.76	10.5	-0.48	0.67							10.4	-0.10	0.54		
LHWBEJ	9.6	1.35	0.28	11.4	0.12	0.25	4.1	0.69	0.14	2.9	-0.23	0.22	10.5	-0.03	0.48		
QQF7K3	6.8	-0.22	0.22	11.2	-0.06	0.31	1.1	-0.57	0.09	2.2	-0.61	0.08	11.3	0.53	0.33		
WTZ9M4	8.1	0.50	2.57	11.9	0.46	2.42	3.5	0.46	2.52	4.6	0.63	2.67	13.1	1.80	2.31		
ZBNVHH	7.7	0.29	0.38	11.3	0.06	0.86	1.3	-0.51	0.17	3.8	0.23	0.17	9.8	-0.48	0.45		

CI - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups															Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Grand Median	7.17			11.3			2.46			3.37			10.5			
Median Abs Dev	0.90			0.6			1.32			1.23			0.7				
Avg Within Lab SD	0.69			0.7			0.68			0.69			0.5				
Labs Included	9			8			8			8			8				
Labs Reporting	9			9			8			8			9				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2YMP6V	0.21	0.03	0.17	0.37	0.13	0.19	0.29	-0.60	0.54	0.68	-0.50	0.24	1.04	0.95	0.93	
8R74JK	0.20	-0.03	3.03	0.17	-0.79	1.93	0.10	-1.30	0.00	0.40	-0.96	1.41	0.27	-0.93	1.34	
A2BQTW	0.09	-0.94	0.08	0.18	-0.72	0.40	0.18	-1.00	0.25	0.37	-1.01	0.98	0.31	-0.81	0.38	
AJ99HR	0.25	0.43	0.09	0.29	-0.24	0.10	0.41	-0.17	0.92	0.54	-0.73	0.15	0.45	-0.48	0.48	
AYEFNG	0.30	0.79	0.69	0.54	0.93	0.86	0.66	0.76	1.33	1.38	0.63	1.17	0.84	0.46	0.74	
C4NC99	0.10	-0.88	0.00	0.23	-0.48	1.93	0.30	-0.57	0.00	0.83	-0.26	0.81	0.53	-0.28	1.34	
CBQEHF	0.13	-0.60	1.98	0.27	-0.31	2.12	0.57	0.43	3.54	1.01	0.02	2.25	0.55	-0.22	3.00	
D8M7NP	0.07	-1.18	0.21	0.09	-1.16	0.71	0.09	-1.34	0.00	0.18	-1.32	0.70	0.16	-1.20	0.82	
EY6WWL	0.27	0.54	0.92	0.47	0.59	1.02	0.27	-0.66	0.63	1.17	0.28	0.59	0.75	0.26	0.27	
F6MUXE	0.24	0.31	0.30	0.40	0.27	0.52	0.45	0.00	0.14	0.99	0.00	0.25	0.70	0.12	0.36	
F8V6RW	0.26	0.50	0.92	0.42	0.36	0.18	0.57	0.45	0.72	1.24	0.40	0.98	0.68	0.07	0.61	
JJDV6W	0.28	0.62	0.32	0.56	1.01	0.59	0.77	1.18	0.24	1.65	1.06	0.37	1.30	1.60	0.49	
JR9NJG	0.06	-1.24	0.25	0.11	-1.02	0.17	0.22	-0.87	0.12	0.54	-0.73	0.13	0.31	-0.83	0.36	
M7X23U	0.25	0.40	1.51	0.46	0.55	1.77	0.69	0.86	0.63	1.60	0.98	2.44	0.86	0.52	1.60	
TH9FT9	0.15	-0.48	0.17	0.16	-0.80	0.19	0.45	0.00	0.68	0.39	-0.97	0.08	0.33	-0.77	0.23	
TULNP9	0.40	1.71	0.24	0.79	2.05	0.23	0.82	1.36	0.26	1.78	1.27	0.04	1.51	2.11	0.12	
VELMNJ	0.17	-0.25	0.09	0.34	0.00	0.66	0.46	0.04	1.18	1.14	0.24	0.34	0.65	0.00	0.31	
VT3KRY	0.06	-1.21	0.04	0.13	-0.97	0.08	0.14	-1.16	0.29	0.37	-1.01	0.02	0.29	-0.87	0.28	
YYBDAK				0.43	0.43	0.46	0.47	0.07	0.30	1.27	0.46	0.88	0.78	0.32	0.46	

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups					Data units: mg/kg	
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	0.20	0.34	0.45	0.99	0.65	
Median Abs Dev	0.07	0.13	0.18	0.45	0.21	
Avg Within Lab SD	0.03	0.03	0.04	0.07	0.04	
Labs Included	18	19	19	19	19	
Labs Reporting	18	19	19	19	19	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups													Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7VADEV	0.08	-0.21	0.14	0.11	0.00	0.34	0.49	0.11	0.08	0.45	0.06	0.73	0.33	-0.32	0.54
84XV4N	0.11	0.10	1.41	0.07	-0.46	0.33	0.37	-1.10	0.59	0.45	0.05	1.10	0.23	-1.95	0.67
9EFP3N	0.22	1.17	1.87	0.30	2.00	2.31	0.62	1.36	0.45	0.58	0.93	1.57	0.44	1.46	1.16
AZBTC9	0.09	-0.10	0.71	0.11	0.00	0.99	0.57	0.93	1.80	0.49	0.34	0.44	0.38	0.48	1.78
C4MDGL	0.14	0.34	0.52	0.11	-0.05	1.02	0.45	-0.32	0.38	0.37	-0.46	1.38	0.35	0.00	0.69
GH7WTB	0.05	-0.49	0.46	0.06	-0.59	1.27	0.41	-0.64	0.53	0.20	-1.56	0.90	0.31	-0.60	0.25
KLXV4C	0.07	-0.29	0.71	0.08	-0.32	0.57	0.36	-1.19	0.59	0.21	-1.52	1.65	0.30	-0.76	2.05
LHWBEJ	0.30	1.94	0.00	0.30	2.03	0.00	0.50	0.21		0.60	1.06	0.00	0.40	0.81	0.00
M8W3B7	0.25	1.49	0.41	0.22	1.14	0.33	0.45	-0.25	0.22	0.59	1.00	1.15	0.36	0.11	0.78
MC2YV7	0.02	-0.79	0.00	0.05	-0.61	0.33	0.32	-1.51	0.40	0.28	-1.02	0.28	0.26	-1.49	0.61
QQF7K3	0.02	-0.78	0.00	0.06	-0.57	0.33	0.48	-0.02	0.22	0.37	-0.43	0.25	0.33	-0.33	0.00
UPML67	0.18	0.74	1.78	0.17	0.68	1.19	0.48	0.02	0.78	0.43	-0.05	1.15	0.35	0.00	0.67
WTZ9M4	0.06	-0.39	1.87	0.11	0.00	1.14	0.56	0.80	2.17	0.40	-0.25	1.15	0.36	0.11	1.55
ZBNVHH	0.16	0.62	0.41	0.20	1.00	1.19	0.58	1.00	1.70	0.55	0.71	0.25	0.41	1.03	0.39

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups													Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	0.10			0.11			0.48			0.44			0.35		
Median Abs Dev	0.06			0.05			0.07			0.09			0.03		
Avg Within Lab SD	0.01			0.02			0.03			0.02			0.01		
Labs Included	14			14			14			14			14		
Labs Reporting	14			14			14			14			14		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7TM4ZN	0.17	0.83	0.15	0.22	0.53	0.09	0.09	0.60	0.00	0.35	0.66	0.28	0.09	0.24	0.79	
B3WWLR	0.16	-0.18	0.44	0.22	0.23	0.27	0.08	-0.06	0.00	0.35	0.80	0.23	0.09	0.00	0.25	
BEQDBT	0.16	-0.18	0.00	0.17	-3.62X	3.62	0.09	1.00	0.00	0.32	-0.63	0.00	0.09	0.10	1.42	
EWWM24	0.16	-0.18	0.67	0.22	-0.22	0.24	0.09	1.44	2.49	0.33	-0.09	1.76	0.10	1.83	1.11	
F6MUXE	0.14	-2.91	0.74	0.20	-1.64	0.12	0.07	-1.96	0.47	0.32	-0.57	0.08	0.07	-1.77	0.52	
JJDV6W	0.16	0.15	2.66	0.23	1.36	1.06	0.08	0.23	0.99	0.33	-0.36	0.92	0.09	0.87	1.77	
JR9NJG	0.14	-4.04X	5.94	0.22	-0.04	3.05	0.08	-0.13	0.59	0.31	-0.98	3.04	0.09	-0.06	0.27	
JY7K3D	0.15	-1.39	1.63	0.21	-0.94	0.95	0.07	-1.15	0.23	0.33	-0.22	0.33	0.08	-0.56	0.60	
QQF7K3	0.16	0.20	0.29	0.22	0.29	0.37	0.08	0.00	0.38	0.34	0.33	0.10	0.08	-0.34	0.14	
TULNP9	0.17	1.24	0.25	0.24	1.58	0.24	0.13	6.48X	1.01	0.40	3.21	0.69	0.16	11.18X	0.86	
UPML67	0.16	-0.48	0.96	0.20	-1.20	1.07	0.08	-0.55	2.20	0.33	-0.25	0.26	0.10	2.02	2.25	
VT3KRY	0.17	0.97	0.20	0.22	0.49	0.06	0.09	1.07	0.03	0.35	0.83	0.09	0.08	-0.26	0.17	
WTZ9M4	0.16	0.00	0.96	0.22	-0.24	0.25	0.08	-0.50	0.41	0.34	0.42	0.12	0.08	-0.39	0.32	
YMJMR2	0.16	0.04	0.14	0.22	0.00	0.31	0.08	0.08	0.20	0.33	0.09	0.13	0.09	0.33	0.13	
Z6H2P8										8.61	407.27X	4.33				

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups						Data units: Percent	
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205		
Grand Median	0.16	0.22	0.082	0.33	0.086		
Median Abs Dev	0.00	0.01	0.004	0.01	0.002		
Avg Within Lab SD	0.00	0.01	0.003	0.01	0.004		
Labs Included	13	13	13	14	13		
Labs Reporting	14	14	14	15	14		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6DERVP	0.17	0.16	0.31	0.23	-0.08	0.59	0.08	-0.71	0.35	0.33	-0.78	0.24	0.08	-0.48	0.25	
84XV4N	0.15	-1.43	0.83	0.19	-2.10	0.62	0.09	-0.11	0.66	0.29	-2.53	0.87	0.09	-0.07	0.50	
9EFP3N	0.19	1.86	0.73	0.26	1.61	0.55	0.10	0.53	0.35	0.33	-0.53	0.37	0.10	0.77	0.54	
A76LRH	0.17	0.54	1.05	0.24	0.72	0.00	0.09	-0.09	1.32	0.35	0.00	0.67	0.10	0.59	1.25	
BEQDBT	0.18	1.04	0.90	0.20	-1.57	0.31	0.16	4.96X	2.38	0.22	-5.26X	0.41	0.17	5.31X	1.19	
CBQEHF	0.17	0.00	0.25	0.22	-0.29	0.20	0.09	0.14	0.13	0.35	0.26	0.37	0.09	-0.15	0.14	
EAP9AJ	0.18	0.97	0.10	0.23	0.21	2.46	0.10	1.12	0.13	0.36	0.65	2.26	0.10	0.86	0.12	
ENMKF3	0.16	-0.49	0.00	0.22	-0.36	0.00	0.08	-0.37	0.00	0.35	0.10	0.00	0.09	-0.14	0.00	
ER4KZP	0.18	1.04	0.25	0.26	1.63	0.17	0.12	2.16	0.28	0.40	2.45	0.14	0.10	0.89	0.26	
EWWM24	0.17	-0.01	0.82	0.22	-0.17	0.64	0.09	0.13	2.20	0.34	-0.10	0.29	0.10	0.52	1.58	
EXBBZA	0.16	-0.40	0.28	0.21	-0.89	1.36	0.08	-0.48	0.60	0.33	-0.53	0.89	0.08	-0.44	0.22	
EY6WWL	0.16	-0.71	0.18	0.21	-0.74	0.16	0.06	-1.69	0.35	0.29	-2.33	0.84	0.07	-1.10	0.37	
F6MUXE	0.16	-0.11	2.61	0.23	0.00	0.21	0.08	-0.33	0.58	0.35	0.00	0.34	0.09	-0.12	0.31	
JJDV6W	0.17	0.32	1.34	0.24	0.76	0.67	0.09	0.14	0.82	0.33	-0.85	1.24	0.10	0.53	1.47	
JY7K3D	0.19	1.98	0.64	0.24	0.74	1.72	0.11	1.78	1.14	0.35	0.28	0.24	0.12	2.04	0.33	
LHWBEJ	0.16	-0.68	0.28	0.22	-0.47	0.14	0.07	-1.26	1.08	0.35	0.03	0.52	0.07	-1.21	0.33	
M8W3B7	0.16	-0.08	2.73	0.22	-0.36	2.00	0.07	-1.10	3.14	0.33	-0.53	2.99	0.09	0.07	2.68	
MC2YV7	0.17	0.22	0.36	0.24	0.84	0.94	0.08	-0.48	0.40	0.35	0.14	0.00	0.07	-1.31	1.50	
QQF7K3	0.17	-0.06	0.31	0.23	0.11	0.51	0.09	0.09	0.53	0.36	0.38	0.36	0.09	-0.09	0.97	
TKV3JB	0.16	-0.42		0.23	0.15		0.09	0.14		0.37	1.00		0.09	0.15		
V7PNDX	0.15	-1.14	0.00	0.22	-0.42	0.00	0.08	-0.55	0.00	0.33	-0.85	0.67	0.08	-0.50	0.00	
VJDRGN	0.18	1.26	1.05	0.24	0.72	1.35	0.10	0.82	0.00	0.35	0.00	0.67	0.11	1.25	1.25	
WTZ9M4	0.16	-0.59	1.21	0.21	-0.88	1.76	0.08	-0.50	0.10	0.33	-0.57	1.17	0.06	-1.71	1.87	
WWFHYL	0.17	0.64	0.28	0.24	0.62	0.08	0.10	0.80	0.48	0.37	0.88	0.37	0.10	0.50	0.25	
YAJLEZ	0.18	0.69	0.69	0.23	0.42	0.95	0.10	0.67	1.05	0.36	0.40	1.13	0.10	0.69	0.25	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	0.17	0.23	0.088	0.35	0.088	
Median Abs Dev	0.01	0.01	0.007	0.01	0.008	
Avg Within Lab SD	0.01	0.01	0.004	0.01	0.005	
Labs Included	25	25	24	24	24	
Labs Reporting	25	25	25	25	25	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups															Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
4QR9RB	2.40	4.32X		2.80	2.68		1.45	4.88X		4.20	0.75		1.20	3.97X			
6DERVP	1.94	0.16	0.71	2.36	-0.08	0.49	0.75	-0.44	0.71	3.85	-0.24	0.09	0.85	-0.80	0.41		
84XV4N	1.99	0.58	2.08	2.47	0.58	1.32	0.85	0.36	0.81	3.22	-2.02	4.32	0.91	0.05	1.46		
BEQDBT	2.12	1.77	0.61	2.63	1.61	1.40	0.74	-0.50	3.12	4.83	2.54	0.31	0.99	1.03	2.83		
CBQEHF	1.94	0.21	0.45	2.38	0.00	0.19	0.68	-0.95	0.09	4.08	0.42	0.02	0.91	-0.06	0.15		
E72W78	2.09	1.55	0.29	2.73	2.24	0.40	0.93	0.92	0.31	4.50	1.59	0.19	0.98	0.91	0.82		
EAP9AJ	2.57	5.82X	0.58	3.29	5.80X	0.59	0.94	1.05	0.27	6.01	5.87X	0.21	1.01	1.42	0.44		
ENMKF3	1.83	-0.82	0.00	2.28	-0.62	0.00	0.86	0.40	0.00	3.91	-0.08	0.00	0.92	0.11	0.00		
ER4KZP	2.00	0.68	1.68	2.47	0.59	0.78	0.84	0.23	1.78	4.38	1.26	0.08	0.88	-0.35	0.96		
EWWM24	1.96	0.35	0.05	2.36	-0.10	1.07	0.97	1.27	0.30	3.89	-0.11	0.11	1.00	1.24	0.73		
EXBBZA	1.93	0.10	0.76	2.38	0.05	0.82	0.64	-1.25	0.34	3.96	0.07	0.07	0.92	0.19	0.30		
EY6WWL	1.83	-0.80	0.76	2.25	-0.81	0.48	0.67	-1.03	0.53	3.15	-2.22	0.17	0.82	-1.28	0.33		
F6MUXE	1.86	-0.56	0.87	2.33	-0.31	1.17	0.78	-0.17	0.31	3.93	-0.01	0.11	0.85	-0.87	0.16		
JJDV6W	1.93	0.09	0.15	2.53	1.00	0.52	0.81	0.00	0.29	4.01	0.21	0.08	0.94	0.39	1.06		
JY7K3D	1.86	-0.58	1.89	2.30	-0.46	0.69	0.80	-0.03	1.15	3.94	0.00	0.24	0.87	-0.59	1.11		
M7X23U	1.91	-0.09	0.61	2.37	-0.03	1.68	0.84	0.24	0.63	4.05	0.33	0.10	0.90	-0.10	0.84		
M8W3B7	1.87	-0.44	1.26	2.39	0.07	2.49	0.84	0.29	1.10	3.89	-0.14	0.08	0.91	0.00	1.31		
MC2YV7	2.04	1.08	0.29	2.48	0.69	0.08	0.90	0.72	0.35	4.19	0.72	0.05	0.92	0.08	0.25		
QQF7K3	1.66	-2.36	0.22	2.12	-1.60	0.59	0.66	-1.10	0.71	3.71	-0.65	0.07	0.72	-2.63	1.07		
TKV3JB	1.86	-0.56		2.39	0.09		0.61	-1.48		3.93	-0.01		0.82	-1.23			
VJDRGN	1.88	-0.38	1.73	2.31	-0.39	0.82	0.62	-1.38	1.10	3.79	-0.40	0.05	0.95	0.55	1.03		
WWFHYL	1.89	-0.32	0.29	2.35	-0.16	0.23	0.85	0.36	0.52	4.07	0.37	0.10	0.89	-0.30	0.30		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	1.92	2.38	0.81	3.94	0.91	
Median Abs Dev	0.06	0.07	0.07	0.13	0.04	
Avg Within Lab SD	0.02	0.04	0.02	0.40	0.04	
Labs Included	20	21	21	21	21	
Labs Reporting	22	22	22	22	22	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7KBMVA	3.86	0.74	0.26	4.02	-0.08	0.30	1.23	0.16	0.47	6.92	0.12	0.20	1.69	0.12	0.44	
7TM4ZN	4.13	1.16	0.18	4.92	1.59	0.19	1.61	1.94	0.07	7.88	0.82	0.10	2.26	1.66	0.05	
84XV4N	3.70	0.50	1.17	4.43	0.69	3.33	1.10	-0.45	0.00	7.00	0.17	1.72	1.67	0.07	0.47	
8R74JK	2.13	-1.95	0.67	2.27	-3.36X	0.43	1.00	-0.92		3.77	-2.18	0.28	1.40	-0.65	0.00	
9EFP3N	3.53	0.24	0.34	4.47	0.75	1.13	1.33	0.64	1.80	6.77	0.00	0.28	1.63	-0.02	0.47	
A2BQTW	3.40	0.03	3.24	3.91	-0.29	0.27	1.19	-0.03	0.74	4.24	-1.84	0.97	2.23	1.58	1.12	
AQB6JC	3.23	-0.24	0.27	4.13	0.13	0.04	1.20	0.03	0.34	6.28	-0.35	0.10	1.61	-0.09	0.05	
B3WWLR	3.36	-0.03	0.10	4.06	-0.02	0.33	1.08	-0.56	0.14	6.76	0.00	0.03	1.56	-0.23	0.20	
BEQDBT	3.91	0.82	0.85	4.63	1.06	0.77	1.31	0.51	0.07	8.08	0.96	3.09	2.00	0.96	3.15	
D8M7NP	3.19	-0.29	2.43	4.14	0.13	0.41	1.04	-0.73	3.06	6.82	0.04	0.31	1.65	0.01	2.35	
EWWM24	3.09	-0.46	0.26	4.01	-0.10	0.30	0.88	-1.49	0.25	6.77	0.01	0.07	1.37	-0.73	0.49	
F6MUXE	3.35	-0.06	0.13	4.06	0.00	0.22	1.08	-0.55	0.24	6.74	-0.02	0.15	1.56	-0.23	0.22	
F6PGC8	2.80	-0.90	0.35	3.84	-0.42	1.07	1.21	0.05	0.59	5.35	-1.03	0.29	2.61	2.60	1.23	
F8V6RW	1.96	-2.21	0.38	2.42	-3.07	0.33	0.90	-1.38	0.12	4.48	-1.66	0.74	1.15	-1.32	0.72	
JR9NJG	4.96	2.47	1.08	6.50	4.55X	4.77	1.39	0.90	1.47	8.61	1.35	3.05	2.35	1.92	1.65	
JY7K3D	3.08	-0.47	0.77	3.61	-0.86	0.49	0.76	-2.02	1.47	6.11	-0.48	0.27	1.25	-1.07	0.67	
KLXV4C	3.10	-0.44	0.59	3.47	-1.11	1.30	1.32	0.59	0.71	5.95	-0.59	0.82	1.65	0.01	0.57	
QQF7K3	3.94	0.87	1.77	4.55	0.91	1.67	1.28	0.39	1.89	7.34	0.42	1.03	1.83	0.50	0.69	
TULNP9	4.16	1.22	0.09	4.48	0.78	1.72	1.32	0.58	0.34	4.57	-1.60	0.35	6.26	12.43X	0.87	
UTA9V9	3.82	0.68	0.31	4.73	1.24	0.41	1.31	0.52	0.29	7.85	0.79	0.06	1.69	0.12	0.39	
VT3KRY	3.38	0.00	0.11	3.86	-0.38	0.37	1.37	0.80	0.19	6.73	-0.02	0.07	1.40	-0.66	0.09	
VUW7MC	3.36	-0.04	0.19	4.01	-0.11	0.28	1.11	-0.39	0.38	5.27	-1.09	0.08	1.49	-0.42	0.12	
WFADBA	3.33	-0.08	0.06	4.06	-0.02	0.23	1.15	-0.20	0.14	5.29	-1.07	0.37	1.64	-0.01	0.17	
WWFHLY	3.84	0.72	0.00	4.89	1.54	0.13	2.00	3.73X	0.07	7.20	0.32	0.06	2.02	1.01	0.12	
YMJMR2	3.53	0.24	0.05	4.20	0.25	0.13	1.12	-0.36	0.46	6.84	0.06	0.21	1.57	-0.20	0.29	
Z6H2P8										7.50	0.54	0.25				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	3.38	4.06	1.20	6.76	1.64	
Median Abs Dev	0.30	0.22	0.12	0.70	0.17	
Avg Within Lab SD	0.17	0.14	0.08	0.21	0.12	
Labs Included	25	23	24	26	24	
Labs Reporting	25	25	25	26	25	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	3.90	-0.09	0.00	4.67	0.04	0.53	2.43	-0.13	0.41	6.23	-1.20	0.37	1.83	-1.05	0.82	
4QR9RB	4.10	0.87	0.00	4.80	0.51	0.00	2.47	-0.06	0.41	7.17	0.52	0.19	2.08	0.53	0.41	
6DERVP	4.17	1.19	2.77	4.87	0.75	2.11	2.67	0.35	1.48	7.23	0.65	2.70	2.10	0.63	1.42	
6YJ2J2	3.51	-1.95	0.45	4.17	-1.74	0.14	1.99	-1.04	0.25	5.97	-1.70	0.86	1.81	-1.18	1.83	
84ZKA7	3.99	0.36	0.38	4.83	0.60	0.35	2.49	0.00	0.15	7.39	0.94	0.21	2.07	0.46	0.36	
8L3X9N	20.05	77.44X	0.09	4.62	-0.13	0.09	2.55	0.11	0.07	6.80	-0.15	0.04	2.03	0.17	0.08	
9EFP3N	3.97	0.23	0.52	4.83	0.63	0.53	2.43	-0.13	0.41	7.03	0.28	0.37	2.03	0.21	0.82	
A2BQTW	4.31	1.86	0.21	5.53	3.09X	0.03	2.98	0.99	0.02	8.08	2.21	0.25	2.98	6.19X	0.79	
AJ99HR	4.24	1.55	0.52	5.23	2.03	0.36	2.23	-0.54	0.63	7.73	1.57	0.32	2.22	1.38	0.83	
AZBTC9	3.90	-0.09	0.00	4.73	0.27	0.53	2.57	0.15	0.41	6.83	-0.09	0.37	1.93	-0.42	0.82	
B7UHBA	3.60	-1.53	0.00	4.40	-0.91	0.00	1.83	-1.35	0.41	6.80	-0.15	0.00	1.67	-2.11	0.82	
BDXF3L	3.39	-2.54		4.03	-2.23		3.26	1.57		5.93	-1.76		1.89	-0.70		
C3RYLF	3.32	-2.86	0.28	4.03	-2.23	2.17	1.89	-1.23	0.52	8.64	3.25X	0.55	1.63	-2.36	0.22	
C4MDGL	3.91	-0.04	0.65	4.63	-0.08	0.29	2.08	-0.85	0.44	6.85	-0.06	0.14	1.88	-0.76	0.49	
CBQEHF	3.97	0.23	1.14	4.67	0.04	2.06	2.17	-0.66	1.46	6.81	-0.14	1.96	1.98	-0.13	2.16	
CKTJNA	4.11	0.93	0.07	4.82	0.59	0.05	2.24	-0.53	0.98	6.98	0.18	0.29	2.04	0.23	0.01	
ENMKF3	3.93	0.07	0.00	4.62	-0.12	0.00	2.20	-0.60	0.00	6.73	-0.29	0.00	1.94	-0.40	0.00	
EWWM24	3.90	-0.09	0.91	4.53	-0.44	0.53	3.27	1.58	0.41	6.87	-0.03	0.37	2.00	0.00		
F8V6RW	4.15	1.12	0.43	5.05	1.39	0.29	2.49	-0.01	0.64	7.47	1.08	1.63	2.20	1.26	0.38	
GDGCVM	3.89	-0.16	0.38	4.65	-0.04	0.14	3.41	1.87	0.57	7.12	0.43	0.10	2.03	0.19	0.25	
GH7WTB	4.00	0.38	0.07	4.76	0.37	0.14	2.79	0.61	0.03	7.12	0.43	0.03	2.16	1.01	0.12	
HPK369	3.87	-0.25	0.13	4.42	-0.85	0.21	2.50	0.00	0.18	6.47	-0.76	0.28	1.82	-1.16	0.25	
HTPNZL	3.88	-0.17	0.23	4.64	-0.06	1.02	2.92	0.88	1.14	6.80	-0.15	0.76	2.24	1.52	1.56	
JEJRHJ	3.91	-0.03	0.28	4.64	-0.07	0.67	2.49	-0.01	0.85	7.00	0.21	0.60	1.90	-0.61	0.33	
JJDV6W	3.89	-0.13	0.10	4.67	0.05	0.33	2.23	-0.54	0.33	6.90	0.03	0.12	2.03	0.16	0.26	
JY7K3D	4.05	0.63	0.22	4.74	0.31	0.28	2.68	0.39	1.81	8.06	2.17	0.75	2.20	1.29	0.07	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
LHWBEJ	3.87	-0.22	0.19	4.56	-0.33	0.73	2.29	-0.41	0.39	6.52	-0.67	0.64	1.95	-0.29	0.22	
LYGYPD	4.07	0.71	4.75	4.65	-0.04	3.55	3.36	1.76	3.58	7.18	0.55	4.03	2.13	0.80	2.17	
M2ZFDC	3.79	-0.62	0.09	4.29	-1.30	0.18	3.65	2.36	0.07	7.19	0.57	0.10	1.85	-0.97	0.22	
M7X23U	4.07	0.73	1.35	4.88	0.80	2.42	3.81	2.69	3.15	7.51	1.15	1.31	1.95	-0.29	2.78	
R6PEXC	3.54	-1.84	0.64	4.07	-2.10	0.78	2.83	0.69	1.61	6.18	-1.30	1.64	1.84	-0.99	1.83	
TB94QK	3.92	0.00	0.18	4.84	0.66	0.26	2.53	0.07	0.03	7.31	0.79	0.10	2.05	0.34	0.06	
TF7K6Y	3.87	-0.25	0.52	4.57	-0.32	0.53	2.20	-0.60	0.00	6.63	-0.46	0.37	1.90	-0.63	0.00	
TH9FT9	3.95	0.13	0.37	4.59	-0.23	0.11	2.55	0.12	0.42	6.70	-0.34	0.06	1.96	-0.27	0.41	
TULNP9	7.94	19.32X	31.61	4.98	1.14	0.12	0.94	-3.18X	0.20	7.57	1.27	0.48	2.99	6.28X	0.24	
UPML67	3.97	0.23	1.05	4.77	0.42	1.20	2.81	0.64	0.46	6.97	0.15	0.14	1.97	-0.19	0.75	
V7PNDX	3.96	0.21	0.14	4.63	-0.09	0.16	2.57	0.15	0.07	6.77	-0.20	0.04	1.96	-0.25	0.14	
VELMNJ	3.90	-0.09	0.00	4.63	-0.08	0.53	2.43	-0.13	0.41	6.77	-0.22	0.75	2.00	0.00		
WTZ9M4	3.78	-0.68	0.47	4.73	0.25	0.69	1.87	-1.28	0.66	6.81	-0.14	0.84	2.08	0.48	1.71	
XGZU84	4.20	1.35	0.00	5.10	1.58	0.00	2.63	0.28	0.41	7.57	1.26	0.37	2.17	1.05	0.82	
YAJLEZ	4.03	0.53	0.71	5.08	1.49	0.28	2.34	-0.31	0.42	7.34	0.84	0.45	2.15	0.94	0.15	
YRYW3K	3.85	-0.33	0.27	4.42	-0.85	1.04	2.52	0.05	0.53	6.43	-0.84	0.85	2.00	0.02	0.36	
ZBNVHH	4.00	0.39		4.70	0.15	0.92	2.20	-0.60	0.71	6.67	-0.40	0.37	1.97	-0.21	0.82	

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups						Data units: Percent
	SRS2201	SRS2202	SRS2203	SRS2204	SRS2205	
Grand Median	3.92	4.66	2.49	6.88	2.00	
Median Abs Dev	0.07	0.12	0.26	0.27	0.08	
Avg Within Lab SD	0.11	0.11	0.14	0.15	0.07	
Labs Included	41	42	42	42	41	
Labs Reporting	43	43	43	43	43	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups														Data units: %		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
EXBBZA	4.30		1.31	5.43		1.41	5.13		1.26	8.60		1.41	2.40		1.36	
TH9FT9	3.59		0.53	4.15		0.14	2.34		0.64	6.03		0.14	1.81		0.39	
SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups														Data units: %		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	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		3.94			4.79			3.74			7.32			2.10		
Median Abs Dev																
Avg Within Lab SD		0.08			0.08			0.09			0.07			0.07		
Labs Included		2			2			2			2			2		
Labs Reporting		2			2			2			2			2		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

CaCO3 Content (SubTestCode 185) in the Content Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
9EFP3N	0.23		0.90	0.30		0.00	1.97	0.55	0.81	0.43	-0.74	0.75	0.37		0.57	
A2BQTW				0.18		0.19	1.48	-0.64	1.85	1.23	1.50	0.18	0.35		1.61	
E72W78							1.74	0.00	0.45							
EXBBZA							1.93	0.47	0.35	0.77	0.20	0.39				
GDGCVM	0.25		1.09	0.36		1.72	1.74	-0.01	0.73	0.36	-0.93	2.06	0.30		0.28	
JEJRHJ							0.87	-2.15	1.63							
QQF7K3							2.40	1.61	0.00							
TMZPYZ							1.66	-0.21	1.10	0.70	0.00	0.07				
VT3KRY							1.92	0.43	0.44							
Z6H2P8							10.50	21.51X	1.41							

CaCO3 Content (SubTestCode 185) in the Content Property Groups						Data units: Percent				
	SRS2201		SRS2202		SRS2203		SRS2204		SRS2205	
Grand Median	0.24		0.30		1.74		0.70		0.35	
Median Abs Dev					0.19		0.26			
Avg Within Lab SD	0.06		0.14		0.07		0.08		0.10	
Labs Included	2		3		9		5		3	
Labs Reporting	2		3		10		5		3	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups														Data units: cmol/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7TM4ZN	5.92	-0.18	0.34	9.25	0.14	0.73	27.26	0.00	0.27	26.81	0.00	0.32	10.50	0.74	0.15	
84XV4N	6.23	0.00	1.09	8.30	-0.50	1.15	20.13	-0.77	0.74	22.20	-0.46	1.25	7.77	-0.26	2.75	
A2BQTW	2.13	-2.33	0.19	2.95	-4.09X	0.08	6.21	-2.28	0.15	6.35	-2.04	0.40	2.23	-2.29	0.31	
BEQDBT	4.30	-1.10	0.20	7.50	-1.03	0.06	21.25	-0.65	0.23	23.49	-0.33	0.15	6.29	-0.80	0.12	
EWWM24	6.41	0.10	0.12	9.97	0.62	0.08	29.68	0.26	0.52	28.97	0.22	0.10	8.48	0.00	0.05	
EXBBZA	7.44	0.69	0.35	10.60	1.05	0.49	31.27	0.43	0.34	31.87	0.50	1.14	9.03	0.20	0.53	
EY6WWL	6.37	0.08	2.27	8.83	-0.14	2.05	21.85	-0.59	2.49	25.45	-0.14	2.22	7.36	-0.41	0.81	
QQF7K3	7.32	0.62	0.15	11.33	1.54	0.15	35.32	0.87	0.15	38.92	1.21	0.08	10.57	0.77	0.07	
YAJLEZ	4.52	-0.97	1.52	8.49	-0.37	1.28	29.34	0.22	1.30	38.54	1.17	0.95	10.07	0.59	0.60	

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups														Data units: cmol/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	6.23			9.04			27.3			26.8			8.48			
Median Abs Dev	1.09			0.84			5.4			4.6			1.59			
Avg Within Lab SD	0.76			0.88			1.7			1.5			0.85			
Labs Included	9			8			9			9			9			
Labs Reporting	9			9			9			9			9			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups													Data units: cmol/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	4.63	-0.39	0.19	7.70	-0.33	0.19	41.00	0.71		28.00	-0.03		8.97	-0.07	0.20
7L9XPQ	4.47	-0.42	0.14	9.57	0.65	0.22	49.93	1.91	1.35	32.67	1.28	0.76	12.13	2.24	0.78
B7UHBA	7.97	0.38	2.13	9.90	0.82	0.00	40.70	0.67	0.15	26.17	-0.54	0.14	8.07	-0.72	0.20
C3RYLF	5.67	-0.15	0.40	7.93	-0.21	1.03	37.30	0.22	1.12	25.17	-0.82	1.18	8.60	-0.34	2.22
EY6WWL	11.46	1.18	0.93	11.64	1.73	0.40	24.22	-1.54	0.40	24.48	-1.02	0.25	7.29	-1.29	0.95
GDGCVM	1.73	-1.05	0.07	6.77	-0.82	0.22	32.40	-0.44	0.83	27.20	-0.25	0.24	9.00	-0.05	0.34
JJDV6W	9.39	0.70	0.17	10.81	1.30	0.13	28.41	-0.98	0.25	26.54	-0.44	0.10	9.88	0.60	0.32
JR9NJK	2.85	-0.80	0.16	8.36	0.01	0.23	34.81	-0.12	0.29	28.36	0.07	0.79	10.08	0.74	0.07
LHWBEJ	6.97	0.15	0.73	7.90	-0.22	1.14	26.97	-1.17	0.09	28.57	0.13	1.04	8.30	-0.56	0.34
TULNP9	1.20	-1.17	0.03	7.26	-0.56	0.45	65.00	3.94	0.50	36.26	2.30	0.97	9.12	0.05	1.00
UPML67	9.77	0.79	1.18	10.30	1.03	1.14	39.13	0.46	0.82	35.60	2.11	2.27	9.87	0.59	0.52
WTZ9M4	8.87	0.59	2.53	8.30	-0.01	3.11	34.50	-0.16	0.30	28.13	0.01	1.63	9.40	0.25	2.35
WWFHYL	9.43	0.71	0.03	11.09	1.45	0.11	35.69	0.00	0.14	29.61	0.43	0.33	6.52	-1.85	0.26
YAJLEZ	2.15	-0.96	0.13	7.74	-0.31	0.27	38.49	0.38	2.67	28.07	-0.01	0.57	9.23	0.12	0.51

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups													Data units: cmol/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	6.32			8.33			35.7			28.1			9.06		
Median Abs Dev	3.09			1.16			3.4			1.5			0.78		
Avg Within Lab SD	0.80			0.53			0.7			0.8			0.29		
Labs Included	14			14			13			14			14		
Labs Reporting	14			14			14			14			14		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6DERVP	1.17	0.63	0.62	1.14	0.00	1.03	1.27	0.17	0.35	1.26	0.00	1.03	1.22	-0.26	0.81	
7L9XPQ	1.08	-0.05	0.82	1.03	-0.67	0.52	1.25	-0.08	1.94	1.24	-0.13	0.30	1.17	-0.50	0.81	
C4NC99	1.09	0.00	0.36	1.16	0.10	0.52	1.27	0.13	1.05	1.33	0.58	1.19	1.40	0.62	0.67	
D8M7NP	0.96	-0.98	2.39	0.92	-1.31	0.72	1.19	-0.91	0.67	1.15	-0.84	0.93	1.11	-0.78	0.70	
JR9NJG	1.19	0.75	0.26	1.21	0.40	2.00	1.26	0.00	0.77	1.35	0.73	0.29	1.48	1.02	0.55	
LUPY7C	2.48	10.48X	0.36	2.90	10.36X	0.71	2.37	13.59X	0.35	2.37	8.75X	0.00	2.64	6.66X	0.37	
QPEHWX	1.00	-0.63	0.18	0.96	-1.06	0.94	1.20	-0.77	0.92	1.24	-0.16	1.86	1.27	0.00	2.10	
QQF7K3	1.31	1.68	0.00	1.34	1.18	0.00	1.48	2.66	0.35	1.55	2.29	0.00	1.59	1.54	0.19	

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	1.09			1.14			1.26			1.26			1.27			
Median Abs Dev	0.08			0.11			0.01			0.07			0.13			
Avg Within Lab SD	0.03			0.03			0.02			0.02			0.03			
Labs Included	7			7			7			7			7			
Labs Reporting	8			8			8			8			8			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups													Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	63.0	-0.30		39.0	-1.17		29.0	0.43		39.0	-0.38		42.0	-0.53	
6YJ2J2	65.5	0.10	0.00	45.2	-0.25	0.00	33.4	0.99	0.00	45.1	0.63	0.00	45.1	0.03	0.00
A2BQTW	64.5	-0.05	1.04	45.5	-0.21	0.69	22.2	-0.44	0.33	40.2	-0.19	0.79	42.2	-0.50	0.79
A76LRH	76.9	1.94	1.03	59.4	1.85	0.87	26.0	0.05	0.76	42.8	0.25	0.77	49.4	0.80	0.70
AYEFNG	67.0	0.35		48.3	0.21	0.79	22.3	-0.42	0.66	40.3	-0.16	0.79	44.3	-0.11	0.79
B7UHBA	72.3	1.20	0.25	58.0	1.64	0.73	33.8	1.04	0.55	48.3	1.15	0.35	54.2	1.66	0.63
BEQDBT	45.9	-3.04X	0.68	36.0	-1.61	0.77	9.1	-2.11	0.00	29.5	-1.95	0.79	28.7	-2.90X	1.36
CBQEHF	61.8	-0.48	1.90	46.8	-0.01	1.43	28.2	0.32	2.14	47.0	0.93	0.91	47.0	0.37	1.79
D8M7NP	70.5	0.92		47.1	0.02		24.8	-0.11		38.2	-0.51		49.1	0.74	
E72W78	65.0	0.03		47.1	0.03	0.48	24.2	-0.18	0.40	45.4	0.68	0.51	45.9	0.17	0.52
EAP9AJ	76.0	1.80	2.07	61.3	2.12	0.79	41.1	1.98	2.29	54.3	2.14	1.65	58.2	2.37	0.52
EY6WWL	60.9	-0.63	1.83	41.2	-0.84	0.34	20.5	-0.65	0.54	34.8	-1.08	0.23	44.0	-0.16	0.33
GDGCVM	57.8	-1.13	0.21	46.4	-0.08	0.76	19.1	-0.84	0.43	36.4	-0.81	0.63	37.1	-1.41	0.92
JJDV6W	64.0	-0.13		41.9	-0.74		25.8	0.02		39.8	-0.25		43.8	-0.20	
JR9NJJ	67.0	0.35		49.0	0.31		26.7	0.13	0.33	43.0	0.28		47.0	0.37	
LHWBEJ	71.0	0.99		51.0	0.60		29.0	0.43		49.0	1.26		51.0	1.08	
LUPY7C	56.3	-1.37	0.39	36.2	-1.58	0.30	9.8	-2.02	0.09	32.1	-1.52	0.24	38.2	-1.21	0.40
M7X23U	58.3	-1.05	0.35	44.0	-0.43		16.7	-1.15	0.66	35.3	-0.98	0.79	41.3	-0.65	0.79
MC2YV7	64.2	-0.11	0.86	41.7	-0.77	0.99	25.8	0.03	0.82	41.7	0.06	0.99	46.7	0.31	1.99
QPEHWX	65.1	0.05	0.59	50.1	0.47	2.33	25.5	-0.02	1.42	42.8	0.24	2.98	44.8	-0.03	0.83
QQF7K3	64.0	-0.13		50.0	0.45		24.0	-0.21		42.0	0.11		42.0	-0.53	
R6PEXC	65.6	0.12	0.00	53.7	1.00	0.00	25.4	-0.02	0.00	40.8	-0.09	0.00	48.8	0.69	0.00
TF7K6Y	58.6	-1.01	0.90	42.8	-0.60	2.10	16.2	-1.21	0.89	38.6	-0.45	1.07	40.8	-0.74	2.03
UPML67	69.1	0.68	0.14	48.4	0.22	1.67	34.4	1.12	2.42	43.7	0.40	1.51	49.1	0.74	0.16
V7PNDX	56.4	-1.35	1.52	39.5	-1.09	0.04	14.9	-1.37	0.48	34.9	-1.05	0.51	41.6	-0.59	0.04
VJDRGN	58.2	-1.06	0.14	38.2	-1.28	0.24	18.0	-0.97	0.97	33.6	-1.26	0.10	41.2	-0.68	0.29



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
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	
VT3KRY	70.2	0.87	0.20	49.1	0.32	0.54	30.7	0.65	0.65	41.0	-0.06	0.57	50.1	0.93	0.20	
YAJLEZ	68.0	0.51		47.0	0.01		33.0	0.94		46.0	0.77		49.0	0.73		
YYBDAK	67.5	0.43		47.5	0.09	0.86	26.7	0.13	0.41	42.9	0.26	0.99	44.2	-0.14	0.50	
Z6H2P8	58.1	-1.08	0.16										37.2	-1.38	1.35	
ZBNVHH	64.7	-0.03	1.38	45.3	-0.23	0.79	27.3	0.22	0.66	43.3	0.33	0.79	47.3	0.43	2.10	
Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	64.8			46.9			25.6			41.3			44.9			
Median Abs Dev	3.5			3.1			3.4			2.9			3.5			
Avg Within Lab SD	1.7			1.5			1.8			1.5			1.5			
Labs Included	30			30			30			30			30			
Labs Reporting	31			30			30			30			31			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups													Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	22.0	-0.57		36.0	-0.19		23.0	-1.36		26.0	-0.66		30.0	-1.02	
6YJ2J2	18.3	-1.21	0.00	26.6	-1.67	0.00	24.2	-1.22	0.00	24.4	-0.88	0.00	28.3	-1.33	0.00
A2BQTW	30.0	0.80	0.63	43.3	0.96	0.38	38.7	0.35	0.39	35.7	0.72	0.95	41.0	1.06	0.74
A76LRH	21.2	-0.70	1.14	32.5	-0.74	2.35	34.3	-0.13	0.79	35.1	0.64	0.62	34.9	-0.09	1.49
AYEFNG	23.7	-0.29	0.73	37.7	0.07	0.76	35.7	0.02	0.79	29.7	-0.14	0.72	34.3	-0.20	0.85
B7UHBA	21.0	-0.74	0.39	31.4	-0.92	0.17	29.7	-0.63	0.86	27.2	-0.49	0.61	30.9	-0.85	0.13
BEQDBT	34.9	1.64	0.72	37.2	0.00	0.74	37.5	0.23	0.77	35.3	0.66	1.43	38.3	0.55	1.46
CBQEHF	27.5	0.37	1.09	32.0	-0.82	0.33	30.5	-0.54		24.3	-0.89	1.41	31.7	-0.70	1.07
D8M7NP	23.5	-0.32		42.9	0.90		39.2	0.41		39.8	1.30		32.9	-0.46	
E72W78	25.0	-0.06		29.6	-1.20	0.46	33.7	-0.19	0.85	27.1	-0.51	0.47	34.1	-0.23	0.56
EAP9AJ	14.0	-1.94	2.18	20.7	-2.61	0.76	18.3	-1.87	2.77	19.7	-1.56	1.50	20.5	-2.81X	1.41
EY6WWL	32.1	1.15	2.08	46.4	1.45	0.17	45.0	1.04	1.03	42.4	1.68	0.17	39.2	0.71	0.47
GDGCVM	30.5	0.88	0.72	35.2	-0.32	0.26	41.9	0.70	0.83	36.9	0.89	0.71	39.2	0.72	0.30
JJDV6W	21.9	-0.59		43.9	1.05		30.0	-0.59		29.9	-0.10		33.9	-0.28	
JR9NJG	25.3	0.00	0.36	34.3	-0.45	0.38	32.3	-0.34	0.39	29.0	-0.23		32.0	-0.64	
LHWBEJ	20.0	-0.91		32.0	-0.82		52.0	1.80		30.0	-0.09		30.0	-1.02	
LUPY7C	28.5	0.54	0.40	43.3	0.96	0.66	44.9	1.03	0.47	37.0	0.90	0.40	41.1	1.08	0.17
M7X23U	28.7	0.57	1.46	34.0	-0.51		33.3	-0.23	0.79	30.0	-0.09		32.0	-0.64	
MC2YV7	23.3	-0.34	0.91	38.3	0.18	0.95	33.8	-0.19	0.85	30.0	-0.09		32.5	-0.54	1.85
QPEHWX	27.1	0.30	0.67	34.4	-0.44	2.23	38.4	0.32	1.26	32.8	0.31	2.35	35.8	0.09	0.86
QQF7K3	32.0	1.14		39.0	0.28		45.0	1.04		40.0	1.33		38.0	0.50	
R6PEXC	15.3	-1.72	0.00	6.0	-4.92X		29.8	-0.61	0.00	24.6	-0.86	0.00	22.4	-2.46	0.00
TF7K6Y	31.8	1.10	1.67	39.6	0.37	1.75	43.7	0.90	0.00	37.7	1.01	0.97	40.6	0.98	1.89
UPML67	20.0	-0.91	0.50	38.7	0.23	1.25	26.7	-0.96	1.97	30.0	-0.09	1.56	41.3	1.13	1.68
V7PNDX	29.5	0.72	1.40	41.6	0.69	0.51	42.1	0.72	0.92	35.8	0.74	0.97	39.3	0.74	0.00
VJDRGN	28.2	0.49	0.06	36.5	-0.11	0.20	51.6	1.76	0.91	46.6	2.27	0.20	36.9	0.29	0.13



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
VT3KRY	24.0	-0.23	0.17	40.1	0.46	0.47	35.2	-0.02	0.01	34.9	0.61	0.32	34.1	-0.24	0.72	
YAJLEZ	24.0	-0.23		42.0	0.75		30.0	-0.59		30.0	-0.09		36.0	0.12		
YYBDAK	26.3	0.16		39.6	0.37	1.26	35.8	0.04	0.49	31.3	0.09	0.78	37.5	0.40		
Z6H2P8	25.9	0.10	0.19										40.9	1.04	0.53	
ZBNVHH	26.3	0.17	0.73	37.0	-0.03		39.0	0.39		33.0	0.34		36.0	0.12	1.48	

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups														Data units: Percent		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	25.3			37.2			35.5			30.6			35.4			
Median Abs Dev	3.3			3.2			5.5			4.6			3.4			
Avg Within Lab SD	1.6			1.5			1.5			1.6			1.4			
Labs Included	31			29			30			30			30			
Labs Reporting	31			30			30			30			31			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
4QR9RB	15.0	0.97		25.0	1.19		48.0	1.21		35.0	1.63		28.0	1.75			
6YJ2J2	16.2	1.21	0.00	28.2	1.66	0.00	42.4	0.38	0.00	30.4	0.79	0.00	26.6	1.45	0.00		
A2BQTW	5.5	-0.87	0.93	11.2	-0.87	0.76	39.2	-0.09	0.14	24.2	-0.36	0.53	16.8	-0.69	0.49		
A76LRH	1.9	-1.58	0.52	8.1	-1.33	2.73	39.7	0.00	0.44	22.0	-0.76	1.82	15.7	-0.94	1.13		
AYEFNG	9.3	-0.13	1.07	14.0	-0.45		41.3	0.23	0.14	30.0	0.71		20.3	0.07	0.97		
B7UHBA	6.7	-0.63	0.19	10.6	-0.95	0.54	36.6	-0.47	0.15	24.5	-0.31	0.61	14.9	-1.12	0.89		
BEQDBT	19.1	1.77	0.00	26.8	1.46	0.00	53.6	2.03	0.24	35.3	1.68	1.83	33.0	2.85X	0.00		
CBQEHF	10.7	0.13	1.34	21.2	0.62	1.48	41.3	0.23	0.90	28.7	0.47	1.33	21.3	0.29	1.90		
D8M7NP	6.0	-0.78		10.0	-1.04		36.0	-0.55		22.0	-0.76		18.0	-0.44			
E72W78	10.0	0.00		23.3	0.94	0.45	42.1	0.34	0.18	27.5	0.25		20.0	0.00			
EAP9AJ	10.0	0.00		18.0	0.15		20.7	-2.80	4.45	26.0	-0.02		21.3	0.29	0.97		
EY6WWL	7.0	-0.58	0.24	12.4	-0.68	0.29	34.5	-0.78	0.21	22.8	-0.61	0.54	16.8	-0.70	0.13		
GDGCVM	11.7	0.34	0.75	18.4	0.21	0.47	39.1	-0.10	0.12	26.7	0.11	0.21	23.7	0.82	1.37		
JJDV6W	14.1	0.80		14.2	-0.42		44.2	0.65		30.3	0.77		22.3	0.50			
JR9NJG	7.7	-0.45	0.54	17.0	0.00		41.3	0.23	0.14	28.0	0.34		21.3	0.29	0.49		
LHWBEJ	9.0	-0.19		17.0	0.00		19.0	-3.05X		21.0	-0.94		19.0	-0.22			
LUPY7C	15.2	1.00	0.24	20.6	0.53	0.32	45.3	0.81	0.19	31.0	0.89	0.70	20.7	0.16	0.39		
M7X23U	13.0	0.58	1.61	22.0	0.74		50.0	1.51		34.7	1.57	1.06	26.7	1.46	0.97		
MC2YV7	12.5	0.48		20.0	0.45		40.4	0.10	0.17	28.3	0.40	1.33	20.8	0.18	1.22		
QPEHWX	7.7	-0.44	0.21	15.4	-0.24	1.02	36.2	-0.53	0.15	24.4	-0.32	0.53	19.4	-0.14	0.43		
QQF7K3	4.0	-1.16		11.0	-0.89		31.0	-1.29		18.0	-1.50		20.0	0.00			
R6PEXC	19.1	1.77	0.00	40.3	3.47X	0.00	44.7	0.73	0.00	34.6	1.56	0.00	28.8	1.94	0.00		
TF7K6Y	9.7	-0.06	2.85	17.6	0.09	1.02	40.1	0.05	0.38	23.7	-0.45	0.00	18.6	-0.30	1.22		
UPML67	10.9	0.18	0.94	12.9	-0.61	1.79	38.9	-0.12	0.72	26.3	0.02	1.89	9.6	-2.28	1.79		
V7PNDX	14.0	0.78	0.75	18.8	0.27	0.49	43.0	0.48	0.19	29.2	0.57	0.69	19.0	-0.22			
VJDRGN	13.6	0.69	0.14	25.3	1.24	0.11	30.4	-1.38	0.11	19.8	-1.16	0.16	22.0	0.43	0.18		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups														Data units: Percent		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
VT3KRY	5.8	-0.82	0.07	10.7	-0.93	0.75	34.0	-0.84	0.28	24.1	-0.37	1.12	15.8	-0.93	0.61	
YAJLEZ	8.0	-0.39		11.0	-0.89		37.0	-0.40		24.0	-0.39		15.0	-1.10		
YYBDAK	6.3	-0.73		12.9	-0.61	0.47	37.5	-0.33		25.8	-0.06	0.66	18.3	-0.37	0.61	
Z6H2P8	16.0	1.16	0.05										22.0	0.43	1.69	
ZBNVHH	8.8	-0.23	1.92	17.7	0.10	0.76	33.7	-0.89	0.28	23.7	-0.45	1.06	16.7	-0.73	0.97	

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups														Data units: Percent		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	10.00			17.0			39.7			26.1			20.0			
Median Abs Dev	3.27			4.2			3.3			2.8			2.0			
Avg Within Lab SD	1.07			1.5			4.2			1.1			1.2			
Labs Included	31			29			29			30			30			
Labs Reporting	31			30			30			30			31			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups														Data units: %				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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			
VT3KRY	16.5		1.00	24.5		1.00	34.6		1.00	34.2		1.00	22.4		1.00			

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups						Data units: %			
SRS2201		SRS2202		SRS2203		SRS2204		SRS2205	
Grand Median	16.5	24.5	34.6	34.2	22.4				
Median Abs Dev									
Avg Within Lab SD	0.2	0.6	0.7	0.3	0.9				
Labs Included	1	1	1	1	1				
Labs Reporting	1	1	1	1	1				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
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			
VT3KRY	6.8		1.00	10.0		1.00	20.9		1.00	18.1		1.00	10.3		1.00			

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS2201				SRS2202				SRS2203				SRS2204				SRS2205		
Grand Median	6.81			10.0			20.9			18.1			10.3					
Median Abs Dev	0.15			0.6			0.6			0.5			0.8					
Avg Within Lab SD	0.15			0.6			0.6			0.5			0.8					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
GDY7UC	5.39		0.53	5.19		0.26	8.31			5.01		0.25	1.74		0.09	
UTA9V9	5.17		1.48	4.86		1.56	7.88		0.37	3.94		0.19	1.05		0.30	
VT3KRY	9.64		0.72	14.46		0.71	13.64		1.36	16.12		1.88	12.06		1.70	
Z6H2P8										3.94		0.60				

Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	5.39			5.19			8.31			4.47			1.74			
Median Abs Dev																
Avg Within Lab SD	0.11			0.11			0.24			0.26			0.16			
Labs Included	3			3			3			4			3			
Labs Reporting	3			3			3			4			3			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups													Data units: mg/kg		
													SRS2205		
SRS2201				SRS2202			SRS2203			SRS2204					
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
JY7K3D	647.7		1.05	548.2		0.72	500.0		0.62	602.4		0.37	322.1		0.33
V7PNDX	667.4		1.11	560.2		1.07	566.8		0.58	636.1		0.44	402.8		0.07
WTZ9M4	674.7		0.82	581.7		1.15	558.0		1.51	644.3		1.63	392.3		1.70
Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups													Data units: mg/kg		
													SRS2205		
SRS2201				SRS2202			SRS2203			SRS2204					
Grand Median	667.4			560.2			558.0			636.1			392.3		
Median Abs Dev															
Avg Within Lab SD	6.7			9.7			25.0			23.5			35.2		
Labs Included	3			3			3			3			3		
Labs Reporting	3			3			3			3			3		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
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
GDGCVM	1.7		1.00	11.2		0.10	3.9		0.69	28.9		0.06	14.5		0.20
M8W3B7	3.8		0.33	53.1		1.15	7.4		0.91	88.3		1.72	91.0		1.04
QQF7K3	9.1		1.37	29.3		1.29	12.7		1.31	49.6		0.15	55.6		1.37
Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups													Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205		
Grand Median	3.83			29.3			7.43			49.6			55.6		
Median Abs Dev															
Avg Within Lab SD	0.17			2.3			0.34			12.3			2.7		
Labs Included	3			3			3			3			3		
Labs Reporting	3			3			3			3			3		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
WebCode	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
84XV4N	19.0		1.40	14.0		1.00	5.0		1.38	4.7		1.32	7.3		1.26	
QQF7K3	11.3		0.22	12.0			5.7		0.30	4.7		0.50	7.7		0.63	
DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
	SRS2201			SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	15.2			13.0			5.33			4.67			7.50			
Median Abs Dev																
Avg Within Lab SD	2.6			2.6			1.91			1.15			0.91			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
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	
QQF7K3	97.0			33.7		0.03	1.0			3.0			1.0			
WTZ9M4	116.7		1.00	54.7		1.41	1.9		1.00	2.4		1.00	0.5		1.00	
DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg		
SRS2201				SRS2202			SRS2203			SRS2204			SRS2205			
Grand Median	106.8			44.2			1.47			2.68			0.73			
Median Abs Dev	8.1			21.0			0.58			0.32			0.23			
Avg Within Lab SD	2			2			2			2			2			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Dry Matter (%) (SubTestCode 201)												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7L9XPQ	93.1	0.52		96.2	-0.62		94.9	0.65		95.1	0.31		
8L3X9N	96.8	1.79	0.10	98.3	0.93	0.27	97.3	3.68X	0.16	97.6	2.10	0.30	
AHUREL	87.2	-1.53	0.65				93.2	-1.54	0.81	93.3	-1.03	0.64	
AJ99HR	86.1	-1.92	3.16	95.3	-1.24	2.07	93.3	-1.41	2.92	93.5	-0.83	3.14	
CBQEHF	90.8	-0.29	1.21	95.7	-0.94	2.52	93.5	-1.10	0.88	93.4	-0.92	0.20	
EAP9AJ	37.8	-18.75X	7.37	43.7	-38.47X	0.57	39.8	-68.66X	0.67	29.9	-47.23X	0.72	
GH7WTB	93.7	0.73	0.02	97.9	0.67	0.11	94.6	0.29	0.41	95.5	0.58	0.13	
MAF3MF	91.6	0.00	0.25	96.4	-0.42	0.32	95.0	0.72	0.22	95.3	0.43	0.24	
MC2YV7	92.6	0.32	0.05	97.3	0.18	0.10	93.9	-0.64	0.06	94.0	-0.48	0.10	
QQF7K3	89.8	-0.63	0.00	96.5	-0.35	0.00	94.2	-0.19	0.00	94.5	-0.14	0.00	
QZGTAE	92.6	0.34	0.00	97.3	0.21	0.00	94.5	0.14		94.6	-0.06	0.00	
V7PNDX	91.1	-0.18	0.11	95.8	-0.86	0.03	94.4	-0.01	0.25	94.3	-0.30	0.15	
VELMNJ	91.0	-0.22	0.75	96.8	-0.18	0.03	93.9	-0.67	0.57	94.7	0.00	0.64	
WWFHYL	93.6	0.67	0.65	97.4	0.31	0.16	95.5	1.39	1.03	95.6	0.70	0.64	
XQ7LRR	89.0	-0.92		98.3	0.93	0.00	94.4	0.01	0.00	95.6	0.67	0.00	
YAJLEZ	91.8	0.06	0.27	99.3	1.62	1.46	94.9	0.69	0.58	96.8	1.56	1.64	

Dry Matter (%) (SubTestCode 201)					Data units: Percent	
	SRB2201		SRB2202		SRB2203	
Grand Median	91.6		97.0		94.4	
Median Abs Dev	1.5		0.9		0.5	
Avg Within Lab SD	0.2		0.4		0.3	
Labs Included	15		14		14	
Labs Reporting	16		15		15	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3 - N Cd Rd. (SubTestCode 202)												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
8L3X9N	1,359.3	-1.75	0.15	146.6	-0.76	0.05	229.8	-0.86	0.17	16,400.0	-0.99	0.36	
A76LRH	1,565.7	-0.48	0.83	110.7	-1.72	2.69	222.7	-0.98	0.30	17,789.0	-0.36	0.51	
CBQEHF	1,791.3	0.91	0.54	176.0	0.03	0.57	286.7	0.09	0.27	19,803.7	0.55	1.04	
E72W78	1,649.0	0.03	0.31	155.0	-0.54	0.09	271.7	-0.16	0.43	18,591.7	0.00	0.39	
EAP9AJ	1,514.6	-0.79	0.63	375.9	5.39X	8.11	370.1	1.48	1.46	11,750.7	-3.10X	0.33	
ENMKF3	1,637.8	-0.03	0.00	189.9	0.40	0.00	276.2	-0.09	0.00	14,816.9	-1.71	0.00	
EWWM24	1,916.3	1.68	0.56	181.0	0.16	0.09	342.3	1.02	0.45	22,846.7	1.93	0.13	
F8V6RW	1,829.8	1.15	2.60	119.3	-1.49	0.39	220.6	-1.02	0.96	21,067.8	1.12	2.41	
J4ZF4L	1,428.0	-1.33	1.46	151.7	-0.62	0.49	261.0	-0.34	0.83	16,249.7	-1.06	0.74	
JEJRHJ	1,496.7	-0.91	0.51	159.7	-0.41	0.28	18,860.0	310.88X	88.84	18,186.7	-0.18	0.71	
KLXV4C	1,686.7	0.27	0.21	240.7	1.76	0.51	374.0	1.55	0.69	18,696.0	0.05	1.46	
M7X23U	1,700.3	0.35	2.19	257.7	2.22	3.00	360.7	1.33	3.42	19,503.3	0.41	1.45	
M8W3B7	2,597.0	5.88X	3.34	1,145.0	26.02X	0.30	1,326.7	17.49X	1.63	20,242.0	0.75	0.17	
MC2YV7	1,636.3	-0.04	0.32	175.1	0.00	0.11	272.6	-0.15	0.36	18,977.9	0.18	0.29	
UPML67	1,630.0	-0.08	0.17	167.3	-0.20	0.34	247.3	-0.57	0.65	21,286.7	1.22	0.33	
VELMNJ	1,648.3	0.03	0.01	174.9	0.00	0.06	298.7	0.29	0.36	18,035.5	-0.25	0.92	
WTZ9M4	1,500.7	-0.88	0.21	145.0	-0.80	0.40	262.0	-0.33	0.16	17,380.7	-0.55	0.17	
WWFHYL	1,879.9	1.46	0.93	180.6	0.15	0.04	313.1	0.53	0.21	20,383.7	0.81	0.42	
YAJLEZ	1,744.1	0.62	0.95	201.1	0.70	0.40	321.3	0.67	0.17	18,117.2	-0.22	1.92	
ZBNVHH	1,643.3	0.00	1.13	180.7	0.15	0.54	322.7	0.69	0.86	17,566.7	-0.46	1.14	

NO3 - N Cd Rd. (SubTestCode 202)					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	1,643.3	175.0	281.4	18,591.7		
Median Abs Dev	100.7	17.6	37.0	1,211.0		
Avg Within Lab SD	60.3	21.5	25.4	669.3		
Labs Included	19	18	18	19		
Labs Reporting	20	20	20	20		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3 - N ISE (SubTestCode 203)										Data units: mg/kg		
WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	
AJ99HR	1,732.7		0.87	198.9		0.53	497.1		1.75	18,311.7		0.17
GDGCVM	2,280.0		1.11	366.7		1.89	421.3		0.97	15,500.0		0.11
QQF7K3	1,465.7		1.03	314.2		0.38	530.6		0.00	16,342.1		0.04
TB94QK	1,836.3		0.98	201.3		0.11	353.8		0.14	19,779.8		1.99

NO3 - N ISE (SubTestCode 203)										Data units: mg/kg	
	SRB2201			SRB2202			SRB2203			SRB2204	
Grand Median	1,784.5			257.7			459.2			17,326.9	
Median Abs Dev											
Avg Within Lab SD	31.3			15.5			20.4			889.3	
Labs Included	4			4			4			4	
Labs Reporting	4			4			4			4	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3 - N Oth. (SubTestCode 204)										Data units: mg/kg	
SRB2201			SRB2202			SRB2203			SRB2204		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
7L9XPQ	1,973.3		0.62	215.0		0.05	344.0		0.34	20,100.6	0.84
QZGTAE	955.7		0.55	109.7		0.52	238.3		0.35	16,329.7	1.36
V7PNDX	2,988.3		1.52	683.3		1.65	568.3		1.66	19,191.7	0.67
NO3 - N Oth. (SubTestCode 204)										Data units: mg/kg	
SRB2201			SRB2202			SRB2203			SRB2204		
Grand Median	1,973.3			215.0			344.0			19,191.7	
Median Abs Dev											
Avg Within Lab SD	46.5			17.5			16.6			264.5	
Labs Included	3			3			3			3	
Labs Reporting	3			3			3			3	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NH4-N (SubTestCode 205) Data units: mg/kg										
	SRB2201			SRB2202			SRB2203			SRB2204
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ENMKF3	420.6		0.00	58.8		0.00	126.2		0.00	333.8 0.00
WWFHYL	551.5		1.41	52.2		1.41	98.1		1.41	276.8 1.41
NH4-N (SubTestCode 205) Data units: mg/kg										
	SRB2201			SRB2202			SRB2203			SRB2204
Grand Median	486.0			55.5			112.2			305.3
Median Abs Dev										
Avg Within Lab SD	8.6			0.5			2.1			1.6
Labs Included	2			2			2			2
Labs Reporting	2			2			2			2



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4 - P (SubTestCode 206)												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
A76LRH	1,912.0	1.41	2.67	571.3	-0.01	0.67	712.3	-0.02	0.93	2,868.0	0.08	0.78	
E72W78	1,291.0	-0.64	0.31	442.7	-0.83	1.61	597.7	-0.66	0.43	2,493.0	-0.65	0.58	
F8V6RW	1,846.7	1.19	0.97	975.2	2.58	0.44	1,094.3	2.09	2.08	3,461.0	1.24	2.74	
GDGCVM	1,213.3	-0.90	0.25	453.3	-0.76	1.72	590.0	-0.70	2.08	2,620.0	-0.40	0.46	
J4ZF4L	1,585.7	0.33	0.02	547.0	-0.16	0.64	694.0	-0.12	0.41	3,170.0	0.67	0.18	
KLXV4C	2,325.0	2.77X	1.08	1,516.7	6.06X	4.08	1,130.0	2.29	1.04	3,341.7	1.00	0.67	
M7X23U	1,522.7	0.12	0.22	673.3	0.65	0.11	814.7	0.55	0.70	2,898.0	0.14	0.26	
M8W3B7	1,249.7	-0.78	0.54	572.3	0.00	0.40	683.0	-0.18	0.10	1,639.3	-2.31	1.17	
QQF7K3	1,929.6	1.47	1.53	834.3	1.68	0.14	917.9	1.12	0.17	3,323.8	0.97	0.04	
UPML67	1,410.0	-0.25	0.16	633.7	0.39	1.57	720.0	0.02	0.61	2,733.3	-0.18	0.39	
WTZ9M4	1,384.3	-0.33	0.23	555.0	-0.11	0.24	683.3	-0.18	0.21	2,630.3	-0.38	0.34	
YAJLEZ	1,484.9	0.00	0.15	609.5	0.24	1.30	745.7	0.16	0.33	2,782.6	-0.08	1.07	

PO4 - P (SubTestCode 206)					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	1,484.9	572.3	716.2	2,825.3		
Median Abs Dev	193.9	61.3	65.8	268.8		
Avg Within Lab SD	61.2	18.7	31.5	78.0		
Labs Included	11	11	12	12		
Labs Reporting	12	12	12	12		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SO4 - S (SubTestCode 207)										Data units: mg/kg
SRB2201			SRB2202			SRB2203			SRB2204	
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AJ99HR	2,664.9		0.24	647.0		0.57	663.6		1.49	854.5 0.83
QQF7K3	3,306.2		1.67	129.8		0.08	485.6		0.59	691.5 0.30
YAJLEZ	3,058.3		0.37	421.6		1.63	700.3		0.65	758.0 1.49
SO4 - S (SubTestCode 207)										Data units: mg/kg
SRB2201			SRB2202			SRB2203			SRB2204	
Grand Median	3,058.3			421.6			663.6			758.0
Median Abs Dev										
Avg Within Lab SD	81.7			7.6			17.8			13.5
Labs Included	3			3			3			3
Labs Reporting	3			3			3			3



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

CI (SubTestCode 208)												Data units: Percent		
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
7L9XPQ	0.64	-0.05	0.29	0.44	-0.16	0.84	0.20	0.35	0.11	2.67	0.00	1.12		
8L3X9N	0.61	-0.37	0.11	0.40	-0.95	0.30	0.23	1.11	0.13	2.53	-0.72	0.98		
A76LRH	0.77	1.70	0.41	0.57	2.25	2.35	0.26	2.06	0.99	2.77	0.52	0.00		
AHUREL	0.15	-6.56X	0.70	0.13	-6.02X	2.54	0.08	-2.60X	0.45	1.32	-7.15X	1.84		
CBQEHF	0.57	-0.94	3.14	0.48	0.68	0.65	0.18	0.00	1.79	2.93	1.38	0.09		
D8M7NP	0.66	0.20	0.25	0.45	-0.05	0.80	0.18	-0.09	0.00	2.64	-0.16	0.22		
E72W78	0.60	-0.49	0.20	0.43	-0.33	0.00	0.18	-0.17	1.31	2.67	0.00	2.08		
EWWM24	0.77	1.69	0.25	0.47	0.43	0.11	0.33	3.87X	2.27	2.90	1.22	0.32		
GDGCVM	0.62	-0.27	0.93	0.49	0.74	0.65	0.18	0.00	2.62	2.72	0.24	0.45		
J4ZF4L	0.65	0.13	0.61	0.40	-0.83	1.72	0.24	1.37	0.99	2.60	-0.36	0.24		
LYGYPD	0.64	0.00	0.00	0.45	0.05	0.00	0.17	-0.34	0.00	2.69	0.12	0.09		
M8W3B7	0.66	0.22	0.74	0.47	0.36	1.72	0.19	0.17	0.86	2.66	-0.06	0.16		
QQF7K3	0.87	3.05	0.00	0.61	3.09	0.00	0.29	2.74	0.00	2.94	1.42	0.00		
QZGTAE	0.62	-0.31	0.20	0.43	-0.33	0.00	0.15	-0.86	0.00	2.58	-0.48	0.16		
UPML67	0.57	-0.99	2.04	0.40	-0.89	0.00	0.47	7.29X	4.95	2.17	-2.66	0.91		
V7PNDX	0.61	-0.45	0.74	0.46	0.17	0.65	0.17	-0.34	0.00	2.80	0.70	0.48		
WWFHYL	0.68	0.53	0.07	0.45	0.00	0.14	0.17	-0.35	0.01	2.81	0.73	0.62		
YAJLEZ	0.64	0.06	0.41	0.44	-0.15	1.68	0.19	0.17	0.71	2.54	-0.69	2.92		

CI (SubTestCode 208)					Data units: Percent	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	0.64	0.45	0.18	2.67		
Median Abs Dev	0.03	0.02	0.01	0.10		
Avg Within Lab SD	0.03	0.01	0.01	0.06		
Labs Included	17	17	15	17		
Labs Reporting	18	18	18	18		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

TKN (SubTestCode 209)												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
F6MUXE	2.73	-1.12	0.01	1.80	-0.94	0.03	2.35	-1.31	0.02	2.79	-1.01	0.00	
JJDV6W	3.01	0.22	0.09	1.88	0.06	0.26	2.44	-0.38	0.67	4.36	1.95	0.54	
JY7K3D	2.80	-0.76	0.74	1.97	1.17	0.30	2.48	0.00	0.57	3.33	0.00	2.46	
QQF7K3	3.15	0.86	0.09	1.88	0.00	0.18	2.50	0.24	1.04	3.68	0.66	0.29	
UPML67	2.97	0.00	2.40	1.86	-0.24	1.67	2.55	0.76	1.90	3.13	-0.36	0.37	
WWFHYL	3.19	1.02	0.55	1.98	1.39	0.41	2.60	1.24	1.14	3.41	0.16	0.62	
ZBNVHH	2.81	-0.74	0.61	1.80	-0.92	1.96	2.40	-0.79	0.48	3.02	-0.58	0.26	

TKN (SubTestCode 209)					Data units: Percent			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	2.97		1.88		2.48		3.33	
Median Abs Dev	0.16		0.07		0.07		0.31	
Avg Within Lab SD	0.07		0.04		0.05		0.13	
Labs Included	7		7		7		7	
Labs Reporting	7		7		7		7	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

N- Dry Comb. (SubTestCode 210)

Data units: Percent

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	3.11	1.41	0.30	1.98	0.83	0.94	2.59	1.70	0.78	4.55	0.93	0.89
3N7Z7P	3.01	0.33	0.35	1.72	-2.57	0.94	3.38	12.80X	0.57	4.56	1.01	0.20
6DERVP	2.94	-0.44	0.14	1.83	-1.18	0.06	2.41	-0.81	1.27	4.48	0.13	0.50
7KBMVA	2.93	-0.62	0.80	1.86	-0.74	0.59	2.43	-0.51	0.37	4.42	-0.47	0.31
7L9XPQ	3.05	0.73	0.58	1.88	-0.52	0.42	2.49	0.40	0.50	4.54	0.75	0.43
84ZKA7	3.00	0.19	1.38	1.94	0.22	0.94	2.50	0.47	0.37	4.45	-0.22	0.30
8L3X9N	2.86	-1.37	1.08	1.77	-1.96	0.75	2.42	-0.65	0.37	4.61	1.54	0.72
8T66RW	2.86	-1.36	1.66	1.86	-0.75	1.51	2.37	-1.39	0.94	4.35	-1.31	3.38
A76LRH	3.01	0.30	0.30	1.97	0.61	0.22	2.50	0.51	0.86	4.48	0.14	0.52
AHUREL	2.94	-0.52	0.35	1.84	-1.00	0.22	2.41	-0.74	0.21	4.47	0.07	0.61
AJ99HR	2.92	-0.69	2.07	1.87	-0.63	0.50	2.43	-0.51	2.21	4.40	-0.75	1.24
AQB6JC	3.01	0.30	0.60	1.93	0.09	0.57	2.47	0.00	0.43	4.42	-0.54	0.23
AZBTC9	2.98	0.00	0.17	2.01	1.18	2.34	2.46	-0.14	0.57	4.45	-0.18	0.34
B7UHBA	3.00	0.19	0.30	1.93	0.09	0.22	2.47	0.09	0.21	4.48	0.11	0.41
CBQEHF	3.21	2.50	0.22	1.94	0.31	0.81	2.58	1.58	0.41	4.72	2.71	0.39
CKTJNA	2.98	-0.04	0.72	1.92	0.00	0.37	2.47	0.05	0.78	4.41	-0.59	0.69
D8M7NP	2.78	-2.26	2.17	1.75	-2.18	1.14	2.30	-2.28	2.89	3.84	-6.71X	0.80
E72W78	2.99	0.07	0.00	1.90	-0.26	0.00	2.48	0.23	0.21	4.56	0.97	0.11
EAP9AJ	3.00	0.15	0.17	1.94	0.22	0.78	2.47	0.05	0.00	4.48	0.14	0.00
ENMKF3	2.95	-0.33	0.00	1.91	-0.18	0.00	2.45	-0.23	0.00	4.43	-0.35	0.00
EWWM24	2.96	-0.26	0.52	1.92	0.00	0.75	2.47	0.00	0.21	4.42	-0.47	0.41
EXBBZA	3.00	0.15	0.35	1.85	-0.96	0.22	2.48	0.19	0.64	4.46	-0.04	0.23
F6MUXE	2.92	-0.70	0.00	1.87	-0.65	0.00	2.42	-0.61	0.21	4.39	-0.83	0.20
F8V6RW	3.08	1.07	0.76	2.55	8.21X	2.84	2.46	-0.10	1.54	4.47	0.03	0.56
GDGCVM	2.94	-0.44	0.63	1.89	-0.44	0.22	2.40	-0.98	0.94	4.33	-1.47	0.52
GH7WTB	3.14	1.78	0.04	2.11	2.43	0.31	2.59	1.78	0.05	4.55	0.94	0.28



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

N- Dry Comb. (SubTestCode 210)													Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
J4ZF4L	2.93	-0.56	1.73	1.95	0.39	1.87	2.37	-1.40	2.15	4.33	-1.47	3.95		
JEJRHJ	2.91	-0.85	3.73	1.93	0.13	1.63	1.97	-6.89X	14.17	4.47	0.00	1.80		
JJDV6W	3.10	1.30	0.03	1.98	0.84	0.06	2.53	0.95	0.09	4.65	2.02	0.74		
JY7K3D	3.02	0.46	0.66	2.03	1.44	0.08	2.56	1.28	0.86	4.53	0.69	0.28		
LYGYPD	2.97	-0.11	1.05	1.92	0.00	1.63	2.41	-0.84	2.18	4.42	-0.47	0.30		
M7X23U	2.97	-0.19	1.73	1.90	-0.26	0.00	2.47	0.00	2.15	4.47	0.00	1.15		
M8W3B7	2.96	-0.26	0.52	1.85	-0.91	3.07	2.44	-0.33	0.43	4.50	0.36	0.20		
MC2YV7	3.17	2.06	1.00	1.94	0.26	0.83	2.56	1.35	1.27	4.68	2.26	0.72		
QQF7K3	3.01	0.33	0.41	1.96	0.54	1.87	2.49	0.27	0.23	4.47	0.03	1.40		
QZGTAE	2.94	-0.48	0.30	1.92	-0.04	0.57	2.41	-0.84	0.57	4.39	-0.86	0.11		
TB94QK	2.98	0.00	0.17	1.93	0.09	0.22	2.46	-0.05	0.57	4.45	-0.14	0.50		
V7PNDX	2.96	-0.30	0.17	1.89	-0.44	0.22	2.44	-0.37	0.00	4.44	-0.29	0.20		
VELMNJ	2.88	-1.14	0.31	1.80	-1.55	0.16	2.34	-1.79	0.26	4.40	-0.75	0.13		
WEFTHJ	3.04	0.63	0.30	1.98	0.74	0.57	2.48	0.14	0.21	4.47	0.07	0.23		
WTZ9M4	2.98	0.00	0.76	1.94	0.22	0.43	2.44	-0.37	0.37	4.45	-0.18	0.00		
WWFHYL	3.16	1.96	0.32	1.94	0.26	0.69	2.55	1.19	0.06	4.64	1.86	0.31		
YAJLEZ	3.00	0.21	0.63	1.94	0.25	1.56	2.50	0.50	0.77	4.45	-0.19	0.80		

N- Dry Comb. (SubTestCode 210)					Data units: Percent			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	2.98		1.92		2.47		4.47	
Median Abs Dev	0.04		0.04		0.04		0.04	
Avg Within Lab SD	0.03		0.03		0.03		0.05	
Labs Included	43		42		41		42	
Labs Reporting	43		43		43		43	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

S- Dry Comb. (SubTestCode 211)										Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
E72W78	0.48		0.83	0.16		0.00	0.18		0.00	0.21	0.46
JY7K3D	0.49		1.18	0.23		1.73	0.22		1.71	0.20	1.65
VELMNJ	0.56		0.96	0.21		0.05	0.22		0.30	0.20	0.24
S- Dry Comb. (SubTestCode 211)										Data units: Percent	
	SRB2201			SRB2202			SRB2203			SRB2204	
Grand Median	0.49			0.21			0.22			0.20	
Median Abs Dev											
Avg Within Lab SD	0.01			0.03			0.01			0.01	
Labs Included	3			3			3			3	
Labs Reporting	3			3			3			3	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

P (SubTestCode 212) in the Wet Digestion Property Groups													Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
382Q7P	0.30	-0.16	0.62	0.18	-0.65	0.37	0.14	-0.22	0.63	0.44	-0.20	0.93		
3N7Z7P	0.31	0.00	0.02	0.19	0.13	0.09	0.14	0.13	0.09	0.46	0.65	0.01		
6DERVP	0.33	1.13	2.33	0.21	1.63	1.97	0.15	0.85	0.95	0.49	1.43	2.15		
7KBMVA	0.29	-0.64	0.13	0.19	-0.36	0.29	0.13	-0.54	0.93	0.42	-0.95	1.75		
7L9XPQ	0.32	0.34	0.27	0.19	-0.12	0.27	0.15	0.94	0.33	0.45	0.15	0.50		
84ZKA7	0.33	1.09	0.48	0.21	1.94	0.70	0.15	0.59	1.02	0.45	0.02	0.30		
8L3X9N	0.30	-0.39	0.30	0.21	1.21	0.73	0.14	0.03	0.27	0.45	0.03	0.18		
8T66RW	0.29	-0.71	1.51	0.19	-0.26	1.97	0.15	0.50	1.59	0.43	-0.54	1.04		
A66UDM	0.32	0.38	1.15	0.19	-0.29	0.12	0.14	-0.26	0.47	0.45	0.10	0.59		
A76LRH	0.28	-1.15	0.67	0.17	-1.68	0.28	0.13	-0.76	0.84	0.41	-1.30	0.44		
AHUREL	0.32	0.45	0.96	0.19	-0.38	0.74	0.15	0.50	1.42	0.47	0.86	0.83		
AQB6JC	0.30	-0.44	0.48	0.19	-0.12	0.00	0.14	-0.29	1.02	0.42	-0.81	0.30		
AZBTC9	0.33	0.95	0.83	0.20	0.47	0.70	0.15	0.88	0.00	0.50	1.91			
CBQEHF	0.35	1.79	1.24	0.22	2.74	0.78	0.16	2.17	1.08	0.50	1.79	1.27		
CKTJNA	0.33	1.02	1.04	0.17	-1.62	0.85	0.15	0.97	2.83	0.44	-0.09	1.41		
D8M7NP	0.28	-1.14	1.44	0.19	-0.47	0.65	0.13	-0.59	1.02	0.43	-0.46	0.30		
EAP9AJ	0.25	-2.20	0.32	0.17	-1.74	0.05	0.12	-1.92	0.55	0.37	-2.65	0.34		
ENMKF3	0.31	-0.05	0.00	0.20	0.41	0.00	0.14	-0.09	0.00	0.45	-0.04	0.00		
EWWM24	0.31	0.25	0.48	0.19	-0.12	0.00	0.14	0.00	0.00	0.45	0.13	0.00		
EXBBZA	0.30	-0.28	1.73	0.18	-1.09	1.29	0.15	0.85	0.67	0.45	0.06	1.08		
F6MUXE	0.33	1.12	0.61	0.20	1.02	0.84	0.16	1.45	0.27	0.47	0.73	0.69		
F8V6RW	0.33	0.95	0.00	0.22	2.24	0.70	0.16	1.76	0.00	0.46	0.61	0.59		
GH7WTB	0.31	0.12	0.20	0.19	0.28	0.04	0.14	0.15	0.37	0.45	-0.02	0.43		
J4ZF4L	0.28	-1.00	2.09	0.18	-0.71	0.43	0.13	-0.82	0.54	0.40	-1.58	0.34		
JEJRHJ	0.29	-0.86	0.48	0.18	-1.29	1.41	0.14	0.00	1.77	0.43	-0.57	3.20		
JJDV6W	0.31	0.25	0.55	0.19	0.11	1.64	0.15	0.87	0.37	0.45	-0.04	0.62		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

P (SubTestCode 212) in the Wet Digestion Property Groups													Data units: Percent
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	0.30	-0.30	0.83	0.19	0.18	1.86	0.14	0.00	1.77	0.44	-0.34	0.78	
LYGYPD	0.31	-0.07	1.99	0.19	0.24	1.68	0.14	-0.03	1.94	0.44	-0.39	1.46	
M7X23U	0.33	0.95	2.20	0.18	-0.71	0.70	0.13	-0.59	1.02	0.46	0.61	1.07	
M8W3B7	0.32	0.73	0.54	0.20	0.76	0.37	0.15	1.03	0.54	0.46	0.48	0.95	
MAF3MF	0.33	1.09	0.59	0.19	0.00	0.58	0.13	-0.59	0.37	4.50	143.68X	2.11	
MC2YV7	0.39	3.27X	3.41	0.23	3.21X	2.78	0.18	3.51X	4.06	0.55	3.53X	2.06	
NDEXLA	0.30	-0.30	0.63	0.19	-0.47	0.85	0.14	-0.44	1.53	0.44	-0.08	0.31	
QQF7K3	0.32	0.68	0.38	0.19	0.12	0.13	0.15	1.07	0.11	0.45	0.14	0.16	
QZGTAE	0.31	0.25	0.48	0.19	-0.41	0.70	0.13	-0.59	1.02	0.46	0.37	0.30	
TB94QK	0.32	0.61	0.23	0.20	0.61	0.39	0.14	0.34	0.61	0.45	0.18	0.60	
UPML67	0.30	-0.16	0.48	0.20	0.47	0.70	0.14	0.29	1.02	0.41	-1.28	0.51	
V7PNDX	0.30	-0.16	0.48	0.19	-0.12	0.00	0.14	0.00	0.00	0.43	-0.46	0.30	
VELMNJ	0.29	-0.56	0.05	0.19	-0.16	0.15	0.13	-0.64	0.26	0.50	1.77	0.47	
WEFTHJ	0.30	-0.14	0.22	0.19	0.00	0.14	0.14	-0.21	0.27	0.44	-0.20	0.25	
WTZ9M4	0.29	-0.54	1.12	0.19	-0.06	1.65	0.14	-0.15	1.47	0.45	0.04	1.46	
WWFHYL	0.33	0.91	0.00	0.20	0.65	0.07	0.15	0.59	0.27	0.46	0.60	0.05	
XGZU84	0.31	0.11	2.20	0.20	0.76	3.23	0.13	-0.88	1.77	0.44	-0.34	1.80	
XQ7LRR	0.37	2.41	0.98	0.20	0.62	0.25	0.16	1.79	0.37	0.53	3.03	0.63	
YAJLEZ	0.27	-1.38	0.92	0.18	-0.78	0.97	0.11	-2.41	0.71	0.41	-1.46	1.18	
ZBNVHH	0.30	-0.16	0.48	0.19	0.18	1.41	0.13	-0.59	1.02	0.44	-0.22	1.36	

P (SubTestCode 212) in the Wet Digestion Property Groups					Data units: Percent
	SRB2201	SRB2202	SRB2203	SRB2204	
Grand Median	0.31	0.19	0.14	0.45	
Median Abs Dev	0.01	0.01	0.01	0.01	
Avg Within Lab SD	0.01	0.01	0.01	0.02	
Labs Included	45	45	45	44	
Labs Reporting	46	46	46	46	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	2.73	-0.71	0.70	0.93	-1.31	0.16	2.08	-1.19	0.88	9.69	-0.26	0.10
3N7Z7P	2.81	-0.42	0.00	1.07	0.64	0.06	2.18	-0.53	0.02	8.61	-1.25	0.00
6DERVP	2.86	-0.22	1.84	0.97	-0.65	1.12	2.08	-1.18	1.13	10.15	0.15	2.26
7KBMVA	2.38	-2.07	1.44	0.86	-2.22	0.31	2.04	-1.46	0.06	10.11	0.11	0.05
7L9XPQ	3.06	0.57	0.39	1.05	0.36	0.30	2.31	0.33	0.35	10.25	0.25	0.51
84ZKA7	2.79	-0.50	0.05	0.78	-3.38X	0.16	2.30	0.24	0.07	11.37	1.26	0.17
8L3X9N	2.92	0.00	0.28	1.05	0.41	0.36	2.29	0.20	0.12	10.91	0.85	0.57
8T66RW	2.67	-0.94	0.72	0.94	-1.07	1.53	2.11	-0.95	1.99	9.72	-0.24	1.33
A66UDM	3.15	0.90	1.52	1.05	0.34	0.42	2.25	-0.07	0.42	10.57	0.53	0.76
A76LRH	2.37	-2.11	0.28	0.88	-1.91	0.42	1.86	-2.59	0.24	8.01	-1.80	0.75
AHUREL	3.03	0.45	0.26	1.03	0.16	0.42	2.35	0.59	0.23	10.22	0.22	1.00
AQB6JC	2.98	0.23	0.18	1.08	0.80	0.28	2.26	-0.02	0.24	10.40	0.38	0.30
AZBTC9	2.94	0.08	0.30	1.04	0.21	0.64	2.31	0.35	0.44	10.08	0.09	0.64
CBQEHF	3.01	0.37	1.95	1.08	0.80	0.28	2.38	0.76	0.81	10.29	0.28	1.92
CKTJNA	2.86	-0.23	0.47	0.94	-1.10	1.59	2.49	1.48	1.97			
D8M7NP	2.72	-0.77	1.96	0.99	-0.48	0.42	2.16	-0.63	0.48	9.16	-0.75	2.63
EAP9AJ	2.44	-1.83	0.07	0.94	-1.15	0.12	2.00	-1.68	0.53	8.82	-1.06	0.12
ENMKF3	2.99	0.27	0.00	1.05	0.38	0.00	2.26	0.01	0.00	9.98	0.00	0.00
EWWM24	3.08	0.64	0.22	1.09	0.99	0.42	2.32	0.41	0.18	10.25	0.24	0.15
EXBBZA	2.88	-0.13	0.82	0.94	-1.10	0.68	2.31	0.30	0.18	9.83	-0.14	1.09
F6MUXE	2.79	-0.49	0.30	0.99	-0.44	0.35	2.19	-0.49	0.38	9.70	-0.26	0.15
F8V6RW	2.97	0.22	0.28	1.06	0.53	0.00	2.34	0.54	0.18	9.96	-0.02	0.19
GH7WTB	3.01	0.34	0.13	1.08	0.76	0.07	2.28	0.10	0.42	8.64	-1.22	0.30
J4ZF4L	2.78	-0.51	2.12	1.02	-0.02	0.28	2.06	-1.30	0.31	9.11	-0.80	0.69
JEJRHJ	2.99	0.30	1.18	1.10	1.08	1.66	2.53	1.73	2.66	9.30	-0.63	0.70
JJDV6W	3.52	2.34	0.62	0.98	-0.60	1.69	2.24	-0.11	0.12	10.80	0.75	0.36



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
KLXV4C	2.53	-1.49	0.93	0.89	-1.86	0.57	1.96	-1.95	1.56	8.76	-1.12	0.62
LYGYPD	2.92	0.00	1.91	1.07	0.62	1.95	2.26	0.02	1.90	8.77	-1.11	1.24
M7X23U	2.87	-0.19	0.50	1.27	3.38X	4.21	2.27	0.04	1.33	11.67	1.54	1.73
M8W3B7	3.02	0.41	0.57	1.02	0.02	0.16	2.25	-0.09	0.64	9.78	-0.19	1.09
MAF3MF	3.32	1.55	0.49	1.09	0.93	0.30	2.42	1.05	0.25	11.07	0.99	0.14
MC2YV7	3.46	2.09	2.62	1.16	1.84	2.98	2.67	2.67X	3.46	11.44	1.33	0.86
NDEXLA	2.94	0.10	0.13	1.01	-0.19	0.36	2.26	0.00	1.03	10.23	0.23	0.17
QQF7K3	3.02	0.39	0.20	0.96	-0.84	0.07	2.32	0.39	0.09	9.40	-0.53	0.41
QZGTAE	2.38	-2.08	0.26	0.95	-0.99	0.73	1.98	-1.82	0.35	8.56	-1.30	0.33
TB94QK	2.87	-0.16	0.28	1.05	0.35	0.53	2.22	-0.24	0.25	9.34	-0.59	0.23
UPML67	2.84	-0.28	0.10	1.02	-0.07	0.84	2.23	-0.20	0.60	8.57	-1.29	0.26
V7PNDX	2.90	-0.08	0.36	1.03	0.11	0.28	2.27	0.07	0.12	8.83	-1.06	0.24
VELMNJ	3.13	0.83	0.05	0.99	-0.38	0.04	2.11	-0.97	0.08	10.47	0.45	0.10
WEFTHJ	2.92	0.00	0.05	1.03	0.07	0.16	2.19	-0.46	0.31	10.90	0.84	0.00
WTZ9M4	2.96	0.18	0.26	1.08	0.76	0.69	2.29	0.20	0.12	10.45	0.43	1.47
WWFHYL	3.12	0.77	0.05	1.06	0.53	0.67	2.34	0.51	0.18	10.30	0.29	0.15
XGZU84	2.68	-0.91	2.61	1.02	-0.02	2.63	1.99	-1.76	3.72	8.57	-1.29	2.71
XQ7LRR	3.24	1.25	0.97	1.00	-0.30		2.31	0.33	0.31	11.00	0.93	0.79
YAJLEZ	2.77	-0.58	0.79	1.01	-0.09	0.70	2.26	0.02	0.53	10.77	0.72	0.94
ZBNVHH	2.90	-0.06	0.86	1.01	-0.16	2.36	2.10	-1.04	1.16	9.33	-0.59	1.83

K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

	SRB2201	SRB2202	SRB2203	SRB2204
Grand Median	2.92	1.02	2.26	9.98
Median Abs Dev	0.11	0.04	0.07	0.65
Avg Within Lab SD	0.12	0.04	0.09	0.33
Labs Included	46	44	45	45
Labs Reporting	46	46	46	45



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca (SubTestCode 214) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	1.18	-1.29	0.26	0.28	-1.09	0.23	3.61	-1.06	0.36	0.91	-1.05	0.62
3N7Z7P	1.36	0.26	0.01	0.29	-1.02	1.13	4.27	0.82	0.01	1.18	1.80	0.06
6DERVP	1.37	0.41	1.08	0.33	-0.17	1.21	4.33	1.02	1.17	1.00	-0.13	1.23
7KBMVA	0.96	-3.32X	0.96	0.22	-2.56X	1.24	2.88	-3.16X	0.24	0.77	-2.47X	0.24
7L9XPQ	1.40	0.62	0.15	0.33	-0.06	0.27	4.31	0.95	0.29	1.02	0.15	0.56
84ZKA7	1.32	-0.04	0.15	0.34	0.24	0.41	4.03	0.15	0.11	1.03	0.26	0.37
8L3X9N	1.31	-0.14	0.07	0.35	0.32	0.27	4.43	1.29	0.30	0.99	-0.23	0.61
8T66RW	1.31	-0.17	0.58	0.39	1.39	1.62	4.08	0.29	0.91	1.05	0.48	0.99
A66UDM	1.26	-0.61	0.79	0.29	-0.96	0.15	3.54	-1.27	0.20	0.89	-1.27	0.35
A76LRH	1.26	-0.65	0.25	0.30	-0.67	0.62	3.76	-0.63	0.09	0.96	-0.48	0.22
AHUREL	1.37	0.34	0.20	0.34	0.24	0.41	4.10	0.35	0.41	1.02	0.12	0.24
AQB6JC	1.36	0.28	0.13	0.38	1.00	0.41	4.06	0.24	0.16	1.13	1.23	0.61
AZBTC9	1.38	0.49	0.76	0.34	0.24	0.41	4.08	0.28	0.17	1.08	0.74	0.85
CBQEHF	1.43	0.94	1.31	0.41	1.72	0.54	4.16	0.52	0.45	1.10	1.00	1.67
CKTJNA	1.41	0.73	0.54	0.29	-1.07	1.47	4.27	0.83	2.00	1.00	-0.11	1.07
D8M7NP	1.24	-0.80	1.03	0.32	-0.37	0.58	3.90	-0.22	0.47	0.96	-0.50	0.49
EAP9AJ	1.14	-1.71	0.12	0.31	-0.60	0.07	3.58	-1.14	0.19	0.90	-1.15	0.17
ENMKF3	1.28	-0.40	0.00	0.32	-0.27	0.00	3.97	-0.03	0.00	0.95	-0.61	0.00
EWWM24	1.38	0.46	0.13	0.35	0.39	0.00	3.85	-0.39	0.27	1.03	0.19	0.14
EXBBZA	1.33	-0.01	0.67	0.30	-0.79	0.37	4.07	0.26	0.67	1.00	-0.12	1.00
F6MUXE	1.25	-0.70	0.11	0.29	-0.94	0.10	3.99	0.04	0.30	1.02	0.14	0.34
F8V6RW	1.68	3.17X	0.46	0.42	2.06	0.41	5.03	3.03X	0.17	1.24	2.44	0.37
GH7WTB	1.34	0.12	0.09	0.33	0.01	0.23	3.87	-0.32	0.27	1.02	0.12	0.38
J4ZF4L	1.28	-0.40	1.51	0.33	-0.02	1.04	3.80	-0.52	0.16	0.95	-0.60	0.31
JEJRHJ	1.35	0.19	1.07	0.37	0.85	1.24	4.20	0.63	2.30	0.99	-0.23	2.03
JJDV6W	1.30	-0.27	0.45	0.32	-0.40	1.35	4.19	0.60	0.59	0.96	-0.48	0.41



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca (SubTestCode 214) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	1.23	-0.91	0.46	0.33	-0.06	0.71	3.58	-1.16	0.33	0.87	-1.44	1.36	
LYGYPD	1.33	0.01	1.31	0.36	0.68	1.23	3.92	-0.17	1.48	0.99	-0.17	1.23	
M7X23U	1.37	0.34	1.99	0.42	1.91	1.49	4.30	0.92	1.96	1.10	0.95	2.44	
M8W3B7	1.40	0.61	0.62	0.37	0.88	0.60	4.09	0.31	0.41	1.01	0.02	1.05	
MAF3MF	1.52	1.71	0.24	0.34	0.19	1.04	4.06	0.24	0.11	1.11	1.10	0.14	
MC2YV7	1.63	2.68	2.21	0.39	1.40	2.84	4.68	2.02	2.64	1.20	1.96	2.32	
NDEXLA	1.23	-0.88	0.13	0.30	-0.86	0.64	3.82	-0.46	0.49	0.95	-0.62	0.10	
QQF7K3	1.47	1.23	0.09	0.36	0.69	1.91	4.47	1.42	0.32	1.07	0.65	0.34	
QZGTAE	1.15	-1.56	0.30	0.30	-0.82	0.41	3.57	-1.18	0.49	0.97	-0.40	0.00	
TB94QK	1.26	-0.60	0.23	0.35	0.36	0.25	3.87	-0.31	0.25	0.90	-1.09	0.08	
UPML67	1.54	1.89	3.96	0.40	1.45	1.80	3.93	-0.15	0.44	1.01	0.05	1.15	
V7PNDX	1.31	-0.13	0.15	0.32	-0.37	0.41	3.85	-0.37	0.11	0.95	-0.57	0.37	
VELMNJ	1.70	3.33X	0.13	0.44	2.42	0.14	4.96	2.81	0.10	1.24	2.38	0.06	
WTZ9M4	1.29	-0.34	0.86	0.34	0.23	0.39	3.68	-0.86	1.78	1.01	-0.02	0.97	
WWFHYL	1.39	0.51	0.05	0.33	0.01	0.42	3.98	0.00	0.19	1.02	0.08	0.13	
XGZU84	1.20	-1.15	1.70	0.33	-0.06	1.89	3.29	-1.98	3.14	0.92	-0.95	2.56	
XQ7LRR	1.45	1.12	0.62	0.33	-0.10	0.55	3.93	-0.14	0.13	1.09	0.85	0.88	
YAJLEZ	1.33	0.04	0.39	0.33	-0.01	0.73	3.84	-0.41	0.37	1.01	0.04	1.05	
ZBNVHH	1.27	-0.55	0.75	0.32	-0.29	1.89	3.90	-0.23	1.44	0.94	-0.75	1.43	

Ca (SubTestCode 214) in the Wet Digestion Property Groups					Data units: Percent			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	1.33		0.33		3.98		1.01	
Median Abs Dev	0.06		0.02		0.16		0.05	
Avg Within Lab SD	0.08		0.01		0.18		0.04	
Labs Included	42		44		43		44	
Labs Reporting	45		45		45		45	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg (SubTestCode 215) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	0.216	-1.05	0.36	0.065	-1.08	0.44	0.637	-1.03	0.39	0.420	-0.63	0.00
3N7Z7P	0.242	0.26	0.18	0.073	-0.29	0.63	0.693	0.06	0.09	0.463	0.71	0.01
6DERVP	0.242	0.25	0.97	0.076	0.05	0.87	0.701	0.23	0.67	0.453	0.40	1.10
7KBMVA	0.213	-1.20	0.26	0.073	-0.24	1.54	0.667	-0.44	0.23	0.433	-0.23	0.43
7L9XPQ	0.233	-0.18	0.24	0.070	-0.58	0.24	0.687	-0.04	0.29	0.421	-0.58	0.62
84ZKA7	0.237	0.00	0.58	0.080	0.49	0.00	0.677	-0.25	0.21	0.437	-0.11	0.78
8L3X9N	0.226	-0.56	0.25	0.075	-0.07	0.39	0.672	-0.35	0.23	0.440	-0.01	0.49
8T66RW	0.244	0.39	1.25	0.090	1.57	1.86	0.696	0.12	1.02	0.436	-0.14	1.39
A66UDM	0.240	0.17	0.79	0.072	-0.34	0.05	0.684	-0.10	0.46	0.453	0.41	0.85
A76LRH	0.225	-0.59	0.46	0.055	-2.13	1.54	0.711	0.42	0.35	0.450	0.30	0.29
AHUREL	0.246	0.47	0.26	0.080	0.45	0.15	0.710	0.40	0.42	0.455	0.47	0.31
AQB6JC	0.253	0.84	0.58	0.093	1.89	1.46	0.717	0.54	0.21	0.467	0.82	0.39
AZBTC9	0.247	0.51	1.15	0.080	0.49	0.00	0.700	0.21	0.36	0.480	1.23	1.17
CBQEHF	0.273	1.84	2.43	0.098	2.41	0.53	0.766	1.51	0.40	0.494	1.67	1.51
CKTJNA	0.244	0.35	0.35	0.071	-0.45	1.01	0.688	-0.04	1.30	0.397	-1.35	0.04
D8M7NP	0.209	-1.42	1.84	0.063	-1.26	1.15	0.645	-0.89	0.46	0.412	-0.88	0.46
EAP9AJ	0.211	-1.32	0.30	0.076	0.05	0.11	0.581	-2.15	0.39	0.376	-2.00	0.44
ENMKF3	0.236	-0.03	0.00	0.077	0.17	0.00	0.710	0.40	0.00	0.444	0.12	0.00
EWWM24	0.240	0.17	0.00	0.070	-0.56	0.00	0.723	0.67	0.21	0.433	-0.21	0.39
EXBBZA	0.231	-0.30	0.57	0.067	-0.84	0.53	0.706	0.33	0.04	0.426	-0.43	0.31
F6MUXE	0.232	-0.22	0.34	0.073	-0.24	0.11	0.684	-0.11	0.28	0.446	0.18	0.56
F8V6RW	0.257	1.01	0.58	0.090	1.54	0.00	0.750	1.19		0.470	0.92	0.00
GH7WTB	0.231	-0.28	0.10	0.073	-0.21	0.18	0.652	-0.74	0.33	0.440	0.01	0.65
J4ZF4L	0.231	-0.29	1.85	0.075	0.00	1.19	0.656	-0.65	0.20	0.409	-0.98	0.55
JEJRHJ	0.250	0.68	1.00	0.087	1.19	1.46	0.750	1.19	2.49	0.460	0.61	1.17
JJDV6W	0.237	0.04	0.56	0.073	-0.26	1.53	0.781	1.80	0.52	0.427	-0.40	0.76



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg (SubTestCode 215) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	0.220	-0.84	1.00	0.080	0.49	2.53	0.630	-1.17	0.36	0.400	-1.24	0.68	
LYGYPD	0.213	-1.20	1.30				0.619	-1.39	1.49	0.393	-1.45	1.28	
M7X23U	0.237	0.00	1.53	0.078	0.24	0.77	0.717	0.54	2.09	0.450	0.30	1.79	
M8W3B7	0.242	0.29	0.55	0.082	0.70	0.91	0.676	-0.27	0.51	0.429	-0.34	1.28	
MAF3MF	0.275	1.94	0.40	0.081	0.63	0.77	0.691	0.04	0.38	0.489	1.52	0.40	
MC2YV7	0.285	2.45	2.81	0.087	1.24	2.22	0.812	2.41	3.39	0.499	1.82	2.67	
NDEXLA	0.216	-1.06	0.12	0.068	-0.76	0.21	0.629	-1.19	0.63	0.411	-0.89	0.26	
QQF7K3	0.257	1.04	0.11	0.079	0.36	0.00	0.724	0.68	0.22	0.466	0.80	0.29	
QZGTAE	0.207	-1.52	0.58	0.070	-0.56	0.00	0.607	-1.64	0.54	0.440	-0.01	0.00	
TB94QK	0.238	0.04	0.26	0.079	0.43	0.48	0.685	-0.10	0.40	0.423	-0.53	0.43	
UPML67	0.247	0.51	0.58	0.090	1.54	0.00	0.697	0.14	0.54	0.443	0.10	0.78	
V7PNDX	0.230	-0.34	0.00	0.070	-0.56	0.00	0.657	-0.65	0.21	0.423	-0.52	0.39	
VELMNJ	0.302	3.29X	0.22	0.097	2.23	0.11	0.883	3.81X	0.11	0.546	3.28X	0.16	
WTZ9M4	0.234	-0.15	0.50	0.077	0.14	0.39	0.683	-0.13	0.23	0.449	0.28	1.68	
WWFHYL	0.247	0.52	0.10	0.075	0.00	0.15	0.696	0.12	0.11	0.451	0.33	0.18	
XGZU84	0.217	-1.01	2.52	0.070	-0.56	2.53	0.573	-2.29	3.11	0.393	-1.45	2.73	
XQ7LRR	0.268	1.59	1.18	0.074	-0.12	0.25	0.725	0.70	0.25	0.493	1.65	0.58	
YAJLEZ	0.232	-0.22	0.86	0.075	-0.06	0.43	0.697	0.15	0.54	0.444	0.13	1.15	
ZBNVHH	0.227	-0.51	0.58	0.073	-0.21	1.68	0.680	-0.19	1.23	0.423	-0.52	1.95	

Mg (SubTestCode 215) in the Wet Digestion Property Groups					Data units: Percent	
	SRB2201		SRB2202		SRB2203	
Grand Median	0.24		0.075		0.69	
Median Abs Dev	0.01		0.005		0.02	
Avg Within Lab SD	0.01		0.004		0.03	
Labs Included	44		44		44	
Labs Reporting	45		44		45	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

S (SubTestCode 216) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
382Q7P	0.45	-0.67	0.24	0.14	-1.57	0.89	0.19	-0.06	0.71	0.20	-0.66	1.26	
3N7Z7P	0.46	-0.37	0.14	0.16	-0.20	0.40	0.18	-0.43	0.26	0.21	0.14	0.14	
6DERVP	0.51	0.54	1.05	0.16	0.24	0.99	0.19	-0.24	0.75	0.21	-0.07	0.71	
7KBMVA	0.41	-1.39	2.26	0.16	-0.05	1.34	0.18	-0.72	0.63	0.20	-0.63	2.07	
7L9XPQ	0.49	0.16	0.22	0.16	-0.18	0.27	0.21	0.51	0.31	0.21	0.25	0.46	
84ZKA7	0.48	-0.10	0.22	0.16	0.20	0.77	0.22	0.89	1.09	0.21	0.06	0.90	
8L3X9N	0.48	-0.07	0.08	0.17	0.47	0.27	0.19	-0.08	0.22	0.21	0.02	0.75	
8T66RW	0.45	-0.56	1.08	0.16	-0.07	1.54	0.22	0.75	0.74	0.21	-0.11	1.43	
A66UDM	0.56	1.63	0.90	0.19	2.13	1.81	0.22	1.06	1.28	0.25	2.17	1.57	
A76LRH	0.44	-0.84	0.04	0.15	-0.91	0.56	0.18	-0.48	0.23	0.20	-0.42	0.05	
AHUREL	0.48	0.03	0.45	0.16	-0.29	0.77	0.20	0.02	0.63	0.21	0.23	0.52	
AQB6JC	0.47	-0.17	0.22	0.17	0.44	0.77	0.18	-0.60	0.00	0.20	-0.46	0.00	
AZBTC9	0.52	0.78	0.39	0.17	0.69	0.00	0.21	0.64	0.63	0.24	1.61	0.00	
CBQEHF	0.50	0.39	0.35	0.18	1.49	1.29	0.24	1.71	1.08	0.23	1.02	1.48	
CKTJNA	0.50	0.33	0.66	0.15	-1.03	1.27	0.20	-0.02	1.91	0.20	-0.47	0.85	
D8M7NP	0.44	-0.77	1.27	0.16	-0.06	0.46	0.19	-0.28	0.38	0.20	-0.51	0.19	
EAP9AJ	0.38	-2.14	0.06	0.14	-1.84	0.08	0.16	-1.19	0.70	0.17	-1.97	1.03	
ENMKF3	0.50	0.31	0.00	0.17	0.61	0.00	0.19	-0.12	0.00	0.21	0.21	0.00	
EWWM24	0.49	0.17	0.39	0.17	0.69	0.00	0.20	0.14	0.00	0.21	0.23	0.52	
EXBBZA	0.49	0.11	0.63	0.15	-0.54	0.81	0.21	0.33	0.19	0.21	0.09	0.45	
F6MUXE	0.47	-0.18	0.19	0.15	-0.46	0.89	0.14	-2.08	0.41	0.17	-1.92	0.60	
F8V6RW	0.51	0.51	0.22	0.19	2.15	0.00	0.28	3.11X	0.00	0.24	1.44	0.52	
GDGCVM	0.50	0.37		0.16	0.20	0.77	0.20	0.14	1.09	0.22	0.75	0.52	
GH7WTB	0.47	-0.25	0.12	0.16	-0.38	0.27	0.18	-0.52	0.17	0.20	-0.49	0.28	
J4ZF4L	0.46	-0.48	1.74	0.16	-0.02	0.20	0.20	0.29	1.26	0.19	-0.89	1.04	
JEJRHJ	0.42	-1.26	0.39	0.15	-1.03	1.54	0.18	-0.60	1.89	0.19	-0.80	2.89	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

S (SubTestCode 216) in the Wet Digestion Property Groups													Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
JJDV6W	0.48	0.04	0.40	0.15	-0.63	1.43	0.22	0.72	0.33	0.21	0.19	0.05		
KLXV4C	0.41	-1.53	0.59	0.13	-2.25	1.34	0.17	-0.97	1.09	0.18	-1.49	0.90		
LYGYPD	0.49	0.16	1.78	0.17	0.44	1.77	0.19	-0.07	1.96	0.21	0.02	1.45		
M7X23U	0.59	2.27	3.86	0.16	-0.29	0.77	0.17	-0.97	0.00	0.19	-0.80	0.52		
M8W3B7	0.49	0.14	0.37	0.16	-0.17	0.34	0.24	1.48	0.55	0.21	-0.04	0.80		
MAF3MF	0.59	2.15	0.17	0.18	1.42	0.00	0.24	1.50	0.33	0.24	1.78	0.23		
MC2YV7	0.57	1.72	1.84	0.18	1.51	2.12	0.25	1.97	2.67	0.24	1.69	1.62		
QQF7K3	0.52	0.69	0.16	0.16	0.27	0.08	0.21	0.68	0.12	0.21	0.22	0.20		
QZGTAE	0.48	0.03	0.22	0.16	0.20	0.77	0.22	1.01	0.63	0.22	0.75	0.52		
TB94QK	0.48	0.00	0.13	0.16	0.23	0.24	0.19	-0.19	0.31	0.20	-0.41	0.83		
UPML67	0.47	-0.31	0.22	0.16	0.20	0.77	0.20	0.02	0.63	0.20	-0.46	0.90		
V7PNDX	0.42	-1.32	0.22	0.14	-1.52	0.00	0.19	-0.23	0.00	0.18	-1.32	0.52		
VELMNJ	0.48	-0.07	0.25	0.17	0.35	0.09	0.24	1.75	0.04	0.21	0.20	0.17		
WTZ9M4	0.45	-0.63	0.50	0.16	0.00	1.39	0.18	-0.48	0.77	0.21	-0.01	0.85		
WWFHYL	0.51	0.67	0.02	0.17	0.34	0.20	0.20	0.04	0.28	0.21	0.20	0.10		
XGZU84	0.46	-0.37	2.36	0.17	0.69	2.32	0.17	-1.10	3.15	0.20	-0.46	2.38		
XQ7LRR	0.56	1.53	0.92	0.17	0.37	0.34	0.22	0.91	0.28	0.24	1.69	0.66		
YAJLEZ	0.43	-0.99	0.30	0.15	-0.53	0.56	0.24	1.47	0.77	0.21	0.00	1.06		
ZBNVHH	0.43	-1.12	0.22	0.15	-1.03	2.04	0.19	-0.23	1.09	0.19	-0.97	0.90		

S (SubTestCode 216) in the Wet Digestion Property Groups					Data units: Percent			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	0.48		0.16		0.20		0.21	
Median Abs Dev	0.02		0.01		0.02		0.01	
Avg Within Lab SD	0.03		0.01		0.01		0.01	
Labs Included	45		45		44		45	
Labs Reporting	45		45		45		45	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na (SubTestCode 217) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	0.02	-0.45	0.25	0.09	-0.81	0.24	0.03	-0.62	0.27	0.01	-0.49	0.64
6DERVP	0.02	-0.37	0.23	0.09	-1.14	0.50	0.03	-0.70	0.30	0.01	-0.54	0.17
7L9XPQ	0.02	-0.41	0.08	0.08	-1.49	0.21	0.03	-0.69	0.17	0.01	-0.73	0.14
8L3X9N	0.03	0.63	0.43	0.11	0.70	0.54	0.03	0.27	0.27	0.02	0.80	0.84
8T66RW	0.05	5.01X	6.08	0.11	0.20	1.56	0.04	1.73	1.17	0.03	2.35	2.30
A66UDM	0.02	-0.38	0.37	0.09	-0.97	0.05	0.03	-0.88	0.26	0.01	-0.61	0.21
A76LRH	0.01	-2.33	0.25	0.07	-2.42	0.20	0.02	-2.50	0.71	0.00	-2.10	0.64
AHUREL				0.11	0.10	0.17	0.04	0.55	0.63			
D8M7NP	0.03	1.00	0.37	0.11	0.33	0.86	0.04	0.95	1.26	0.02	1.12	1.32
EAP9AJ	0.02	-0.06	1.10	0.09	-0.78	0.14	0.03	-0.34	0.16	0.02	-0.07	0.10
ENMKF3	0.02	0.08	0.00	0.11	0.26	0.00	0.03	0.21	0.00	0.02	0.54	0.00
EWWM24	0.02	-0.34	0.00	0.11	0.72	1.18	0.03	-0.41	0.00	0.01	-1.11	0.00
EXBBZA	0.02	-0.12	0.50	0.10	-0.58	0.66	0.03	-0.15	0.27	0.01	-0.43	0.84
F6MUXE	0.02	-0.54	0.10	0.07	-2.87	0.15	0.04	1.59	0.02	0.05	6.70X	0.13
F8V6RW	0.04	3.44	2.48	0.14	2.80X	0.00	0.05	2.72	0.00	0.03	2.59	0.00
GH7WTB	0.02	0.25	0.17	0.11	0.59	0.14	0.03	0.17	0.45	0.02	-0.05	0.31
J4ZF4L	0.02	-0.61	0.25	0.10	-0.26	0.62	0.03	-1.19	2.13	0.01	-0.93	1.46
JEJRHJ	0.04	3.44	2.48	0.13	2.02	2.05	0.06	4.80X	2.68	0.05	6.30X	5.53
JJDV6W	0.02	-0.31	0.24	0.10	-0.18	1.78	0.03	-0.41	0.34	0.01	-0.41	0.40
KLXV4C	0.02	0.09	0.89	0.09	-0.96	0.31	0.03	-0.52	0.71	0.02	0.00	0.55
LYGYPD				0.11	0.25	1.39						
M7X23U	0.03	1.17	2.59	0.09	-0.73	1.39	0.03	0.16	1.88	0.02	0.62	1.28
M8W3B7	0.02	0.36	0.25	0.11	0.36	0.12	0.03	0.16	0.54	0.02	-0.06	0.64
MC2YV7	0.02	0.27	0.80	0.11	0.68	2.20	0.04	0.52	1.65	0.02	0.14	0.41
NDEXLA	0.02	-0.02	0.21	0.10	-0.52	0.50	0.03	-0.06	0.15	0.02	0.08	0.22
QQF7K3	0.02	0.45	0.28	0.10	0.04	0.00	0.04	0.37	0.00	0.02	0.04	0.34



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
QZGTAE	0.02	-0.39	0.25	0.10	-0.13	0.12	0.03	-0.83	0.27	0.01	-0.49	0.32	
TB94QK	0.03	1.03	1.41	0.11	0.80	1.03	0.04	1.01	1.90	0.02	0.86	2.28	
UPML67	0.04	2.36	2.48	0.13	1.76	2.36	0.04	1.67	2.68	0.03	1.98	3.19	
V7PNDX	0.02	-0.34	0.00	0.10	-0.32	0.00	0.03	-0.41	0.00	0.01	-1.11	0.00	
VELMNJ	0.02	-0.08	0.02	0.10	-0.20	0.09	0.03	-0.20	0.10	0.02	0.19	0.23	
WTZ9M4	0.02	0.31	0.43	0.10	-0.06	0.92	0.03	0.32	1.07	0.02	0.06	0.84	
WWFHYL	0.02	0.15	0.00	0.11	0.12	0.43	0.03	-0.05	0.27	0.01	-0.25	0.32	
XGZU84	0.02	-0.07	1.08	0.10	0.05	2.05	0.03	-0.46	2.34	0.05	7.10X	36.24	
XQ7LRR	0.02	0.37	0.41	0.11	0.20	0.62	0.03	0.05	0.14	0.02	0.11	0.25	
YAJLEZ	0.02	0.00	0.67	0.10	0.00	0.37	0.03	0.07	0.52	0.02	0.04	0.31	

Na (SubTestCode 217) in the Wet Digestion Property Groups					Data units: Percent	
	SRB2201		SRB2202		SRB2204	
Grand Median	0.022		0.10		0.016	
Median Abs Dev	0.002		0.01		0.003	
Avg Within Lab SD	0.002		0.00		0.002	
Labs Included	33		35		31	
Labs Reporting	34		36		34	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	79.4	-0.65	0.36	51.9	-0.72	0.19	174.1	-0.93	0.98	414.9	-0.49	0.32
6DERVP	84.6	-0.52	0.67	63.0	-0.34	0.49	188.3	-0.65	0.57	411.8	-0.51	1.01
7L9XPQ	157.3	1.18	0.70	107.4	1.17	0.67	291.2	1.37	0.47	623.3	0.86	2.06
8L3X9N	174.3	1.58	0.77	111.3	1.30	0.48	289.6	1.34	0.42	691.7	1.31	0.40
A66UDM	91.5	-0.36	0.53	67.7	-0.18	0.10	202.7	-0.37	0.56	437.0	-0.34	0.59
AHUREL	89.9	-0.40	0.95	60.0	-0.44	1.33	218.7	-0.06	0.37	571.0	0.52	1.58
D8M7NP	142.4	0.83	1.29	111.2	1.29	3.05	258.5	0.73	3.45	528.5	0.25	1.83
EAP9AJ	86.1	-0.49	0.04	62.1	-0.37	0.39	190.8	-0.61	0.25	349.2	-0.91	0.70
ENMKF3	135.1	0.66	0.00	84.0	0.37		255.1	0.66	0.00	490.0	0.00	
EWWM24	105.0	-0.05	0.64	60.0	-0.44	0.24	172.3	-0.97	1.04	317.7	-1.12	0.30
GH7WTB	165.9	1.38	0.24	118.3	1.53	0.99	274.4	1.04	0.26	646.0	1.01	0.60
JEJRHJ	68.0	-0.91	0.16	61.3	-0.40	0.60	157.0	-1.27	1.46	331.3	-1.03	1.18
JJDV6W	143.3	0.85	0.98	104.9	1.08	1.75	233.3	0.23	0.50	543.8	0.35	0.82
M8W3B7	92.3	-0.34	0.74	65.7	-0.25	0.18	207.6	-0.27	1.24	399.9	-0.58	0.71
NDEXLA	187.3	1.88	0.37	115.3	1.43	0.27	300.7	1.56	0.35	831.7	2.21	1.76
QQF7K3	155.1	1.13	0.55	105.3	1.09	0.86	278.4	1.12	0.37	588.5	0.64	0.56
QZGTAE	167.7	1.42	0.98	128.0	1.86	1.03	226.3	0.09	0.35	641.0	0.98	0.28
UPML67	100.3	-0.16	0.87	66.8	-0.21	0.59	221.6	0.00	1.30	431.9	-0.38	0.13
V7PNDX	97.2	-0.23	0.81	62.6	-0.36	0.32	182.8	-0.76	0.21	399.6	-0.59	0.13
VELMNJ	119.1	0.28	0.59	91.0	0.61	1.37	248.6	0.53	0.44	595.0	0.68	0.73
WWFHYL	107.0	0.00	0.55	73.1	0.00	0.63	214.7	-0.14	0.36	473.3	-0.11	0.16
XQ7LRR	110.0	0.07	0.58	73.0	0.00	0.78	237.0	0.30	1.10	520.3	0.20	0.88
YAJLEZ	101.1	-0.14	3.56	74.5	0.05	0.32	195.8	-0.51	0.38	420.1	-0.45	1.39



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

	SRB2201	SRB2202	SRB2203	SRB2204
Grand Median	107.0	73.1	221.6	490.0
Median Abs Dev	22.4	13.1	33.3	90.1
Avg Within Lab SD	6.2	4.2	8.7	23.4
Labs Included	23	23	23	23
Labs Reporting	23	23	23	23



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

B (SubTestCode 219) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	16.04	-0.51	0.77	2.44	-0.92	0.95	39.40	-0.25	0.27	27.57	-0.62	0.18
3N7Z7P	18.54	0.93	0.51	3.40	-0.20	0.03	44.57	1.18	0.34	33.00	1.18	
6DERVP	18.33	0.81	1.00	3.50	-0.13	0.27	42.30	0.56	0.40	31.07	0.54	0.76
7KBMVA	17.87	0.54	0.35	5.52	1.38	0.15	37.31	-0.83	0.10	30.99	0.51	0.12
7L9XPQ	16.50	-0.25	0.19	3.41	-0.20	0.01	40.98	0.19	0.30	27.53	-0.64	0.39
84ZKA7	16.43	-0.28	0.06	3.67	0.00	0.03	44.73	1.23	0.14	31.50	0.68	0.06
8L3X9N	15.97	-0.55	0.16	3.43	-0.18	0.10	37.97	-0.65	0.22	26.97	-0.82	0.77
8T66RW	17.47	0.31	2.14	5.35	1.25	1.79	38.44	-0.52	1.82	25.48	-1.32	2.25
A66UDM	18.23	0.75	1.07	3.36	-0.23	0.14	39.13	-0.32	0.19	29.13	-0.10	0.30
A76LRH	15.97	-0.55	1.43	4.77	0.82	1.04	37.65	-0.74	0.18	30.44	0.33	0.68
AHUREL	19.53	1.50	3.66	5.76	1.56	4.51	44.10	1.06	2.08	34.67	1.74	3.14
AQB6JC	16.33	-0.34	0.58	6.53	2.14	0.19	37.67	-0.73	0.31	28.67	-0.26	0.37
AZBTC9	17.87	0.54	0.06	4.10	0.32	0.22	42.80	0.69	0.05	30.20	0.25	0.22
CBQEHF	23.54	3.81X	7.75	15.87	9.10X	11.93	52.13	3.29X	4.07	39.40	3.31X	4.64
CKTJNA	18.51	0.91	0.62	3.40	-0.20	0.39	43.32	0.84	1.98	29.39	-0.02	1.15
D8M7NP	21.72	2.76X	1.69	9.10	4.05X	3.50	44.14	1.07	2.06	32.87	1.14	2.48
EAP9AJ	16.56	-0.21	0.07	4.94	0.95	0.20	36.87	-0.95	0.60	24.95	-1.50	0.13
ENMKF3	17.60	0.39	0.00	4.18	0.38	0.00	41.30	0.28	0.00	29.20	-0.08	0.00
EWWM24	18.33	0.81	0.58	3.67	0.00	0.73	42.67	0.66	0.31	30.00	0.18	
EXBBZA	15.70	-0.70	0.46				40.30	0.00	0.34	26.03	-1.14	0.68
F6MUXE	15.77	-0.66	0.41	9.15	4.09X	0.33	38.90	-0.39	0.31	33.21	1.25	0.88
F8V6RW	15.10	-1.05	0.67	3.79	0.09	2.11	34.27	-1.67	0.29	28.65	-0.27	0.39
GH7WTB	17.21	0.17	0.23	3.75	0.06	0.07	39.72	-0.16	0.36	29.97	0.18	0.34
J4ZF4L	17.37	0.25	1.56	4.64	0.73	0.06	40.30	0.00	0.53	29.50	0.02	0.64
JEJRHJ	16.40	-0.30	0.86	6.07	1.79	1.15	33.63	-1.85	1.85	22.13	-2.43	1.14
JJDV6W	18.04	0.64	0.40	3.82	0.11	0.55	40.64	0.09	0.04	28.86	-0.20	0.41



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

B (SubTestCode 219) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	14.63	-1.32	0.51	1.93	-1.30	0.72	34.17	-1.70	0.32	20.23	-3.06X	0.61	
LYGYPD	19.57	1.52	1.58	4.06	0.29	1.08	40.63	0.09	1.61	28.40	-0.35	1.37	
M7X23U	14.33	-1.49	0.58	3.47	-0.15	0.53	36.33	-1.10	0.62	26.00	-1.15	0.64	
M8W3B7	18.70	1.02	1.16	4.90	0.92	0.25	40.37	0.02	0.72	29.70	0.08	0.89	
MAF3MF	16.67	-0.15	0.20				41.14	0.23	0.97	29.87	0.14	0.59	
MC2YV7	18.66	1.00	1.75	2.35	-0.99	0.66	46.82	1.81	2.59	31.03	0.53	1.29	
NDEXLA	15.87	-0.61	0.15	3.02	-0.49	0.06	40.40	0.03	0.23	31.13	0.56	0.97	
QQF7K3	16.70	-0.13	0.00	2.07	-1.19	0.00	42.44	0.60	0.00	26.46	-0.99	0.00	
QZGTAE	16.00	-0.53		4.00	0.25		38.00	-0.64	0.54	32.67	1.07	0.37	
UPML67	21.13	2.42	0.48	8.00	3.23	1.56	48.10	2.17	0.79	33.37	1.30	0.86	
V7PNDX	14.91	-1.16	0.28	2.03	-1.22	0.04	37.45	-0.79	0.11	25.55	-1.30	0.18	
VELMNJ	16.79	-0.08	0.36	3.40	-0.20	0.43	39.71	-0.17	0.22	27.58	-0.62	0.03	
WTZ9M4	17.77	0.48	0.25	4.23	0.42	0.07	41.63	0.37	1.49	30.20	0.25	1.24	
WWFHYL	18.03	0.63	0.24	3.33	-0.25	0.06	42.65	0.65	0.09	29.66	0.07	0.20	
XGZU84	16.53	-0.23	1.50	3.87	0.15	0.32	36.77	-0.98	2.17	28.67	-0.26	1.20	
XQ7LRR	18.50	0.91	0.53	3.37	-0.23	0.07	42.13	0.51	0.41	31.47	0.67	0.41	
YAJLEZ	15.86	-0.61	1.10	1.91	-1.31	0.12	40.21	-0.02	0.21	24.88	-1.52	0.80	
ZBNVHH	17.07	0.08	0.78	3.56	-0.08	0.48	39.53	-0.21	1.59	29.23	-0.07	1.18	

B (SubTestCode 219) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	16.9	3.67	40.3	29.4		
Median Abs Dev	1.0	0.43	2.3	1.7		
Avg Within Lab SD	1.0	0.79	1.9	1.6		
Labs Included	42	39	43	42		
Labs Reporting	44	42	44	44		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Zn (SubTestCode 220) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	21.4	-0.99	1.38	17.2	-0.87	0.58	49.6	-0.67	1.36	36.1	-0.56	0.46
3N7Z7P	25.6	0.45	0.28	18.0	-0.51	0.44	54.0	0.02	0.36	45.4	1.75	0.30
6DERVP	22.6	-0.58	0.41	18.0	-0.50	0.83	50.8	-0.49	0.23	37.2	-0.29	0.35
7KBMVA	22.2	-0.73	0.49	17.9	-0.56	1.32	49.8	-0.65	0.51	35.7	-0.66	0.70
7L9XPQ	25.2	0.29	0.19	18.8	-0.15	0.15	57.0	0.49	0.28	39.9	0.38	0.41
84ZKA7	23.2	-0.37	0.17	18.0	-0.50	0.11	49.0	-0.78	0.05	35.9	-0.60	0.09
8L3X9N	23.3	-0.33	0.22	21.0	0.87	0.27	49.0	-0.78	0.21	36.3	-0.51	0.29
8T66RW	19.1	-1.79	0.76	15.8	-1.54	0.34	38.9	-2.37	1.04	28.5	-2.44	1.73
A66UDM	23.4	-0.31	0.49	18.1	-0.47	0.13	50.0	-0.62	0.27	36.4	-0.48	0.30
A76LRH	25.2	0.29	0.26	19.1	0.00	0.26	56.2	0.37	0.62	41.7	0.84	0.65
AHUREL	27.5	1.09	0.24	18.7	-0.19	0.15	60.7	1.08	0.29	40.9	0.64	0.16
AQB6JC	24.7	0.12	0.40	20.0	0.40		59.7	0.91	0.26	39.0	0.16	
AZBTC9	30.9	2.25	0.10	21.5	1.08	0.42	61.8	1.24	0.46	46.7	2.08	1.08
CBQEHF	27.3	1.03	1.05	22.0	1.32		58.0	0.65	0.45	43.7	1.32	2.80
CKTJNA	25.9	0.54	0.21	16.5	-1.19	0.57	54.3	0.06	1.78	37.2	-0.29	0.91
D8M7NP	26.1	0.61	2.67	22.4	1.50	1.63	57.6	0.59	0.33	41.3	0.73	0.34
EAP9AJ	21.7	-0.91	0.91	19.0	-0.04	0.71	45.2	-1.37	0.71	32.9	-1.35	1.06
ENMKF3	23.1	-0.41	0.00	18.6	-0.24	0.00	51.8	-0.33	0.00	37.3	-0.26	0.00
EWWM24	24.7	0.12	0.40	20.0	0.40		54.3	0.07	0.53	38.7	0.08	0.28
EXBBZA	23.8	-0.18	0.56	18.0	-0.53	0.80	54.0	0.01	0.77	38.1	-0.06	0.44
F6MUXE	25.6	0.44	0.20	20.1	0.46	0.59	42.6	-1.78	0.17	35.6	-0.68	0.84
F8V6RW	39.4	5.11X	0.25	38.5	8.91X	0.19	71.7	2.81X	0.69	64.2	6.39X	0.40
GH7WTB	22.8	-0.51	0.27	18.6	-0.25	0.14	47.0	-1.09	0.28	36.3	-0.49	0.37
J4ZF4L	23.9	-0.16	1.20	18.8	-0.15	0.44	51.5	-0.38	0.49	36.8	-0.38	0.59
JEJRHJ	24.0	-0.11		23.3	1.93	4.22	57.0	0.49	1.98	38.3	0.00	2.89
JJDV6W	24.6	0.11	0.38	19.9	0.37	0.90	55.8	0.30	0.53	39.4	0.27	0.82



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Zn (SubTestCode 220) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	37.0	4.31X	0.52	23.7	2.09	0.43	77.3	3.69X	0.72	44.6	1.56	0.41	
LYGYPD	32.1	2.66	3.79	24.7	2.56	1.75	56.0	0.33	1.36	41.8	0.87	1.37	
M7X23U	23.7	-0.22	0.40	20.0	0.40		52.0	-0.30	1.20	37.3	-0.25	0.57	
M8W3B7	25.2	0.31	0.58	19.6	0.24	0.59	55.0	0.17	0.34	39.1	0.19	0.64	
MAF3MF							13.0	-6.45X					
MC2YV7	27.8	1.19	2.35	21.2	0.94	1.37	62.7	1.39	3.83	58.8	5.06X	6.69	
NDEXLA	21.9	-0.82	0.12	17.4	-0.77	0.26	52.1	-0.28	0.67	37.4	-0.24	0.03	
QQF7K3	25.9	0.53	0.12	19.2	0.04	0.19	59.8	0.93	0.22	41.1	0.69	0.20	
QZGTAE	22.3	-0.67	0.40	18.7	-0.21	0.42	52.3	-0.24	0.69	42.0	0.91		
TB94QK	29.7	1.84	0.66	23.3	1.90	1.08	58.8	0.78	0.17	44.0	1.40	1.72	
UPML67	24.7	0.12	0.61	19.7	0.27	0.64	56.6	0.42	1.13	39.9	0.38	1.27	
V7PNDX	22.7	-0.54	0.16	18.6	-0.25	0.22	50.8	-0.49	0.35	36.0	-0.57	0.08	
VELMNJ	23.7	-0.20	0.16	20.6	0.69	0.14	47.7	-0.97	0.32	34.5	-0.94	0.08	
WTZ9M4	21.9	-0.81	0.49	18.0	-0.50	1.15	48.4	-0.87	1.26	37.0	-0.34	0.76	
WWFHYL	25.2	0.30	0.08	19.0	-0.06	0.08	54.5	0.10	0.27	39.3	0.24	0.03	
XGZU84	20.1	-1.45	1.20	19.7	0.25	0.22	38.3	-2.46	2.08	32.7	-1.40	1.66	
XQ7LRR	26.1	0.60	0.64	18.3	-0.36	0.23	54.7	0.13	0.27	39.8	0.37	0.32	
YAJLEZ	23.5	-0.28	0.94	19.5	0.15	0.77	48.4	-0.87	0.56	38.4	0.01	1.37	
ZBNVHH	27.5	1.09	1.31	21.9	1.29	1.69	53.8	-0.01	1.16	52.0	3.39X	1.21	

Zn (SubTestCode 220) in the Wet Digestion Property Groups					Data units: mg/kg			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	24.3		19.1		53.9		38.3	
Median Abs Dev	1.5		1.0		3.4		2.0	
Avg Within Lab SD	1.5		1.4		2.2		2.0	
Labs Included	42		43		42		41	
Labs Reporting	44		44		45		44	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mn (SubTestCode 221) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	60.1	-0.13	0.40	26.4	-0.34	0.26	106.9	-0.36	0.37	102.5	0.15	0.97
3N7Z7P	64.0	0.55	0.40	24.6	-1.09	0.54	115.0	0.49	0.44	112.5	1.49	0.70
6DERVP	63.5	0.45	1.26	27.2	-0.02	1.11	114.0	0.38	1.02	106.3	0.66	1.45
7KBMVA	51.3	-1.68	0.45	21.9	-2.18	0.39	100.8	-0.99	1.02	89.0	-1.65	0.55
7L9XPQ	61.5	0.11	0.25	26.3	-0.39	0.29	112.3	0.20	0.32	99.9	-0.20	0.59
84ZKA7	59.9	-0.17	0.35	28.5	0.51	0.36	110.3	0.00	0.13	99.0	-0.31	0.48
8L3X9N	61.3	0.08	0.08	28.8	0.62	0.31	110.5	0.01	0.32	101.7	0.04	0.80
8T66RW	48.6	-2.15	1.62	22.0	-2.14	1.49	80.3	-3.13X	0.89	73.4	-3.74X	1.49
A66UDM	61.9	0.18	0.78	26.2	-0.44	0.18	107.7	-0.28	0.46	98.8	-0.33	0.47
A76LRH	58.3	-0.45	0.37	26.1	-0.46	0.31	105.6	-0.49	0.29	98.8	-0.34	0.73
AHUREL	64.7	0.66	0.37	27.7	0.18	0.55	114.0	0.38	0.22	105.3	0.53	0.43
AQB6JC	58.3	-0.45	0.23	29.0	0.70		103.7	-0.69	0.13	95.0	-0.85	
AZBTC9	63.1	0.39	0.72	28.3	0.43	0.05	112.7	0.24	0.13	108.0	0.89	0.97
CBQEHF	67.7	1.19	2.45	31.0	1.51	2.37	114.7	0.45	1.09	101.3	0.00	1.59
CKTJNA	65.2	0.76	0.74	25.9	-0.56	1.21	114.3	0.42	1.78	96.8	-0.61	1.29
D8M7NP	57.4	-0.61	1.85	27.3	0.00	0.42	104.6	-0.60	0.49	97.7	-0.49	0.38
EAP9AJ	53.6	-1.27	0.25	25.6	-0.69	0.27	98.4	-1.24	0.51	86.9	-1.93	0.18
ENMKF3	61.2	0.06	0.00	27.3	0.01	0.00	111.0	0.07		102.1	0.10	0.00
EWWM24	65.0	0.72	0.40	28.3	0.43	0.52	115.0	0.49	0.22	104.3	0.40	0.16
EXBBZA	60.2	-0.12	0.12	25.2	-0.86	0.26	112.0	0.17	0.44	98.8	-0.34	0.59
F6MUXE	54.8	-1.07	0.29	26.7	-0.24	0.12	98.2	-1.26	0.32	94.7	-0.88	0.09
F8V6RW	61.8	0.16	0.42	27.8	0.19	0.16	115.6	0.55	0.35	101.7	0.05	0.43
GH7WTB	57.9	-0.51	0.22	26.8	-0.21	0.39	98.7	-1.21	0.09	93.5	-1.04	0.67
J4ZF4L	60.0	-0.16	2.46	28.3	0.43	0.31	104.3	-0.62	0.55	94.8	-0.87	0.53
JEJRHJ	63.3	0.43	1.01	29.7	0.97	1.37	123.7	1.39	2.31	107.0	0.76	1.22
JJDV6W	64.8	0.69	0.59	28.4	0.44	1.82	115.4	0.53	0.23	103.7	0.32	0.15



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mn (SubTestCode 221) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
KLXV4C	51.7	-1.61	0.56	23.4	-1.57	0.64	92.1	-1.89	0.28	84.8	-2.21	0.27
LYGYPD	63.1	0.40	1.85	30.0	1.12	1.63	112.7	0.24	1.83	102.5	0.16	1.37
M7X23U	58.0	-0.50	0.80	27.3	0.02	1.04	106.7	-0.38	1.27	98.0	-0.45	0.74
M8W3B7	66.4	0.96	0.32	28.2	0.37	0.27	119.2	0.93	0.59	105.8	0.60	1.46
MAF3MF	59.0	-0.33	0.40	19.0	-3.37X		102.7	-0.80	0.67	103.7	0.31	0.43
MC2YV7	72.8	2.10	2.23	31.8	1.85	2.22	130.7	2.13	2.98	116.6	2.04	2.12
NDEXLA	60.7	-0.02	0.52	26.7	-0.25	0.21	110.3	0.00	0.51	103.3	0.27	0.32
QQF7K3	67.8	1.22	0.27	27.9	0.25	0.05	122.4	1.25	0.10	109.2	1.05	0.09
QZGTAE	52.7	-1.44	0.46	25.0	-0.93	0.90	98.7	-1.21	0.34	103.0	0.22	
TB94QK	64.5	0.63	0.55	29.4	0.88	0.42	115.6	0.55	0.18	104.4	0.41	0.28
UPML67	59.5	-0.24	0.51	25.5	-0.71	1.83	108.0	-0.24	0.51	95.3	-0.81	0.54
V7PNDX	55.2	-0.99	0.48	21.7	-2.26	0.36	101.8	-0.89	0.24	91.8	-1.27	0.13
VELMNJ	87.6	4.69X	0.11	41.3	5.70X	0.28	152.7	4.42X	0.06	139.3	5.08X	0.24
WTZ9M4	60.9	0.01	0.34	28.4	0.46	1.03	107.0	-0.35	0.96	100.0	-0.18	1.85
WWFHYL	65.6	0.83	0.23	29.0	0.72	2.00	114.5	0.43	0.20	105.3	0.52	0.14
XGZU84	54.8	-1.07	2.30	26.8	-0.18	1.95	90.7	-2.05	2.91	90.9	-1.39	2.51
XQ7LRR	68.4	1.32	1.00	26.7	-0.25	0.40	116.3	0.62	0.34	110.7	1.25	0.43
YAJLEZ	60.8	-0.01	0.81	27.8	0.20	0.61	104.0	-0.66	0.21	99.3	-0.28	1.76
ZBNVHH	56.4	-0.78	1.25	25.0	-0.94	1.04	102.2	-0.85	1.71	98.9	-0.33	2.02

Mn (SubTestCode 221) in the Wet Digestion Property Groups

Data units: mg/kg

	SRB2201	SRB2202	SRB2203	SRB2204
Grand Median	60.9	27.3	110.3	101.3
Median Abs Dev	3.0	1.1	5.1	3.6
Avg Within Lab SD	2.5	1.1	4.5	3.6
Labs Included	44	43	43	43
Labs Reporting	45	45	45	45



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Fe (SubTestCode 222) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	176.6	0.51	0.47	257.1	0.88	0.44	249.1	0.48	1.37	1,058.7	0.66	1.12
3N7Z7P	99.0	-2.11	0.15	147.0	-2.74	0.15	143.0	-3.27	0.27	539.0	-2.40	0.55
6DERVP	138.3	-0.78	0.46	198.4	-1.05	0.88	222.6	-0.46	0.81	867.5	-0.47	1.62
7KBMVA	155.6	-0.20	0.18	233.5	0.10	0.49	240.2	0.17	0.71	759.8	-1.10	0.32
7L9XPQ	182.6	0.71	0.07	241.1	0.35	0.44	265.8	1.07	0.30	989.9	0.25	0.97
84ZKA7	142.7	-0.64	0.24	198.0	-1.06	0.07	199.0	-1.29	0.09	757.0	-1.12	0.07
8L3X9N	169.6	0.27	0.11	239.2	0.29	0.13	235.5	0.00	0.11	952.7	0.04	0.52
8T66RW	178.7	0.58	1.47	183.2	-1.55	1.04	142.3	-3.29X	0.77	462.0	-2.85X	1.23
A66UDM	134.7	-0.91	0.48	205.3	-0.82	0.86	210.0	-0.90	0.91	824.3	-0.72	0.66
A76LRH	170.6	0.31	0.25	231.0	0.02	0.10	239.8	0.15	0.30	1,013.7	0.39	0.60
AHUREL	146.3	-0.51	0.32	220.7	-0.32	0.31	236.7	0.04	0.50	882.7	-0.38	0.72
AQB6JC	159.0	-0.08	0.30	211.7	-0.61	0.11	201.7	-1.19	0.50	857.0	-0.53	0.24
AZBTC9	185.3	0.81	0.31	254.7	0.80	0.36	265.0	1.04	0.27	1,093.3	0.86	0.31
CBQEHF	225.5	2.16	4.97	282.3	1.71	2.15	253.0	0.62	1.78	946.7	0.00	0.81
CKTJNA	184.8	0.79	0.64	226.6	-0.12	0.85	252.8	0.61	1.99	956.4	0.06	1.56
D8M7NP	173.4	0.40	1.38	244.0	0.45	0.27	247.1	0.41	0.96	1,041.1	0.56	0.78
EAP9AJ	118.2	-1.46	0.61	197.3	-1.08	0.50	200.3	-1.24	0.77	689.9	-1.51	0.29
ENMKF3	161.5	0.00		240.8	0.34	0.00	236.5	0.04		961.9	0.09	0.00
EWWM24	133.0	-0.96	0.27	201.3	-0.95	0.45	197.3	-1.35	0.56	638.0	-1.82	0.79
EXBBZA	139.7	-0.74	0.38	194.0	-1.19	0.64	220.3	-0.53	0.50	762.3	-1.09	1.44
F6MUXE	173.1	0.39	0.23	217.8	-0.41	0.10	222.8	-0.45	0.34	1,133.4	1.10	0.48
F8V6RW	189.4	0.94	0.45	258.3	0.92	0.86	262.9	0.97	0.18	1,050.6	0.61	0.89
GH7WTB	174.9	0.45	0.18	238.9	0.28	0.25	238.6	0.11	0.21	994.5	0.28	1.08
J4ZF4L	152.0	-0.32	1.22	230.3	0.00	0.11	228.7	-0.24	0.41	860.7	-0.51	0.56
JEJRHJ	168.3	0.23	0.57	276.7	1.52	3.72	234.7	-0.03	2.48	925.3	-0.13	2.19
JJDV6W	175.1	0.46	0.24	238.9	0.28	1.60	249.7	0.50	0.53	957.1	0.06	0.57



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Fe (SubTestCode 222) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	145.5	-0.54	0.30	208.3	-0.72	0.60	212.0	-0.83	0.64	786.3	-0.94	0.45	
M7X23U	120.0	-1.40		190.0	-1.32	0.74	187.0	-1.71	0.56	612.0	-1.97	0.19	
M8W3B7	159.0	-0.08	0.20	228.0	-0.08	0.32	246.7	0.40	0.47	860.0	-0.51	0.98	
MAF3MF	71.3	-3.05X	0.09	135.3	-3.12X	0.56	140.0	-3.37X	0.09	1,123.7	1.04	0.18	
MC2YV7	230.1	2.32	2.20	289.1	1.93	2.43	320.8	3.02X	5.10	1,105.6	0.94	2.13	
NDEXLA	173.0	0.39	0.08	222.7	-0.25	0.43	245.3	0.35	0.35	974.7	0.16	0.52	
QQF7K3	186.6	0.85	0.13	241.0	0.35	0.19	264.9	1.04	0.34	1,062.7	0.68	0.39	
QZGTAE	161.3	-0.01	0.31	230.0	-0.01	0.34	230.0	-0.19	0.33	1,068.0	0.71	0.09	
TB94QK	176.9	0.52	0.26	237.5	0.24	0.60	242.6	0.25	0.36	964.6	0.11	2.36	
UPML67	138.3	-0.78	0.46	209.0	-0.70	0.51	223.7	-0.42	0.50	810.4	-0.80	0.17	
V7PNDX	126.1	-1.20	0.14	200.0	-1.00	1.19	192.9	-1.50	0.26	750.8	-1.15	0.24	
VELMNJ	148.4	-0.44	0.24	230.0	-0.01	0.28	238.8	0.12	2.43	1,031.4	0.50	0.23	
WTZ9M4	171.3	0.33	0.58	231.3	0.03	1.29	234.3	-0.04	1.05	956.3	0.06	1.34	
WWFHYL	158.9	-0.09	0.59	250.1	0.65	1.32	230.7	-0.17	0.30	896.8	-0.29	0.25	
XGZU84	139.7	-0.74	1.11	236.3	0.20	1.51	194.7	-1.44	2.71	889.7	-0.34	1.80	
XQ7LRR	165.3	0.13	0.51	232.0	0.05	0.52	247.3	0.42	0.50	917.7	-0.17	1.01	
YAJLEZ	140.8	-0.70	0.46	213.1	-0.57	0.52	199.1	-1.29	0.15	681.0	-1.56	0.99	
ZBNVHH	183.3	0.74	0.39	262.0	1.04	0.64	244.7	0.33	1.69	1,003.0	0.33	1.73	

Fe (SubTestCode 222) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	161.5	230.3	235.5	946.7		
Median Abs Dev	16.0	17.2	12.9	89.7		
Avg Within Lab SD	13.2	13.6	11.0	37.8		
Labs Included	43	43	41	43		
Labs Reporting	44	44	44	44		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Cu (SubTestCode 223) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
382Q7P	4.69	-1.71	0.67	6.43	-1.05	0.28	5.96	-1.45	0.79	26.27	-0.26	0.14
3N7Z7P	5.47	-0.76	0.00	6.47	-1.02	0.04	6.30	-1.13	0.33	24.17	-1.30	0.05
6DERVP	6.02	-0.09	0.53	7.38	-0.14	0.53	7.64	0.14	0.46	27.31	0.25	0.75
7KBMVA	6.33	0.28	1.43	6.52	-0.97	0.49	6.16	-1.26	0.18	23.75	-1.51	0.86
7L9XPQ	6.33	0.28	0.39	7.29	-0.22	0.15	8.20	0.67	0.26	28.05	0.62	0.38
84ZKA7	5.77	-0.40	0.12	9.13	1.56	0.08	9.47	1.87	0.10	28.97	1.07	0.21
8L3X9N	5.61	-0.60	0.22	7.72	0.20	0.27	6.78	-0.68	0.26	25.24	-0.77	0.63
8T66RW	7.22	1.36	0.93	7.24	-0.27	0.95	8.27	0.74	1.12	24.44	-1.17	0.76
A66UDM	5.83	-0.32	0.57	7.22	-0.29	0.08	6.86	-0.60	0.18	25.27	-0.76	0.44
A76LRH	7.88	2.16	0.14	9.25	1.67	0.37	9.38	1.79	0.22	27.62	0.41	0.35
AHUREL	6.23	0.16	0.12	7.53	0.01	0.16	7.93	0.42	0.53	28.43	0.81	0.71
AQB6JC	6.00	-0.12		8.00	0.46		7.00	-0.46		26.33	-0.23	0.37
AZBTC9	4.87	-1.50	0.69	6.60	-0.89	0.36	4.47	-2.86X	0.51	27.20	0.20	0.34
CBQEHF	10.00	4.73X	7.03	9.53	1.94	0.43	8.57	1.02	1.34	26.97	0.08	0.71
CKTJNA	6.42	0.39	0.42	6.56	-0.93	0.52	8.02	0.50	1.37	27.62	0.41	0.89
D8M7NP	5.85	-0.31	1.21	7.51	-0.01	0.36	7.63	0.13	0.27	25.82	-0.48	0.22
EAP9AJ	5.63	-0.58	0.25	7.20	-0.31	0.23	8.33	0.80	2.11	24.24	-1.27	1.30
ENMKF3	5.64	-0.56	0.00	7.26	-0.26	0.00	6.92	-0.54	0.00	25.80	-0.49	0.00
EWWM24	6.33	0.28	1.24	8.67	1.11	0.78	7.00	-0.46		27.00	0.10	
EXBBZA	6.10	0.00	0.86	7.03	-0.47	0.61	7.87	0.36	0.83	26.80	0.00	0.47
F6MUXE	6.69	0.72	0.28	7.94	0.41	0.07	8.05	0.53	0.06	31.49	2.32	0.39
F8V6RW	8.40	2.79	2.10	9.86	2.26	0.82	7.89	0.38	2.26	28.83	1.01	1.33
GH7WTB	5.35	-0.90	0.20	6.78	-0.72	0.05	6.34	-1.09	0.17	22.25	-2.25	0.26
J4ZF4L	5.49	-0.74	0.95	7.35	-0.17	0.42	6.30	-1.13	0.36	25.57	-0.61	1.00
JEJRHJ	6.23	0.16	0.12	5.87	-1.60	4.41	7.97	0.45	0.75	25.83	-0.48	2.61
JJDV6W	4.94	-1.41	0.42	9.30	1.72	2.14	7.52	0.03	0.55	26.97	0.09	0.34



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Cu (SubTestCode 223) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KLXV4C	11.03	5.98X	0.81	8.53	0.98	0.88	7.13	-0.34	0.58	22.57	-2.09	0.82	
LYGYPD	6.58	0.58	2.81	7.84	0.31	1.46	8.05	0.53	1.52	27.07	0.13	1.22	
M7X23U	6.10	0.00	0.93	7.70	0.17	1.30	7.10	-0.37	0.99	23.67	-1.55	0.75	
M8W3B7	6.50	0.49	1.55	7.47	-0.05	0.99	4.43	-2.90X	1.08	26.63	-0.08	1.28	
MC2YV7	6.98	1.06	0.86	9.13	1.55	0.86	8.76	1.20	1.41	34.61	3.87X	2.14	
NDEXLA	5.19	-1.10	0.04	6.58	-0.91	0.18	6.38	-1.05	0.14	23.27	-1.75	0.21	
QQF7K3	6.42	0.39	0.14	7.56	0.04	0.14	8.10	0.58	0.10	29.18	1.18	0.24	
QZGTAE	5.00	-1.33		6.67	-0.83	0.78	6.33	-1.10	0.96	28.00	0.59	0.65	
TB94QK	7.27	1.42	0.82	8.70	1.14	1.05	8.71	1.15	1.11	27.17	0.18	0.57	
UPML67	6.63	0.65	0.66	8.10	0.56	0.36	8.60	1.05	1.44	27.10	0.15	0.95	
V7PNDX	5.44	-0.80	0.21	7.24	-0.27	0.13	7.06	-0.40	0.17	26.22	-0.29	0.38	
VELMNJ	5.91	-0.22	0.16	7.56	0.04	0.12	7.34	-0.15	0.19	26.25	-0.27	0.21	
WTZ9M4	5.43	-0.81	0.45	7.07	-0.44	0.94	6.93	-0.53	0.63	26.03	-0.38	0.84	
WWFHYL	6.26	0.20	0.15	7.56	0.04	0.15	7.59	0.09	0.14	27.26	0.23	0.13	
XGZU84	6.03	-0.08	3.28	8.63	1.07	2.30	6.80	-0.65	3.30	28.07	0.63	3.92	
XQ7LRR	6.27	0.20	0.48	7.44	-0.08	0.11	7.46	-0.03	0.16	26.63	-0.08	0.20	
YAJLEZ	6.13	0.04	0.98	7.83	0.30	0.30	7.15	-0.33	0.26	27.77	0.48	1.03	
ZBNVHH	6.41	0.38	0.65	7.79	0.26	0.15	7.33	-0.15	0.96	26.80	0.00	1.35	

Cu (SubTestCode 223) in the Wet Digestion Property Groups												Data units: mg/kg	
	SRB2201			SRB2202			SRB2203			SRB2204			
Grand Median	6.10			7.52			7.49			26.8			
Median Abs Dev	0.43			0.47			0.57			1.0			
Avg Within Lab SD	0.47			0.74			0.60			1.5			
Labs Included	42			44			42			43			
Labs Reporting	44			44			44			44			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mo (SubTestCode 224) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7L9XPQ	0.11	-0.70	0.03	0.32	-0.37	0.04	0.22	-0.59	0.19	0.20	-0.78	0.06	
8L3X9N				0.36	0.01	0.33	0.23	-0.45	0.86	0.20	-0.74	0.00	
8T66RW	0.18	-0.09	0.35	0.33	-0.28	0.56	0.27	-0.06	0.63	0.22	-0.53	0.61	
A66UDM	0.15	-0.36	0.06	0.34	-0.10	0.06	0.28	0.00	0.11	0.28	0.13	0.05	
A76LRH	0.02	-1.45	0.06	0.35	-0.01	0.35	0.19	-0.85	1.76	0.27	-0.02	2.06	
CBQEHF	0.17	-0.18	0.50	0.37	0.20	0.38	0.28	-0.03	1.65	0.40	1.43	2.27	
D8M7NP	0.53	2.75	0.29	0.58	2.35	0.10	0.58	2.96	0.65	0.54	2.93	1.52	
EAP9AJ	0.48	2.33	3.82	0.74	3.96X	2.24	0.57	2.87	2.12	0.78	5.52X	4.71	
F8V6RW	0.68	3.90X	1.52	0.55	2.06	3.90	0.81	5.16X	7.18	1.84	17.07X	15.33	
GH7WTB	0.20	0.04	0.12	0.45	0.98	0.21	0.28	-0.03	0.99	0.27	-0.01	1.04	
LYGYPD	0.23	0.29	0.09	0.51	1.62	0.74	0.33	0.53	0.58	0.28	0.09	0.96	
NDEXLA	0.16	-0.33	0.02	0.34	-0.15	0.04	0.30	0.23	0.20	0.34	0.80	0.14	
QQF7K3	0.13	-0.51	0.18	0.32	-0.31	0.22	0.30	0.24	0.40	0.27	0.00	0.29	
QZGTAE	0.30	0.84	0.82	0.27	-0.91	0.49				0.17	-1.10	1.05	
V7PNDX	0.20	0.03	0.00	0.20	-1.60	0.00	0.20	-0.78	0.00	0.20	-0.74	0.00	
VELMNJ	0.14	-0.42	0.04	0.36	0.08	0.09	0.25	-0.29	0.19	0.23	-0.37	0.18	
WTZ9M4	0.26	0.49	0.80	0.39	0.40	0.55	0.38	1.01	0.46	0.38	1.21	1.13	
WWFHYL	0.28	0.66	0.77	0.42	0.69	0.95	0.30	0.23	1.82	0.27	0.03	0.58	
XQ7LRR	0.20	0.00	0.07	0.35	-0.01	0.12	0.31	0.30	0.10	0.32	0.57	0.19	
YAJLEZ	-0.12	-2.59X	2.26	-0.18	-5.57X	1.77	-0.62	-8.81X	1.58	-0.18	-4.90X	2.56	

Mo (SubTestCode 224) in the Wet Digestion Property Groups					Data units: mg/kg			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	0.20		0.35		0.28		0.27	
Median Abs Dev	0.05		0.03		0.03		0.05	
Avg Within Lab SD	0.12		0.12		0.07		0.06	
Labs Included	17		18		17		17	
Labs Reporting	19		20		19		20	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

P (SubTestCode 225) in the Dry Ash Property Groups													Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
AJ99HR	0.30	0.33	2.31	0.20	1.83	2.39	0.15	1.38	2.40	0.43	-0.32	2.28		
B7UHBA	0.29	-0.75	0.00	0.18	-1.30	0.00	0.14	0.20	0.00	0.44	0.23	0.47		
E72W78	0.31	1.72	0.00	0.19	0.00	0.00	0.13	-0.39	0.19	0.45	1.13	0.47		
GDGCVM	0.29	-0.33	0.76	0.19	0.00	0.00	0.14	0.20	0.00	0.44	0.59	0.47		
JY7K3D	0.30	0.42	0.21	0.18	-0.78	0.35	0.14	-0.20	0.36	0.43	-0.23	0.16		
VELMNJ	0.29	-0.49	0.14	0.19	0.13	0.43	0.12	-1.68	0.24	0.40	-1.54	0.29		
P (SubTestCode 225) in the Dry Ash Property Groups													Data units: Percent	
	SRB2201			SRB2202			SRB2203			SRB2204				
Grand Median	0.30			0.19			0.14			0.43				
Median Abs Dev	0.00			0.00			0.00			0.01				
Avg Within Lab SD	0.01			0.00			0.00			0.01				
Labs Included	6			6			6			6				
Labs Reporting	6			6			6			6				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K (SubTestCode 226) in the Dry Ash Property Groups													Data units: Percent
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AJ99HR	2.75	-0.26	0.32	1.06	1.70	2.30	2.25	0.79	1.30	9.38	-0.44	1.58	
B7UHBA	2.81	0.06	0.08	0.92	-0.48	0.39	2.14	-0.18	0.31	9.82	0.44	1.05	
E72W78	2.88	0.41	0.12	0.92	-0.38	0.20	2.17	0.08	0.31	10.07	0.96	0.34	
GDGCVM	3.02	1.15	0.62	0.97	0.38	0.20	2.36	1.78	1.11	10.05	0.93	1.25	
JY7K3D	2.40	-2.12	2.34	0.91	-0.53	0.58	2.03	-1.14	1.56	9.28	-0.66	0.76	
VELMNJ	2.79	-0.06	0.05	0.99	0.59	0.39	2.15	-0.08	0.67	9.30	-0.61	0.38	

K (SubTestCode 226) in the Dry Ash Property Groups					Data units: Percent
	SRB2201	SRB2202	SRB2203	SRB2204	
Grand Median	2.80	0.95	2.16	9.60	
Median Abs Dev	0.06	0.03	0.06	0.31	
Avg Within Lab SD	0.12	0.03	0.04	0.17	
Labs Included	6	6	6	6	
Labs Reporting	6	6	6	6	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca (SubTestCode 227) in the Dry Ash Property Groups													Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
AJ99HR	1.37	0.01	2.38	0.30	-1.06	2.25	4.30	1.45	2.09	1.00	0.13	2.13		
B7UHBA	1.37	0.07	0.36	0.35	0.48	0.00	3.98	0.25	0.10	1.06	0.78	0.27		
E72W78	1.33	-0.92	0.21	0.31	-0.77	0.54	3.85	-0.25	0.36	0.98	-0.13	0.00		
GDGCVM	1.39	0.45	0.21	0.36	0.70	0.54	4.23	1.18	0.62	1.15	1.89	0.82		
JY7K3D	1.25	-2.59	0.26	0.32	-0.48	0.41	3.78	-0.52	0.04	0.96	-0.42	0.40		
VELMNJ	1.37	-0.01	0.20	0.35	0.56	0.42	3.81	-0.40	1.04	0.93	-0.69	0.75		

Ca (SubTestCode 227) in the Dry Ash Property Groups													Data units: Percent	
	SRB2201			SRB2202			SRB2203			SRB2204				
Grand Median	1.37			0.34			3.92			0.99				
Median Abs Dev	0.01			0.02			0.12			0.05				
Avg Within Lab SD	0.03			0.01			0.06			0.02				
Labs Included	6			6			6			6				
Labs Reporting	6			6			6			6				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg (SubTestCode 228) in the Dry Ash Property Groups												Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AJ99HR	0.233	-0.51	2.06	0.072	-0.18	1.46	0.738	1.09	2.30	0.426	-0.10	2.12	
B7UHBA	0.250	0.76		0.080	1.36	0.00	0.680	-0.44	0.00	0.437	0.70	0.47	
E72W78	0.230	-0.74	0.00	0.068	-1.08	0.19	0.674	-0.61	0.51	0.423	-0.30	0.47	
GDGCVM	0.247	0.51	0.67	0.073	0.04	1.88	0.717	0.53	0.38	0.457	2.18	0.94	
JY7K3D	0.233	-0.55	0.55	0.073	-0.04	0.49	0.661	-0.94	0.15	0.418	-0.68	0.31	
VELMNJ	0.253	0.98	0.15	0.080	1.33	0.25	0.713	0.44	0.54	0.429	0.10	0.28	

Mg (SubTestCode 228) in the Dry Ash Property Groups					Data units: Percent	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	0.24	0.073	0.70	0.43		
Median Abs Dev	0.01	0.003	0.02	0.01		
Avg Within Lab SD	0.01	0.003	0.02	0.01		
Labs Included	6	6	6	6		
Labs Reporting	6	6	6	6		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Na (SubTestCode 229) in the Dry Ash Property Groups													Data units: Percent	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
AJ99HR	0.03	0.73	1.15	0.10	0.06	1.03	0.04	0.40	0.72	0.04	1.08	2.08		
B7UHBA	0.03	1.39	1.36	0.10	-0.06	0.00	0.04	1.11	2.09	0.04	1.34	0.00		
E72W78	0.02	-0.92	0.00	0.09	-0.83	0.17	0.03	-0.82	0.21	0.03	0.00	0.73		
GDGCVM	0.02	-0.34	1.36	0.10	-0.06	0.00	0.03	-1.04	0.00	0.02	-0.62	0.00		
JY7K3D	0.22	34.36X	21.57	0.12	1.38	2.19	0.11	12.09X	6.45	0.11	7.78X	9.71		
VELMNJ	0.03	0.00	0.02	0.12	1.65	0.30	0.04	0.00	0.26	0.02	-0.33	0.35		

Na (SubTestCode 229) in the Dry Ash Property Groups													Data units: Percent	
	SRB2201			SRB2202			SRB2203			SRB2204				
Grand Median	0.025			0.10			0.036			0.026				
Median Abs Dev	0.004			0.01			0.005			0.006				
Avg Within Lab SD	0.004			0.00			0.003			0.002				
Labs Included	5			6			5			5				
Labs Reporting	6			6			6			6				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

AI (SubTestCode 230) in the Dry Ash Property Groups										Data units: mg/kg
WebCode	SRB2201			SRB2202			SRB2203			SRB2204
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
B7UHBA	164.1		1.74	73.8		1.95	213.2		1.76	502.1 1.17
JY7K3D	99.4		0.49	46.7		0.27	142.4		0.33	417.9 0.69
TB94QK	141.5		0.79	79.1		0.32	196.1		0.86	414.8 1.44
VELMNJ	105.0		0.34	54.1		0.11	180.9		0.27	411.0 0.24
AI (SubTestCode 230) in the Dry Ash Property Groups										Data units: mg/kg
	SRB2201			SRB2202			SRB2203			SRB2204
Grand Median	123.3			63.9			188.5			416.3
Median Abs Dev										
Avg Within Lab SD	3.8			12.8			12.8			15.1
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

WebCode	SRB2201			SRB2202			SRB2203			SRB2204		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
AJ99HR	19.48	0.21	1.89	8.70	2.12	0.37	43.32	0.59	1.33	29.28	-0.11	1.90
B7UHBA	18.20	-0.45	1.12	2.97	-0.21	1.97	39.50	-0.70	1.23	28.13	-0.46	0.55
E72W78	16.63	-1.25	0.18	2.85	-0.25	0.03	38.37	-1.08	0.23	27.23	-0.75	0.08
GDGCVM	22.33	1.67	0.90	7.67	1.70	0.71	40.67	-0.30	0.43	37.33	2.41	0.79
JY7K3D	67.83	25.00X	0.00	3.48	0.00	1.57	81.92	13.62X	6.19	52.16	7.04X	3.45
TB94QK	18.66	-0.21	0.53	4.33	0.35	0.10	42.46	0.30	1.55	29.96	0.11	1.21
VELMNJ	19.57	0.26	0.24	3.26	-0.09	0.08	44.73	1.07	0.32	30.31	0.22	0.04

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

	SRB2201	SRB2202	SRB2203	SRB2204
Grand Median	19.1	3.48	41.6	29.6
Median Abs Dev	0.7	0.63	1.9	1.1
Avg Within Lab SD	0.6	0.81	1.3	0.7
Labs Included	6	7	6	6
Labs Reporting	7	7	7	7



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Zn (SubTestCode 232) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AJ99HR	26.0	-0.11	0.70	16.2	-0.49	1.13	56.1	0.11	1.35	37.6	-0.12	0.59	
B7UHBA	37.0	2.04	2.28	23.0	1.78	1.63	69.1	1.63	1.97	53.5	1.78	2.36	
E72W78	23.5	-0.58	0.06	14.5	-1.08	0.38	50.0	-0.61	0.24	36.0	-0.31	0.08	
GDGCVM	27.7	0.22	0.24	17.3	-0.12	0.72	55.3	0.02	0.22	42.3	0.45	0.18	
JY7K3D	27.1	0.11	0.51	18.0	0.12	1.13	55.1	-0.02	0.34	39.6	0.12	0.23	
VELMNJ	21.4	-0.99	0.07	19.1	0.47	0.38	41.0	-1.67	0.28	28.0	-1.27	0.09	

Zn (SubTestCode 232) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2201		SRB2202		SRB2203	
Grand Median	26.5		17.7		55.2	
Median Abs Dev	2.1		1.4		3.1	
Avg Within Lab SD	2.4		0.8		2.7	
Labs Included	6		6		6	
Labs Reporting	6		6		6	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mn (SubTestCode 233) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AJ99HR	63.3	-0.44	2.16	28.3	0.46	1.98	123.0	1.08	2.22	101.3	-0.07	2.11	
B7UHBA	66.5	0.62	0.20	28.0	0.36	0.81	109.2	-0.17	0.20	102.1	0.15	0.47	
E72W78	61.7	-0.98	0.17	24.7	-0.55	0.09	106.4	-0.43	0.32	99.0	-0.63	0.19	
GDGCVM	64.7	0.00	0.49	25.3	-0.36	0.93	113.0	0.17	0.58	106.0	1.12	0.98	
JY7K3D	37.8	-8.94X	1.12	21.2	-1.49	0.47	92.4	-1.70	0.54	93.5	-2.01	0.50	
VELMNJ	68.7	1.33	0.18	29.7	0.83	0.58	116.7	0.50	0.55	101.8	0.07	0.25	

Mn (SubTestCode 233) in the Dry Ash Property Groups												Data units: mg/kg	
	SRB2201			SRB2202			SRB2203			SRB2204			
Grand Median	64.7			26.7			111.1			101.6			
Median Abs Dev	1.9			1.8			5.1			1.5			
Avg Within Lab SD	2.4			0.6			3.5			3.5			
Labs Included	5			6			6			6			
Labs Reporting	6			6			6			6			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Fe (SubTestCode 234) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
AJ99HR	133.8	0.58	2.09	101.9	0.27	0.40	169.7	0.99	2.17	685.8	1.37	2.12	
B7UHBA	113.1	-0.48	0.95	91.2	-0.20	1.71	140.6	-0.33	0.18	570.2	-0.21	0.95	
E72W78	110.0	-0.64	0.21	85.9	-0.43	0.17	129.8	-0.83	0.24	635.0	0.67	0.40	
GDGCVM	132.0	0.48	0.76	100.3	0.20	1.27	155.3	0.33	0.69	588.7	0.04	0.33	
JY7K3D	98.6	-1.22	0.21	71.6	-1.05	1.06	121.6	-1.20	0.36	460.7	-1.71	0.53	
VELMNJ	134.9	0.64	0.23	139.3	1.90	0.39	156.1	0.37	0.77	583.1	-0.04	0.23	

Fe (SubTestCode 234) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2201		SRB2202		SRB2203	
Grand Median	122.5		95.8		148.0	
Median Abs Dev	11.8		8.0		13.2	
Avg Within Lab SD	4.7		5.8		3.7	
Labs Included	6		6		6	
Labs Reporting	6		6		6	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Cu (SubTestCode 235) in the Dry Ash Property Groups													Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
AJ99HR	7.40	0.50	0.38	4.60	1.40	0.18	8.47	0.63	0.19	19.16	-1.55	0.34		
B7UHBA	2.53	-2.06	1.77				4.30	-2.23	1.91	21.70	0.01	0.51		
E72W78	5.89	-0.29	0.19	2.49	-1.22	0.13	6.92	-0.43	0.21	23.83	1.32	0.04		
GDGCVM	7.00	0.29		3.00	-0.58		8.00	0.31		21.67	-0.01	0.42		
JY7K3D	7.48	0.55	1.30	3.47	0.00	1.49	7.87	0.22	1.10	20.25	-0.88	1.42		
VELMNJ	5.78	-0.35	0.06	3.60	0.16	1.31	7.22	-0.22	0.21	22.12	0.27	1.85		

Cu (SubTestCode 235) in the Dry Ash Property Groups													Data units: mg/kg	
	SRB2201			SRB2202			SRB2203			SRB2204				
Grand Median	6.45			3.47			7.55			21.7				
Median Abs Dev	0.81			0.47			0.54			0.9				
Avg Within Lab SD	0.42			0.36			0.52			1.4				
Labs Included	6			5			6			6				
Labs Reporting	6			5			6			6				



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mo (SubTestCode 236) in the Dry Ash Property Groups										Data units: mg/kg	
SRB2201			SRB2202			SRB2203			SRB2204		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
B7UHBA							90.00				
VELMNJ	0.15		1.00	0.35		1.00	0.24		1.00	0.12	1.00
Mo (SubTestCode 236) in the Dry Ash Property Groups										Data units: mg/kg	
SRB2201			SRB2202			SRB2203			SRB2204		
Grand Median	0.15			0.35			45.1			0.12	
Median Abs Dev											
Avg Within Lab SD	0.00			0.01			0.0			0.02	
Labs Included	1			1			2			1	
Labs Reporting	1			1			2			1	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

As (SubTestCode 237) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7L9XPQ	0.133	0.11	0.53	0.060	-0.65	0.74	0.681	-0.35	0.10	0.199	-0.20	0.64	
A66UDM	0.118	-0.17	0.12	0.095	0.13	0.09	0.723	-0.13	0.19	0.213	0.06	0.09	
D8M7NP	0.037	-1.74	1.46	0.057	-0.72	2.22	0.151	-3.07	2.18	0.028	-3.49	0.69	
NDEXLA	0.124	-0.05	0.01	0.090	0.03	0.07	0.784	0.18	0.04	0.222	0.24	0.07	
QQF7K3	0.226	1.93	1.89	0.197	2.49	0.71	0.785	0.19	1.09	0.208	-0.03	2.26	
V7PNDX	1.967	35.62X	2.57	0.293	4.70X	1.15	4.893	21.28X	0.68	1.493	24.64X	1.27	
XQ7LRR	0.129	0.05	0.06	0.088	-0.03	0.03	0.774	0.13	0.08	0.211	0.03	0.04	

As (SubTestCode 237) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2201		SRB2202		SRB2203	
Grand Median	0.13		0.089		0.75	
Median Abs Dev	0.01		0.017		0.04	
Avg Within Lab SD	0.04		0.044		0.11	
Labs Included	6		6		6	
Labs Reporting	7		7		7	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ba (SubTestCode 238) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
A66UDM	16.97	-0.27	1.72	9.50	-0.30	0.53	42.27	-0.32	0.63	62.47	0.30	0.36	
D8M7NP	17.63	0.38	1.26	10.72	1.67	1.14	44.79	0.63	2.14	66.47	1.20	2.56	
NDEXLA	18.33	1.08	0.24	10.87	1.91	1.28	42.20	-0.34	0.69	59.73	-0.32	0.31	
QQF7K3	17.11	-0.14	0.36	9.67	-0.03	0.27	45.77	1.00	0.26	61.14	0.00	0.09	
V7PNDX	15.62	-1.61	0.23	9.50	-0.31	0.14	41.02	-0.78	0.30	55.17	-1.35	0.32	
WWFHYL	17.24	0.00	0.10	10.00	0.50	1.78	43.11	0.00	0.52	60.86	-0.06	0.14	
XQ7LRR	18.50	1.24	1.48	9.69	0.00	0.72	47.50	1.65	1.07	67.70	1.48	0.33	

Ba (SubTestCode 238) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	17.2	9.69	43.1	61.1		
Median Abs Dev	0.4	0.19	1.7	1.4		
Avg Within Lab SD	0.5	0.23	1.2	2.9		
Labs Included	7	7	7	7		
Labs Reporting	7	7	7	7		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Cd (SubTestCode 239) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7L9XPQ	0.215	0.21	0.16	0.023	0.30	0.29	0.041	0.38	0.20	1.598	0.05	0.36	
A66UDM	0.209	0.08	0.95	0.019	-0.23	0.15	0.036	-0.11	0.30	1.697	0.80	0.40	
D8M7NP	0.162	-0.86	1.66	0.022	0.11	2.42	0.041	0.38	1.92	1.507	-0.64	2.63	
NDEXLA	0.191	-0.28	0.20	0.017	-0.40	0.03	0.032	-0.52	0.00	1.490	-0.77	0.14	
QQF7K3	0.200	-0.08	0.00	0.021	0.00		0.064	2.58	1.21	1.584	-0.05	0.37	
V7PNDX	0.127	-1.58	1.22	0.050	3.31	0.00	0.030	-0.73	1.32	1.490	-0.77	0.14	
WWFHYL	0.289	1.72	1.61	0.096	8.47X	4.57	0.145	10.60X	1.83	1.746	1.18	0.65	
XQ7LRR	0.232	0.57	0.44	0.017	-0.39	0.24	0.037	0.00	0.09	1.740	1.13	0.42	

Cd (SubTestCode 239) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	0.20	0.021	0.037	1.59		
Median Abs Dev	0.02	0.003	0.004	0.10		
Avg Within Lab SD	0.01	0.008	0.015	0.07		
Labs Included	8	7	7	8		
Labs Reporting	8	8	8	8		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Co (SubTestCode 240) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
A66UDM	0.167	-0.26	0.59	0.069	-0.15	0.10	0.196	-0.44	0.01	2.150	-0.32	0.44	
D8M7NP	0.102	-1.74	0.82	0.044	-0.58	1.62	0.150	-1.26	0.60	2.206	0.00	2.32	
NDEXLA	0.172	-0.13	0.56	0.071	-0.12	0.18	0.198	-0.39	0.11	2.153	-0.30	0.50	
QQF7K3	0.178	0.00	0.00	0.138	1.06	0.19	0.287	1.20	0.27	2.431	1.27	0.11	
QZGTAE	0.183	0.12	1.81	0.077	-0.01	0.48	0.220	0.00	2.01	2.360	0.87	0.86	
V7PNDX	0.140	-0.87	0.00	0.140	1.10	0.00	0.147	-1.32	0.29	1.953	-1.43	0.87	
WTZ9M4	0.227	1.12	1.91	0.110	0.57	2.25	0.243	0.42	1.20	1.960	-1.39	0.92	
WWFHYL	0.258	1.83	0.81	0.219	2.49	0.99	0.269	0.88	1.73	2.245	0.22	0.22	
XQ7LRR	0.178	0.00	0.29	0.077	0.00	0.13	0.229	0.16	0.09	2.253	0.27	0.87	

Co (SubTestCode 240) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2201	SRB2202	SRB2203	SRB2204		
Grand Median	0.18	0.077	0.22	2.21		
Median Abs Dev	0.01	0.033	0.02	0.06		
Avg Within Lab SD	0.04	0.032	0.04	0.27		
Labs Included	9	9	9	9		
Labs Reporting	9	9	9	9		



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ni (SubTestCode 241) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7L9XPQ	0.46	-0.19	0.24	0.88	0.75	0.61	6.65	1.24	1.39	7.82	0.59	0.78	
A66UDM	0.49	0.01	0.30	0.67	-0.01	0.74	5.58	-0.31	0.76	7.07	-0.57	0.63	
D8M7NP	0.20	-1.66	2.38	0.47	-0.77	1.21	4.84	-1.39	0.81	7.22	-0.33	1.96	
NDEXLA	0.49	-0.01	0.06	0.68	0.01	0.23	5.24	-0.80	0.65	6.86	-0.88	1.56	
QQF7K3	0.62	0.74	0.08	0.76	0.33	0.35	6.38	0.85	0.02	8.03	0.91	0.51	
V7PNDX	0.31	-1.02	0.57	0.20	-1.78	0.00	5.84	0.07	1.63	6.51	-1.42	0.48	
WWFHYL	0.63	0.81	1.35	0.53	-0.55	2.11	5.75	-0.07	1.26	7.68	0.36	0.24	
XQ7LRR	0.65	0.94	0.24	0.99	1.18	1.01	6.25	0.66	0.41	7.66	0.33	0.45	

Ni (SubTestCode 241) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2201		SRB2202		SRB2203	
Grand Median	0.49		0.68		5.79	
Median Abs Dev	0.13		0.17		0.50	
Avg Within Lab SD	0.08		0.09		0.27	
Labs Included	8		8		8	
Labs Reporting	8		8		8	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Pb (SubTestCode 242) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7L9XPQ	0.19	0.04	0.10	0.64	0.05	0.26	0.11	-0.01	0.13	0.31	-0.13	0.26	
A66UDM	0.15	-0.04	0.04	0.62	-0.05	0.21	0.11	-0.01	0.03	0.32	-0.10	0.28	
D8M7NP	0.17	0.00	1.05	0.59	-0.12	2.58	0.10	-0.03	1.11	0.30	-0.16	2.03	
NDEXLA	0.16	-0.03	0.03	0.56	-0.23	0.52	0.12	0.01	0.01	0.36	-0.01	0.22	
QQF7K3	0.16	-0.02	2.62	0.83	0.66	0.98	0.04	-0.11	0.56	0.74	0.85	1.92	
V7PNDX	1.04	2.04	0.00	1.04	1.37	0.00	2.23	3.14	2.54	1.04	1.54	0.00	
WWFHYL	1.54	3.21	0.03	1.48	2.82	0.01	1.51	2.06	0.04	1.51	2.60	0.07	
XQ7LRR	0.17	0.00	0.09	0.60	-0.10	0.11	0.13	0.02	0.02	0.37	0.01	0.18	

Pb (SubTestCode 242) in the Heavy Metals Property Groups					Data units: mg/kg			
	SRB2201		SRB2202		SRB2203		SRB2204	
Grand Median	0.17		0.63		0.12		0.37	
Median Abs Dev	0.02		0.05		0.02		0.06	
Avg Within Lab SD	0.09		0.08		0.10		0.03	
Labs Included	8		8		8		8	
Labs Reporting	8		8		8		8	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sr (SubTestCode 243) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2201			SRB2202			SRB2203			SRB2204			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
A66UDM	36.00	1.32	1.66	9.26	0.07	0.60	235.00	0.05	0.57	42.37	0.00	0.49	
D8M7NP	33.80	0.21	1.83	9.17	-0.07	1.09	223.38	-0.52	2.54	44.37	0.87	2.56	
NDEXLA	32.23	-0.59	0.20	9.13	-0.12	1.06	233.00	-0.05	0.70	39.90	-1.07	0.11	
QQF7K3	33.40	0.00	0.00	10.36	1.68	0.00	244.06	0.50	0.00	42.34	-0.01	0.00	
QZGTAE	32.07	-0.68	0.74	8.87	-0.51	1.43	219.02	-0.74	0.47	44.67	1.00	0.18	
V7PNDX	32.75	-0.33	0.52	8.97	-0.36	0.46	220.14	-0.68	0.21	38.98	-1.47	0.35	
WWFHYL	36.55	1.60	0.20	9.63	0.61	1.24	245.73	0.58	0.49	43.05	0.30	0.13	
XQ7LRR	43.77	5.26X	1.98	10.57	1.99	1.24	280.00	2.27	0.50	52.63	4.46X	0.26	

Sr (SubTestCode 243) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2201		SRB2202		SRB2203	
Grand Median	33.4		9.22		234.0	
Median Abs Dev	1.2		0.29		11.2	
Avg Within Lab SD	0.8		0.19		8.0	
Labs Included	7		8		8	
Labs Reporting	8		8		8	



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PH (SubTestCode 301)

Data units:

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	7.50	-0.74		7.50	-0.87		8.20	0.11	
7TM4ZN	6.97	-2.34	0.64	7.11	-2.34	1.12	8.13	-0.48	0.52
8L3X9N	7.49	-0.76	1.30	7.49	-0.91	0.74	8.07	-0.96	0.46
A76LRH	7.76	0.03	2.07	7.77	0.13	0.77	8.13	-0.48	0.30
AHUREL	7.82	0.21		7.74	0.03		8.21	0.20	
CBQEHF	7.97	0.65	0.39	7.87	0.53	0.77	8.30	0.96	0.00
EWWM24	7.53	-0.64	0.15	7.72	-0.03	0.43	8.19	0.00	0.17
EY6WWL	7.87	0.37	0.73	7.83	0.37	1.12	8.25	0.56	1.54
GDGCVM	7.74	-0.03	1.02	7.71	-0.08	0.98	8.15	-0.34	2.27
HPK369	7.62	-0.37	1.17	7.69	-0.16	0.18	8.18	-0.09	0.20
J4ZF4L	7.94	0.56	0.39	7.87	0.51	2.48	8.23	0.37	0.90
LYGYPD	7.87	0.37	1.39	7.84	0.39	0.57	8.26	0.59	1.13
QQF7K3	7.49	-0.77	0.00	7.55	-0.68	0.00	8.05	-1.16	0.00
TB94QK	6.87	-2.64X	5.83	6.70	-3.88X	0.00	7.97	-1.86	1.73
UPML67	7.84	0.26	1.17	7.95	0.82	0.98	8.44	2.14	0.79
WWFHYL	7.92	0.52	0.29	7.86	0.48	0.37	8.30	0.93	0.35
YAJLEZ	7.04	-2.12		7.08	-2.45		8.16	-0.23	

PH (SubTestCode 301)

Data units:

	SRW2201	SRW2202	SRW2203
Grand Median	7.75	7.73	8.19
Median Abs Dev	0.18	0.13	0.06
Avg Within Lab SD	0.04	0.03	0.03
Labs Included	16	16	17
Labs Reporting	17	17	17



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

EC (SubTestCode 302)

Data units: dS/m

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	0.18	0.70		0.21	3.19		1.07	0.66	
7TM4ZN	0.18	0.55	0.10	0.18	0.14	0.07	1.08	1.01	0.05
8L3X9N	0.17	-1.40	1.36	0.17	-1.31	1.56	1.01	-1.69	2.46
A76LRH	0.19	1.74	2.72	0.19	0.76	1.56	1.07	0.53	0.98
AHUREL	0.17	-0.25		0.18	-0.24		1.03	-1.20	
CBQEHF	0.18	1.22	0.14	0.19	0.80	0.72	1.09	1.49	0.00
EWWM24	0.18	0.70	0.00	0.18	0.42	1.56	1.05	-0.17	1.70
EY6WWL	0.18	0.00	0.10	0.18	0.00	0.45	1.05	-0.18	0.27
GDGCVM	0.18	0.17	1.36	0.18	-0.27	1.56	1.06	0.11	0.49
HPK369	0.18	0.18	0.04	0.18	0.40	0.18	1.05	0.00	0.15
J4ZF4L	0.17	-0.35	1.36	0.18	0.07	0.00	1.05	-0.03	0.49
QQF7K3	0.17	-0.98	0.14	0.17	-0.79	0.16	1.04	-0.47	0.20
TB94QK	0.17	-0.87	0.00	0.17	-0.97	0.00	1.01	-1.82	0.85
UPML67	0.17	-0.87	0.00	0.17	-0.62	1.56	1.06	0.39	1.30
WWFHYL	0.17	-0.14	0.14	0.18	-0.13	0.00	1.06	0.37	0.17
YAJLEZ	0.24	9.57X		0.24	5.93X		1.41	14.78X	

EC (SubTestCode 302)

Data units: dS/m

	SRW2201	SRW2202	SRW2203
Grand Median	0.18	0.18	1.05
Median Abs Dev	0.00	0.00	0.01
Avg Within Lab SD	0.00	0.00	0.01
Labs Included	15	15	15
Labs Reporting	16	16	16



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Ca (SubTestCode 303) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	19.00	139.32	X	23.00	149.99	X	82.00	206.19	X
8L3X9N	0.89	-0.20	0.15	1.06	-0.35	0.56	3.96	-0.14	0.08
AHUREL	0.94	0.16		1.16	0.31		4.35	0.88	
CBQEHF	0.91	-0.07	2.20	1.05	-0.44	1.50	4.03	0.04	0.33
EWWM24	0.88	-0.28	0.73	1.04	-0.51	0.77	3.86	-0.41	0.04
EY6WWL	0.99	0.55	0.25	1.19	0.49	0.11	3.00	-2.70	3.58
GDGCVM	0.67	-1.95	1.47	0.93	-1.24	1.11	3.83	-0.48	0.08
HPK369	1.02	0.80	0.54	1.17	0.40	0.31	3.95	-0.16	0.18
J4ZF4L	1.00	0.60	0.15	1.21	0.65	1.83	4.50	1.28	0.07
LYGYPD	1.13	1.60	2.07	1.34	1.54	2.00	4.26	0.64	0.02
QQF7K3	0.87	-0.36	0.15	1.07	-0.28	0.04	4.11	0.24	0.02
TB94QK	0.89	-0.26	0.64	1.09	-0.15	0.06	4.01	-0.02	0.01
UPML67	0.65	-2.05	0.29	0.78	-2.30	1.02	3.51	-1.33	0.11
WWFHYL	0.93	0.07	0.00	1.14	0.15	0.06	4.03	0.02	0.03
YAJLEZ	0.99	0.51	0.53	1.21	0.63	0.32	4.43	1.09	0.19

Ca (SubTestCode 303) in the Cations Property Groups

Data units: mmolc/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.92	1.11	4.02
Median Abs Dev	0.06	0.07	0.17
Avg Within Lab SD	0.04	0.05	0.70
Labs Included	14	14	14
Labs Reporting	15	15	15



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Mg (SubTestCode 304) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW2201			SRW2202			SRW2203			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4QR9RB	7.00	113.25X		2.00	40.14X		65.00	184.63X		
8L3X9N	0.50	-0.14	0.66	0.17	-0.22	0.34	5.09	-1.17	0.98	
AHUREL	0.49	-0.26					5.46	-0.01		
CBQEHF	0.52	0.33	1.80	0.18	0.08	0.67	5.47	0.01	2.78	
EWWM24	0.59	1.48	0.00	0.07	-2.35	0.00	5.77	0.94	1.24	
EY6WWL	0.46	-0.78	0.00	0.12	-1.32	0.34	5.71	0.77	0.26	
GDGCVM	0.43	-1.25	2.49	0.23	1.25	3.37	5.23	-0.71	0.54	
HPK369	0.47	-0.64	0.39	0.17	-0.17	0.31	4.71	-2.32	0.56	
J4ZF4L	0.53	0.50	1.51	0.20	0.51	0.00	5.78	0.99	0.27	
LYGYPD	0.59	1.45	0.41	0.25	1.63	0.70	5.32	-0.45	0.14	
QQF7K3	0.49	-0.31	0.07	0.18	0.00	0.02	5.47	0.02	0.04	
TB94QK	0.52	0.21	0.08	0.15	-0.56	0.11	5.68	0.68	0.07	
UPML67	0.42	-1.42	0.66	0.16	-0.37	0.58	5.20	-0.81	0.54	
WWFHYL	0.51	0.14	0.04	0.18	0.07	0.09	5.45	-0.04	0.35	
YAJLEZ	0.54	0.54	0.32	0.19	0.25	0.15	5.63	0.51	1.27	

Mg (SubTestCode 304) in the Cations Property Groups										Data units: mmolc/L
	SRW2201			SRW2202			SRW2203			
Grand Median	0.50			0.18			5.46			
Median Abs Dev	0.03			0.02			0.22			
Avg Within Lab SD	0.02			0.02			0.11			
Labs Included	14			13			14			
Labs Reporting	15			14			15			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	6.00	281.47	X	9.00	257.34	X	59.00	394.12	X
7TM4ZN	0.25	0.72	0.56	0.42	0.67	0.15	2.49	-0.84	0.34
8L3X9N	0.22	-0.89	1.29	0.38	-0.39	0.46	2.52	-0.64	0.94
AHUREL	0.23	-0.24		0.39	-0.09		2.71	0.69	
CBQEHF	0.24	0.01	2.39	0.37	-0.55	1.57	2.64	0.22	2.51
EWWM24	0.23	-0.07	0.64	0.41	0.41	0.53	2.66	0.34	1.51
EY6WWL	0.17	-3.00	X	0.34	-1.48	0.26	1.82	-5.51	X
GDGCVM	0.20	-1.70	0.00	0.33	-1.78	2.65	2.33	-1.95	0.75
HPK369	0.26	1.15	0.69	0.39	0.00	0.53	2.56	-0.35	1.13
J4ZF4L	0.26	1.23	1.11	0.43	1.11	1.65	2.88	1.90	0.38
LYGYPD	0.27	1.55	0.45	0.44	1.29	0.60	2.61	-0.03	0.53
QQF7K3	0.23	-0.38	0.08	0.39	-0.16	0.03	2.60	-0.11	0.21
TB94QK	0.24	0.23	0.05	0.41	0.61	0.06	2.72	0.73	0.12
UPML67	0.23	-0.07	1.29	0.38	-0.29	0.70	2.62	0.03	0.38
WWFHYL	0.23	-0.01	0.13	0.39	0.04	0.10	2.60	-0.06	0.31
YAJLEZ	0.26	1.19	1.14	0.43	1.25	0.29	2.83	1.55	0.92

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

	SRW2201	SRW2202	SRW2203
Grand Median	0.23	0.39	2.61
Median Abs Dev	0.01	0.02	0.07
Avg Within Lab SD	0.01	0.02	0.08
Labs Included	14	15	14
Labs Reporting	16	16	16



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	1.000	70.17X		1.000	154.43X		2.000	111.16X	
7TM4ZN	0.046	1.02	0.19	0.037	1.59	0.06	0.093	2.21	0.19
8L3X9N	0.020	-0.85	0.00	0.020	-1.17	0.00	0.050	-0.27	2.49
AHUREL							0.060	0.30	
CBQEHF	0.026	-0.38	1.25	0.020	-1.10	1.93	0.050	-0.25	0.91
EWWM24	0.037	0.36	2.73	0.030	0.41	0.00	0.070	0.88	0.00
EY6WWL	0.080	3.50X	0.00	0.080	8.35X	0.00	0.080	1.45	0.00
HPK369	0.050	1.29	0.73	0.031	0.65	0.49	0.039	-0.90	0.35
LYGYPD	0.040	0.60	0.95	0.033	0.84	0.74	0.063	0.50	0.80
QQF7K3	0.032	0.00	0.13	0.026	-0.22	0.23	0.054	-0.05	0.05
TB94QK	0.006	-1.89	0.06				0.031	-1.37	0.11
UPML67	0.020	-0.85	0.00	0.023	-0.64	2.06	0.053	-0.08	1.44
WWFHYL	0.031	-0.03	0.27	0.027	-0.06	0.00	0.055	0.00	0.14
YAJLEZ	0.034	0.16	0.63	0.028	0.06	1.08	0.064	0.52	1.44

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.032	0.027	0.055
Median Abs Dev	0.008	0.004	0.009
Avg Within Lab SD	0.002	0.003	0.004
Labs Included	11	10	13
Labs Reporting	13	12	14



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mmolc/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	0.800	3.28		0.800	3.32		0.700	3.32	
CBQEHF	0.011	0.00	1.54	0.003	0.00	2.00	0.007	0.00	2.00
EWWM24	0.013	0.01	1.28	0.010	0.03	0.00	0.010	0.02	0.00
QQF7K3	0.000	-0.04	0.00	0.001	-0.01	0.00	0.002	-0.02	0.00
WWFHYL	0.001	-0.04	0.03	0.001	-0.01	0.10	0.002	-0.02	0.12

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

Data units: mmolc/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.011	0.003	0.007
Median Abs Dev	0.010	0.003	0.004
Avg Within Lab SD	0.005	0.001	0.002
Labs Included	5	5	5
Labs Reporting	5	5	5



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Sum Cations (SubTestCode 308) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW2201			SRW2202			SRW2203			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
8L3X9N	1.63	-0.13	0.18	1.63	0.00	0.62	11.62	-1.09	0.59	
CBQEHF	1.71	0.39	2.37	1.63	-0.01	2.18	12.20	-0.06	2.22	
EWWM24	1.76	0.72	0.63	1.56	-0.53	0.86	12.37	0.25	0.67	
QQF7K3	1.62	-0.19	0.10	1.67	0.26	0.05	12.23	0.00	0.05	
TB94QK	1.65	0.00	0.41	1.66	0.20	0.08	12.44	0.37	0.07	
UPML67	1.31	-2.19	0.63	1.35	-2.06	0.94	11.30	-1.66	0.46	
YAJLEZ	1.81	1.10	0.61	1.86	1.66	0.48	12.96	1.29	1.03	

Sum Cations (SubTestCode 308) in the Cations Property Groups										Data units: mmolc/L
	SRW2201			SRW2202			SRW2203			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
Grand Median	1.65			1.63			12.2			
Median Abs Dev	0.06			0.04			0.2			
Avg Within Lab SD	0.06			0.06			0.3			
Labs Included	7			7			7			
Labs Reporting	7			7			7			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SAR (SubTestCode 309) in the Cations Property Groups

Data units:

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8L3X9N	0.27	-0.68	1.38	0.49	-0.33	0.40	1.18	-0.28	0.97
EWWM24	0.27	-0.54	0.80	0.51	0.26	0.53	1.21	0.24	1.99
GDGCVM	0.30	0.56	0.00	0.43	-1.51	2.00	1.10	-1.72	0.00
QQF7K3	0.28	-0.45	0.16	0.49	-0.26	0.03	1.19	-0.24	0.31
UPML67	0.32	1.38	1.38	0.56	1.29	1.25	1.23	0.47	0.81
YAJLEZ	0.30	0.45	1.24	0.52	0.41	0.14	1.26	1.11	0.61

SAR (SubTestCode 309) in the Cations Property Groups

Data units:

	SRW2201	SRW2202	SRW2203
Grand Median	0.29	0.50	1.20
Median Abs Dev	0.01	0.02	0.02
Avg Within Lab SD	0.01	0.03	0.03
Labs Included	6	6	6
Labs Reporting	6	6	6



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Adj-SAR (SubTestCode 310) in the Cations Property Groups										Data units:
WebCode	SRW2201			SRW2202			SRW2203			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
8L3X9N	0.25		1.41	0.50		0.13	2.46		0.69	
GDGCVM	0.40		0.00	1.00		1.41	1.23		1.24	
YAJLEZ	0.33			0.56			3.05			

Adj-SAR (SubTestCode 310) in the Cations Property Groups				Data units:		
	SRW2201		SRW2202		SRW2203	
Grand Median		0.33		0.56		2.46
Median Abs Dev						
Avg Within Lab SD		0.01		0.19		0.05
Labs Included		3		3		3
Labs Reporting		3		3		3



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	108.00	357.57X		110.00	206.30X		505.00	210.86X	
8L3X9N	1.10	2.16	0.25	1.16	1.07	0.26	4.74	0.85	0.37
A76LRH	0.87	-0.76	0.55	1.15	0.96	1.70	3.66	-1.75	2.25
AHUREL	0.94	0.08		1.06	0.00		5.26	2.11	
CBQEHF	0.84	-1.17	0.11	0.90	-1.76	0.00	4.32	-0.16	1.14
EWWM24	1.03	1.27	0.69	1.10	0.44	0.00	4.60	0.52	0.77
EY6WWL	0.98	0.63	0.14	1.01	-0.52	0.06	4.39	0.00	0.24
GDGCVM	0.93	0.00	2.76	1.07	0.07	2.37	4.80	1.00	0.00
QQF7K3	0.91	-0.30	0.00	0.99	-0.78	0.00	4.27	-0.28	0.00
TB94QK	0.97	0.42	0.69	1.07	0.07	0.59	4.40	0.03	1.34
UPML67	0.90	-0.42	0.12	0.97	-1.00	0.27	4.18	-0.50	0.15
YAJLEZ	0.92	-0.21		0.99	-0.76		4.29	-0.22	

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

	SRW2201	SRW2202	SRW2203
Grand Median	0.93	1.06	4.39
Median Abs Dev	0.03	0.07	0.21
Avg Within Lab SD	0.08	0.10	0.13
Labs Included	11	11	11
Labs Reporting	12	12	12



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	0.10			0.10			0.10		
CBQEHF							0.10		1.41
QQF7K3							0.01		0.00

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

	SRW2201	SRW2202	SRW2203
Grand Median	0.10	0.10	0.10
Median Abs Dev			
Avg Within Lab SD	0.00	0.00	0.00
Labs Included	1	1	3
Labs Reporting	1	1	3



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8L3X9N							0.540	0.00	1.44
A76LRH	0.117	0.26	1.63	0.070	0.13	2.33	0.660	1.48	1.06
AHUREL							0.379	-1.99	
CBQEHF	0.075	-0.55	0.60	0.062	-0.19	0.73	0.438	-1.26	1.77
EWWM24	0.060	-0.85	0.00	0.040	-1.00	0.00	0.520	-0.25	0.00
GDGCVM	0.103	0.00	1.08	0.067	0.00	1.19	0.533	-0.08	1.40
HPK369	0.168	1.28	0.54				0.548	0.10	1.50
J4ZF4L	0.087	-0.33	0.41	0.067	0.00	0.45	0.433	-1.32	0.61
LYGYPD							0.612	0.89	0.60
QQF7K3	0.127	0.47	0.00	0.085	0.69	0.00	0.621	1.00	0.00
TB94QK	0.147	0.86	1.09	0.116	1.85	1.17	0.814	3.38X	0.89
UPML67	0.177	1.44	2.27	0.180	4.25X	1.55	0.520	-0.25	0.69
WWFHYL	0.070	-0.66	0.12	0.035	-1.19	0.13	0.547	0.09	0.00
YAJLEZ	0.067	-0.72	0.01	0.039	-1.02	0.22	0.545	0.07	0.48

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

	SRW2201	SRW2202	SRW2203
Grand Median	0.10	0.067	0.54
Median Abs Dev	0.03	0.018	0.02
Avg Within Lab SD	0.01	0.013	0.03
Labs Included	11	9	13
Labs Reporting	11	10	14



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	0.100	3.16		0.100	2.42		1.000	15.41X	
7TM4ZN	0.004	-0.18	0.00	0.005	-0.28	0.00	0.024	-1.02	0.02
8L3X9N	0.008	-0.03	0.12	0.015	0.00	0.32	0.076	-0.14	0.33
CBQEHF	0.014	0.15	0.14	0.020	0.14	0.02	0.084	-0.02	0.34
EWWM24				0.023	0.24	0.62	0.020	-1.09	0.00
EY6WWL	0.103	3.28	3.09	0.107	2.61	1.25	0.357	4.58	2.36
GDGCVM	0.013	0.15	1.17	0.013	-0.04	0.62	0.093	0.14	0.65
HPK369	0.033	0.82	0.13	0.010	-0.14	0.07	0.096	0.19	0.45
J4ZF4L	0.010	0.03	0.00	0.010	-0.14	0.00	0.073	-0.19	0.65
LYGYPD							0.097	0.20	1.39
QQF7K3	0.007	-0.08	0.00	0.015	0.00	0.00	0.085	0.01	0.07
TB94QK	0.006	-0.10	0.03	0.015	0.00	0.05	0.101	0.28	0.10
UPML67	0.303	10.24X	5.85	0.130	3.27	3.25	0.170	1.43	2.26
WWFHYL	0.008	-0.05	0.12	0.013	-0.04	0.06	0.084	-0.01	0.07
YAJLEZ	0.007	-0.07	0.01	0.011	-0.12	0.02	0.077	-0.14	0.30

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.009	0.015	0.085
Median Abs Dev	0.003	0.005	0.011
Avg Within Lab SD	0.005	0.009	0.009
Labs Included	12	14	14
Labs Reporting	13	14	15



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

SO4 (SubTestCode 315) in the Anions Property Groups Data units: mmolc/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	11.00	328.13	X	10.00	414.28	X	110.00	292.67	X
8L3X9N	0.69	0.17	0.44	0.60	0.15	0.92	7.15	0.30	0.46
AHUREL	0.69	0.17		0.61	0.44		7.27	0.63	
CBQEHF	0.67	-0.43	2.52	0.59	-0.39	2.01	6.91	-0.39	2.22
EWWM24	0.08	-19.23	X	0.07	-23.36	X	0.79	-17.79	X
GDGCVM	0.66	-0.68	0.67	0.60	-0.15	0.92	6.93	-0.34	1.22
J4ZF4L	0.72	1.13	0.88	0.59	-0.29	0.70	7.47	1.20	0.67
LYGYPD	0.69	0.26	0.42	0.63	1.38	0.65	6.94	-0.30	0.57
QQF7K3	0.65	-0.94	0.01	0.60	-0.19	0.06	6.92	-0.37	0.02
TB94QK	0.72	1.27	0.07	0.66	2.63	0.03	7.51	1.32	0.10
UPML67	0.64	-1.52	1.02	0.60	-0.15	1.52	6.55	-1.42	1.25
YAJLEZ	0.68	-0.17	0.07	0.62	0.99	0.19	7.22	0.49	0.15

SO4 (SubTestCode 315) in the Anions Property Groups Data units: mmolc/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.68	0.60	7.05
Median Abs Dev	0.02	0.01	0.15
Avg Within Lab SD	0.02	0.02	0.18
Labs Included	10	10	10
Labs Reporting	12	12	12



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8L3X9N	1.80	0.28	0.59	1.77	0.31	0.58	12.51	0.92	0.59
CBQEHF	1.60	-0.80	1.10	1.57	-1.12	0.69	11.85	-0.31	1.93
EWWM24	1.17	-3.08X	1.20	1.23	-3.60X	0.10	5.93	-11.54X	0.37
QQF7K3	1.70	-0.28	0.01	1.69	-0.31	0.02	11.90	-0.22	0.01
TB94QK	1.84	0.50	1.37	1.86	0.93	1.18	12.83	1.53	0.68
UPML67	2.08	1.76	1.24	1.85	0.88	1.67	11.57	-0.85	0.68
YAJLEZ	1.67	-0.44		1.66	-0.48		12.13	0.22	

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

	SRW2201	SRW2202	SRW2203
Grand Median	1.75	1.73	12.0
Median Abs Dev	0.09	0.09	0.3
Avg Within Lab SD	0.05	0.06	0.3
Labs Included	6	6	6
Labs Reporting	7	7	7



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8L3X9N	-0.165	-0.54	0.26	-0.145	-0.73	0.24	-0.885	-1.45	1.28
CBQEHF	0.105	0.28	1.76	0.083	0.21	1.64	0.342	0.02	1.16
EWWM24	0.583	1.75	0.89	0.323	1.20	0.84	6.440	7.31X	1.60
QQF7K3	-0.081	-0.28	0.11	-0.020	-0.21	0.03	0.326	0.00	0.07
TB94QK	-0.198	-0.64	1.02	-0.199	-0.95	1.25	-0.389	-0.86	1.00
YAJLEZ	0.190	0.54		0.214	0.75		1.203	1.05	

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

	SRW2201	SRW2202	SRW2203
Grand Median	0.012	0.031	0.33
Median Abs Dev	0.178	0.179	0.72
Avg Within Lab SD	0.058	0.061	0.20
Labs Included	6	6	5
Labs Reporting	6	6	6



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8L3X9N							0.160	0.39	0.84
AHUREL							0.160	0.39	
CBQEHF	0.015	0.61	2.74	0.011	0.15	1.62	0.147	-0.25	1.09
EY6WWL	0.003	-0.86	0.00	0.003	-0.99	0.00	0.039	-5.52X	5.18
GDGCVM	0.030	2.50	0.00	0.023	1.93	1.60	0.137	-0.75	1.28
HPK369	0.021	1.35	1.15	0.043	4.83X	1.41	0.116	-1.75	1.07
J4ZF4L	0.010	0.00	0.00	0.013	0.48	1.60	0.160	0.39	0.84
LYGYPD							0.177	1.20	1.75
QQF7K3	0.007	-0.37	0.00	0.004	-0.92	0.16	0.154	0.11	0.13
TB94QK							0.138	-0.68	0.08
UPML67	0.010	0.00	0.00	0.010	0.00	0.00	0.110	-2.05	1.46
WWFHYL	0.010	0.00	0.00	0.010	0.00	0.00	0.153	0.06	0.49
YAJLEZ	0.007	-0.38	0.41	0.004	-0.93	0.52	0.151	-0.06	0.41

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.010	0.010	0.15
Median Abs Dev	0.003	0.005	0.01
Avg Within Lab SD	0.004	0.004	0.01
Labs Included	9	8	12
Labs Reporting	9	9	13



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups										Data units: mg/L
	SRW2201			SRW2202			SRW2203			
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7TM4ZN	0.003		1.41	0.003		0.63	0.002		1.41	
CBQEHF	0.008		0.00	0.011		1.26	0.009		0.00	
PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups										Data units: mg/L
	SRW2201			SRW2202			SRW2203			
Grand Median	0.005			0.007			0.005			
Median Abs Dev										
Avg Within Lab SD	0.000			0.000			0.000			
Labs Included	2			2			2			
Labs Reporting	2			2			2			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

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

Data units: mg/L

WebCode	SRW2201			SRW2202			SRW2203		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
4QR9RB	0.020	0.71		0.020	0.85		0.010	0.00	
EY6WWL	0.004	-0.43	0.00	0.004	-0.52	0.00	0.004	-0.53	0.00
QQF7K3	0.004	-0.43	0.00	0.008	-0.20	0.18	0.010	0.00	0.08
WWFHYL	0.010	0.00	0.00	0.010	0.00	0.00	0.010	0.00	0.00
YAJLEZ	0.035	1.80	2.00	0.031	1.80	1.99	0.043	2.84	2.00

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

Data units: mg/L

	SRW2201	SRW2202	SRW2203
Grand Median	0.010	0.010	0.010
Median Abs Dev	0.006	0.006	0.000
Avg Within Lab SD	0.006	0.003	0.012
Labs Included	5	5	5
Labs Reporting	5	5	5



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups										Data units: mg/L
SRW2201			SRW2202			SRW2203				
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
CBQEHF	0.20		1.00	0.30		1.00	1.40		1.00	

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups										Data units: mg/L
SRW2201			SRW2202			SRW2203				
Grand Median	0.20			0.30			1.40			
Median Abs Dev										
Avg Within Lab SD	0.10			0.00			0.00			
Labs Included	1			1			1			
Labs Reporting	1			1			1			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022

Total Organic Carbon (SubTestCode 323) in the Other Property Groups Data units: mg/L

										Data units: mg/L	
			SRW2201			SRW2202			SRW2203		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
CBQEHF	1.10		1.00	0.80		1.00	2.57		1.00		

Total Organic Carbon (SubTestCode 323) in the Other Property Groups Data units: mg/L

										Data units: mg/L	
			SRW2201			SRW2202			SRW2203		
Grand Median		1.10			0.80			2.57			
Median Abs Dev											
Avg Within Lab SD		0.00			0.00			0.12			
Labs Included		1			1			1			
Labs Reporting		1			1			1			



ALP Program - Participant Web Summary Report - Cycle 47 - Spring 2022