

ALP Program

Participant Web Summary Report

2014 Round #24



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

ALP Program - Summer 2014 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Summer 2014 (Cycle 24) was completed in August, 2014, with participation by 87 labs from the United States, Canada, Guatemala, South Africa and Serbia. Proficiency samples consisted of five soils, three botanical and three water samples. Analytical methods evaluated are based on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry Canada.



Standard Reference Soils (SRS), materials used for the soils and environmental programs were: SRS-1406 a Brios sandy loam collected from Maricopa City, AZ; SRS-1407 a Tifton loamy sand collected from Grady City, GA; SRS-1408 an Elkton silt loam collected from Prince George City, MD; SRS-1409 a Canisteo silty clay loam collected from Palo Alto City, IA; and SRS-1410 a Saranac silty clay collected from Randolph City, IN. Standard Reference Botanical (SRB) materials were: potato petiole from WA, grass hay composite from MN and olive leaves from CA. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: an irrigation well near Montrose, CO; an irrigation well in central NM; and an irrigation canal in Windsor, CO.

Laboratory Results were compiled and analyzed for each interlaboratory material and property. All analyses in the ALP Program are based on consensus and comparative statistics. Although the analysis techniques chosen to provide a robust evaluation, small group statistics are less reliable than large group statistics. No comparative results are provided for analyses with fewer than 4 reported results.

Special Topics:

**Discussion of Statistics
in ALP Reports.**

**Quick Key to Analysis
Tables.**

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

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Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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



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

Saturated Paste Moisture (SubTestCode 101)															
in the Salinity Property Groups															
Data units: Percent															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	39.1	0.0	1.3	23.2	-0.7	0.2	35.2	-0.2	0.2	50.3	0.2	0.2	45.5	0.0	0.1
		0.0	1.2		-2.4	0.2		-1.3	0.4		1.0	0.2		0.1	0.1
RBZUVM	38.1	-0.2	1.6	23.5	-0.6	0.9	38.7	0.3	3.5	42.5	-1.3	0.3	42.2	-0.7	0.4
		-1.0	1.5		-2.2	0.8		2.1	7.8		-6.8	0.4		-3.2	0.4
YN7FYE	38.3	-0.2	1.0	24.7	-0.3	1.3	37.6	0.1	0.9	52.6	0.6	0.9	47.3	0.4	1.9
		-0.7	1.0		-1.0	1.1		1.1	2.1		3.3	1.0		1.9	1.9
RLNPWN	39.3	0.1	0.6	25.3	-0.1	0.7	35.0	-0.2		50.0	0.1	1.6	46.0	0.1	
		0.3	0.6		-0.3	0.6		-1.6	0.0		0.7	1.7		0.6	0.0
ZZZVNF	39.0	0.0	1.1	26.3	0.2	1.3	38.7	0.3	1.9	47.3	-0.4	1.7	46.4	0.2	2.4
		0.0	1.0		0.7	1.1		2.2	4.1		-2.0	1.9		1.0	2.3
8DFL3A	35.0	-1.0	0.2	30.6	1.5	0.4	36.3	0.0	0.2	43.8	-1.0	0.2	42.1	-0.7	0.2
		-4.1	0.2		4.9	0.4		-0.3	0.5		-5.5	0.2		-3.3	0.2
FXU2ZT	39.5	0.1	0.4	26.4	0.2	0.3	36.6	0.0	0.3	46.8	-0.5	0.5	45.4	0.0	0.9
		0.5	0.4		0.8	0.3		0.0	0.6		-2.5	0.6		-0.1	0.9
D2639V	41.9	0.7	1.0	26.6	0.3	0.9	36.6	0.0	0.4	52.4	0.6	0.4	48.4	0.6	0.5
		2.9	1.0		0.9	0.8		0.1	0.9		3.1	0.4		2.9	0.5
WNFDGE	44.3	1.3	1.6	29.3	1.1	0.7	40.0	0.5	0.5	53.0	0.7	0.9	51.3	1.2	2.5
		5.3	1.5		3.7	0.6		3.4	1.0		3.7	1.0		5.9	2.5
64X4W7	37.7	-0.3	0.9	23.6	-0.6	0.4	33.6	-0.4	0.1	47.4	-0.4	2.3	44.2	-0.3	0.7
		-1.4	0.8		-2.0	0.4		-3.0	0.1		-1.9	2.5		-1.3	0.7
HPD69R	38.0	-0.3	1.0	23.3	-0.7	0.7	35.3	-0.2	0.3	46.0	-0.6	1.6	43.0	-0.5	
		-1.0	1.0		-2.3	0.6		-1.2	0.6		-3.3	1.7		-2.4	0.0
GQAZHV	35.9	-0.8	2.4	22.7	-0.9	2.9	31.1	-0.8	0.4	43.5	-1.1	0.6	39.9	-1.1	0.6
		-3.1	2.3		-2.9	2.4		-5.4	0.8		-5.8	0.6		-5.5	0.6
TZYQ96	26.5	-3.0	0.7	18.1	-2.3	0.9	23.9	-1.8	0.1	33.5	-3.0	1.0	32.9	-2.6	1.0
		-12.6	0.7		-7.6	0.8		-12.7	0.2		-15.8	1.1		-12.5	1.0
H4XM3G	45.0	1.4	1.0	30.3	1.4	0.7	43.7	1.0	0.7	52.7	0.6	0.5	56.3	2.2	0.6
		6.0	1.0		4.7	0.6		7.1	1.5		3.4	0.6		10.9	0.6
6KMCVP	37.4	-0.4	0.4	23.2	-0.7	1.5	36.5	0.0	1.5	47.4	-0.4	0.7	43.5	-0.4	0.4
		-1.6	0.4		-2.5	1.3		0.0	3.4		-1.9	0.7		-1.9	0.4
HZWGNB	40.3	0.3	0.6	25.0	-0.2		34.3	-0.3	0.3	50.3	0.2	1.1	47.3	0.4	0.6
		1.3	0.6		-0.7	0.0		-2.2	0.6		1.0	1.2		1.9	0.6
2GJ8RT	48.7	2.3		23.1	-0.8		95.1	8.1		45.7	-0.7		42.9	-0.5	
		9.7	0.0		-2.6	0.0		58.5	0.0		-3.6	0.0		-2.5	0.0
9Z9V3M	40.7	0.4	0.6	27.3	0.5	0.7	36.7	0.0	0.3	49.3	0.0	1.1	47.0	0.3	1.0
		1.6	0.6		1.7	0.6		0.1	0.6		0.0	1.2		1.6	1.0
FKRFTX	40.9	0.4	0.4	29.1	1.0	1.2	38.5	0.3	0.2	56.2	1.3	0.4	50.9	1.1	0.3
		1.9	0.3		3.5	1.0		1.9	0.4		6.9	0.4		5.5	0.3
2TTR8F	35.1	-1.0		27.4	0.5		37.7	0.2		52.9	0.7		41.6	-0.8	
		-3.9	0.0		1.8	0.0		1.1	0.0		3.6	0.0		-3.8	0.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
R7669N	38.9	0.0	0.4	26.2	0.2	0.6	36.2	-0.1	0.3	49.3	0.0	0.7	45.3	0.0	0.4
		-0.2	0.4		0.5	0.5		-0.4	0.7		0.0	0.8		-0.1	0.4
BWHFH6	41.3	0.5	1.2	26.0	0.1	0.8	35.8	-0.1	1.1	52.4	0.6	0.7	48.6	0.7	1.0
		2.3	1.1		0.3	0.7		-0.8	2.4		3.1	0.8		3.2	1.0
Grand Median		39.0			25.7			36.6			49.3			45.4	
Median Abs Dev		1.6			2.1			1.4			3.2			2.5	
Avg Within Lab SD		1.0			0.8			2.2			1.1			1.0	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



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

pH - sp (SubTestCode 102)	in the Salinity Property Groups															Data units: Unit
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
RBZUVM	7.19	-0.03	0.10	6.44	-0.27	0.24	6.05	-0.66	0.08	5.61	-0.40	0.25	7.12	0.19	0.07	
		-0.01	0.01		-0.07	0.02		-0.21	0.02		-0.07	0.03		0.04	0.01	
YN7FYE	7.32	0.53	0.63	6.72	0.80	0.12	6.41	0.49	0.15	5.83	0.80	0.15	7.20	0.51	0.46	
		0.12	0.04		0.21	0.01		0.15	0.03		0.14	0.02		0.12	0.04	
RLNPWN	7.03	-0.69	0.37	6.40	-0.43	0.42	6.11	-0.49	0.03	5.68	0.00	0.76	6.98	-0.44	1.15	
		-0.16	0.02		-0.11	0.04		-0.15	0.01		0.00	0.08		-0.10	0.10	
ZZZVNF	7.30	0.46	0.36	6.52	0.03	0.54	6.20	-0.18	0.19	5.63	-0.30	0.27	7.27	0.81	0.11	
		0.11	0.02		0.01	0.05		-0.06	0.04		-0.05	0.03		0.19	0.01	
8DFL3A	7.37	0.78	0.37	6.50	-0.03	0.07	6.27	0.04	0.09	5.92	1.34	0.27	7.25	0.71	0.40	
		0.18	0.02		-0.01	0.01		0.01	0.02		0.24	0.03		0.17	0.04	
FXU2ZT	6.97	-0.98	1.04	6.40	-0.42	2.08	5.90	-1.15	0.51	5.53	-0.85	0.58	6.90	-0.77	1.14	
		-0.23	0.06		-0.11	0.17		-0.36	0.10		-0.15	0.06		-0.18	0.10	
D2639V	7.07	-0.55	1.04	6.63	0.47	0.69	6.30	0.13	0.00	5.70	0.09	0.00	7.03	-0.20	1.32	
		-0.13	0.06		0.12	0.06		0.04	0.00		0.02	0.00		-0.05	0.12	
WNFDGE	7.14	-0.25	0.21	6.62	0.43	0.28	6.28	0.08	0.29	5.63	-0.28	0.12	7.04	-0.19	0.81	
		-0.06	0.01		0.11	0.02		0.03	0.06		-0.05	0.01		-0.04	0.07	
64X4W7	7.25	0.25	2.68	6.68	0.65	1.74	6.42	0.51	0.64	5.78	0.55	1.67	7.16	0.33	1.82	
		0.06	0.15		0.17	0.14		0.16	0.13		0.10	0.17		0.08	0.16	
HPD69R	7.06	-0.59	0.37	6.40	-0.41	0.25	6.16	-0.33	0.21	5.68	0.00	0.29	7.01	-0.31	0.26	
		-0.14	0.02		-0.11	0.02		-0.10	0.04		0.00	0.03		-0.07	0.02	
MDL89N	7.32	0.55	1.29	6.74	0.88	2.21	6.80	1.74	3.15	5.76	0.42	2.37	7.27	0.81	2.99	
		0.13	0.07		0.23	0.18		0.54	0.62		0.07	0.23		0.19	0.26	
TZYQ96	7.86	2.89	2.24	7.47	3.67	0.25	7.28	3.26	1.22	5.99	1.72	1.52	7.51	1.84	1.20	
		0.67	0.12		0.96	0.02		1.02	0.24		0.30	0.15		0.43	0.11	
H4XM3G	6.96	-1.01	0.31	6.45	-0.23	0.12	6.15	-0.36	0.15	5.74	0.30	0.74	7.03	-0.20	0.26	
		-0.23	0.02		-0.06	0.01		-0.11	0.03		0.05	0.07		-0.05	0.02	
6KMCVP	7.28	0.36	0.05	6.81	1.16	0.44	6.30	0.12	3.08	5.81	0.71	0.42	7.42	1.45	0.95	
		0.08	0.00		0.30	0.04		0.04	0.61		0.13	0.04		0.34	0.08	
HZWGNB	6.91	-1.23	1.12	6.40	-0.43	1.00	5.98	-0.90	0.29	5.55	-0.77	0.52	6.90	-0.79	0.57	
		-0.28	0.06		-0.11	0.08		-0.28	0.06		-0.14	0.05		-0.18	0.05	
2GJ8RT	7.20	0.03		6.40	-0.42		6.30	0.13		5.50	-1.04		7.00	-0.34		
		0.01	0.00		-0.11	0.00		0.04	0.00		-0.18	0.00		-0.08	0.00	
NF8BH8	7.24	0.20	1.40	6.67	0.60	0.98	6.25	-0.04	0.12	5.69	0.06	0.06	7.21	0.56	0.46	
		0.05	0.08		0.16	0.08		-0.01	0.02		0.01	0.01		0.13	0.04	
9Z9V3M	7.01	-0.81	0.27	6.42	-0.36	0.66	6.04	-0.69	0.11	5.58	-0.59	0.00	7.03	-0.23	0.40	
		-0.19	0.02		-0.09	0.06		-0.22	0.02		-0.10	0.00		-0.05	0.04	
FKRFTX	6.98	-0.93	0.47	6.22	-1.12	1.50	5.88	-1.22	0.08	5.48	-1.13	0.41	6.91	-0.71	0.26	
		-0.21	0.03		-0.29	0.12		-0.38	0.02		-0.20	0.04		-0.17	0.02	
2TTR8F	7.21	0.07		6.70	0.72		6.52	0.84		6.07	2.19		7.20	0.51		
		0.02	0.00		0.19	0.00		0.26	0.00		0.39	0.00		0.12	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
R7669N	7.42	0.97	0.75	6.73	0.85	1.87	6.60	1.11	0.28	5.52	-0.94	2.96	7.50	1.78	0.98
		0.22	0.04		0.22	0.16		0.35	0.06		-0.17	0.29		0.42	0.09
BWHFH6	7.04	-0.68	0.89	6.38	-0.49	0.42	6.14	-0.39	0.19	5.62	-0.36	0.35	6.81	-1.14	0.29
		-0.16	0.05		-0.13	0.03		-0.12	0.04		-0.06	0.03		-0.27	0.03
Grand Median		7.19			6.51			6.26			5.68			7.08	
Median Abs Dev		0.13			0.12			0.15			0.10			0.13	
Avg Within Lab SD		0.06			0.08			0.20			0.10			0.09	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



ALP Program - Participant Web Summary Report - Cycle 24

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

ECe - sp (SubTestCode 103)	in the Salinity Property Groups															Data units: dS/m	
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410				
XQBLZF	17.91	0.24	0.03	0.94	0.48	0.05	0.76	-0.15	0.07	1.05	-0.77	0.13	1.74	0.20	0.00		
		0.67	0.02		0.08	0.01		-0.02	0.01		-0.17	0.02		0.05	0.00		
RBZUVM	21.43	1.52	0.72	0.86	0.03	0.34	0.78	0.01	0.06	1.26	0.22	0.08	1.84	0.65	0.47		
		4.20	0.55		0.00	0.05		0.00	0.01		0.05	0.01		0.15	0.07		
YN7FYE	14.35	-1.05	0.85	0.84	-0.13	0.09	0.63	-1.12	0.03	0.85	-1.71	0.50	1.34	-1.57	0.36		
		-2.88	0.65		-0.02	0.01		-0.15	0.00		-0.37	0.07		-0.35	0.06		
RLNPWN	19.13	0.69	1.10	0.97	0.69	0.40	0.89	0.83	0.45	1.45	1.09	0.24	2.00	1.36	0.81		
		1.90	0.84		0.11	0.06		0.11	0.05		0.23	0.04		0.31	0.13		
ZZZVNF	18.33	0.40	0.65	0.86	0.00	0.26	0.76	-0.11	0.51	1.30	0.42	0.20	1.75	0.28	0.83		
		1.10	0.49		0.00	0.04		-0.02	0.06		0.09	0.03		0.06	0.13		
8DFL3A	15.47	-0.64	0.03	0.83	-0.18	0.15	0.66	-0.89	0.15	1.08	-0.64	0.17	1.46	-1.03	0.08		
		-1.76	0.03		-0.03	0.02		-0.12	0.02		-0.14	0.03		-0.23	0.01		
FXU2ZT	17.42	0.07	0.62	0.77	-0.55	0.19	0.75	-0.24	0.22	1.25	0.17	0.21	1.71	0.09	0.17		
		0.18	0.47		-0.09	0.03		-0.03	0.03		0.04	0.03		0.02	0.03		
D2639V	13.03	-1.52	0.46	0.66	-1.22	0.88	0.60	-1.31	0.39	0.96	-1.19	0.18	1.31	-1.67	0.42		
		-4.20	0.35		-0.20	0.12		-0.18	0.05		-0.25	0.03		-0.38	0.07		
WNFDGE	16.72	-0.19	0.51	0.86	-0.03	0.15	0.84	0.44	0.56	1.22	0.01	0.22	1.70	0.03	0.56		
		-0.52	0.39		0.00	0.02		0.06	0.06		0.00	0.03		0.01	0.09		
64X4W7	18.18	0.34	0.59	0.92	0.34	0.84	0.71	-0.49	0.05	1.09	-0.58	0.37	1.66	-0.12	0.88		
		0.95	0.45		0.06	0.12		-0.07	0.01		-0.12	0.05		-0.03	0.14		
HPD69R	19.73	0.91	1.34	0.91	0.30	0.38	0.89	0.86	0.27	1.02	-0.89	0.50	1.38	-1.37	0.00		
		2.50	1.02		0.05	0.05		0.11	0.03		-0.19	0.07		-0.31	0.00		
GQAZHV	17.83	0.21	1.13	0.86	0.00	0.46	0.80	0.17	0.15	1.35	0.63	0.17	1.88	0.85	0.30		
		0.59	0.86		0.00	0.06		0.02	0.02		0.14	0.02		0.19	0.05		
MDL89N	16.46	-0.28	2.88	1.27	2.47	4.22	1.19	3.10	4.65	1.65	2.02	4.67	2.03	1.51	4.23		
		-0.77	2.19		0.41	0.58		0.41	0.53		0.43	0.67		0.34	0.65		
TZYQ96	22.60	1.95	0.92	0.79	-0.42	0.59	0.90	0.94	0.37	1.07	-0.69	0.21	1.50	-0.84	0.67		
		5.37	0.70		-0.07	0.08		0.13	0.04		-0.15	0.03		-0.19	0.10		
H4XM3G	15.84	-0.50	0.32	0.75	-0.67	0.07	0.68	-0.71	0.10	1.24	0.12	0.67	1.49	-0.87	0.42		
		-1.39	0.25		-0.11	0.01		-0.10	0.01		0.03	0.10		-0.20	0.06		
6KMCVP	16.44	-0.29	0.82	0.97	0.68	0.46	0.92	1.08	0.24	1.21	-0.01	0.26	1.66	-0.11	0.37		
		-0.80	0.62		0.11	0.06		0.14	0.03		0.00	0.04		-0.03	0.06		
HZWGNB	17.70	0.17	0.46	0.87	0.08	0.25	0.82	0.28	0.13	1.24	0.14	0.11	1.82	0.58	0.43		
		0.47	0.35		0.01	0.04		0.04	0.02		0.03	0.02		0.13	0.07		
2GJ8RT	18.00	0.28		1.70	5.11		0.90	0.91		1.40	0.87		1.90	0.93			
		0.77	0.00		0.84	0.00		0.12	0.00		0.19	0.00		0.21	0.00		
NF8BH8	16.58	-0.24	1.40	0.82	-0.23	1.29	0.67	-0.84	0.49	1.03	-0.86	0.61	1.59	-0.42	0.67		
		-0.65	1.06		-0.04	0.18		-0.11	0.06		-0.18	0.09		-0.10	0.10		
9Z9V3M	17.05	-0.07	0.04	0.84	-0.13	0.09	0.78	-0.01	0.12	1.27	0.28	0.21	1.78	0.42	0.19		
		-0.18	0.03		-0.02	0.01		0.00	0.01		0.06	0.03		0.09	0.03		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
FKRFTX	13.17	-1.48	1.22	0.89	0.20	0.18	0.85	0.56	0.81	1.28	0.29	0.21	1.75	0.25	0.14
		-4.07	0.93		0.03	0.03		0.07	0.09		0.06	0.03		0.06	0.02
2TTR8F	20.70	1.26		0.83	-0.22		0.74	-0.26		1.06	-0.72		1.66	-0.13	
		3.47	0.00		-0.04	0.00		-0.03	0.00		-0.15	0.00		-0.03	0.00
R7669N	15.50	-0.63	0.23	0.69	-1.04	0.88	0.67	-0.85	0.29	0.93	-1.33	0.37	1.49	-0.90	1.20
		-1.73	0.17		-0.17	0.12		-0.11	0.03		-0.29	0.05		-0.20	0.18
BWHFH6	13.73	-1.27	1.79	1.02	0.99	0.93	0.78	0.01	0.08	1.10	-0.53	0.18	1.68	-0.03	0.38
		-3.50	1.36		0.16	0.13		0.00	0.01		-0.11	0.03		-0.01	0.06
Grand Median		17.2			0.86			0.78			1.21			1.69	
Median Abs Dev		1.2			0.05			0.09			0.14			0.14	
Avg Within Lab SD		0.8			0.14			0.11			0.14			0.15	
Labs Included		24			24			24			24			24	
Labs Reporting		24			24			24			24			24	



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

HCO3 -sp (SubTestCode 104)	in the Salinity Property Groups												Data units: mmol/L		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	5.33	0.70	0.20	1.35	0.00	0.48	1.83	0.51	0.18	1.00	0.00	0.03	3.78	0.67	0.13
		2.00	0.06		0.00	0.09		0.43	0.03		0.00	0.00		1.45	0.03
YN7FYE	3.34	0.00	1.04	1.00	-0.66	0.00	1.34	-0.08	2.02	0.33	-1.60	0.00	2.34	0.00	0.00
		0.00	0.33		-0.35	0.00		-0.07	0.33		-0.67	0.00		0.00	0.00
RLNPWN	2.08	-0.44	1.50	0.35	-1.90	0.27	0.73	-0.78	0.93	0.80	-0.49	0.67	1.37	-0.45	0.22
		-1.25	0.48		-1.00	0.05		-0.67	0.15		-0.20	0.13		-0.97	0.06
ZZZVNF	1.16	-0.77	0.08	0.45	-1.72	0.16	0.54	-1.01	0.19	0.51	-1.18	0.53	0.90	-0.67	0.04
		-2.18	0.03		-0.90	0.03		-0.86	0.03		-0.49	0.10		-1.44	0.01
8DFL3A	5.82	0.88	0.08	1.44	0.18	0.03	2.13	0.86	0.13	1.16	0.37	0.09	4.26	0.89	0.15
		2.49	0.03		0.09	0.01		0.73	0.02		0.16	0.02		1.92	0.04
FXU2ZT	2.40	-0.33	0.00	1.37	0.03	0.81	1.40	0.00	0.00	1.40	0.94	0.88	2.00	-0.16	
		-0.94	0.00		0.02	0.15		0.00	0.00		0.40	0.17		-0.34	0.00
HPD69R	7.87	1.60	1.90	1.47	0.22	2.45	2.67	1.49	1.40	1.07	0.15	2.34	6.40	1.89	2.63
		4.53	0.61		0.12	0.46		1.27	0.23		0.06	0.46		4.06	0.69
Grand Median		3.34			1.35			1.40			1.00			2.34	
Median Abs Dev		2.00			0.12			0.67			0.20			1.44	
Avg Within Lab SD		0.32			0.19			0.16			0.20			0.26	
Labs Included		7			7			7			7			7	
Labs Reporting		7			7			7			7			7	



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

Ca - sp (SubTestCode 105)		in the Salinity Property Groups												Data units: mmolc/L	
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	61.13	0.06	0.13	3.42	0.56	0.00	5.08	0.60	0.37	6.65	-0.34	0.01	10.38	0.69	0.47
		0.57	0.39		0.37	0.00		0.29	0.12		-0.42	0.00		0.88	0.26
YN7FYE	53.18	-0.81	0.50	4.63	2.42	3.39	4.17	-1.26	1.16	5.17	-1.56	0.45	8.13	-1.07	0.46
		-7.38	1.48		1.58	1.89		-0.61	0.36		-1.90	0.15		-1.37	0.25
RLNPWN	63.48	0.32	0.34	3.34	0.45	1.12	5.13	0.71	0.69	8.15	0.89	1.86	10.64	0.90	1.58
		2.92	1.00		0.29	0.62		0.34	0.22		1.08	0.61		1.15	0.85
ZZZVNF	60.58	0.00	0.30	3.29	0.38	0.72	4.60	-0.37	2.70	7.31	0.20	0.38	9.16	-0.27	1.95
		0.03	0.88		0.25	0.40		-0.18	0.85		0.24	0.13		-0.34	1.05
8DFL3A	42.15	-2.01	0.03	2.90	-0.22	0.00	4.36	-0.88	0.16	6.41	-0.54	0.11	8.17	-1.05	0.14
		-18.41	0.09		-0.15	0.00		-0.43	0.05		-0.66	0.04		-1.33	0.08
FXU2ZT	49.70	-1.18	0.80	3.03	-0.02	0.58	4.57	-0.45	1.29	7.90	0.68	1.05	9.33	-0.13	0.70
		-10.86	2.36		-0.01	0.32		-0.22	0.40		0.83	0.35		-0.16	0.38
D2639V	46.33	-1.55	0.60	2.33	-1.09	1.13	3.87	-1.88	0.39	5.71	-1.12	0.35	7.66	-1.45	0.41
		-14.22	1.77		-0.71	0.63		-0.92	0.12		-1.37	0.12		-1.84	0.22
WNFDGE	61.42	0.09	0.53	2.85	-0.30	0.11	4.61	-0.37	0.29	7.24	0.14	0.40	9.66	0.13	0.89
		0.87	1.56		-0.20	0.06		-0.18	0.09		0.17	0.13		0.16	0.48
64X4W7	66.00	0.59	0.81	3.54	0.75	0.22	4.68	-0.21	0.95	6.90	-0.14	1.66	9.80	0.24	1.34
		5.45	2.40		0.49	0.12		-0.10	0.30		-0.17	0.55		0.30	0.72
HPD69R	57.30	-0.36	0.94	2.50	-0.84	0.31	5.07	0.58	1.87	5.80	-1.04	1.05	8.63	-0.68	0.77
		-3.26	2.77		-0.55	0.17		0.28	0.59		-1.27	0.35		-0.86	0.42
NLT4RL	68.51	0.87		3.09	0.07		4.38	-0.83		7.85	0.64		10.54	0.82	
		7.96	0.00		0.04	0.00		-0.41	0.00		0.78	0.00		1.04	0.00
GQAZHV	59.69	-0.09	1.72	3.06	0.02	0.60	4.73	-0.11	0.43	7.94	0.72	0.47	10.18	0.54	0.36
		-0.87	5.09		0.01	0.34		-0.05	0.14		0.87	0.16		0.68	0.19
TZYQ96	63.94	0.37	0.50	2.39	-1.01	0.09	5.27	1.01	0.77	6.06	-0.83	0.61	8.22	-1.01	0.97
		3.38	1.49		-0.66	0.05		0.49	0.24		-1.01	0.20		-1.28	0.52
H4XM3G	52.69	-0.86	0.64	2.73	-0.48	0.02	4.36	-0.87	0.32	7.66	0.48	1.46	8.62	-0.69	0.16
		-7.87	1.89		-0.32	0.01		-0.43	0.10		0.59	0.48		-0.87	0.09
6KMCVP	62.67	0.23	0.70	1.82	-1.87	1.73	4.91	0.25	0.44	6.10	-0.80	0.55	8.45	-0.82	0.49
		2.11	2.08		-1.23	0.96		0.12	0.14		-0.97	0.18		-1.05	0.26
HZWGNB	62.87	0.25	0.58	3.19	0.22	0.18	5.21	0.87	0.18	7.93	0.71	0.94	10.48	0.77	0.65
		2.32	1.73		0.15	0.10		0.42	0.06		0.86	0.31		0.98	0.35
NF8BH8	36.82	-2.59	0.80	3.80	1.15	1.31	4.95	0.34	1.63	7.55	0.39	2.32	10.73	0.97	1.89
		-23.74	2.36		0.75	0.73		0.17	0.51		0.48	0.77		1.23	1.02
9Z9V3M	60.53	0.00	0.19	2.84	-0.31	0.01	4.84	0.11	0.74	8.02	0.78	0.77	10.16	0.52	0.33
		-0.03	0.56		-0.20	0.01		0.05	0.23		0.95	0.25		0.66	0.18
FKRFTX	55.95	-0.50	1.98	3.11	0.10	0.10	5.08	0.60	1.31	7.78	0.58	0.83	10.30	0.63	0.37
		-4.61	5.85		0.07	0.06		0.29	0.41		0.71	0.28		0.80	0.20
2TTR8F	66.50	0.65		2.75	-0.45		5.00	0.44		6.60	-0.39		9.70	0.16	
		5.95	0.00		-0.30	0.00		0.22	0.00		-0.47	0.00		0.20	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
R7669N	50.54	-1.09	0.15	2.62	-0.66	0.23	4.21	-1.19	0.58	5.42	-1.36	0.88	8.16	-1.05	2.17
		-10.02	0.46		-0.43	0.13		-0.58	0.18		-1.66	0.29		-1.33	1.17
BWHFH6	63.74	0.35	3.11	4.00	1.46	1.33	5.22	0.90	0.26	6.47	-0.49	1.26	9.15	-0.27	1.06
		3.18	9.22		0.96	0.74		0.44	0.08		-0.60	0.42		-0.35	0.57
Grand Median		60.6			3.05			4.79			7.07			9.50	
Median Abs Dev		4.0			0.31			0.29			0.80			0.88	
Avg Within Lab SD		3.0			0.56			0.31			0.33			0.54	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



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

Mg - sp (SubTestCode 106)	in the Salinity Property Groups												Data units: mmolc/L		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	32.86	-0.07	0.45	1.06	0.19	0.01	1.34	-0.04	0.34	2.76	-0.38	0.37	6.12	0.45	0.29
		-0.62	0.80		0.09	0.00		-0.01	0.05		-0.25	0.05		0.47	0.20
YN7FYE	31.68	-0.21	0.18	2.20	2.71	2.37	1.16	-0.74	0.60	2.13	-1.31	0.99	4.95	-0.66	0.07
		-1.80	0.32		1.23	1.01		-0.19	0.09		-0.88	0.13		-0.69	0.05
RLNPWN	34.61	0.13	0.17	1.13	0.37	0.62	1.39	0.15	0.45	3.31	0.45	1.23	6.01	0.35	0.46
		1.12	0.30		0.17	0.26		0.04	0.07		0.30	0.17		0.37	0.33
ZZZVNF	34.11	0.07	0.13	2.88	4.22	3.80	1.66	1.22	3.98	3.43	0.62	2.34	5.86	0.20	1.09
		0.62	0.23		1.91	1.61		0.31	0.58		0.42	0.32		0.21	0.77
8DFL3A	20.62	-1.48	0.04	0.94	-0.07	0.04	1.34	-0.04	0.07	2.94	-0.10	0.13	4.92	-0.69	0.04
		-12.86	0.06		-0.03	0.02		-0.01	0.01		-0.07	0.02		-0.72	0.03
FXU2ZT	27.83	-0.65	0.26	0.93	-0.08	0.14	1.30	-0.19	0.00	3.40	0.58	0.74	4.07	-1.50	4.22
		-5.65	0.45		-0.04	0.06		-0.05	0.00		0.39	0.10		-1.58	3.00
D2639V	25.97	-0.86	0.77	1.02	0.12	0.71	1.21	-0.56	0.65	2.52	-0.73	0.21	4.68	-0.92	0.27
		-7.52	1.37		0.05	0.30		-0.14	0.10		-0.49	0.03		-0.97	0.19
WNFDGE	30.12	-0.39	0.63	0.81	-0.35	0.07	1.12	-0.90	0.25	2.78	-0.34	0.31	5.16	-0.46	0.33
		-3.37	1.11		-0.16	0.03		-0.23	0.04		-0.23	0.04		-0.49	0.24
64X4W7	38.77	0.61	0.26	1.48	1.13	0.28	1.65	1.20	0.35	3.25	0.35	0.60	5.88	0.22	0.75
		5.28	0.45		0.51	0.12		0.30	0.05		0.24	0.08		0.24	0.54
HPD69R	36.07	0.30	0.49	1.07	0.22	0.14	1.63	1.12	0.79	2.83	-0.26	0.43	5.67	0.02	0.16
		2.58	0.86		0.10	0.06		0.28	0.12		-0.18	0.06		0.02	0.12
NLT4RL	44.53	1.27		1.17	0.44		1.52	0.67		3.86	1.27		7.22	1.49	
		11.05	0.00		0.20	0.00		0.17	0.00		0.85	0.00		1.57	0.00
GQAZHV	51.98	2.12	3.07	1.31	0.76	0.34	1.81	1.81	0.35	4.58	2.35	0.74	7.53	1.79	0.21
		18.50	5.43		0.34	0.15		0.46	0.05		1.57	0.10		1.89	0.15
TZYQ96	37.72	0.49	0.33	0.74	-0.51	0.01	1.37	0.08	0.41	2.67	-0.51	0.59	5.18	-0.44	0.37
		4.24	0.57		-0.23	0.00		0.02	0.06		-0.34	0.08		-0.47	0.26
H4XM3G	31.52	-0.23	0.48	0.86	-0.23	0.04	1.28	-0.28	0.24	3.44	0.64	2.09	5.09	-0.53	0.10
		-1.96	0.85		-0.11	0.02		-0.07	0.04		0.43	0.28		-0.55	0.07
6KMCVP	36.76	0.38	0.87	0.60	-0.81	0.70	1.36	0.04	0.44	2.58	-0.64	0.50	5.06	-0.55	0.24
		3.28	1.54		-0.37	0.30		0.01	0.06		-0.43	0.07		-0.58	0.17
HZWGNB	35.92	0.28	0.11	0.99	0.04	0.00	1.43	0.30	0.32	3.35	0.50	0.35	6.09	0.42	0.31
		2.44	0.19		0.02	0.00		0.08	0.05		0.34	0.05		0.44	0.22
NF8BH8	9.78	-2.72	0.17	0.68	-0.63	0.45	0.68	-2.65	0.60	1.62	-2.08	1.30	3.30	-2.23	0.51
		-23.71	0.30		-0.29	0.19		-0.67	0.09		-1.39	0.18		-2.35	0.36
9Z9V3M	32.41	-0.12	0.14	0.78	-0.42	0.00	1.18	-0.68	0.32	3.12	0.17	0.67	5.63	-0.01	0.12
		-1.07	0.25		-0.19	0.00		-0.17	0.05		0.11	0.09		-0.01	0.09
FKRFTX	31.39	-0.24	1.87	0.95	-0.04	0.04	1.43	0.32	1.12	3.08	0.11	1.21	5.66	0.01	0.18
		-2.09	3.31		-0.02	0.02		0.08	0.16		0.07	0.16		0.01	0.13
2TTR8F	41.33	0.90		0.88	-0.20		1.33	-0.07		2.87	-0.21		6.03	0.36	
		7.85	0.00		-0.09	0.00		-0.02	0.00		-0.14	0.00		0.38	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
R7669N	29.64	-0.44	0.22	0.76	-0.45	0.07	1.08	-1.04	0.31	2.27	-1.11	0.80	4.72	-0.88	0.88
		-3.84	0.38		-0.21	0.03		-0.27	0.05		-0.74	0.11		-0.92	0.63
BWHFH6	41.24	0.89	2.49	1.35	0.85	0.40	1.54	0.75	1.34	3.08	0.10	1.66	6.33	0.65	0.70
		7.76	4.40		0.38	0.17		0.19	0.20		0.07	0.23		0.68	0.50
Grand Median		33.5			0.97			1.35			3.01			5.65	
Median Abs Dev		3.6			0.18			0.16			0.34			0.52	
Avg Within Lab SD		1.8			0.43			0.15			0.14			0.71	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



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

Na - sp (SubTestCode 107)	in the Salinity Property Groups														Data units: mmolc/L		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410				
XQBLZF	112.60	0.46	0.43	0.72	0.32	0.19	0.56	0.40	0.20	0.36	0.12	0.08	0.31	0.33	0.04		
		8.93	2.32		0.23	0.13		0.09	0.04		0.02	0.01		0.05	0.00		
YN7FYE	101.18	-0.13	0.43	3.82	4.66	3.92	0.48	0.03	0.00	0.32	-0.09	0.05	0.25	-0.10	0.02		
		-2.49	2.34		3.33	2.62		0.01	0.00		-0.02	0.01		-0.01	0.00		
RLNPWN	112.40	0.45	0.79	1.01	0.73	1.15	0.48	0.05	0.53	0.33	-0.02	0.18	0.23	-0.21	0.24		
		8.73	4.29		0.52	0.77		0.01	0.10		0.00	0.03		-0.03	0.03		
ZZZVNF	94.00	-0.50	1.32	1.96	2.05	1.80	0.83	1.55	2.07	0.48	0.80	1.09	0.28	0.14	1.04		
		-9.67	7.16		1.47	1.21		0.36	0.38		0.14	0.15		0.02	0.11		
8DFL3A	70.64	-1.72	0.01	0.40	-0.12	0.01	0.49	0.08	0.05	0.35	0.07	0.00	0.26	-0.02	0.09		
		-33.03	0.07		-0.09	0.01		0.02	0.01		0.01	0.00		0.00	0.01		
FXU2ZT	87.87	-0.82	0.51	0.63	0.20	0.17	0.57	0.42	0.31	0.50	0.91		0.43	1.22	0.54		
		-15.80	2.78		0.15	0.12		0.10	0.06		0.16	0.00		0.17	0.06		
D2639V	86.30	-0.90	0.50	0.92	0.61	0.82	0.48	0.04	0.62	0.44	0.56	0.87	0.28	0.10	0.24		
		-17.37	2.69		0.44	0.55		0.01	0.11		0.10	0.12		0.01	0.03		
WNFDGE	79.49	-1.26	0.51	1.07	0.81	0.52	1.38	3.99	4.02	1.03	3.86	4.18	0.69	3.06	3.65		
		-24.17	2.78		0.58	0.35		0.91	0.74		0.69	0.57		0.43	0.39		
64X4W7	116.67	0.68	0.28	1.10	0.86	0.11	0.46	-0.03	0.33	0.43	0.54	1.18	0.24	-0.19	0.48		
		13.00	1.53		0.62	0.08		-0.01	0.06		0.10	0.16		-0.03	0.05		
HPD69R	111.50	0.41	0.57	0.50	0.02		0.50	0.13		0.47	0.72	0.42	0.33	0.50	0.54		
		7.83	3.12		0.01	0.00		0.03	0.00		0.13	0.06		0.07	0.06		
NLT4RL	110.70	0.37		0.45	-0.05		0.43	-0.18		0.34	0.02		0.27	0.05			
		7.03	0.00		-0.04	0.00		-0.04	0.00		0.00	0.00		0.01	0.00		
GQAZHV	140.26	1.90	1.83	0.32	-0.23	0.06	0.30	-0.73	0.03	0.26	-0.45	0.04	0.27	0.02	0.61		
		36.59	9.91		-0.17	0.04		-0.17	0.01		-0.08	0.01		0.00	0.06		
TZYQ96	122.82	1.00	0.82	0.35	-0.19	0.15	0.38	-0.38	0.18	0.24	-0.55	0.06	0.14	-0.85	0.07		
		19.15	4.42		-0.14	0.10		-0.09	0.03		-0.10	0.01		-0.12	0.01		
H4XM3G	89.67	-0.73	0.54	0.31	-0.24	0.02	0.45	-0.08	0.11	0.30	-0.22	0.11	0.15	-0.81	0.00		
		-14.00	2.91		-0.18	0.02		-0.02	0.02		-0.04	0.02		-0.11	0.00		
6KMCVP	115.07	0.59	0.86	0.74	0.36	0.32	0.98	2.21	0.51	0.76	2.37	0.93	0.64	2.74	0.61		
		11.40	4.69		0.26	0.21		0.51	0.09		0.43	0.13		0.38	0.07		
HZWGNB	103.23	-0.02	0.36	0.30	-0.26	0.00	0.29	-0.79	0.14	0.22	-0.67	0.00	0.25	-0.12	1.89		
		-0.44	1.96		-0.18	0.00		-0.18	0.03		-0.12	0.00		-0.02	0.20		
NF8BH8	101.23	-0.13	1.35	2.05	2.18	0.97	0.74	1.16	0.32	0.58	1.37	0.13	0.52	1.86	0.28		
		-2.44	7.34		1.56	0.65		0.26	0.06		0.25	0.02		0.26	0.03		
9Z9V3M	104.10	0.02	0.18	0.35	-0.20	0.05	0.35	-0.55	0.11	0.33	-0.06	0.08	0.25	-0.12	0.45		
		0.44	0.96		-0.14	0.03		-0.12	0.02		-0.01	0.01		-0.02	0.05		
FKRFTX	96.52	-0.37	1.83	0.34	-0.20	0.02	0.39	-0.37	0.25	0.30	-0.21	0.15	0.23	-0.28	0.07		
		-7.15	9.94		-0.15	0.02		-0.08	0.05		-0.04	0.02		-0.04	0.01		
2TTR8F	120.00	0.85		0.32	-0.24		0.32	-0.66		0.27	-0.37						
		16.33	0.00		-0.17	0.00		-0.15	0.00		-0.07	0.00					



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
R7669N	95.80	-0.41	0.12	0.28	-0.29	0.01	0.29	-0.79	0.05	0.21	-0.71	0.07	0.16	-0.77	0.20
		-7.87	0.65		-0.21	0.01		-0.18	0.01		-0.13	0.01		-0.11	0.02
		1.12	2.77		-0.02	0.08		-0.21	0.41		-0.17	0.08			
BWHFH6	125.13	21.46	15.05	0.48	-0.01	0.05	0.42	-0.05	0.08	0.31	-0.03	0.01			
Grand Median		103.7			0.49			0.47			0.34			0.26	
Median Abs Dev		10.5			0.18			0.09			0.09			0.03	
Avg Within Lab SD		5.4			0.67			0.18			0.14			0.11	
Labs Included		22			22			22			22			20	
Labs Reporting		22			22			22			22			20	



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

SAR - sp (SubTestCode 108)	in the Salinity Property Groups															Data units: value
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	16.42	0.55	0.48	0.48	0.31	0.27	0.31	0.32	0.22	0.16	0.30	0.07	0.11	0.13	0.00	
		1.04	0.23		0.12	0.09		0.05	0.03		0.02	0.00		0.01	0.00	
YN7FYE	15.51	0.06	0.40	1.89	3.84	3.28	0.29	0.18	0.12	0.17	0.33	0.11	0.10	-0.04	0.01	
		0.12	0.20		1.53	1.03		0.03	0.01		0.03	0.01		0.00	0.00	
RLNPWN	16.05	0.35	1.07	0.65	0.74	1.39	0.27	-0.01	0.45	0.14	-0.01	0.13	0.08	-0.31	0.24	
		0.66	0.52		0.30	0.44		0.00	0.05		0.00	0.01		-0.02	0.01	
ZZZVNF	13.66	-0.91	2.20	1.06	1.77	1.82	0.46	1.33	1.42	0.21	0.81	1.04	0.10	0.08	1.02	
		-1.72	1.08		0.70	0.57		0.19	0.16		0.07	0.07		0.00	0.04	
FXU2ZT	14.11	-0.67	0.51	0.46	0.25	0.22	0.32	0.38	0.19	0.21	0.88	0.17	0.15	0.88	0.35	
		-1.28	0.25		0.10	0.07		0.05	0.02		0.07	0.01		0.05	0.02	
D2639V	14.37	-0.54	0.31	0.69	0.83	0.99	0.30	0.22	0.62	0.22	0.92	0.86	0.11	0.22	0.27	
		-1.02	0.15		0.33	0.31		0.03	0.07		0.08	0.06		0.01	0.01	
WNFDGE	11.75	-1.92	0.49	0.79	1.10	0.84	0.82	3.85	3.87	0.46	3.82	3.91	0.25	2.54	3.36	
		-3.64	0.24		0.44	0.26		0.55	0.43		0.32	0.26		0.15	0.15	
HPD69R	16.60	0.64	1.22	0.40	0.11	0.00	0.30	0.22	0.00	0.20	0.72	0.00	0.17	1.11	1.33	
		1.21	0.60		0.05	0.00		0.03	0.00		0.06	0.00		0.07	0.06	
NLT4RL	14.73	-0.35		0.31	-0.11		0.25	-0.13		0.14	0.00		0.10	0.00		
		-0.66	0.00		-0.05	0.00		-0.02	0.00		0.00	0.00		0.00	0.00	
GQAZHV	18.77	1.78	1.02	0.22	-0.35	0.05	0.17	-0.72	0.05	0.10	-0.48	0.00	0.09	-0.17	0.40	
		3.39	0.50		-0.14	0.02		-0.10	0.01		-0.04	0.00		-0.01	0.02	
TZYQ96	17.23	0.97	1.06	0.28	-0.19	0.26	0.21	-0.41	0.12	0.11	-0.31	0.03	0.06	-0.73	0.05	
		1.84	0.52		-0.08	0.08		-0.06	0.01		-0.03	0.00		-0.04	0.00	
H4XM3G	13.82	-0.83	0.46	0.23	-0.31	0.03	0.27	0.01	0.09	0.13	-0.16	0.09	0.06	-0.66	0.00	
		-1.57	0.23		-0.13	0.01		0.00	0.01		-0.01	0.01		-0.04	0.00	
6KMCVP	16.32	0.49	0.75	0.71	0.88	0.37	0.55	1.99	0.44	0.37	2.69	0.90	0.25	2.46	0.56	
		0.93	0.37		0.35	0.12		0.28	0.05		0.23	0.06		0.15	0.02	
9Z9V3M	15.27	-0.06	0.22	0.26	-0.25	0.07	0.20	-0.46	0.05	0.14	-0.04	0.09	0.09	-0.17	0.40	
		-0.12	0.11		-0.10	0.02		-0.07	0.01		0.00	0.01		-0.01	0.02	
FKRFTX	14.67	-0.38	1.54	0.24	-0.29	0.03	0.21	-0.39	0.14	0.13	-0.16	0.09				
		-0.72	0.76		-0.12	0.01		-0.06	0.02		-0.01	0.01				
2TTR8F	16.40	0.53		0.24	-0.29		0.18	-0.62		0.13	-0.12					
		1.01	0.00		-0.12	0.00		-0.09	0.00		-0.01	0.00				
R7669N	15.13	-0.13	0.12	0.22	-0.35	0.02	0.18	-0.62	0.00	0.11	-0.40	0.09	0.06	-0.63	0.09	
		-0.26	0.06		-0.14	0.01		-0.09	0.00		-0.03	0.01		-0.04	0.00	
BWHFH6	17.23	0.97	2.04	0.29	-0.16	0.03	0.23	-0.27	0.31	0.14	0.00	0.00				
		1.85	1.00		-0.07	0.01		-0.04	0.03		0.00	0.00				



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	15.4			0.36			0.27			0.14			0.10		
Median Abs Dev	1.0			0.12			0.06			0.03			0.02		
Avg Within Lab SD	0.5			0.32			0.11			0.07			0.04		
Labs Included	18			18			18			18			15		
Labs Reporting	18			18			18			18			15		



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

Cl - sp (SubTestCode 109)	in the Salinity Property Groups															Data units: mmol/L
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	103.77	0.01	0.46	1.38	0.63	0.60	3.55	0.38	0.10	0.88	0.10	0.06	5.24	0.04	0.20	
		0.33	3.00		0.26	0.15		0.33	0.04		0.03	0.00		0.40	0.06	
YN7FYE	98.85	-0.17	2.04	1.39	0.67	3.89	2.69	-0.62	0.38	0.76	-0.33	0.10	4.03	-0.09	0.19	
		-4.59	13.15		0.27	0.97		-0.53	0.15		-0.10	0.01		-0.81	0.05	
RLNPWN	98.59	-0.18	0.43	1.06	-0.14	0.26	3.31	0.10	0.29	0.88	0.10	0.89	4.55	-0.03	0.41	
		-4.86	2.78		-0.06	0.07		0.09	0.12		0.03	0.05		-0.29	0.12	
ZZZVNF	129.13	0.95	2.32	1.15	0.07	0.30	2.21	-1.19	4.07	0.85	0.00	1.00	5.47	0.07	2.13	
		25.69	14.95		0.03	0.08		-1.01	1.62		0.00	0.05		0.63	0.61	
8DFL3A	11.16	-3.43	0.00	0.30	-2.02	0.02	0.45	-3.25	0.01	0.40	-1.56	0.00	0.34	-0.50	0.04	
		-92.29	0.01		-0.82	0.01		-2.77	0.01		-0.45	0.00		-4.49	0.01	
D2639V	90.30	-0.49	0.72	0.94	-0.44	1.19	2.81	-0.48	0.60	0.68	-0.60	0.20	4.84	0.00	2.34	
		-13.14	4.64		-0.18	0.30		-0.41	0.24		-0.17	0.01		0.00	0.67	
WNFDGE	91.36	-0.45	0.46	0.94	-0.45	0.39	2.96	-0.30	0.31	0.82	-0.11	2.20	4.31	-0.06	0.86	
		-12.08	2.95		-0.18	0.10		-0.26	0.12		-0.03	0.11		-0.52	0.25	
64X4W7	111.73	0.31	0.10	1.78	1.63	0.78	3.96	0.87	0.14	0.81	-0.16	1.66	5.93	0.12	0.29	
		8.29	0.64		0.66	0.20		0.74	0.06		-0.05	0.09		1.09	0.08	
HPD69R	116.83	0.50	2.08	1.22	0.24	0.31	3.48	0.31	0.40	0.99	0.46	0.98	5.39	0.06	0.81	
		13.39	13.40		0.10	0.08		0.26	0.16		0.13	0.05		0.55	0.23	
TZYQ96	126.35	0.85	0.30	1.18	0.15	0.23	4.09	1.02	0.34	0.90	0.15	1.02	5.25	0.05	0.48	
		22.91	1.97		0.06	0.06		0.87	0.13		0.04	0.05		0.41	0.14	
H4XM3G	98.09	-0.20	0.03	0.96	-0.38	0.26	3.23	0.01	0.32	0.77	-0.29	0.68	4.29	-0.06	0.26	
		-5.35	0.20		-0.16	0.07		0.01	0.13		-0.08	0.03		-0.54	0.07	
6KMCVP	107.47	0.15	1.43	1.64	1.28	0.48	2.59	-0.74	0.26	1.14	0.98	1.84	3.24	-0.18	0.30	
		4.02	9.25		0.52	0.12		-0.63	0.10		0.28	0.09		-1.60	0.09	
HZWGNB	104.27	0.03	0.07	1.01	-0.28	0.07	3.27	0.06	0.14	0.80	-0.19	0.84	4.97	0.02	0.83	
		0.83	0.43		-0.11	0.02		0.05	0.06		-0.05	0.04		0.14	0.24	
2GJ8RT	6.60	-3.60		2.30	2.90		5.40	2.56		2.80	6.70		107.80	11.37		
		-96.84	0.00		1.18	0.00		2.18	0.00		1.95	0.00		102.96	0.00	
9Z9V3M	109.89	0.24	0.25	0.99	-0.32	0.08	3.16	-0.07	0.13	0.89	0.13	0.20	5.15	0.03	0.09	
		6.45	1.63		-0.13	0.02		-0.06	0.05		0.04	0.01		0.31	0.03	
FKRFTX	95.52	-0.29	1.13	1.12	0.00	0.28	3.46	0.28	0.88	0.88	0.10	0.81	4.78	-0.01	0.20	
		-7.92	7.27		0.00	0.07		0.24	0.35		0.03	0.04		-0.06	0.06	
2TTR8F	116.77	0.50		0.93	-0.47		3.22	0.00		0.78	-0.25		5.05	0.02		
		13.33	0.00		-0.19	0.00		0.00	0.00		-0.07	0.00		0.21	0.00	
R7669N	90.97	-0.46	0.44	0.96	-0.39	0.07	2.76	-0.54	0.34	0.68	-0.61	1.15	4.00	-0.09	2.39	
		-12.47	2.87		-0.16	0.02		-0.46	0.14		-0.18	0.06		-0.83	0.68	
BWHFH6	103.44	0.00	0.58	1.26	0.34	0.81	3.20	-0.02	0.60	0.85	0.00	0.98	4.68	-0.02	0.63	
		0.00	3.77		0.14	0.20		-0.02	0.24		0.00	0.05		-0.16	0.18	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	103.4			1.12			3.22			0.85			4.84		
Median Abs Dev	8.3			0.16			0.33			0.05			0.52		
Avg Within Lab SD	6.5			0.25			0.40			0.05			0.29		
Labs Included	19			19			19			19			19		
Labs Reporting	19			19			19			19			19		



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

SO4 - sp (SubTestCode 110)															
in the Salinity Property Groups															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
	Sample Mean	Z Score	k Score	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	46.9			0.92			1.33			1.09			1.08		
Median Abs Dev	3.1			0.15			0.11			0.06			0.13		
Avg Within Lab SD	3.9			0.46			0.43			0.07			1.13		
Labs Included	17			17			17			17			17		
Labs Reporting	17			17			17			17			17		



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

NO3 - sp (SubTestCode 111)															
in the Salinity Property Groups															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
													Data units: mmolc/L		
XQBLZF	49.79	0.07	0.52	4.10	0.11	0.26	0.07	-0.80	0.06	6.51	-0.07	0.02	6.57	0.23	0.26
		1.17	1.43		0.17	0.08		-0.73	0.02		-0.21	0.01		0.93	0.20
RLNPWN	57.85	0.59	1.69	4.90	0.64	1.79	1.51	0.77	0.29	8.85	0.68	2.63	8.72	0.76	2.20
		9.22	4.67		0.97	0.57		0.70	0.10		2.13	1.59		3.07	1.66
ZZZVNF	65.73	1.10	0.86	4.35	0.28	0.67	1.30	0.54	3.02	11.90	1.65	1.20	11.07	1.34	1.76
		17.11	2.37		0.42	0.21		0.49	1.05		5.17	0.73		5.42	1.33
D2639V	35.07	-0.87	0.64	2.00	-1.28	0.87	0.01	-0.87	0.02	5.24	-0.47	0.19	1.94	-0.92	0.41
		-13.56	1.78		-1.94	0.28		-0.79	0.01		-1.48	0.12		-3.71	0.31
WNFDGE	43.93	-0.30	0.51	3.73	-0.14	0.21	0.40	-0.44	0.08	6.94	0.07	0.21	5.02	-0.16	0.22
		-4.70	1.42		-0.21	0.07		-0.41	0.03		0.21	0.13		-0.63	0.17
TZYQ96	13.09	-2.28	0.11	0.19	-2.47	0.17	0.03	-0.85	0.05	1.03	-1.82	0.07	0.11	-1.37	0.04
		-35.53	0.30		-3.74	0.05		-0.77	0.02		-5.69	0.04		-5.54	0.03
H4XM3G	41.08	-0.48	0.89	3.90	-0.02	0.45	1.05	0.27	0.46	7.04	0.10	0.13	5.50	-0.04	0.15
		-7.54	2.46		-0.04	0.14		0.25	0.16		0.32	0.08		-0.15	0.11
9Z9V3M	49.99	0.09	0.36	3.85	-0.05	0.37	0.56	-0.27	0.06	7.82	0.35	0.46	5.79	0.04	0.51
		1.37	1.01		-0.08	0.12		-0.25	0.02		1.10	0.28		0.15	0.39
FKRFTX	49.62	0.06	1.85	4.90	0.64	0.35	2.00	1.31	0.76	9.17	0.78	0.68	9.24	0.89	0.24
		1.00	5.11		0.97	0.11		1.19	0.26		2.44	0.41		3.59	0.18
2TTR8F	13.58	-2.25		0.55	-2.23					1.15	-1.78		0.21	-1.35	
		-35.05	0.00		-3.38	0.00					-5.57	0.00		-5.43	0.00
R7669N	48.65	0.00	0.30	4.24	0.20	0.42	1.38	0.63	0.15	6.42	-0.10	0.60	7.22	0.39	1.39
		0.03	0.83		0.31	0.13		0.57	0.05		-0.30	0.36		1.58	1.05
BWHFH6	48.60	0.00	1.73	3.97	0.02	2.61				6.00	-0.23	1.59	3.16	-0.62	1.23
		-0.03	4.79		0.04	0.83					-0.73	0.96		-2.49	0.93
Grand Median		48.6		3.93				0.81			6.72			5.64	
Median Abs Dev		6.1		0.36				0.64			1.29			2.78	
Avg Within Lab SD		2.8		0.32				0.35			0.61			0.76	
Labs Included		12		12				10			12			12	
Labs Reporting		12		12				10			12			12	



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

B - sp (SubTestCode 112)															
in the Salinity Property Groups															
Data units: mg/L															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	3.49	-0.22	0.48	0.05	-0.46	0.01	0.06	-0.46	0.03	0.10	-0.84	0.00	0.04	-0.11	0.00
		-0.14	0.06		-0.05	0.00		-0.03	0.00		-0.03	0.00		-0.01	0.00
RLNPWN	4.73	1.67	1.35	0.31	2.16	3.07	0.35	3.78	3.10	0.17	0.87	0.06	0.06	0.12	0.20
		1.09	0.18		0.22	0.41		0.26	0.47		0.03	0.00		0.01	0.01
ZZZVNF	2.92	-1.09	0.43	0.07	-0.18	0.22	0.07	-0.23	0.14	0.12	-0.50	0.54	0.04	-0.05	0.36
		-0.71	0.06		-0.02	0.03		-0.02	0.02		-0.02	0.02		-0.01	0.01
8DFL3A	2.93	-1.08	0.19	0.02	-0.71	0.00	0.10	0.20	0.04	0.15	0.50	0.20	0.05	-0.03	0.18
		-0.71	0.03		-0.07	0.00		0.01	0.01		0.02	0.01		0.00	0.01
D2639V	2.90	-1.12	0.92	0.18	0.88	0.93	0.08	-0.18	0.14	0.08	-1.49	0.35	0.16	0.91	3.14
		-0.74	0.12		0.09	0.12		-0.01	0.02		-0.05	0.01		0.11	0.10
64X4W7	3.78	0.22	1.43	0.09	0.00	0.08	0.06	-0.43	0.17	0.10	-0.89	1.26	0.04	-0.05	0.78
		0.14	0.19		0.00	0.01		-0.03	0.03		-0.03	0.04		-0.01	0.03
HPD69R	3.88	0.38	0.22	0.04	-0.54	0.17	0.09	0.06	0.04	0.13	-0.04	0.74	0.05	-0.03	0.47
		0.25	0.03		-0.05	0.02		0.00	0.01		0.00	0.02		0.00	0.02
TZYQ96	4.05	0.63	0.88												
		0.41	0.12												
H4XM3G	3.82	0.29	0.61	0.05	-0.38	0.04	0.06	-0.42	0.29	0.17	0.86	1.02	0.05	0.00	0.00
		0.19	0.08		-0.04	0.01		-0.03	0.04		0.03	0.03		0.00	0.00
6KMCVP	4.18	0.83	0.60	0.16	0.65	0.42	0.09	0.00	0.03	0.14	0.21	0.63	0.05	0.03	0.36
		0.54	0.08		0.06	0.06		0.00	0.00		0.01	0.02		0.00	0.01
2GJ8RT	3.49	-0.22		0.13	0.38		0.16	1.02		0.18	1.22		0.23	1.48	
		-0.15	0.00		0.04	0.00		0.07	0.00		0.05	0.00		0.18	0.00
NF8BH8	3.41	-0.35	2.30	0.20	1.08	0.69	0.13	0.63	1.10	0.13	0.00	2.64	0.61	4.61	0.00
		-0.23	0.31		0.11	0.09		0.04	0.17		0.00	0.07		0.56	0.00
Grand Median		3.64			0.09			0.089			0.13			0.050	
Median Abs Dev		0.33			0.05			0.029			0.03			0.007	
Avg Within Lab SD		0.13			0.13			0.150			0.03			0.032	
Labs Included		12			11			11			11			11	
Labs Reporting		12			11			11			11			11	



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

Soil EC (1:1) (SubTestCode 113)	in the Soil pH & EC Property Groups															Data units: dS/m
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
MFBFHP	5.72	0.17	0.41	0.24	0.02	0.01	0.26	0.27	0.04	0.68	0.17	0.00	0.72	0.22	0.57	
		0.36	0.10		0.01	0.01		0.02	0.01		0.02	0.00		0.03	0.02	
YN7FYE	2.49	-1.37	0.02	0.18	-0.13	0.01	0.23	-0.03	0.04	0.80	1.25	0.38	0.69	0.01	0.57	
		-2.88	0.01		-0.05	0.02		0.00	0.01		0.14	0.01		0.00	0.02	
4TLEHA	5.37	0.00	0.04	0.23	-0.01	0.00	0.24	0.03	0.00	0.64	-0.21	0.00	0.67	-0.12	0.15	
		0.00	0.01		0.00	0.00		0.00	0.00		-0.02	0.00		-0.02	0.01	
RLNPWN	8.21	1.35	0.07	0.32	0.21	0.00	0.38	1.79	0.10	0.80	1.22	0.00	0.87	1.30	0.55	
		2.84	0.02		0.09	0.01		0.14	0.02		0.14	0.00		0.18	0.02	
ZZZVNF	4.71	-0.31	0.19	0.11	-0.29	0.00	0.21	-0.28	0.04	0.75	0.81	0.19	0.61	-0.50	0.16	
		-0.65	0.05		-0.12	0.01		-0.02	0.01		0.09	0.01		-0.07	0.01	
3YVF4E	2.92	-1.16	0.13	5.80	13.76	4.90	0.60	4.55	4.86	0.44	-1.98	0.46	0.29	-2.76	0.10	
		-2.45	0.03		5.57	9.70		0.36	0.78		-0.23	0.01		-0.39	0.00	
YFBCVH	0.00	-2.55	0.00	0.20	-0.09	0.01	0.22	-0.23	0.03	0.71	0.46	2.59	0.62	-0.49	0.25	
		-5.36	0.00		-0.03	0.02		-0.02	0.01		0.05	0.08		-0.07	0.01	
2VXC28	4.80	-0.27	0.07	0.21	-0.05	0.01	0.20	-0.49	0.04	0.61	-0.45	0.33	0.58	-0.71	0.42	
		-0.57	0.02		-0.02	0.01		-0.04	0.01		-0.05	0.01		-0.10	0.02	
WC2FCB	5.53	0.08	0.25	0.16	-0.17	0.00	0.20	-0.49	0.04	0.57	-0.77	0.84	0.60	-0.60	0.00	
		0.17	0.06		-0.07	0.01		-0.04	0.01		-0.09	0.03		-0.09	0.00	
263JG8	3.59	-0.85	0.49	0.16	-0.17	0.00	0.21	-0.32	0.06	0.67	0.04	0.36	0.64	-0.33	0.30	
		-1.78	0.12		-0.07	0.00		-0.03	0.01		0.00	0.01		-0.05	0.01	
WNFDGE	4.88	-0.23	0.32	0.23	-0.01	0.00	0.23	-0.11	0.04	0.67	0.11	0.45	0.68	-0.01	0.10	
		-0.49	0.07		0.00	0.00		-0.01	0.01		0.01	0.01		0.00	0.00	
NLT4RL	4.23	-0.54	0.31	0.28	0.13	0.00	0.22	-0.24	0.13	0.86	1.71	0.38	0.71	0.20	0.63	
		-1.14	0.07		0.05	0.01		-0.02	0.02		0.20	0.01		0.03	0.02	
4E3UZ3	5.34	-0.01	0.41	0.21	-0.05	0.01	0.27	0.44	0.06	0.66	-0.04	0.19	0.69	0.03	0.00	
		-0.03	0.10		-0.02	0.01		0.03	0.01		0.00	0.01		0.00	0.00	
6R6KGZ	7.74	1.13	2.76	0.31	0.20	0.01	0.25	0.17	0.10	0.69	0.23	0.54	0.75	0.46	0.89	
		2.38	0.64		0.08	0.02		0.01	0.02		0.03	0.02		0.07	0.03	
LJER2K	5.82	0.22	0.04	0.25	0.05	0.01	0.20	-0.45	0.06	0.59	-0.62	0.66	0.59	-0.69	0.42	
		0.45	0.01		0.02	0.01		-0.04	0.01		-0.07	0.02		-0.10	0.02	
TZYQ96	9.42	1.93	0.55	0.27	0.11	0.00	0.33	1.21	0.04	0.71	0.41	0.45	0.93	1.74	0.62	
		4.05	0.13		0.04	0.00		0.10	0.01		0.05	0.01		0.25	0.02	
H4XM3G	8.02	1.26	0.02	0.29	0.14	0.01	0.34	1.37	0.04	0.64	-0.15	1.02	0.92	1.65	1.45	
		2.65	0.01		0.06	0.01		0.11	0.01		-0.02	0.03		0.23	0.05	
ABLFYN	5.44	0.03	0.31	0.30	0.17	0.01	0.27	0.40	0.14	0.74	0.72	0.96	0.83	1.02	0.73	
		0.07	0.07		0.07	0.02		0.03	0.02		0.08	0.03		0.14	0.03	
EDAF6L	5.95	0.28	0.26	0.23	0.00	0.01	0.25	0.18	0.06	0.62	-0.33	0.19	0.71	0.20	0.16	
		0.59	0.06		0.00	0.01		0.01	0.01		-0.04	0.01		0.03	0.01	
3P8J4X	4.20	-0.55	1.13	0.20	-0.08	0.00	0.17	-0.87	0.36	0.73	0.63	1.92	0.63	-0.36	1.58	
		-1.17	0.26		-0.03	0.00		-0.07	0.06		0.07	0.06		-0.05	0.06	



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
6KMCVP	5.37	0.00	0.50	0.31	0.19	0.01	0.24	0.03	0.14	0.58	-0.75	0.60	0.82	0.96	1.37
		0.00	0.12		0.08	0.03		0.00	0.02		-0.09	0.02		0.14	0.05
RG9DW2	5.20	-0.08	0.86	0.20	-0.08	0.00	0.20	-0.45	0.00	0.53	-1.12	1.92	0.60	-0.60	0.00
		-0.17	0.20		-0.03	0.00		-0.04	0.00		-0.13	0.06		-0.09	0.00
RDUHG4	6.60	0.59	2.27	0.23	0.00	0.03	0.17	-0.87	0.36	0.53	-1.12	1.92	0.57	-0.83	1.58
		1.23	0.53		0.00	0.06		-0.07	0.06		-0.13	0.06		-0.12	0.06
9Z9V3M	7.95	1.23	2.76	0.27	0.10	0.00	0.31	0.93	0.03	0.56	-0.90	1.11	0.74	0.40	3.37
		2.59	0.64		0.04	0.00		0.07	0.00		-0.10	0.03		0.06	0.12
Grand Median		5.37			0.23			0.24			0.66			0.69	
Median Abs Dev		0.90			0.04			0.03			0.07			0.07	
Avg Within Lab SD		0.23			1.98			0.16			0.03			0.04	
Labs Included		24			24			24			24			24	
Labs Reporting		24			24			24			24			24	



ALP Program - Participant Web Summary Report - Cycle 24

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

Soil EC (1:2) (SubTestCode 114)			in the Soil pH & EC Property Groups												Data units: dS/m	
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410				
EKCRXX	3.61	-0.27 -0.42 -0.98	0.21 0.04 0.10	0.19	0.68 0.04 -0.74	0.71 0.01 0.67	0.14	-0.32 -0.02 -0.02	1.07 0.01 1.63	0.30	-0.48 -0.05 2.31	0.83 0.02 1.71	0.35	-0.66 -0.08 0.08	0.64 0.01 2.47	
YN7FYE	2.49	-1.54 0.51	0.02 0.33	0.11	-0.04 0.38	0.01 0.67	0.16	0.00 0.54	0.01 1.63	0.56	0.22 0.57	0.04 0.27	0.44	0.01 0.92	0.06 0.00	
RLNPWN	4.83	0.80 -0.05	0.06 0.30	0.17	0.02 1.00	0.01 1.78	0.20	0.04 0.07	0.01 1.41	0.40	0.05 -0.43	0.01 0.27	0.54	0.11 -0.22	0.00 0.45	
8DFL3A	3.95	-0.07 0.07	0.05 0.48	0.21	0.05 -0.37	0.02 0.67	0.17	0.01 -0.17	0.01 0.81	0.30	-0.04 -0.25	0.01 0.47	0.40	-0.03 -0.36	0.01 0.68	
826UYA	4.13	0.11 -0.41	0.08 2.31	0.13	-0.02 -0.62	0.01 0.00	0.15	-0.01 -0.59	0.01 0.81	0.32	-0.02 -0.14	0.01 2.06	0.38	-0.04 -0.63	0.02 1.55	
7XP3B3	3.39	-0.64 0.43	0.39 0.38	0.12	-0.03 -0.22	0.00 0.59	0.12	-0.04 -0.04	0.01 0.92	0.33	-0.01 -0.28	0.04 0.28	0.35	-0.08 0.23	0.03 0.07	
VDXCLE	4.70	0.68 -0.36	0.06 0.57	0.14	-0.01 -0.01	0.01 0.39	0.16	0.00 0.13	0.01 0.44	0.32	-0.03 0.74	0.01 0.70	0.46	0.03 0.28	0.00 0.55	
WNFDGE	3.47	-0.56 -0.78	0.10 0.91	0.15	0.00 -0.87	0.00 0.47	0.17	0.01 0.13	0.00 0.53	0.41	0.07 -1.15	0.01 0.07	0.46	0.03 -1.03	0.01 0.25	
WHN7Y7	2.81	-1.22 -0.57	0.15 0.34	0.11	-0.05 -0.37	0.00 1.78	0.17	0.01 -0.78	0.00 1.41	0.24	-0.11 -0.71	0.00 0.27	0.30	-0.13 -0.55	0.01 0.78	
RP2M6B	3.14	-0.88 -0.15	0.06 0.36	0.13	-0.02 -0.05	0.02 0.00	0.11	-0.06 -0.50	0.01 0.00	0.28	-0.07 0.89	0.01 0.27	0.36	-0.07 -0.20	0.02 0.93	
ZV7WC6	3.79	-0.24 1.89	0.06 0.99	0.15	0.00 0.69	0.00 0.00	0.13	-0.04 0.17	0.00 0.81	0.43	0.08 1.24	0.01 1.25	0.40	-0.02 0.86	0.02 0.93	
73MLCZ	6.97	2.95 0.19	0.17 0.57	0.19	0.04 0.07	0.00 0.67	0.18	0.01 -0.45	0.01 0.81	0.46	0.12 0.78	0.03 0.27	0.53	0.11 -0.14	0.02 0.45	
RB2NGE	4.33	0.30 0.52	0.10 0.63	0.16	0.00 -0.05	0.01 0.00	0.13	-0.03 0.21	0.01 0.00	0.42	0.07 -0.68	0.01 1.89	0.41	-0.02 0.43	0.01 0.78	
H4XM3G	4.84	0.82 0.63	0.11 0.27	0.15	0.00 0.18	0.00 0.23	0.18	0.02 0.46	0.00 0.52	0.28	-0.06 0.05	0.04 0.10	0.48	0.05 0.70	0.02 0.56	
2HERJY	5.02	0.99 6.14	0.05 2.15	0.16	0.01 7.86	0.00 1.03	0.20	0.03 8.34	0.00 0.75	0.35	0.00 3.20	0.00 0.44	0.51	0.09 6.30	0.01 0.73	
7EE8HV	13.63	9.60 -0.35	0.36 0.87	0.57	0.42 0.37	0.01 0.44	0.75	0.59 -0.47	0.01 0.28	0.64	0.30 0.38	0.01 0.17	1.20	0.77 -0.38	0.02 0.21	
R8KGVZ	3.48	-0.54 -0.15	0.15 0.72	0.17	0.02 -0.25	0.00 2.05	0.13	-0.03 0.02	0.00 1.17	0.38	0.04 0.09	0.00 0.52	0.38	-0.05 -0.08	0.00 1.25	
JKXUW9	3.80	-0.23 0.05	0.12 0.59	0.14	-0.01 0.88	0.02 0.00	0.17	0.00 -0.92	0.01 0.00	0.35	0.01 -0.46	0.01 0.00	0.42	-0.01 -0.22	0.03 0.00	
TV4ULY	4.10	0.07 -0.28	0.10 2.24	0.20	0.05 -0.18	0.00 1.17	0.10	-0.07 -0.76	0.00 1.47	0.30	-0.04 -0.44	0.00 2.60	0.40	-0.03 0.10	0.00 1.77	
6KMCVP	3.59	-0.44 0.38	0.38 0.38	0.14	-0.01 0.01	0.01 0.01	0.11	-0.05 0.01	0.01 0.01	0.30	-0.04 0.05	0.05 0.05	0.44	0.01 0.01	0.04 0.04	



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
9Z9V3M	4.77	0.48	0.31	0.15	-0.02	0.41	0.18	0.16	0.08	0.33	-0.12	0.38	0.47	0.31	0.31
		0.75	0.05		0.00	0.00		0.01	0.00		-0.01	0.01		0.04	0.01
FKRFTX	4.44	0.26	0.37	0.17	0.23	0.18	0.19	0.36	0.22	0.37	0.27	0.07	0.49	0.48	0.12
		0.41	0.06		0.01	0.00		0.03	0.00		0.03	0.00		0.06	0.00
BWHFH6	4.77	0.48	1.39	0.15	0.01	0.55	0.17	0.13	0.70	0.34	-0.05	0.31	0.50	0.61	0.54
		0.74	0.24		0.00	0.00		0.01	0.00		0.00	0.01		0.07	0.01
W44REJ	3.73	-0.19	1.20	0.16	0.07	2.69	0.13	-0.45	2.15	0.39	0.46	1.52	0.37	-0.44	2.21
		-0.30	0.20		0.00	0.02		-0.03	0.02		0.04	0.03		-0.05	0.05
Grand Median		4.03			0.15			0.17			0.34			0.43	
Median Abs Dev		0.60			0.02			0.02			0.04			0.05	
Avg Within Lab SD		0.17			0.01			0.01			0.02			0.02	
Labs Included		24			24			24			24			24	
Labs Reporting		24			24			24			24			24	



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

	pH (1:1) Water (SubTestCode 115)			in the Soil pH & EC Property Groups									Data units: Unit		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	7.50	0.16		6.80	0.00	1.79	6.50	0.30		6.00	0.31	0.42	7.43	0.16	0.56
		0.03	0.00		0.00	0.10		0.05	0.00		0.07	0.10		0.04	0.06
MFBFHP	7.47	0.00	0.00	6.78	-0.13	0.18	6.38	-0.40	0.60	5.80	-0.63	0.00	7.62	0.98	5.65
		0.00	0.00		-0.02	0.01		-0.07	0.03		-0.13	0.00		0.23	0.59
EKCRXX	6.94	-2.93	2.40	6.74	-0.38	1.19	6.51	0.34	1.39	6.00	0.31	0.44	7.09	-1.32	1.02
		-0.53	0.11		-0.06	0.07		0.06	0.07		0.07	0.11		-0.31	0.11
2HPU3C	7.50	0.16		6.80	0.00	0.00	6.37	-0.50	1.21	5.90	-0.16	0.00	7.43	0.16	0.56
		0.03	0.00		0.00	0.00		-0.08	0.06		-0.03	0.00		0.04	0.06
YN7FYE	7.47	0.02	0.35	6.73	-0.45	0.27	6.42	-0.16	0.12	5.91	-0.13	0.02	7.40	0.00	0.06
		0.00	0.02		-0.07	0.02		-0.03	0.01		-0.03	0.01		0.00	0.01
4TLEHA	7.56	0.49	0.23	6.69	-0.74	0.18	6.30	-0.91	0.00	5.85	-0.39	0.00	7.44	0.19	0.00
		0.09	0.01		-0.11	0.01		-0.15	0.00		-0.08	0.00		0.04	0.00
77XW3A	7.40	-0.38	0.60	6.84	0.25	0.27	6.46	0.04	0.73	6.03	0.46	0.13	7.40	0.03	0.24
		-0.07	0.03		0.04	0.02		0.01	0.04		0.10	0.03		0.01	0.03
RLNPWN	7.24	-1.25	0.26	6.57	-1.53	1.15	6.21	-1.47	0.12	5.81	-0.58	0.04	7.22	-0.78	0.11
		-0.23	0.01		-0.23	0.06		-0.24	0.01		-0.12	0.01		-0.18	0.01
ZZZVNF	7.46	-0.07	0.35	6.74	-0.43	0.10	6.39	-0.38	0.12	5.82	-0.52	0.05	7.42	0.12	0.11
		-0.01	0.02		-0.06	0.01		-0.06	0.01		-0.11	0.01		0.03	0.01
KCWYAU	7.37	-0.57	1.32	6.87	0.45	1.03	6.53	0.50	1.21	5.93	0.00	0.24	7.53	0.59	0.56
		-0.10	0.06		0.07	0.06		0.08	0.06		0.00	0.06		0.14	0.06
3YVF4E	7.65	0.99	0.91	7.00	1.37	0.27	6.61	0.99	0.53	6.05	0.57	0.11	7.32	-0.33	0.29
		0.18	0.04		0.20	0.02		0.16	0.03		0.12	0.03		-0.08	0.03
YFBCVH	7.52	0.26	0.13	6.54	-1.73	1.34	6.37	-0.50	0.44	5.90	-0.16	0.07	7.41	0.07	0.34
		0.05	0.01		-0.26	0.08		-0.08	0.02		-0.03	0.02		0.02	0.04
826UYA	7.87	2.18	1.32	7.00	1.35		6.57	0.71	1.21	6.17	1.10	0.24	7.70	1.31	0.00
		0.40	0.06		0.20	0.00		0.12	0.06		0.23	0.06		0.30	0.00
2VXC28	7.34	-0.73	0.13	6.76	-0.27	0.47	6.29	-0.99	0.64	5.82	-0.55	0.06	7.25	-0.62	0.15
		-0.13	0.01		-0.04	0.03		-0.16	0.03		-0.12	0.02		-0.14	0.02
WC2FCB	7.43	-0.20	1.32	6.70	-0.67	0.00	6.37	-0.50	1.21	5.83	-0.47	0.12	7.37	-0.13	0.56
		-0.04	0.06		-0.10	0.00		-0.08	0.06		-0.10	0.03		-0.03	0.06
VDXCLE	7.52	0.27	0.82	6.81	0.09	0.27	6.45	0.00	0.72	5.97	0.16	0.12	7.59	0.83	0.26
		0.05	0.04		0.01	0.02		0.00	0.03		0.03	0.03		0.19	0.03
263JG8	7.49	0.09	0.35	6.80	0.00	1.97	6.46	0.06	0.96	5.88	-0.27	0.28	7.40	0.01	0.96
		0.02	0.02		0.00	0.11		0.01	0.05		-0.06	0.07		0.00	0.10
WNFDGE	7.08	-2.16	2.29	6.76	-0.29	2.70	6.33	-0.71	3.20	5.89	-0.20	0.27	7.19	-0.91	0.99
		-0.39	0.10		-0.04	0.15		-0.12	0.15		-0.04	0.07		-0.21	0.10
NLT4RL	7.43	-0.20	1.32	6.70	-0.67	0.00	6.43	-0.10	1.21	5.83	-0.47	0.24	7.37	-0.13	0.56
		-0.04	0.06		-0.10	0.00		-0.02	0.06		-0.10	0.06		-0.03	0.06
ZBBL2B	7.72	1.37	0.46	7.00	1.37	0.72	6.63	1.07	0.24	6.01	0.35	0.09	7.62	0.95	0.06
		0.25	0.02		0.20	0.04		0.18	0.01		0.07	0.02		0.22	0.01



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
ETRBHW	7.55	0.44	0.23	6.81	0.09	0.37	6.50	0.30	0.42	5.97	0.16	0.06	7.50	0.46	0.22
		0.08	0.01		0.01	0.02		0.05	0.02		0.03	0.02		0.11	0.02
		0.16			0.00	0.00		0.10	1.21		-0.16	0.00		0.45	
H2Q66K	7.50	0.03	0.00	6.80	0.00	0.00	6.47	0.02	0.06	5.90	-0.03	0.00	7.50	0.10	0.00
		0.16			0.00	0.00		-0.71	1.21		-0.31	0.24		-0.13	0.56
WHN7Y7	7.50	0.03	0.00	6.80	0.00	0.00	6.33	-0.12	0.06	5.87	-0.07	0.06	7.37	-0.03	0.06
		-0.93			-2.02			-0.30			0.79			-2.14	
MWZJZE	7.30	-0.17	0.00	6.50	-0.30	0.00	6.40	-0.05	0.00	6.10	0.17	0.00	6.90	-0.50	0.00
		0.07	0.26		-0.54	0.00		-0.28	0.12		-0.30	0.00		0.19	0.00
X4MT48	7.48	0.01	0.01	6.72	-0.08	0.00	6.40	-0.05	0.01	5.87	-0.06	0.00	7.44	0.04	0.00
		-0.29	0.48		-0.56	0.27		-0.18	0.00		-0.49	0.11		-0.55	0.19
LXWEBH	7.42	-0.05	0.02	6.72	-0.08	0.02	6.42	-0.03	0.00	5.83	-0.10	0.03	7.27	-0.13	0.02
		0.07	0.73		1.39	0.68		1.01	0.44		0.74	0.17		0.53	0.63
RP2M6B	7.48	0.01	0.03	7.01	0.21	0.04	6.62	0.17	0.02	6.09	0.16	0.04	7.52	0.12	0.07
		-0.11	0.00		-1.01	0.00		-1.51	0.00		0.03	0.00		-0.59	0.00
MD6QFG	7.45	-0.02	0.00	6.65	-0.15	0.00	6.20	-0.25	0.00	5.94	0.01	0.00	7.26	-0.14	0.00
		0.26	0.70		0.07	1.17		-0.58	1.15		-0.63	0.11		-0.12	0.42
4E3UZ3	7.52	0.05	0.03	6.81	0.01	0.07	6.35	-0.10	0.06	5.80	-0.13	0.03	7.37	-0.03	0.04
		0.16			-1.55			-1.03			0.31			-0.85	
6RLVVY	7.50	0.03	0.00	6.57	-0.23	0.00	6.28	-0.17	0.00	6.00	0.07	0.00	7.20	-0.20	0.00
		-1.48	0.00		0.00	0.00		0.10	1.21		0.31	0.00		-0.85	0.00
6R6KGZ	7.20	-0.27	0.00	6.80	0.00	0.00	6.47	0.02	0.06	6.00	0.07	0.00	7.20	-0.20	0.00
		0.44	0.23		0.20	0.31		0.26	0.24		-0.03	0.05		0.50	0.11
EXKAWT	7.55	0.08	0.01	6.83	0.03	0.02	6.49	0.04	0.01	5.93	-0.01	0.01	7.51	0.12	0.01
		-0.66	0.23		-0.38	0.27		-0.81	0.32		4.43	7.30		-0.81	0.10
LJER2K	7.35	-0.12	0.01	6.74	-0.06	0.02	6.32	-0.13	0.02	6.87	0.94	1.75	7.21	-0.19	0.01
		-0.77	0.40		0.04	0.55		0.20	0.32		-0.09	0.06		-0.06	0.15
73MLCZ	7.33	-0.14	0.02	6.81	0.01	0.03	6.48	0.03	0.02	5.91	-0.02	0.02	7.38	-0.01	0.02
		0.53	0.35		-0.29	0.10		0.58	0.32		0.08	0.04		0.26	0.20
RB2NGE	7.57	0.10	0.02	6.76	-0.04	0.01	6.55	0.10	0.02	5.95	0.02	0.01	7.46	0.06	0.02
		-0.05	0.40		0.31	1.72		-1.35	2.72		-0.64	0.24		-0.53	0.74
TZYQ96	7.46	-0.01	0.02	6.85	0.05	0.10	6.23	-0.22	0.13	5.80	-0.14	0.06	7.27	-0.12	0.08
		-0.49	1.95		0.16	0.99		0.48	0.36		0.00	0.42		0.19	0.19
3C6QXV	7.38	-0.09	0.09	6.82	0.02	0.06	6.53	0.08	0.02	5.93	0.00	0.10	7.44	0.04	0.02
		0.62	0.13		0.65	0.10		0.83	0.32		0.58	0.02		0.66	0.10
UBVBN3	7.58	0.11	0.01	6.90	0.10	0.01	6.59	0.14	0.02	6.06	0.12	0.01	7.55	0.15	0.01
		-0.20	0.35		-0.45	0.21		-0.02	0.44		-0.13	0.06		-0.07	0.10
WRRHVZ	7.43	-0.04	0.02	6.73	-0.07	0.01	6.45	0.00	0.02	5.91	-0.03	0.02	7.38	-0.02	0.01
		-1.70	1.65		3.53	3.36		2.22	0.44		2.08	0.21		-1.01	1.31
H4XM3G	7.16	-0.31	0.07	7.32	0.52	0.19	6.82	0.37	0.02	6.37	0.44	0.05	7.16	-0.23	0.14
		-0.27	0.40		0.92	0.99		0.34	0.24		7.00	0.12		-6.11	0.19
ABLFYN	7.42	-0.05	0.02	6.94	0.14	0.06	6.51	0.06	0.01	7.42	1.48	0.03	5.98	-1.42	0.02
		0.84	0.58		1.15	0.36		0.65	0.24		0.39	0.02		0.93	0.06
EDAF6L	7.62	0.15	0.03	6.97	0.17	0.02	6.56	0.11	0.01	6.02	0.08	0.01	7.61	0.22	0.01



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
7EE8HV	7.44	-0.18	0.35	6.57	-1.57	1.37	6.19	-1.55	1.07	5.85	-0.41	0.10	7.28	-0.50	0.17
3P8J4X	7.40	-0.03	0.02	6.73	-0.23	0.08	6.37	-0.26	0.05	6.03	-0.09	0.02	7.43	-0.12	0.02
72RZLU	7.55	-0.38	0.00	6.82	-0.45	1.03	6.40	-0.50	1.21	5.84	0.47	0.24	7.49	0.16	0.56
R8KGVZ	7.58	-0.07	0.00	6.91	-0.07	0.06	6.53	-0.08	0.06	5.96	0.10	0.06	7.52	0.04	0.06
8B969K	7.20	0.46	0.35	7.03	0.11	0.37	6.55	-0.32	0.24	6.04	-0.42	0.11	7.19	0.39	0.06
6KMCVP	7.42	0.08	0.02	6.77	0.02	0.02	6.29	-0.05	0.01	5.84	-0.09	0.03	7.32	0.09	0.01
83HJ3L	7.30	0.59	0.58	6.66	0.72	0.55	6.23	0.48	0.00	5.82	0.11	0.09	7.22	0.55	0.15
RG9DW2	7.63	-1.50	1.03	6.90	0.11	0.03	6.60	0.08	0.00	6.03	0.02	0.02	7.60	0.13	0.02
HZWGNB	6.97	-0.27	0.05	6.60	0.23	0.04	6.15	0.63	0.32	5.68	0.49	0.06	7.02	-0.89	0.26
RDUHG4	7.60	-0.28	0.54	6.87	-0.18	1.97	6.53	-0.96	2.26	6.03	-0.42	0.21	7.57	-0.21	0.03
9Z9V3M	7.11	-0.05	0.02	6.80	-0.03	0.11	6.78	-0.16	0.11	5.20	-0.09	0.05	6.96	-0.34	1.04
W44REJ	7.57	-0.92	0.70	6.85	-0.92	0.55	6.62	-1.35	0.44	6.15	-0.53	0.08	7.34	-0.75	0.62
WUD89L	7.58	-0.17	0.03	6.98	-0.14	0.03	6.55	-0.22	0.02	5.98	-0.11	0.02	7.54	-0.17	0.06
		0.90	1.32		0.67	0.00		0.91	0.00		0.47	0.24		0.88	0.00
		0.16	0.06		0.10	0.00		0.15	0.00		0.10	0.06		0.20	0.00
		-2.77	2.55		-1.35	1.94		-1.79	0.60		-1.18	0.25		-1.63	0.17
		-0.50	0.11		-0.20	0.11		-0.30	0.03		-0.25	0.06		-0.38	0.02
		0.71	0.00		0.45	1.03		0.50	1.21		0.47	0.24		0.73	0.56
		0.13	0.00		0.07	0.06		0.08	0.06		0.10	0.06		0.17	0.06
		-1.96	2.82		-0.02	0.70		1.99	1.81		-3.45	0.37		-1.87	3.23
		-0.36	0.12		0.00	0.04		0.33	0.09		-0.73	0.09		-0.43	0.34
		0.55	2.29		0.36	1.05		1.01	1.60		1.01	0.11		-0.23	1.46
		0.10	0.10		0.05	0.06		0.17	0.08		0.21	0.03		-0.05	0.15
		0.62	0.70		1.19	0.72		0.58	0.97		0.20	0.10		0.60	0.06
		0.11	0.03		0.18	0.04		0.10	0.05		0.04	0.02		0.14	0.01
Grand Median		7.47		6.80			6.45			5.93			7.40		
Median Abs Dev		0.08		0.07			0.08			0.09			0.12		
Avg Within Lab SD		0.04		0.06			0.05			0.24			0.10		
Labs Included		55		55			55			55			55		
Labs Reporting		55		55			55			55			55		



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

	pH (1:2) Water (SubTestCode 116)			in the Soil pH & EC Property Groups						Data units: Unit					
	SRS1406			SRS1407		SRS1408		SRS1409		SRS1410					
YN7FYE	7.61	0.66	0.07	6.86	-0.16	0.15	6.51	-0.11	0.14	6.03	0.02	0.14	7.49	0.17	0.11
		0.16	0.01		-0.03	0.01		-0.02	0.02		0.01	0.01		0.05	0.01
RLNPWN	7.44	-0.04	0.13	6.85	-0.25	0.13	6.39	-0.64	0.19	6.01	-0.02	0.07	7.38	-0.22	0.09
		-0.01	0.01		-0.04	0.01		-0.14	0.02		-0.01	0.01		-0.06	0.01
8DFL3A	7.62	0.72	0.40	6.71	-1.08	0.59	6.27	-1.17	0.11	5.97	-0.17	0.38	7.48	0.16	0.19
		0.17	0.03		-0.18	0.05		-0.26	0.01		-0.05	0.03		0.04	0.02
7XP3B3	7.77	1.35	0.67	7.07	1.08	0.73	6.60	0.32	0.00	6.20	0.67	0.00	7.60	0.58	0.00
		0.32	0.06		0.18	0.06		0.07	0.00		0.18	0.00		0.16	0.00
WNFDGE	7.02	-1.86	2.29	6.89	-0.02	1.52	6.68	0.67	2.73	6.33	1.14	3.61	6.85	-2.17	1.48
		-0.44	0.20		0.00	0.12		0.15	0.29		0.31	0.31		-0.59	0.16
X4MT48	7.54	0.36	0.07	6.87	-0.12	0.00	6.51	-0.11	0.05	6.00	-0.07		7.51	0.25	0.00
		0.09	0.01		-0.02	0.00		-0.02	0.01		-0.02	0.00		0.07	0.00
H4XM3G	7.25	-0.85	0.60	7.33	2.70	1.83	6.80	1.25	0.33	6.30	1.05	1.38	7.01	-1.58	1.51
		-0.20	0.05		0.44	0.14		0.27	0.04		0.28	0.12		-0.43	0.16
2HERJY	7.32	-0.58	0.13	6.95	0.35	0.59	6.53	-0.02	0.05	6.12	0.38	0.07	7.43	-0.02	0.91
		-0.14	0.01		0.06	0.05		0.00	0.01		0.10	0.01		-0.01	0.10
JKXUW9	7.40	-0.22	2.01	7.03	0.88	1.94	6.87	1.54	0.54	6.17	0.54	0.68	7.40	-0.15	1.61
		-0.05	0.17		0.14	0.15		0.34	0.06		0.15	0.06		-0.04	0.17
TV4ULY	7.50	0.21	1.16	6.90	0.06	0.00	6.50	-0.14	0.94	5.90	-0.45	0.00	7.53	0.34	0.54
		0.05	0.10		0.01	0.00		-0.03	0.10		-0.12	0.00		0.09	0.06
6KMCVP	7.53	0.33	0.23	6.89	0.02	0.36	6.55	0.09	0.15	6.00	-0.07	0.30	7.45	0.02	0.13
		0.08	0.02		0.00	0.03		0.02	0.02		-0.02	0.03		0.01	0.01
HZWGNB	7.01	-1.89	1.94	6.76	-0.78	0.92	6.23	-1.36	0.39	5.76	-0.98	0.56	7.14	-1.08	0.53
		-0.44	0.17		-0.13	0.07		-0.30	0.04		-0.26	0.05		-0.30	0.06
9Z9V3M	7.27	-0.77	0.66	6.86	-0.17	1.98	6.80	1.23	2.63	5.24	-2.90	0.17	6.83	-2.21	2.70
		-0.18	0.06		-0.03	0.16		0.27	0.28		-0.78	0.01		-0.61	0.29
2TTR8F	7.46	0.04		6.99	0.61		6.56	0.14		6.13	0.41		7.45	0.04	
		0.01	0.00		0.10	0.00		0.03	0.00		0.11	0.00		0.01	0.00
R7669N	7.56	0.48	0.18	6.92	0.20	0.15	6.53	0.02	0.11	6.20	0.67	0.12	7.50	0.23	0.19
		0.11	0.02		0.03	0.01		0.00	0.01		0.18	0.01		0.06	0.02
BWHFH6	7.35	-0.44	0.23	6.51	-2.31	0.60	6.09	-2.01	0.25	5.69	-1.24	0.18	7.01	-1.56	0.42
		-0.10	0.02		-0.38	0.05		-0.44	0.03		-0.33	0.02		-0.43	0.05
Grand Median		7.45			6.89			6.53			6.02			7.44	
Median Abs Dev		0.12			0.05			0.11			0.13			0.07	
Avg Within Lab SD		0.09			0.08			0.11			0.08			0.11	
Labs Included		16			16			16			16			16	
Labs Reporting		16			16			16			16			16	



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

	pH (1:1) 0.01M CaCl ₂ (SubTestCode 117) in the Soil pH & EC Property Groups														
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
EKCRXX	6.74	-2.01	1.28	6.01	-0.90	2.57	5.65	-1.12	0.95	5.84	1.05	0.77	6.86	-0.86	1.16
		-0.63	0.06		-0.22	0.12		-0.31	0.11		0.21	0.04		-0.25	0.05
YN7FYE	7.41	0.15	0.13	6.18	-0.20	0.43	5.89	-0.26	0.21	5.60	-0.19	0.11	7.06	-0.16	0.15
		0.05	0.01		-0.05	0.02		-0.07	0.03		-0.04	0.01		-0.05	0.01
RLNPWN	7.20	-0.54	0.13	6.12	-0.45	0.32	5.85	-0.40	0.05	5.52	-0.58	0.00	6.92	-0.64	1.02
		-0.17	0.01		-0.11	0.02		-0.11	0.01		-0.11	0.00		-0.18	0.04
ZZZVNF	7.42	0.17	0.23	6.21	-0.10	0.21	5.89	-0.26	0.05	5.54	-0.49	0.11	7.14	0.14	0.30
		0.05	0.01		-0.02	0.01		-0.07	0.01		-0.10	0.01		0.04	0.01
2VXC28	7.27	-0.31	0.40	6.07	-0.67	0.41	5.81	-0.57	0.05	5.39	-1.22	0.73	6.94	-0.58	0.82
		-0.10	0.02		-0.16	0.02		-0.16	0.01		-0.24	0.04		-0.17	0.03
VDXCLE	7.42	0.16	0.67	6.27	0.16	0.43	5.97	0.00	0.57	5.66	0.14	0.51	7.33	0.77	1.18
		0.05	0.03		0.04	0.02		0.00	0.07		0.03	0.03		0.22	0.05
WNFDGE	7.16	-0.67	2.38	6.32	0.34	1.18	6.64	2.40	3.92	5.79	0.81	3.08	7.02	-0.30	1.94
		-0.21	0.10		0.08	0.06		0.67	0.46		0.16	0.16		-0.09	0.08
WHN7Y7	7.40	0.11	0.00	6.33	0.41	1.20	6.00	0.12	0.46	5.63	0.00	1.11	7.20	0.34	0.00
		0.03	0.00		0.10	0.06		0.03	0.00		0.00	0.06		0.10	0.00
RP2M6B	7.37	0.00	0.94	6.45	0.88	0.55	6.10	0.47	0.23	5.74	0.54	0.58	7.17	0.24	1.21
		0.00	0.04		0.22	0.03		0.13	0.03		0.11	0.03		0.07	0.05
ZV7WC6	7.49	0.39	1.01	6.29	0.23	0.55	6.01	0.14	0.20	5.64	0.02	0.73	7.19	0.31	1.16
		0.12	0.04		0.06	0.03		0.04	0.02		0.00	0.04		0.09	0.05
EXKAWT	7.46	0.29	0.13	6.23	0.00	0.43	5.87	-0.33	0.21	5.58	-0.29	0.22	7.15	0.16	0.68
		0.09	0.01		0.00	0.02		-0.09	0.03		-0.06	0.01		0.05	0.03
RB2NGE	7.33	-0.12	0.61	6.06	-0.71	0.55	6.08	0.40	0.23	5.62	-0.08	0.40	7.10	0.00	0.15
		-0.04	0.03		-0.17	0.03		0.11	0.03		-0.02	0.02		0.00	0.01
R8KGVZ	7.46	0.29	0.27	6.32	0.34	0.12	5.99	0.09	0.18	5.63	0.00	0.11	7.21	0.36	0.15
		0.09	0.01		0.08	0.01		0.03	0.02		0.00	0.01		0.10	0.01
8B969K	6.95	-1.34	1.04	6.64	1.66	1.66	6.13	0.58	0.31	5.69	0.27	1.55	6.72	-1.33	1.60
		-0.42	0.05		0.41	0.08		0.16	0.04		0.05	0.08		-0.38	0.06
HZWGNB	6.96	-1.31	1.87	6.08	-0.64	1.25	5.74	-0.79	0.13	5.44	-1.00	0.40	6.78	-1.11	0.59
		-0.41	0.08		-0.16	0.06		-0.22	0.02		-0.20	0.02		-0.32	0.02
RDUHG4	7.47	0.32	1.34	6.27	0.14	1.20	6.00	0.12	0.00	5.67	0.17	1.11	7.23	0.45	1.48
		0.10	0.06		0.03	0.06		0.03	0.00		0.03	0.06		0.13	0.06
9Z9V3M	6.33	-3.31	0.51	5.34	-3.65	0.14	5.01	-3.40	0.12	4.73	-4.61	0.12	6.03	-3.72	0.51
		-1.04	0.02		-0.90	0.01		-0.95	0.01		-0.91	0.01		-1.07	0.02
Grand Median		7.37		6.23			5.97			5.63			7.10		
Median Abs Dev		0.10		0.10			0.11			0.06			0.10		
Avg Within Lab SD		0.04		0.05			0.12			0.05			0.04		
Labs Included		17		17			17			17			17		
Labs Reporting		17		17			17			17			17		



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

pH (1:2) 0.01M CaCl ₂ (SubTestCode 118)		in the Soil pH & EC Property Groups										Data units: Unit			
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
RLNPWN	7.30	0.21	0.03	6.12	-0.16	0.09	5.88	-0.08	0.00	5.54	0.07	0.32	6.99	0.62	0.07
		0.08	0.01		-0.07	0.02		-0.03	0.00		0.02	0.01		0.23	0.01
WNFDGE	7.57	0.97	2.81	6.74	1.23	2.57	6.20	0.74	2.66	5.86	1.14	0.32	7.31	1.48	2.62
		0.35	0.64		0.55	0.49		0.29	0.28		0.35	0.01		0.55	0.20
H4XM3G	7.19	-0.07	0.22	6.49	0.67	1.15	5.94	0.08	0.88	5.58	0.22	1.39	6.76	-0.01	0.93
		-0.03	0.05		0.30	0.22		0.03	0.09		0.07	0.03		-0.01	0.07
2HERJY	6.98	-0.68	0.07	6.34	0.33	0.12	6.20	0.73	0.00	5.49	-0.07	0.84	6.65	-0.32	0.30
		-0.24	0.02		0.15	0.02		0.29	0.00		-0.02	0.02		-0.12	0.02
9Z9V3M	6.22	-2.80	0.06	5.31	-1.99	0.02	4.99	-2.32	0.09	4.72	-2.60	0.30	6.03	-2.00	0.15
		-1.00	0.01		-0.88	0.00		-0.92	0.01		-0.79	0.01		-0.74	0.01
FKRFTX	7.25	0.07	0.07	5.89	-0.68	0.06	5.62	-0.72	0.11	5.35	-0.55	0.84	6.73	-0.09	0.26
		0.03	0.02		-0.30	0.01		-0.29	0.01		-0.17	0.02		-0.04	0.02
2TTR8F	7.34	0.34	0.00	6.26	0.16	0.00	6.08	0.43	0.00	5.64	0.41	0.00	7.08	0.85	0.00
		0.12	0.00		0.07	0.00		0.17	0.00		0.13	0.00		0.32	0.00
BWHFH6	7.13	-0.24	0.26	6.11	-0.18	0.19	5.79	-0.30	0.35	5.42	-0.32	2.09	6.77	0.01	0.26
		-0.09	0.06		-0.08	0.04		-0.12	0.04		-0.10	0.04		0.01	0.02
Grand Median		7.22		6.19			5.91			5.52			6.77		
Median Abs Dev		0.10		0.22			0.23			0.11			0.17		
Avg Within Lab SD		0.23		0.19			0.10			0.02			0.08		
Labs Included		8		8			8			8			8		
Labs Reporting		8		8			8			8			8		



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

Soil EC (1:5) H2O (SubTestCode 119)	in the Soil pH & EC Property Groups									Data units: dS/m		
SRS1406	SRS1407	SRS1408	SRS1409	SRS1410								
2HERJY	2.409	1.410	0.076	0.208	0.091	0.075	0.152	0.010	0.227	0.060		
		0.285		0.001		0.000		0.000		0.002		
6KMCVP	2.017	0.103	0.072	1.399	0.057	1.412	0.172	1.414	0.177	1.413		
		0.021		0.008		0.007		0.065		0.047		
Grand Median	2.21		0.074		0.074		0.16		0.20			
Median Abs Dev												
Avg Within Lab SD	0.20		0.006		0.005		0.05		0.03			
Labs Included	2		2		2		2		2			
Labs Reporting	2		2		2		2		2			



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

SMP Buffer pH (SubTestCode 121)	in the Buffer pH, Lime Requirement Property Groups															Data units: Unit
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	7.71	1.99	2.04	7.30	0.84	1.56	7.36	1.20	1.20	7.02	1.46	0.68	7.51	1.23	1.39	
		0.22	0.05		0.11	0.06		0.23	0.04		0.32	0.03		0.15	0.04	
YN7FYE	7.46	-0.21	0.79	6.96	-1.65	0.85	6.95	-0.97	0.55	6.29	-1.89	1.51	7.23	-1.04	0.34	
		-0.02	0.02		-0.22	0.03		-0.18	0.02		-0.41	0.06		-0.13	0.01	
RLNPWN	7.48	-0.03	0.79	7.18	0.00	0.43	7.07	-0.33	0.82	6.64	-0.26	0.41	7.26	-0.82	0.52	
		0.00	0.02		0.00	0.02		-0.06	0.03		-0.06	0.02		-0.10	0.02	
3YVF4E	7.71	2.02	0.79	7.27	0.67	0.59	7.27	0.72	0.55	6.70	0.02	0.41	7.48	1.02	0.91	
		0.23	0.02		0.09	0.02		0.14	0.02		0.00	0.02		0.12	0.03	
826UYA	7.47	-0.15	2.29	7.30	0.86	0.00	7.13	0.00	1.58	6.77	0.31	1.56	7.40	0.36	0.00	
		-0.02	0.06		0.12	0.00		0.00	0.06		0.07	0.06		0.04	0.00	
VDXCLE	7.48	0.00	0.83	7.19	0.05	1.24	7.28	0.76	0.16	6.85	0.69	0.27	7.43	0.58	0.40	
		0.00	0.02		0.01	0.04		0.14	0.01		0.15	0.01		0.07	0.01	
ZBBL2B	7.41	-0.65	0.00	7.17	-0.10	0.28	7.16	0.14	0.27	6.61	-0.42	0.81	7.31	-0.38	0.69	
		-0.07	0.00		-0.01	0.01		0.03	0.01		-0.09	0.03		-0.05	0.02	
X4MT48	7.42	-0.59	1.15	7.05	-0.99	0.00	6.95	-0.97	0.00	6.53	-0.77	0.78	7.33	-0.19	0.99	
		-0.07	0.03		-0.13	0.00		-0.18	0.00		-0.17	0.03		-0.02	0.03	
LXWEBH	7.50	0.15	0.69	7.31	0.94	0.28	7.28	0.79	0.42	6.90	0.92	0.27	7.35	-0.05	0.34	
		0.02	0.02		0.13	0.01		0.15	0.02		0.20	0.01		-0.01	0.01	
RP2M6B	7.73	2.22	0.46	7.47	2.09	1.71	7.54	2.17	1.68	7.05	1.60	1.59	7.65	2.39	1.43	
		0.25	0.01		0.28	0.06		0.41	0.06		0.35	0.06		0.29	0.04	
RB2NGE	7.50	0.18	0.61	7.18	-0.05	0.43	7.20	0.37	0.42	6.70	0.00	0.27	7.46	0.88	0.52	
		0.02	0.02		-0.01	0.02		0.07	0.02		0.00	0.01		0.11	0.02	
TZYQ96	7.50	0.15		7.10	-0.62	0.00	7.00	-0.70		6.70	0.00	0.00	7.37	0.08	1.98	
		0.02	0.00		-0.08	0.00		-0.13	0.00		0.00	0.00		0.01	0.06	
8B969K	7.52	0.30	0.23	7.26	0.57	0.57	7.11	-0.12	0.00	6.68	-0.08	0.16	7.36	0.00	0.20	
		0.03	0.01		0.08	0.02		-0.02	0.00		-0.02	0.01		0.00	0.01	
6KMCVP	7.47	-0.15	0.46	7.16	-0.16	0.18	7.03	-0.57	0.10	6.51	-0.88	1.26	7.28	-0.60	0.21	
		-0.02	0.01		-0.02	0.01		-0.11	0.00		-0.19	0.05		-0.07	0.01	
NF8BH8	7.33	-1.33	0.61	7.11	-0.54	2.48	7.08	-0.30	2.55	6.52	-0.82	1.96	7.30	-0.49	1.95	
		-0.15	0.02		-0.07	0.09		-0.06	0.09		-0.18	0.07		-0.06	0.06	
Grand Median		7.48		7.18			7.13			6.70			7.36			
Median Abs Dev		0.02		0.08			0.13			0.15			0.07			
Avg Within Lab SD		0.03		0.04			0.04			0.04			0.03			
Labs Included		15		15			15			15			15			
Labs Reporting		15		15			15			15			15			



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

	Sikora Buffer pH (SubTestCode 122)			in the Buffer pH, Lime Requirement Property Groups									Data units: Unit		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	7.57	0.64	0.99	7.39	0.92	0.41	7.37	0.85	1.06	6.87	0.76	1.95	7.47	1.14	1.18
		0.05	0.03		0.11	0.01		0.17	0.03		0.20	0.06		0.11	0.03
2HPU3C	7.47	-0.79	2.07	7.07	-1.85	1.89	6.40	-3.88	0.00	6.20	-1.74	0.00	7.33	-0.28	2.37
		-0.06	0.06		-0.21	0.06		-0.79	0.00		-0.46	0.00		-0.03	0.06
ZZZVNF	7.46	-0.84	0.41	7.22	-0.52	0.33	7.15	-0.20	0.20	6.45	-0.79	0.20	7.30	-0.61	0.86
		-0.06	0.01		-0.06	0.01		-0.04	0.01		-0.21	0.01		-0.06	0.02
KCWYAU	7.40	-1.73	0.00	7.37	0.75	1.89	7.30	0.52	0.00	6.70	0.14	0.00	7.30	-0.64	0.00
		-0.12	0.00		0.09	0.06		0.11	0.00		0.04	0.00		-0.06	0.00
8DFL3A	7.58	0.79	0.72	7.49	1.82	0.33	7.38	0.91	0.35	7.02	1.33	0.70	7.48	1.25	0.63
		0.06	0.02		0.21	0.01		0.19	0.01		0.35	0.02		0.12	0.02
YFBCVH	7.58	0.75	0.41	7.42	1.24	1.05	7.32	0.64	0.89	6.87	0.79	0.39	7.43	0.75	1.48
		0.05	0.01		0.14	0.03		0.13	0.03		0.21	0.01		0.07	0.04
7XP3B3	7.54	0.28	1.62	7.33	0.43	1.18	7.16	-0.15	1.95	6.70	0.14	0.00	7.36	-0.04	2.11
		0.02	0.05		0.05	0.04		-0.03	0.06		0.04	0.00		0.00	0.05
WHN7Y7	7.53	0.14	2.07	7.27	-0.12	1.89	7.17	-0.13	2.04	6.57	-0.36	1.95	7.30	-0.64	0.00
		0.01	0.06		-0.01	0.06		-0.03	0.06		-0.10	0.06		-0.06	0.00
X4MT48	7.53	0.05	1.04	7.15	-1.13	0.57	7.15	-0.23	1.43	6.66	0.00	0.52	7.36	0.00	0.00
		0.00	0.03		-0.13	0.02		-0.05	0.04		0.00	0.02		0.00	0.00
RP2M6B	7.70	2.52	1.62	7.46	1.59	1.68	7.51	1.53	0.54	6.88	0.80	1.41	7.55	2.06	1.32
		0.18	0.05		0.18	0.05		0.31	0.02		0.21	0.04		0.19	0.03
6RLVVY	7.50	-0.33		7.28	0.00		7.40	1.01		6.40	-0.99		7.60	2.56	
		-0.02	0.00		0.00	0.00		0.21	0.00		-0.26	0.00		0.24	0.00
EXKAWT	7.50	-0.28	0.21	7.27	-0.12	0.19	7.21	0.10	0.41	6.64	-0.08	0.20	7.36	0.00	0.41
		-0.02	0.01		-0.01	0.01		0.02	0.01		-0.02	0.01		0.00	0.01
3C6QXV										7.63	3.63	1.22			
											0.97	0.04			
WRRHVZ	7.51	-0.19	0.36	7.28	0.00	0.33	7.19	-0.02	0.00	6.59	-0.26	0.39	7.36	-0.04	0.24
		-0.01	0.01		0.00	0.01		0.00	0.00		-0.07	0.01		0.00	0.01
EDAF6L	7.52	0.00	0.21	7.28	-0.03	0.19	7.09	-0.50	0.35	6.61	-0.21	0.20	7.35	-0.11	0.00
		0.00	0.01		0.00	0.01		-0.10	0.01		-0.06	0.01		-0.01	0.00
3P8J4X	7.40	-1.73	0.00	7.20	-0.69	0.00	7.13	-0.29	2.04	6.60	-0.24	0.00	7.30	-0.64	0.00
		-0.12	0.00		-0.08	0.00		-0.06	0.06		-0.06	0.00		-0.06	0.00
72RZLU	7.53	0.09	0.00	7.29	0.09	0.00	7.19	0.00	0.41	6.59	-0.29	0.98	7.39	0.28	0.47
		0.01	0.00		0.01	0.00		0.00	0.01		-0.08	0.03		0.03	0.01
RG9DW2	7.50	-0.33		7.30	0.17	0.00	7.30	0.52	0.00	6.70	0.14	0.00	7.40	0.43	0.00
		-0.02	0.00		0.02	0.00		0.11	0.00		0.04	0.00		0.04	0.00
W44REJ										6.70	0.15	2.40			
											0.04	0.07			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		7.52			7.28			7.19			6.66			7.36	
Median Abs Dev		0.02			0.06			0.10			0.08			0.06	
Avg Within Lab SD		0.03			0.03			0.03			0.03			0.02	
Labs Included		17			17			17			19			17	
Labs Reporting		17			17			17			19			17	



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

Adams-Evans Buffer pH (SubTestCode 123)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit	
SRS1406	SRS1407		SRS1408		SRS1409		SRS1410					
MFBFHP					7.83	0.20	0.00	7.54	1.09	0.37		
					0.01	0.00	0.05	0.01				
EKCRXX	7.79	1.26	7.76	1.34	7.90	1.84	1.15	7.50	0.15	1.10	7.78	1.26
		0.02		0.03	0.08	0.01	0.01	0.01	0.02	0.02		0.03
VDXCLE	7.80	1.14	7.78	0.29	7.81	-0.20	1.15	7.49	-0.15	0.97	7.78	0.76
		0.02		0.01	-0.01	0.01	0.01	-0.01	0.02	0.02		0.02
73MLCZ	7.80	0.32	7.77	1.06	7.80	-0.45	1.15	7.43	-1.31	1.32	7.70	0.91
		0.01		0.02	-0.02	0.01	0.01	-0.06	0.02	0.02		0.02
Grand Median	7.80		7.77		7.82			7.49			7.78	
Median Abs Dev					0.01			0.03				
Avg Within Lab SD	0.02		0.02		0.01			0.02			0.02	
Labs Included	3		3		4			4			3	
Labs Reporting	3		3		4			4			3	



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

	Woodruff Buffer pH (SubTestCode 124)						in the Buffer pH, Lime Requirement Property Groups						Data units: Unit		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
EKCRXX	7.07	-0.59	0.25	6.88	-0.54	0.20	6.89	-0.34	0.30	6.54	-0.07	0.26	7.02	-0.19	1.27
		-0.05	0.01		-0.06	0.01		-0.04	0.01		-0.02	0.02		-0.03	0.02
YN7FYE	7.21	0.92	0.76	6.85	-0.75	1.20	6.85	-0.68	0.78	6.50	-0.24	0.39	7.11	0.44	1.27
		0.08	0.02		-0.08	0.04		-0.08	0.02		-0.05	0.02		0.06	0.02
77XW3A	7.47	3.82	0.91	7.33	3.51	1.04	7.33	3.37	0.89	6.86	1.52	0.62	7.39	2.39	0.48
		0.35	0.02		0.39	0.03		0.40	0.02		0.31	0.04		0.34	0.01
ZZZVNF	7.13	0.00	0.39	6.94	0.03	0.26	6.89	-0.38	0.23	6.35	-1.00	0.08	7.00	-0.28	1.33
		0.00	0.01		0.00	0.01		-0.05	0.00		-0.20	0.00		-0.04	0.02
2VXC28	7.08	-0.48	0.91	6.88	-0.48	0.20	6.87	-0.57	0.78	6.53	-0.09	0.26	7.04	0.00	1.73
		-0.04	0.02		-0.05	0.01		-0.07	0.02		-0.02	0.02		0.00	0.02
VDXCLE	7.12	-0.11	0.25	6.96	0.21	0.68	6.97	0.28	0.30	6.67	0.58	0.34	7.09	0.35	0.48
		-0.01	0.01		0.02	0.02		0.03	0.01		0.12	0.02		0.05	0.01
NLT4RL	7.17	0.44	2.53	6.93	-0.03	1.97	6.93	0.00	2.96	6.53	-0.09	0.99	7.10	0.39	0.00
		0.04	0.06		0.00	0.06		0.00	0.06		-0.02	0.06		0.06	0.00
WHN7Y7	7.10	-0.29	0.00	6.87	-0.63	1.97	6.80	-1.13	0.00	6.57	0.07	0.99	7.00	-0.30	
		-0.03	0.00		-0.07	0.06		-0.13	0.00		0.02	0.06		-0.04	0.00
EXKAWT	7.17	0.44	1.26	6.98	0.42	0.52	6.93	0.00	0.78	6.48	-0.37	3.01	7.09	0.32	0.83
		0.04	0.03		0.05	0.02		0.00	0.02		-0.08	0.18		0.05	0.01
RB2NGE	7.11	-0.15	0.67	6.92	-0.12	0.71	6.95	0.14	0.51	6.57	0.07	0.36	7.02	-0.14	1.27
		-0.01	0.02		-0.01	0.02		0.02	0.01		0.02	0.02		-0.02	0.02
ABLFYN	7.14	0.18	0.25	6.96	0.18	0.52	6.96	0.20	0.30	7.11	2.77	0.26	6.67	-2.62	0.48
		0.02	0.01		0.02	0.02		0.02	0.01		0.56	0.02		-0.38	0.01
TV4ULY				7.07	1.20	0.00	7.05	0.99	0.00	6.80	1.21	0.10			
					0.13	0.00		0.12	0.00		0.25	0.01			
Grand Median		7.13		6.94			6.93			6.55			7.04		
Median Abs Dev		0.04		0.05			0.04			0.06			0.05		
Avg Within Lab SD		0.02		0.03			0.02			0.06			0.01		
Labs Included		11		12			12			12			11		
Labs Reporting		11		12			12			12			11		



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

Mehlich Buffer pH (SubTestCode 125)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit
SRS1406	SRS1407		SRS1408		SRS1409		SRS1410				
WHN7Y7	6.90	1.00	6.57	1.41	6.20	1.22	5.93	1.00	6.80	1.00	
	0.00		0.06		0.10		0.06		0.06	0.00	
RDUHG4			6.50	0.00	6.43	0.71	6.03	1.00			
			0.06		0.06		0.06				
Grand Median	6.90		6.53		6.32		5.98		6.80		
Median Abs Dev											
Avg Within Lab SD	0.00		0.04		0.08		0.06		0.00		
Labs Included	1		2		2		2		1		
Labs Reporting	1		2		2		2		1		



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

NO3-N Cd. Rd. (SubTestCode 126)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
XQBLZF	307.8	0.2	0.5	18.7	0.0	0.3	10.0	0.4		57.7	0.0	0.5	59.3	0.6	0.4		
		14.8	4.8		-0.3	0.3		0.9	0.0		0.3	1.0		5.5	0.8		
EKCRXX	340.0	0.7	1.1	22.2	0.3	0.6	7.9	-0.5	1.2	64.3	0.7	0.6	53.9	0.0	1.8		
		47.1	10.8		3.2	0.5		-1.2	0.6		6.9	1.3		0.0	3.4		
RBZUVM	264.6	-0.4	0.3	26.0	0.6	0.6	7.9	-0.5	0.2	57.9	0.1	0.3	50.6	-0.4	1.1		
		-28.4	2.8		7.0	0.5		-1.2	0.1		0.5	0.5		-3.3	2.0		
2HPU3C	18.9	-4.0	0.1	228.0	17.1	1.0	16.3	2.8	0.9	9.2	-5.2	0.1	47.9	-0.7	0.3		
		-274.0	0.8		209.1	0.8		7.2	0.5		-48.2	0.2		-5.9	0.6		
YN7FYE	360.0	1.0	1.3	27.1	0.7	1.2	8.7	-0.1	2.3	72.1	1.6	0.8	60.1	0.7	1.7		
		67.1	13.2		8.1	1.0		-0.3	1.2		14.7	1.6		6.3	3.1		
4TLEHA	304.4	0.2	0.1	18.3	-0.1	0.1	11.6	1.0	0.3	66.9	1.0	0.4	68.0	1.6	0.6		
		11.5	0.7		-0.7	0.1		2.5	0.2		9.5	0.8		14.1	1.1		
RLNPWN	79.9	-3.1	0.4	2.1	-1.4	0.2	4.0	-2.0	0.5	24.7	-3.6	0.3	22.1	-3.6	0.8		
		-213.1	4.1		-16.9	0.2		-5.1	0.3		-32.7	0.6		-31.8	1.5		
ZZZVNF	300.0	0.1	0.5	20.3	0.1	1.4	8.4	-0.3	0.9	61.7	0.5	1.8	51.3	-0.3	1.1		
		7.1	4.6		1.4	1.2		-0.7	0.5		4.3	3.5		-2.5	2.1		
KCWYAU	339.2	0.7	0.6	23.5	0.4	1.3	8.5	-0.2	1.2	65.1	0.8	0.5	57.6	0.4	0.6		
		46.2	5.9		4.5	1.1		-0.6	0.6		7.7	1.0		3.7	1.2		
8DFL3A	282.0	-0.2	0.1	20.0	0.1		5.3	-1.5	1.1	58.7	0.1	0.8	51.0	-0.3	0.5		
		-10.9	1.0		1.0	0.0		-3.8	0.6		1.3	1.5		-2.9	1.0		
3YVF4E	405.7	1.7	1.3	28.4	0.8	1.2	15.9	2.7	1.3	51.5	-0.6	0.4	38.4	-1.7	0.6		
		112.7	13.6		9.4	1.0		6.8	0.7		-5.9	0.9		-15.5	1.2		
YFBCVH	246.0	-0.7	2.3	18.0	-0.1	0.5	6.3	-1.1	0.6	54.4	-0.3	0.1	47.3	-0.7	1.2		
		-46.9	23.1		-1.0	0.4		-2.8	0.3		-3.0	0.2		-6.5	2.2		
826UYA	317.5	0.4	0.7	23.5	0.4	0.3	10.4	0.5	0.2	44.3	-1.4	0.6	60.1	0.7	0.4		
		24.5	6.8		4.6	0.3		1.3	0.1		-13.1	1.2		6.2	0.7		
WC2FCB	250.0	-0.6	0.5	20.7	0.1	0.7	6.8	-0.9	0.5	57.3	0.0	0.3	48.7	-0.6	0.3		
		-42.9	5.0		1.7	0.6		-2.3	0.3		-0.1	0.6		-5.2	0.6		
FXU2ZT	302.8	0.1	0.1	19.0	0.0	0.2	10.9	0.7	0.3	59.3	0.2	0.4	60.7	0.8	0.3		
		9.8	0.8		0.0	0.2		1.8	0.1		1.9	0.8		6.9	0.5		
VDXCLE	283.9	-0.1	0.5	15.3	-0.3	0.0	9.1	0.0	0.7	55.8	-0.2	0.6	57.0	0.4	0.9		
		-9.1	5.6		-3.6	0.0		0.0	0.4		-1.6	1.3		3.1	1.7		
263JG8	212.7	-1.2	0.7	23.3	0.4	1.4	9.5	0.2	1.9	63.0	0.6	0.9	54.3	0.1	0.6		
		-80.3	6.8		4.4	1.2		0.4	1.0		5.6	1.7		0.5	1.0		
64X4W7	273.0	-0.3	1.0	21.0	0.2	2.4	7.2	-0.7	0.5	58.4	0.1	3.1	48.8	-0.6	1.8		
		-19.9	10.1		2.0	2.0		-1.9	0.3		1.0	6.2		-5.0	3.3		
NLT4RL	284.4	-0.1	0.4	20.1	0.1	0.8	8.6	-0.2	0.7	60.4	0.3	0.7	47.5	-0.7	0.8		
		-8.5	4.3		1.1	0.7		-0.5	0.3		3.0	1.4		-6.4	1.4		
ETRBHW	301.6	0.1	0.5	21.8	0.2	2.4	8.7	-0.2	1.3	58.1	0.1	0.8	51.9	-0.2	1.4		
		8.7	5.6		2.8	2.0		-0.4	0.7		0.7	1.6		-2.0	2.5		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
H2Q66K	269.1	-0.4	0.7	18.7	0.0	1.1	6.6	-1.0	0.4	50.2	-0.8	1.3	49.3	-0.5	0.3
		-23.8	6.9		-0.3	0.9		-2.5	0.2		-7.2	2.5		-4.5	0.5
WHN7Y7	317.0	0.4	0.3	17.9	-0.1	1.3	9.6	0.2	0.4	54.0	-0.4	0.5	54.3	0.1	0.3
		24.1	3.5		-1.0	1.1		0.5	0.2		-3.4	1.0		0.5	0.6
MWZJZE	289.0	-0.1		17.4	-0.1		10.4	0.5		49.2	-0.9		54.3	0.1	
		-3.9	0.0		-1.6	0.0		1.3	0.0		-8.2	0.0		0.5	0.0
RP2M6B	344.0	0.8	0.5	18.9	0.0	0.4	11.8	1.1	1.8	63.0	0.6	1.3	65.1	1.3	0.6
		51.1	5.3		-0.1	0.3		2.7	1.0		5.6	2.7		11.2	1.1
4E3UZ3	319.3	0.4	0.5	18.3	-0.1	0.6	13.0	1.5	0.7	64.5	0.8	0.4	71.8	2.0	1.0
		26.3	5.1		-0.7	0.5		3.9	0.4		7.1	0.7		17.9	1.9
ZV7WC6	288.4	-0.1	1.0	16.0	-0.2	0.7	9.7	0.2	0.2	55.8	-0.2	0.5	57.8	0.4	0.1
		-4.5	9.9		-3.0	0.5		0.6	0.1		-1.6	0.9		4.0	0.2
6R6KGZ	298.8	0.1	1.4	21.1	0.2	2.3	9.1	0.0	2.2	62.4	0.5	2.9	48.2	-0.6	1.3
		5.9	13.8		2.1	1.9		0.0	1.2		5.0	5.7		-5.6	2.4
LJER2K	295.0	0.0	0.5	18.5	0.0	0.5	9.0	-0.1	0.0	52.1	-0.6	0.0	46.5	-0.8	0.1
		2.1	5.0		-0.5	0.4		-0.1	0.0		-5.3	0.0		-7.4	0.1
73MLCZ	240.3	-0.8	0.7	18.0	-0.1		7.7	-0.6	1.1	49.0	-0.9	0.9	40.3	-1.5	1.7
		-52.6	7.1		-1.0	0.0		-1.4	0.6		-8.4	1.7		-13.5	3.2
VC4N74	309.0	0.2	0.1	18.3	-0.1	0.4	10.1	0.4	0.1	59.3	0.2	0.1	60.1	0.7	0.5
		16.0	1.0		-0.7	0.4		1.0	0.1		1.9	0.1		6.2	0.8
3P8J4X	362.6	1.0	2.5	15.6	-0.3	1.1	7.2	-0.7	0.7	57.4	0.0	0.5	52.2	-0.2	1.0
		69.7	25.4		-3.3	1.0		-1.9	0.4		0.0	1.0		-1.7	1.9
72RZLU	269.0	-0.4	0.2	19.5	0.0	0.5	7.8	-0.5	0.1	59.5	0.2	0.5	52.8	-0.1	0.2
		-23.9	2.0		0.5	0.4		-1.3	0.0		2.1	1.0		-1.0	0.3
JKXUW9	160.0	-2.0	2.6	20.7	0.1	0.7	9.8	0.3	0.4	55.3	-0.2	0.8	57.7	0.4	0.3
		-132.9	26.5		1.7	0.6		0.7	0.2		-2.1	1.5		3.8	0.6
8B969K	292.9	0.0	0.8	17.6	-0.1	0.1	9.7	0.2	0.2	56.7	-0.1	0.1	57.4	0.4	0.1
		0.0	8.6		-1.3	0.1		0.6	0.1		-0.7	0.2		3.5	0.2
6KMCVP	301.5	0.1	2.2	18.4	0.0	0.6	9.6	0.2	0.1	53.6	-0.4	0.0	53.8	0.0	0.2
		8.6	22.0		-0.6	0.5		0.5	0.1		-3.8	0.1		-0.1	0.4
2GJ8RT	275.0	-0.3		21.8	0.2		11.9	1.1		53.7	-0.4		58.5	0.5	
		-17.9	0.0		2.8	0.0		2.8	0.0		-3.7	0.0		4.6	0.0
W44REJ	149.3	-2.1	0.3	18.3	-0.1	1.4	9.8	0.3	2.4	55.6	-0.2	2.1	55.8	0.2	3.1
		-143.6	3.3		-0.7	1.2		0.7	1.3		-1.8	4.1		1.9	5.8
Grand Median		292.9		19.0			9.09			57.4			53.9		
Median Abs Dev		23.9		1.6			1.21			3.7			4.6		
Avg Within Lab SD		10.2		0.8			0.53			2.0			1.9		
Labs Included		37		37			37			37			37		
Labs Reporting		37		37			37			37			37		



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

NO3-N ISE (SubTestCode 127)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410				
HPD69R	309.3	-0.3	0.0	14.8	-1.1	1.0	9.1	0.1	2.0	52.8	-0.4	1.0	54.2	-0.3	0.4		
		-68.0	10.1		-3.5	0.9		0.1	0.9		-4.1	1.9		-2.4	0.8		
MDL89N	810.3	2.1	2.2	16.7	-0.5	0.6	11.0	1.6		51.7	-0.5	1.4	54.7	-0.2	0.3		
		433.0	1,034.6		-1.5	0.6		2.0	0.0		-5.2	2.5		-1.9	0.6		
X4MT48	398.0	0.1	0.0	22.8	1.4	0.6	8.4	-0.5	1.1	67.3	0.9	1.6	58.4	0.2	0.9		
		20.6	11.5		4.6	0.6		-0.6	0.5		10.4	2.9		1.9	1.7		
RB2NGE	204.0	-0.8	0.0	18.8	0.2	1.9	8.9	-0.1	0.2	50.5	-0.6	0.1	44.6	-1.6	2.0		
		-173.4	8.5		0.6	1.7		-0.1	0.1		-6.4	0.3		-12.0	3.8		
EDAF6L	377.4	0.0	0.0	17.6	-0.2	0.4	10.4	1.1	0.8	61.0	0.4	0.4	66.1	1.2	0.3		
		0.0	4.0		-0.6	0.4		1.4	0.4		4.1	0.8		9.6	0.6		
RG9DW2				20.3	0.7	0.6	8.0	-0.8		72.7	1.4	0.6		0.5	0.9		
					2.1	0.6		-1.0	0.0		15.8	1.2		3.5	1.7		
Grand Median		377.4			18.2			8.99			56.9			56.5			
Median Abs Dev		68.0			1.8			0.79			5.8			2.9			
Avg Within Lab SD		462.8			0.9			0.44			1.8			1.9			
Labs Included		5			6			6			6			6			
Labs Reporting		5			6			6			6			6			



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

NO3-N CTA (SubTestCode 128)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
MFBFHP	311.0	1.4	0.3	17.7	-0.7	0.5	10.6	-0.3	0.2	59.8	-0.4	0.4	60.9	-0.4	0.5
		136.9	2.0		-2.2	0.4		-1.0	0.1		-4.3	0.6		-4.2	0.3
7XP3B3	114.9	-0.6	1.8	18.1	-0.6	0.2	9.6	-0.6	0.8	49.4	-1.4	0.6	49.0	-1.5	1.8
		-59.2	12.8		-1.8	0.2		-2.0	0.3		-14.6	0.9		-16.1	1.3
6XAJTP	209.0	0.4	0.8	21.7	0.6	0.8	16.3	1.4	1.6	68.3	0.4	0.4	69.3	0.4	0.8
		34.9	5.3		1.8	0.6		4.7	0.6		4.3	0.6		4.2	0.6
NF8BH8	139.3	-0.4	0.0	22.5	0.8	1.8	12.7	0.3	0.9	69.7	0.5	1.8	70.0	0.5	0.0
		-34.9	0.0		2.6	1.3		1.0	0.3		5.6	2.5		4.9	0.0
Grand Median		174.1		19.9			11.6			64.1			65.1		
Median Abs Dev		47.0		2.0			1.5			4.9			4.6		
Avg Within Lab SD		7.0		0.7			0.4			1.4			0.7		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

NO3-N Ion Chr. (SubTestCode 129)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
TZYQ96	59.3	0.1	3.8	0.3	2.0	0.1	11.5	0.1	11.7	0.1	
		0.8		0.2		0.1		0.3		0.3	
ABLFYN	342.6	0.7	20.1	1.1	10.2	0.6	67.9	1.0	65.4	0.7	
		7.9		0.7		0.3		2.5		2.0	
BWHFH6	310.3	1.6	18.8	1.3	10.2	1.6	63.8	1.4	64.6	1.6	
		18.6		0.8		0.9		3.4		4.3	
Grand Median	310.3		18.8		10.2		63.8		64.6		
Median Abs Dev											
Avg Within Lab SD	11.7		0.6		0.5		2.5		2.7		
Labs Included	3		3		3		3		3		
Labs Reporting	3		3		3		3		3		



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

NH4 - N (KCl Extr.) (SubTestCode 130)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
XQBLZF	9.9	-0.1	0.1	20.3	0.2	0.7	9.3	0.1	0.3	12.5	-0.3	0.1	3.0	-0.1	0.1		
		-0.3	0.1		0.6	0.3		0.2	0.2		-1.0	0.1		-0.2	0.1		
MFBFHP	7.5	-0.9	0.0	15.9	-1.1	0.6	9.0	0.0	0.1	9.6	-1.3	0.1	2.2	-0.6	0.1		
		-2.7	0.1		-3.8	0.3		0.0	0.1		-3.8	0.1		-1.0	0.1		
YN7FYE	5.9	-1.5	0.3	11.5	-2.3	0.2	4.4	-1.7	1.9	9.2	-1.4	0.8	3.6	0.3	0.8		
		-4.3	0.6		-8.2	0.1		-4.7	0.9		-4.3	0.7		0.4	0.4		
4TLEHA	10.3	0.1	0.0	22.7	0.8	0.8	8.7	-0.1	0.7	14.3	0.3	0.2	2.0	-0.7	0.4		
		0.2	0.1		3.0	0.4		-0.3	0.3		0.8	0.1		-1.2	0.2		
RLNPWN	10.7	0.2	0.4	21.5	0.5	0.4	10.1	0.4	0.3	13.6	0.0	2.6	2.9	-0.2	1.1		
		0.6	0.7		1.8	0.2		1.0	0.1		0.1	2.2		-0.3	0.5		
ZZZVNF	9.5	-0.2	0.5	18.8	-0.2	2.6	5.0	-1.5	1.6	12.0	-0.5	0.5	1.4	-1.1	0.5		
		-0.7	0.8		-0.9	1.3		-4.0	0.7		-1.5	0.4		-1.8	0.2		
8DFL3A	12.0	0.7	0.6	22.7	0.8	1.2	7.7	-0.5	1.3	14.0	0.2	1.2	3.7	0.3	1.2		
		1.9	1.0		3.0	0.6		-1.4	0.6		0.5	1.0		0.5	0.6		
826UYA	11.2	0.4	0.1	19.2	-0.1	0.7	11.3	0.8	0.6	13.6	0.0	0.2	5.8	1.5	0.0		
		1.1	0.2		-0.5	0.4		2.3	0.3		0.1	0.2		2.6	0.0		
7XP3B3	9.0	-0.4	0.1	16.6	-0.9	0.6	8.0	-0.4	0.3	10.7	-0.9	0.0	2.5	-0.4	0.3		
		-1.1	0.2		-3.1	0.3		-1.0	0.1		-2.8	0.0		-0.7	0.1		
NLT4RL	10.1	0.0	0.2	22.4	0.8	0.6	8.1	-0.3	0.6	14.3	0.3	0.4	3.2	0.0	1.2		
		0.0	0.4		2.8	0.3		-1.0	0.3		0.9	0.4		0.0	0.6		
H2Q66K	23.8	4.8	3.8	22.2	0.7	1.3	8.0	-0.4	0.4	13.7	0.1	1.8	3.4	0.1	0.1		
		13.6	6.4		2.5	0.7		-1.0	0.2		0.2	1.6		0.2	0.1		
WHN7Y7	16.8	2.3	0.2	26.6	1.9	0.2	16.3	2.6	2.1	20.1	2.2	0.7	6.9	2.2	2.1		
		6.6	0.3		7.0	0.1		7.3	1.0		6.6	0.6		3.7	1.0		
MWZJZE	5.2	-1.7		16.3	-0.9		8.2	-0.3		6.1	-2.5		0.6	-1.5			
		-4.9	0.0		-3.4	0.0		-0.8	0.0		-7.4	0.0		-2.6	0.0		
RP2M6B	11.9	0.6	0.1	22.2	0.7	1.3	10.8	0.7	0.8	15.1	0.5	0.9	4.4	0.7	0.8		
		1.8	0.1		2.5	0.7		1.8	0.4		1.6	0.8		1.2	0.4		
ZV7WC6	9.9	-0.1	0.1	19.7	0.0	0.2	9.5	0.2	0.4	9.6	-1.3	1.1	2.3	-0.5	1.3		
		-0.2	0.2		0.0	0.1		0.4	0.2		-3.9	1.0		-0.9	0.6		
LJER2K	9.4	-0.3	0.0	19.4	-0.1	0.3	6.8	-0.8	0.1	12.6	-0.3	0.2	2.1	-0.6	0.1		
		-0.7	0.1		-0.3	0.2		-2.3	0.0		-0.9	0.2		-1.1	0.0		
TZYQ96	10.0	-0.1	2.3	18.1	-0.4	1.9	12.2	1.1	1.2	15.1	0.6	1.4	7.5	2.6	2.7		
		-0.2	3.9		-1.6	0.9		3.1	0.6		1.7	1.2		4.3	1.3		
ABLFYN				11.7	-2.2	1.6	4.0	-1.8	1.1				3.7	0.3	0.6		
					-7.9	0.8		-5.1	0.5					0.5	0.3		
VC4N74	10.9	0.3	0.1	19.5	-0.1		9.4	0.1	0.1	13.4	0.0	0.1	2.7	-0.3	0.1		
		0.8	0.1		-0.2	0.0		0.4	0.1		-0.1	0.1		-0.5	0.1		
72RZLU	9.9	-0.1	0.0	20.7	0.3	0.7	6.7	-0.8	0.3	12.2	-0.4	0.1	2.1	-0.6	0.1		
		-0.3	0.1		1.0	0.4		-2.3	0.1		-1.3	0.1		-1.1	0.0		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
JKXUW9	10.4	0.1	0.3	19.9	0.1	0.9	10.6	0.6	2.3	14.1	0.2	1.6	3.7	0.3	1.9
		0.2	0.4		0.2	0.5		1.6	1.0		0.6	1.4		0.5	0.9
8B969K	10.1	0.0	0.1	19.0	-0.2	0.2	9.2	0.1	0.3	12.5	-0.3	0.2	4.1	0.5	0.2
		0.0	0.2		-0.7	0.1		0.2	0.1		-1.0	0.2		0.9	0.1
W44REJ	10.6	0.2	0.9	20.4	0.2	0.8	9.8	0.3	0.7	16.7	1.1	1.4	3.2	0.0	0.1
		0.5	1.4		0.8	0.4		0.7	0.3		3.2	1.2		0.0	0.1
Grand Median		10.1		19.7		9.03		13.5		3.20					
Median Abs Dev		0.7		1.8		1.03		1.2		0.88					
Avg Within Lab SD		1.7		0.5		0.46		0.9		0.48					
Labs Included		22		23		23		22		23					
Labs Reporting		22		23		23		22		23					



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

PO4-P Bray P1 (1:10) (SubTestCode 132)	in the Phosphorus and Sulfur Property Groups														
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
	Data units: mg/kg														
EKCRXX	163.0	-0.3	0.6	58.0	0.9	0.6	42.0	0.3	0.7	56.0	0.5	0.5	70.3	0.5	0.3
		-27.0	4.4		4.9	1.0		2.2	1.0		3.7	1.0		3.7	0.6
2HPU3C	142.8	-0.6	0.3	51.6	-0.3	0.2	38.5	-0.2	0.2	46.8	-0.7	0.2	62.0	-0.6	0.8
		-47.2	2.0		-1.5	0.3		-1.4	0.3		-5.5	0.4		-4.7	1.5
YN7FYE	310.4	1.4	1.0	54.4	0.2	0.5	34.9	-0.7	0.9	63.5	1.5	0.7	68.6	0.3	1.6
		120.4	7.5		1.2	0.9		-4.9	1.2		11.1	1.3		2.0	3.0
ZZZVNF	228.7	0.5	1.3	56.0	0.5	1.5	42.3	0.4	0.9	54.7	0.3	1.3	68.7	0.3	0.3
		38.7	10.0		2.9	2.6		2.5	1.2		2.3	2.5		2.0	0.6
3YVF4E	152.0	-0.5	0.4	84.0	5.7	1.1	66.7	3.8	1.5	74.3	3.0	1.6	101.3	4.6	1.1
		-38.0	3.0		30.9	2.0		26.8	2.1		22.0	3.2		34.7	2.1
YFBCVH	176.3	-0.2	1.4	53.3	0.0	0.3	41.3	0.2	0.9	52.7	0.0	0.3	66.3	0.0	0.3
		-13.7	11.1		0.2	0.6		1.5	1.2		0.3	0.6		-0.3	0.6
WC2FCB	205.0	0.2	0.7	54.0	0.2	0.6	29.7	-1.4	0.4	61.0	1.2	0.5	69.7	0.4	0.3
		15.0	5.0		0.9	1.0		-10.2	0.6		8.7	1.0		3.0	0.6
NLT4RL	167.0	-0.3	0.2	55.7	0.5	0.7	42.3	0.4	0.4	52.3	0.0	0.3	66.7	0.0	0.8
		-23.0	1.7		2.5	1.2		2.5	0.6		0.0	0.6		0.0	1.5
ETRBHW	236.7	0.6	0.4	47.2	-1.1	1.0	47.0	1.0	0.8	53.6	0.2	1.3	72.2	0.7	0.4
		46.7	2.9		-6.0	1.7		7.2	1.1		1.3	2.6		5.5	0.8
H2Q66K	326.2	1.6	0.5	52.5	-0.1	1.5	32.7	-1.0	1.4	55.4	0.4	1.8	69.5	0.4	0.3
		136.2	4.1		-0.6	2.6		-7.1	1.9		3.1	3.6		2.9	0.6
X4MT48	413.7	2.7	1.2	50.3	-0.5	0.3	37.7	-0.3	0.4	42.7	-1.3	0.6	78.7	1.6	0.6
		223.7	9.5		-2.8	0.6		-2.2	0.6		-9.7	1.2		12.0	1.2
RP2M6B	325.3	1.6	0.5	52.0	-0.2	1.0	38.3	-0.2	1.1	48.0	-0.6	0.9	62.7	-0.5	0.3
		135.3	4.0		-1.1	1.7		-1.5	1.5		-4.3	1.7		-4.0	0.6
6R6KGZ	282.0	1.1	1.7	51.3	-0.3	0.7	39.0	-0.1	1.3	53.0	0.1	1.7	68.0	0.2	1.0
		92.0	13.1		-1.8	1.2		-0.8	1.7		0.7	0.0		1.3	1.7
EXKAWT	195.0	0.1	0.1	50.8	-0.4	0.2	38.9	-0.1	0.0	48.3	-0.6	0.2	62.6	-0.5	1.1
		5.0	0.7		-2.4	0.4		-0.9	0.1		-4.1	0.3		-4.1	2.0
RB2NGE	171.3	-0.2	1.8	45.7	-1.4	0.9	31.0	-1.3	0.7	49.7	-0.4	1.6	62.7	-0.5	0.6
		-18.7	14.2		-7.5	1.5		-8.8	1.0		-2.7	3.2		-4.0	1.2
UBVBN3	299.7	1.3	1.6	51.7	-0.3	0.7	39.8	0.0	0.4	49.0	-0.5	0.4	66.0	-0.1	
		109.7	12.5		-1.5	1.2		0.0	0.6		-3.3	0.9		-0.7	0.0
3P8J4X	161.7	-0.3	1.3	53.0	0.0	1.1	44.3	0.6	1.5	46.7	-0.8	1.8	64.0	-0.4	1.9
		-28.3	9.7		-0.1	2.0		4.5	2.1		-5.7	3.5		-2.7	3.5
72RZLU	166.7	-0.3	0.4	53.1	0.0	0.1	41.3	0.2	0.1	47.8	-0.6	0.1	66.1	-0.1	0.4
		-23.3	3.2		0.0	0.2		1.5	0.1		-4.6	0.1		-0.6	0.8
R8KGVZ	158.0	-0.4	0.5	54.7	0.3	2.7	42.0	0.3	2.0	48.0	-0.6	0.5	62.0	-0.6	1.1
		-32.0	3.5		1.5	4.7		2.2	2.6		-4.3	1.0		-4.7	2.0
RG9DW2	190.0	0.0	1.3	54.3	0.2	0.3	37.3	-0.4	0.4	46.0	-0.9	0.0	61.0	-0.8	0.6
		0.0	10.0		1.2	0.6		-2.5	0.6		-6.3	0.0		-5.7	1.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
W44REJ	173.9	-0.2	0.7	58.3	0.9	1.2	48.6	1.2	1.6	52.7	0.1	1.8	74.5	1.0	2.6
		-16.1	5.1		5.1	2.1		8.8	2.1		0.4	3.6		7.8	4.7
Grand Median		190.0			53.1			39.8			52.3			66.7	
Median Abs Dev		32.0			1.5			2.5			4.1			3.7	
Avg Within Lab SD		7.7			1.8			1.3			2.0			1.8	
Labs Included		21			21			21			21			21	
Labs Reporting		21			21			21			21			21	



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

PO4-P Bray P (1:7) (SubTestCode 133)	in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
RLNPWN	368.3	2.6	2.3	43.9	0.4	1.0	36.6	0.1	1.9	50.4	0.6	1.6	67.1	0.9	1.6
		213.0	51.8		4.7	4.7		1.1	4.3		13.3	5.7		13.3	7.8
8DFL3A	162.3	0.1	0.2	40.0	0.1	0.4	30.0	-0.5	0.9	38.0	0.0	0.3	47.0	-0.5	0.4
		7.0	3.5		0.8	1.7		-5.5	2.0		0.8	1.0		-6.8	1.7
826UYA	145.7	-0.1	0.2	38.3	-0.1	0.1	34.3	-0.1	0.7	36.3	0.0	0.4	48.7	-0.4	0.1
		-9.7	4.0		-0.8	0.6		-1.1	1.5		-0.8	1.5		-5.2	0.6
7XP3B3	113.9	-0.5	0.9	33.3	-0.5	0.2	29.8	-0.5	1.1	31.8	-0.3	1.8	46.0	-0.5	1.8
		-41.5	19.9		-5.8	0.7		-5.6	2.5		-5.4	6.3		-7.8	8.4
MWZJZE	206.0	0.6		35.0	-0.4		37.0	0.1		34.0	-0.1		59.0	0.4	
		50.6	0.0		-4.2	0.0		1.5	0.0		-3.2	0.0		5.2	0.0
ABLFYN	148.4	-0.1	0.1	66.3	2.5	2.2	65.9	2.7	0.5	100.1	2.9	0.2	75.3	1.5	0.3
		-7.0	3.1		27.1	9.9		30.4	1.1		63.0	0.8		21.5	1.4
Grand Median		155.4			39.2			35.5			37.2			53.8	
Median Abs Dev		25.6			4.5			3.5			4.3			7.3	
Avg Within Lab SD		22.8			4.5			2.3			3.6			4.8	
Labs Included		6			6			6			6			6	
Labs Reporting		6			6			6			6			6	



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

PO4-P Olsen/Bicarb (1:20) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
MFBFHP	111.7	0.0	0.2	12.9	-0.2	0.1	17.5	0.1	0.2	30.4	0.0	0.3	39.7	-0.1	0.2
		-3.0	1.2		-2.0	0.3		0.6	0.3		-0.4	0.6		-1.3	0.6
RBZUVM	111.3	-0.1	0.7	15.0	0.0	0.3	13.1	-0.6	0.3	26.8	-0.3	0.3	35.2	-0.6	0.9
		-3.3	3.9		0.0	0.8		-3.9	0.4		-4.1	0.5		-5.8	2.1
YN7FYE	195.2	1.2	2.2	20.8	0.7	0.6	21.4	0.7	1.8	50.1	1.5	2.3	56.3	1.6	0.3
		80.5	12.4		5.8	1.5		4.4	2.7		19.3	4.4		15.3	0.7
4TLEHA	109.5	-0.1	0.3	12.8	-0.2	0.3	25.6	1.4	0.8	30.6	0.0	0.7	42.4	0.1	0.4
		-5.2	1.7		-2.2	0.8		8.6	1.2		-0.3	1.3		1.4	1.0
ZZZVNF	126.0	0.2	0.7	14.0	-0.1		13.7	-0.5	1.0	34.0	0.2		41.0	0.0	0.7
		11.3	4.0		-1.0	0.0		-3.3	1.5		3.1	0.0		0.0	1.7
8DFL3A	88.0	-0.4	0.6	15.0	0.0	0.4	13.7	-0.5	0.7	27.3	-0.3	0.3	24.7	-1.7	1.3
		-26.7	3.6		0.0	1.0		-3.3	1.2		-3.5	0.6		-16.3	3.1
3YVF4E	76.0	-0.6	0.5	12.7	-0.3	0.2	13.0	-0.7	0.6	23.7	-0.6	1.3	26.3	-1.5	1.3
		-38.7	2.6		-2.3	0.6		-4.0	1.0		-7.2	2.5		-14.7	3.1
YFBCVH	135.3	0.3	0.4	22.3	0.8	0.2	20.7	0.6	0.4	34.0	0.2	0.5	44.3	0.3	0.6
		20.7	2.5		7.4	0.6		3.7	0.6		3.1	1.0		3.3	1.5
826UYA	108.7	-0.1	0.7	17.3	0.3	0.5	18.3	0.2	1.0	31.3	0.0	0.3	44.3	0.3	1.0
		-6.0	4.0		2.4	1.2		1.4	1.5		0.5	0.6		3.3	2.3
7XP3B3	142.3	0.4	0.2	13.8	-0.1	0.5	17.8	0.1	0.7	31.1	0.0	0.2	45.0	0.4	0.1
		27.6	0.9		-1.1	1.1		0.8	1.1		0.2	0.5		4.0	0.3
WC2FCB	157.3	0.7	0.4	14.7	0.0	0.2	15.3	-0.3	0.4	30.7	0.0	0.6	41.7	0.1	0.6
		42.7	2.5		-0.3	0.6		-1.6	0.6		-0.2	1.2		0.7	1.5
FXU2ZT	97.5	-0.3	2.0	12.2	-0.3	0.7	16.6	-0.1	2.3	25.0	-0.5	1.7	36.2	-0.5	1.7
		-17.1	11.3		-2.8	1.8		-0.4	3.5		-5.9	3.3		-4.8	4.1
263JG8	98.9	-0.2	0.7	14.9	0.0	0.4	13.8	-0.5	0.6	30.4	0.0	0.8	38.9	-0.2	1.4
		-15.8	4.1		0.0	1.0		-3.1	1.0		-0.5	1.7		-2.1	3.5
D2639V	149.0	0.5	0.7	28.0	1.5	0.3	40.4	3.9	0.7	54.5	1.9	1.0	63.9	2.4	1.7
		34.3	4.0		13.0	0.7		23.4	1.0		23.6	1.9		22.9	4.2
64X4W7	79.5	-0.5	1.0	12.0	-0.3	0.3	13.2	-0.6	0.5	23.8	-0.6	0.7	25.3	-1.6	0.5
		-35.2	5.6		-3.0	0.8		-3.8	0.8		-7.1	1.3		-15.7	1.3
HPD69R	157.0	0.7	0.6	21.9	0.8	0.3	25.9	1.5	0.3	38.8	0.6	0.7	56.4	1.6	1.2
		42.3	3.5		6.9	0.7		8.9	0.4		7.9	1.4		15.4	3.0
NLT4RL	113.3	0.0	0.3	16.0	0.1	0.4	14.0	-0.5	0.6	35.3	0.4	0.8	41.0	0.0	0.4
		-1.3	1.5		1.0	1.0		-3.0	1.0		4.5	1.5		0.0	1.0
MDL89N	93.7	-0.3	0.9	12.3	-0.3	0.6	15.7	-0.2	2.0	26.3	-0.4	1.1	40.7	0.0	0.9
		-21.0	5.0		-2.6	1.5		-1.3	3.1		-4.5	2.1		-0.3	2.1
WHN7Y7	84.7	-0.5	0.2	16.0	0.1		19.7	0.4	0.4	32.0	0.1		45.0	0.4	0.4
		-30.0	1.2		1.0	0.0		2.7	0.6		1.1	0.0		4.0	1.0
RP2M6B	96.7	-0.3	1.0	11.0	-0.4		10.7	-1.0	0.4	28.7	-0.2	0.3	34.7	-0.7	0.6
		-18.0	5.8		-4.0	0.0		-6.3	0.6		-2.2	0.6		-6.3	1.5



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
4E3UZ3	140.1	0.4	1.3	19.5	0.5	0.3	22.9	1.0	0.7	133.8	8.2	1.9	51.6	1.1	0.4
		25.4	7.4		4.6	0.9		5.9	1.0		102.9	3.7		10.6	0.9
6R6KGZ	132.3	0.3	1.0	17.1	0.2	0.0	17.6	0.1	0.1	33.8	0.2	0.8	40.9	0.0	1.1
		17.7	5.3		2.1	0.1		0.6	0.2		2.9	1.5		-0.1	2.6
TZYQ96	116.0	0.0	0.2	14.3	-0.1	0.7	23.3	1.0	0.5	36.8	0.5	0.8	51.9	1.1	0.7
		1.3	1.0		-0.7	1.7		6.3	0.8		6.0	1.6		10.9	1.7
EDAF6L	117.5	0.0	0.1	11.7	-0.4	0.1	15.3	-0.3	0.1	28.7	-0.2	0.1	37.4	-0.4	0.4
		2.9	0.8		-3.3	0.2		-1.7	0.2		-2.2	0.1		-3.6	0.9
3P8J4X	122.3	0.1	1.6	15.7	0.1	0.2	13.7	-0.5	0.4	29.0	-0.1	0.5	40.7	0.0	1.3
		7.7	9.0		0.7	0.6		-3.3	0.6		-1.9	1.0		-0.3	3.1
JKXUW9	105.0	-0.1	0.9	13.5	-0.2	0.2	17.4	0.1	0.4	24.7	-0.5	2.1	37.7	-0.3	1.0
		-9.7	5.0		-1.4	0.5		0.4	0.6		-6.2	4.0		-3.3	2.5
6KMCVP	824.3	10.9	1.7	112.4	11.0	5.0	21.8	0.8	0.8	37.4	0.5	1.1	44.1	0.3	0.2
		709.6	9.7		97.4	12.4		4.8	1.2		6.6	2.1		3.1	0.4
RG9DW2	131.3	0.3	0.8	17.7	0.3	0.2	16.3	-0.1	0.7	34.7	0.3	0.3	42.0	0.1	0.7
		16.7	4.7		2.7	0.6		-0.6	1.2		3.8	0.6		1.0	1.7
2GJ8RT	97.0	-0.3		10.7	-0.5		13.1	-0.6		21.9	-0.7		34.3	-0.7	
		-17.7	0.0		-4.3	0.0		-3.9	0.0		-9.0	0.0		-6.7	0.0
NF8BH8	142.2	0.4	2.1	18.4	0.4	1.2	23.1	1.0	3.1	43.2	1.0	1.9	60.3	2.0	2.7
		27.5	11.6		3.5	2.9		6.1	4.7		12.3	3.8		19.3	6.6
Grand Median		114.7			15.0			17.0			30.9			41.0	
Median Abs Dev		17.8			2.3			3.3			3.9			3.8	
Avg Within Lab SD		5.6			2.5			1.5			1.9			2.4	
Labs Included		30			30			30			30			30	
Labs Reporting		30			30			30			30			30	



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

PO4-P M. Morgan (SubTestCode 135)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
RDUHG4	209.67	1.00 8.02	2.50	1.00 0.50	5.33	1.00 0.76	8.00	1.00 0.50	19.67	1.00 1.15	
Grand Median	209.7		2.50		5.33		8.00		19.7		
Median Abs Dev											
Avg Within Lab SD	8.0		0.50		0.76		0.50		1.2		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

PO4-P Mod. Kelowna (SubTestCode 136)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg				
SRS1406	SRS1407	SRS1408	SRS1409	SRS1410											
JKXUW9	330.0	1.0 20.0	31.3	1.0 1.5	30.0	1.0 2.0	37.0	1.0 1.7	60.7	1.0 3.1					
Grand Median	330.0		31.3		30.0		37.0		60.7						
Median Abs Dev															
Avg Within Lab SD	20.0		1.5		2.0		1.7		3.1						
Labs Included	1		1		1		1		1						
Labs Reporting	1		1		1		1		1						



ALP Program - Participant Web Summary Report - Cycle 24

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

PO4-P Strong Bray (1:10) (SubTestCode 137)	in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
YN7FYE	685.0	0.8	1.0	73.6	0.0	0.1	62.3	0.0	0.7	96.4	0.0	0.7	103.0	-1.5	0.7
		116.0	13.2		0.0	0.5		0.0	1.6		0.0	2.4		-14.3	3.5
ZZZVNF	562.3	0.0	2.3	77.3	0.3	1.1	72.3	1.5	2.1	101.0	0.3	1.6	117.3	0.0	2.2
		-6.7	29.7		3.7	4.2		10.0	5.0		4.6	5.3		0.0	11.0
YFBCVH	527.7	-0.3	0.0	63.3	-0.9	0.2	55.3	-1.1	0.2	91.3	-0.3	0.2	110.3	-0.7	0.6
		-41.3	0.6		-10.3	0.6		-7.0	0.6		-5.1	0.6		-7.0	2.9
NLT4RL	922.7	2.6	0.3	75.3	0.2	0.2	61.3	-0.1	0.6	103.3	0.4	0.2	118.0	0.1	0.5
		353.7	4.0		1.7	0.6		-1.0	1.5		6.9	0.6		0.7	2.6
MWZJZE	569.0	0.0	0.0	56.0	-1.6	0.0	68.0	0.9	0.0	69.0	-1.7	0.0	126.0	0.9	0.0
		0.0	0.0		-17.6	0.0		5.7	0.0		-27.4	0.0		8.7	0.0
RP2M6B	670.7	0.7	0.6	63.3	-0.9	0.8	58.7	-0.6	0.6	81.7	-0.9	0.5	105.3	-1.3	0.3
		101.7	8.1		-10.3	2.9		-3.6	1.5		-14.7	1.5		-12.0	1.5
3P8J4X	540.7	-0.2	0.0	81.7	0.7	2.2	65.7	0.5	1.1	112.3	1.0	1.9	119.7	0.2	1.1
		-28.3	0.6		8.0	8.1		3.4	2.5		15.9	6.4		2.3	5.5
Grand Median		569.0		73.6			62.3			96.4			117.3		
Median Abs Dev		41.3		8.0			3.6			6.9			7.0		
Avg Within Lab SD		12.8		3.6			2.4			3.3			5.1		
Labs Included		7		7			7			7			7		
Labs Reporting		7		7			7			7			7		



ALP Program - Participant Web Summary Report - Cycle 24

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

SO4 - S (PO4 Extr.) (SubTestCode 139) in the Phosphorus and Sulfur Property Groups															
Data units: mg/kg															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	133.00	-0.97	0.39	7.17	0.03	0.35	8.67	0.26	1.27	9.67	0.00	1.31	8.75	0.22	1.51
		-358.42	109.13		0.17	0.58		0.78	1.15		0.00	1.04		0.90	1.06
YN7FYE	915.00	1.15	4.32	13.27	0.92	1.54	12.51	1.54	0.82	15.43	1.41	1.71	13.23	1.34	1.07
		423.58	1,203.78		6.28	2.52		4.62	0.74		5.77	1.36		5.38	0.75
4TLEHA	491.42	0.00	0.00	24.13	2.51	0.22	9.95	0.69	0.53	8.49	-0.29	0.12	8.04	0.05	0.18
		0.00	0.30		17.14	0.36		2.06	0.49		-1.18	0.09		0.19	0.13
RLNPWN	708.57	0.59	0.07	3.88	-0.46	0.38	7.66	-0.07	1.12	6.01	-0.89	1.76	4.63	-0.80	1.86
		217.14	18.13		-3.12	0.61		-0.22	1.02		-3.66	1.40		-3.22	1.30
ZZZVNF	437.33	-0.15	0.06	7.00	0.00	0.61	8.00	0.04	1.10	8.33	-0.33	0.73	7.00	-0.21	1.43
		-54.09	16.26		0.01	1.00		0.12	1.00		-1.33	0.58		-0.85	1.00
8DFL3A	507.33	0.04	0.05	22.33	2.25	0.94	8.67	0.26	0.63	9.33	-0.08	1.93	6.67	-0.29	0.82
		15.91	14.47		15.34	1.53		0.78	0.58		-0.33	1.53		-1.19	0.58
YFBCVH	454.11	-0.10	0.04	6.99	0.00	0.02	7.77	-0.04	0.25	8.24	-0.35	0.17	6.22	-0.41	0.24
		-37.31	10.25		-0.01	0.04		-0.12	0.23		-1.43	0.13		-1.64	0.17
7XP3B3	686.33	0.53	0.02	5.93	-0.16	0.07	11.30	1.13	1.24	13.70	0.98	0.66	12.00	1.03	
		194.91	6.81		-1.06	0.12		3.42	1.13		4.03	0.52		4.15	0.00
WC2FCB	612.67	0.33	0.02	6.33	-0.10	0.35	7.33	-0.18	0.63	9.67	0.00	0.73	8.33	0.12	0.82
		121.24	6.43		-0.66	0.58		-0.55	0.58		0.00	0.58		0.48	0.58
FXU2ZT	208.95	-0.77	0.08	3.66	-0.49	0.16	6.89	-0.33	1.37	6.62	-0.74	1.18	5.80	-0.51	1.68
		-282.47	23.46		-3.33	0.25		-0.99	1.25		-3.05	0.93		-2.06	1.18
NLT4RL	232.33	-0.70	0.02	7.33	0.05	0.35	7.67	-0.07	0.63	10.00	0.08		7.67	-0.05	0.82
		-259.09	6.66		0.34	0.58		-0.22	0.58		0.33	0.00		-0.19	0.58
MDL89N	589.73	0.27	0.19	18.63	1.70	3.84	16.54	2.88	1.68	21.00	2.77	1.80	17.75	2.46	0.21
		98.31	53.44		11.64	6.27		8.66	1.53		11.33	1.43		9.90	0.15
X4MT48	316.70	-0.48	0.04	4.57	-0.36	0.19	6.77	-0.37	0.28	10.67	0.24	0.51	9.53	0.42	0.64
		-174.72	12.31		-2.43	0.31		-1.12	0.25		1.00	0.40		1.68	0.45
6R6KGZ	243.87	-0.67	0.15	6.22	-0.11	0.05	5.96	-0.64	0.26	10.00	0.08	0.16	8.99	0.28	0.65
		-247.55	42.84		-0.78	0.08		-1.92	0.24		0.33	0.13		1.14	0.46
73MLCZ	474.00	-0.05	0.11	4.67	-0.34	0.71	7.00	-0.29	1.10	7.33	-0.57	0.73	6.00	-0.46	1.43
		-17.42	30.51		-2.33	1.15		-0.88	1.00		-2.33	0.58		-1.85	1.00
3P8J4X	615.33	0.34	0.09	8.67	0.24	0.35	8.33	0.15	0.63	9.67	0.00	0.73	7.67	-0.05	0.82
		123.91	24.01		1.67	0.58		0.45	0.58		0.00	0.58		-0.19	0.58
JKXUW9	593.33	0.28	0.07	3.71	-0.48	0.45	6.07	-0.60	0.50	6.70	-0.72	0.63	5.87	-0.49	0.70
		101.91	20.82		-3.29	0.73		-1.82	0.45		-2.97	0.50		-1.99	0.49
6KMCVP	176.11	-0.86	0.05	7.42	0.06	0.04	10.80	0.97	0.17	12.28	0.64	0.10	11.12	0.81	0.13
		-315.31	15.26		0.43	0.06		2.92	0.16		2.61	0.08		3.27	0.09
RG9DW2				25.33	2.68	0.35	15.33	2.47	0.63	19.33	2.36	0.73	20.33	3.10	0.82
					18.34	0.58		7.45	0.58		9.67	0.58		12.48	0.58
W44REJ	2,161.23	4.54	0.19	3.20	-0.56	0.16	6.37	-0.50	2.24	5.77	-0.95	0.26	6.27	-0.39	1.16
		1,669.81	52.56		-3.80	0.26		-1.52	2.04		-3.90	0.21		-1.59	0.81



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	491.4			7.00			7.88			9.67			7.85		
Median Abs Dev	174.7			2.38			1.05			1.88			1.66		
Avg Within Lab SD	278.4			1.63			0.91			0.79			0.70		
Labs Included	19			20			20			20			20		
Labs Reporting	19			20			20			20			20		



ALP Program - Participant Web Summary Report - Cycle 24

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

	K Ammonium Acetate (SubTestCode 140)			in the Bases (1:10) Property Groups						Data units: mg/kg					
	SRS1406			SRS1407		SRS1408		SRS1409		SRS1410					
EKCRXX	584.3	-0.3	0.0	170.7	-0.3	0.1	76.3	-0.3	0.4	192.7	-0.8	0.2	227.3	-0.8	0.0
		-63.5	8.7		-7.0	2.3		-6.7	2.1		-22.8	2.5		-50.2	0.6
RBZUVM	591.9	-0.3	0.0	166.7	-0.5	0.3	68.0	-0.7	1.1	200.6	-0.5	0.5	226.3	-0.9	0.3
		-55.9	19.7		-11.0	5.1		-15.0	6.1		-15.0	6.1		-51.2	18.2
YN7FYE	2,884.6	10.4	6.2	209.8	1.4	1.0	83.0	0.0	0.3	277.9	2.1	0.9	253.3	-0.4	0.2
		2,236.8	3,792.7		32.1	16.9		0.0	1.7		62.4	9.8		-24.2	10.1
4TLEHA	674.3	0.1	0.0	192.2	0.6	0.0	111.0	1.4	0.1	212.3	-0.1	0.1	308.4	0.5	0.0
		26.5	6.6		14.5	0.3		28.0	0.7		-3.2	1.2		30.9	1.3
RLNPWN	767.3	0.6	0.1	183.6	0.3	0.6	120.2	1.8	0.6	242.7	0.9	1.4	331.8	0.9	0.7
		119.5	44.1		5.9	10.0		37.2	3.7		27.2	16.0		54.3	40.3
ZZZVNF	669.7	0.1	0.0	166.7	-0.5	0.2	85.7	0.1	1.0	222.7	0.2	0.4	252.0	-0.4	0.2
		21.8	16.3		-11.0	4.0		2.7	5.7		7.2	4.0		-25.5	12.2
8DFL3A	516.0	-0.6	0.0	166.3	-0.5	0.4	77.3	-0.3	0.4	161.0	-1.9	0.7	210.0	-1.1	0.2
		-131.8	2.0		-11.3	7.5		-5.7	2.1		-54.5	7.9		-67.5	10.5
3YVF4E	596.3	-0.2	0.0	187.7	0.4	0.2	80.7	-0.1	0.3	194.7	-0.7	0.5	260.3	-0.3	0.1
		-51.5	5.5		10.0	3.1		-2.3	1.5		-20.8	6.0		-17.2	4.0
826UYA	752.7	0.5	0.0	183.7	0.3	0.2	127.0	2.2	1.3	263.3	1.6	1.2	336.0	1.0	0.1
		104.8	8.3		6.0	4.0		44.0	7.5		47.8	14.0		58.5	8.7
7XP3B3	622.8	-0.1	0.0	197.1	0.8	2.0	122.2	1.9	4.4	246.1	1.0	4.7	321.1	0.7	1.3
		-25.0	25.0		19.5	34.2		39.2	25.7		30.6	52.5		43.6	77.7
WC2FCB	655.3	0.0	0.0	183.3	0.2	0.2	81.0	-0.1	0.2	226.7	0.4	0.3	486.3	3.5	5.9
		7.5	5.5		5.7	2.9		-2.0	1.0		11.2	2.9		208.8	347.9
FXU2ZT	612.7	-0.2	0.0	152.0	-1.1	0.1	95.7	0.6	0.3	197.3	-0.6	0.3	280.3	0.0	0.1
		-35.2	6.7		-25.7	1.7		12.7	1.5		-18.2	3.2		2.8	6.4
VDXCLE	691.3	0.2	0.0	168.6	-0.4	0.2	104.8	1.1	0.4	222.4	0.2	0.6	302.7	0.4	0.1
		43.4	7.2		-9.0	3.6		21.8	2.1		6.9	6.9		25.2	3.2
263JG8	745.0	0.4	0.0	198.0	0.9	0.4	84.0	0.0	0.5	248.3	1.1	0.4	305.7	0.5	0.1
		97.2	18.0		20.3	7.0		1.0	3.0		32.8	4.7		28.2	6.8
64X4W7	733.3	0.4	0.0	126.2	-2.2	5.4	80.8	-0.1	0.0	222.7	0.2	0.2	291.5	0.2	0.1
		85.5	1.5		-51.5	92.4		-2.2	0.2		7.2	2.5		14.0	3.5
HPD69R	934.0	1.3	0.2	185.0	0.3	0.1	109.0	1.3	1.4	242.7	0.9	1.2	349.7	1.2	0.2
		286.2	97.9		7.3	1.0		26.0	8.2		27.2	13.6		72.2	11.9
NLT4RL	627.0	-0.1	0.0	177.3	0.0	0.6	76.3	-0.3	0.7	204.3	-0.4	0.3	237.3	-0.7	0.1
		-20.8	13.9		-0.3	10.2		-6.7	3.8		-11.2	3.5		-40.2	4.9
ZBBL2B	592.4	-0.3	0.0	158.8	-0.8	0.0	72.2	-0.5	0.0	189.8	-0.9	0.0	243.9	-0.6	0.0
		-55.4	1.9		-18.9	0.7		-10.8	0.1		-25.7	0.2		-33.6	1.7
MDL89N	525.5	-0.6	0.0	140.6	-1.6	0.3	90.2	0.4	0.6	190.0	-0.9	0.7	255.1	-0.4	0.2
		-122.3	12.5		-37.1	5.0		7.2	3.7		-25.5	7.4		-22.4	12.2
ETRBHW	618.6	-0.1	0.0	180.9	0.1	0.2	79.5	-0.2	0.3	198.8	-0.6	0.4	234.5	-0.7	0.0
		-29.3	22.0		3.3	2.8		-3.5	2.0		-16.7	4.1		-43.0	2.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
MWZJZE	563.0	-0.4		127.0	-2.2		92.0	0.4		185.0	-1.0		290.0	0.2	
		-84.8	0.0		-50.7	0.0		9.0	0.0		-30.5	0.0		12.5	0.0
X4MT48	605.7	-0.2	0.0	180.3	0.1	0.2	78.0	-0.2	0.5	225.7	0.3	0.1	254.3	-0.4	0.2
		-42.2	18.5		2.7	3.5		-5.0	2.6		10.2	0.6		-23.2	10.1
RP2M6B	640.3	0.0	0.0	179.3	0.1	0.1	77.6	-0.3	0.3	217.0	0.1	0.1	274.0	-0.1	0.2
		-7.5	4.9		1.7	2.3		-5.4	1.5		1.5	1.0		-3.5	10.1
4E3UZ3	678.1	0.1	0.0	152.6	-1.1	0.2	98.6	0.8	1.5	244.3	1.0	1.2	299.0	0.4	0.3
		30.2	4.8		-25.0	3.5		15.6	8.8		28.8	13.5		21.5	14.9
6R6KGZ	674.7	0.1	0.0	180.3	0.1	0.1	83.0	0.0	0.8	225.3	0.3	0.5	258.3	-0.3	0.1
		26.8	4.6		2.7	1.5		0.0	4.4		9.8	5.7		-19.2	3.2
EXKAWT	631.3	-0.1	0.0	179.7	0.1	0.2	77.7	-0.3	0.4	210.7	-0.2	0.2	245.3	-0.5	0.1
		-16.5	5.7		2.0	3.2		-5.3	2.2		-4.8	2.5		-32.2	3.8
RB2NGE	617.7	-0.1	0.0	172.7	-0.2	0.2	78.0	-0.2	0.6	202.0	-0.5	1.5	242.3	-0.6	0.1
		-30.2	27.5		-5.0	3.5		-5.0	3.6		-13.5	16.7		-35.2	7.5
TZYQ96	744.3	0.4	0.0	178.0	0.0	1.1	99.5	0.8	1.1	220.7	0.2	1.4	300.7	0.4	0.3
		96.5	28.2		0.3	18.7		16.5	6.3		5.2	15.6		23.2	16.3
WRRHVZ	727.7	0.4	0.0	183.2	0.2	0.1	87.5	0.2	0.2	212.8	-0.1	0.1	263.4	-0.2	0.0
		79.8	2.5		5.5	1.8		4.5	1.2		-2.7	1.3		-14.1	1.5
ABLFYN	273.8	-1.7	0.0	146.0	-1.3	0.5	60.4	-1.1	0.8	132.4	-2.8	0.2	88.3	-3.2	0.2
		-374.0	3.7		-31.7	8.2		-22.6	4.8		-83.1	2.8		-189.2	10.2
EDAF6L	112.7	-2.5	0.0	167.3	-0.4	0.3	115.2	1.6	0.2	208.7	-0.2	0.4	298.4	0.4	0.1
		-535.1	1.9		-10.4	4.3		32.2	0.9		-6.8	4.3		20.9	6.8
3P8J4X	637.0	-0.1	0.0	179.7	0.1	0.3	75.7	-0.4	0.5	228.0	0.4	0.2	289.7	0.2	0.2
		-10.8	3.6		2.0	4.5		-7.3	3.1		12.5	1.7		12.2	12.1
R8KGVZ	772.7	0.6	0.0	207.3	1.3	0.2	105.0	1.1	0.2	209.3	-0.2	0.3	302.7	0.4	0.1
		124.8	8.7		29.7	3.8		22.0	1.0		-6.2	3.8		25.2	3.5
JKXUW9	616.7	-0.1	0.1	170.0	-0.3	0.6	116.7	1.7	2.0	206.7	-0.3	1.0	290.0	0.2	0.2
		-31.2	45.1		-7.7	10.0		33.7	11.5		-8.8	11.5		12.5	10.0
6KMCVP	767.3	0.6	0.0	84.0	-4.0	0.0	50.2	-1.6	0.1	254.5	1.3	0.0	364.8	1.5	0.0
		119.5	7.6		-93.7	0.8		-32.7	0.4		39.0	0.3		87.3	1.7
RG9DW2	775.3	0.6	0.0	176.3	-0.1	0.2	81.7	-0.1	0.4	214.0	-0.1	0.2	269.7	-0.1	0.1
		127.5	14.5		-1.3	3.5		-1.3	2.5		-1.5	2.0		-7.8	4.5
2GJ8RT	761.0	0.5		168.0	-0.4		104.0	1.0		226.0	0.4		336.0	1.0	
		113.2	0.0		-9.7	0.0		21.0	0.0		10.5	0.0		58.5	0.0
W44REJ	711.7	0.3	0.1	190.7	0.6	0.5	74.0	-0.4	0.5	219.7	0.1	0.7	274.7	0.0	0.3
		63.8	32.9		13.0	9.2		-9.0	2.6		4.2	7.4		-2.8	18.1
Grand Median		647.8			177.7			83.0			215.5			277.5	
Median Abs Dev		59.7			9.8			8.2			13.0			25.3	
Avg Within Lab SD		615.7			17.1			5.8			11.3			58.8	
Labs Included		38			38			38			38			38	
Labs Reporting		38			38			38			38			38	



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

Ca Ammonium Acetate (SubTestCode 141)	in the Bases (1:10) Property Groups														Data units: mg/kg	
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	3,799.0	0.0	0.5	589.3	0.3	0.2	859.7	0.1	0.3	4,170.3	0.2	0.6	2,214.7	-0.3	0.2	
		32.4	67.5		30.3	6.0		16.8	13.7		158.7	82.5		-127.0	23.2	
RBZUVM	3,774.0	0.0	0.5	533.5	-0.2	1.3	738.0	-0.6	2.3	3,694.0	-0.5	1.1	2,048.3	-0.7	0.5	
		7.4	67.2		-25.5	39.1		-104.9	93.8		-317.6	144.0		-293.3	69.8	
YN7FYE	4,779.0	1.3	1.4	678.3	1.1	2.0	895.6	0.3	0.3	4,830.7	1.2	1.1	2,447.3	0.3	0.5	
		1,012.4	182.7		119.3	59.2		52.7	12.3		819.0	143.1		105.7	80.0	
4TLEHA	3,245.7	-0.7	0.0	706.4	1.3	0.0	1,087.1	1.4	0.0	3,688.8	-0.5	0.0	2,552.8	0.5	0.0	
		-520.8	0.8		147.4	0.4		244.3	0.9		-322.8	0.5		211.1	1.4	
RLNPWN	3,980.1	0.3	1.6	635.4	0.7	1.8	1,256.6	2.4	1.0	4,629.0	0.9	1.9	3,068.7	1.7	2.5	
		213.6	198.7		76.4	51.4		413.8	40.9		617.4	253.6		727.1	370.6	
ZZZVNF	3,915.0	0.2	0.3	600.7	0.4	0.2	802.0	-0.2	0.9	4,655.3	0.9	0.3	2,311.0	-0.1	0.4	
		148.4	33.0		41.7	5.7		-40.9	36.4		643.7	36.3		-30.7	57.9	
8DFL3A	2,622.7	-1.5	0.6	573.3	0.1	1.2	636.7	-1.2	1.0	2,760.3	-1.8	0.4	1,737.3	-1.4	0.2	
		-1,143.9	75.8		14.3	35.7		-206.2	41.4		-1,251.3	60.7		-604.3	29.7	
3YVF4E	3,301.0	-0.6	0.4	559.0	0.0	0.1	759.7	-0.5	0.2	3,376.0	-0.9	0.4	2,085.7	-0.6	0.4	
		-465.6	52.3		0.0	3.6		-83.2	6.0		-635.6	58.1		-256.0	64.7	
YFBCVH	3,616.7	-0.2	0.0	622.3	0.6	0.1	833.7	-0.1	0.3	4,268.3	0.4	0.1	2,341.7	0.0	0.3	
		-149.9	5.5		63.3	4.0		-9.2	11.6		256.7	16.7		0.0	39.5	
826UYA	2,665.0	-1.5	0.2	447.7	-1.0	0.4	928.7	0.5	0.3	3,753.7	-0.4	0.3	2,206.7	-0.3	0.3	
		-1,101.6	20.0		-111.3	11.5		85.8	11.5		-258.0	41.6		-135.0	40.3	
7XP3B3	5,324.0	2.1	2.3	481.0	-0.7	2.7	1,008.7	1.0	0.3	4,094.8	0.1	0.8	2,712.1	0.9	0.7	
		1,557.4	286.5		-78.0	80.2		165.8	11.6		83.2	102.8		370.4	100.9	
WC2FCB	4,581.7	1.1	0.1	665.0	1.0	0.2	836.0	0.0	0.0	4,191.7	0.3	0.1	2,380.0	0.1	0.2	
		815.1	7.6		106.0	5.0		-6.9	1.7		180.0	10.4		38.3	26.5	
FXU2ZT	4,388.7	0.8	0.5	471.3	-0.8	0.5	950.7	0.6	1.1	3,741.3	-0.4	0.5	2,515.3	0.4	0.5	
		622.1	60.1		-87.7	14.4		107.8	44.4		-270.3	70.1		173.7	73.9	
VDXCLE	3,738.0	0.0	0.2	508.8	-0.5	2.3	1,043.8	1.2	2.1	4,180.3	0.2	0.6	2,714.0	0.9	0.2	
		-28.6	23.4		-50.2	66.9		200.9	83.9		168.7	86.9		372.3	29.8	
64X4W7	3,835.7	0.1	0.0	584.0	0.2	0.1	826.4	-0.1	0.1	4,179.7	0.2	0.1	2,496.0	0.4	0.0	
		69.1	5.5		25.0	2.0		-16.4	2.5		168.0	9.5		154.3	6.0	
HPD69R	3,548.0	-0.3	1.7	510.0	-0.4	0.6	1,029.3	1.1	1.2	4,135.7	0.2	1.7	2,599.7	0.6	1.1	
		-218.6	214.0		-49.0	17.3		186.5	49.7		124.0	230.9		258.0	157.8	
NLT4RL	2,396.7	-1.8	0.3	489.0	-0.6	0.9	720.0	-0.7	0.5	3,523.3	-0.7	0.8	1,460.0	-2.1	4.1	
		-1,369.9	40.4		-70.0	25.4		-122.9	20.0		-488.3	112.4		-881.7	597.6	
ZBBL2B	4,437.6	0.9	0.0	519.9	-0.4	0.1	731.0	-0.6	0.0	3,484.4	-0.8	0.1	2,081.3	-0.6	0.0	
		671.0	3.5		-39.1	2.8		-111.9	0.1		-527.2	7.4		-260.4	3.3	
MDL89N	3,740.3	0.0	1.5	453.5	-1.0	0.9	821.2	-0.1	1.1	3,288.7	-1.1	2.1	2,071.0	-0.6	0.4	
		-26.2	185.8		-105.5	25.2		-21.7	42.7		-723.0	278.8		-270.7	55.7	
ETRBHW	3,759.1	0.0	0.8	614.9	0.5	0.1	842.9	0.0	0.7	4,011.6	0.0	0.7	2,255.4	-0.2	0.2	
		-7.4	102.1		55.9	4.2		0.0	29.3		0.0	94.3		-86.3	23.8	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
MWZJZE	3,778.0	0.0		456.0	-0.9		921.0	0.4		3,117.0	-1.3		2,429.0	0.2	
		11.4	0.0		-103.0	0.0		78.1	0.0		-894.6	0.0		87.3	0.0
X4MT48	4,278.3	0.7	0.3	592.7	0.3	0.1	811.3	-0.2	0.7	4,321.7	0.5	0.4	2,363.7	0.1	0.4
		511.8	43.0		33.7	3.2		-31.5	27.3		310.0	50.6		22.0	60.1
RP2M6B	3,719.3	-0.1	0.6	572.0	0.1	0.4	749.3	-0.5	0.3	4,350.7	0.5	0.5	2,267.0	-0.2	0.3
		-47.2	69.6		13.0	10.4		-93.5	11.0		339.0	61.5		-74.7	45.8
4E3UZ3	3,117.1	-0.9	0.1	537.4	-0.2	0.5	1,046.4	1.2	0.6	4,027.4	0.0	0.6	2,568.1	0.5	0.3
		-649.4	11.8		-21.6	14.7		203.6	22.9		15.7	77.9		226.4	42.0
6R6KGZ	3,496.9	-0.4	1.5	559.5	0.0	0.7	679.8	-0.9	2.4	3,582.7	-0.6	1.2	1,856.3	-1.2	0.7
		-269.7	188.7		0.5	21.5		-163.1	97.9		-429.0	156.6		-485.4	96.3
EXKAWT	3,229.0	-0.7	0.2	557.0	0.0	0.3	813.3	-0.2	0.4	3,839.7	-0.3	0.0	2,049.0	-0.7	0.2
		-537.6	21.0		-2.0	9.0		-29.5	15.9		-172.0	4.0		-292.7	28.2
RB2NGE	2,229.7	-2.0	0.8	455.7	-0.9	0.5	662.3	-1.0	0.5	3,276.3	-1.1	1.7	1,834.7	-1.2	0.2
		-1,536.9	95.3		-103.3	15.6		-180.5	21.9		-735.3	234.2		-507.0	27.6
ABLFYN	2,736.0	-1.4	0.0	268.9	-2.6	0.2	400.1	-2.5	0.3	886.6	-4.6	0.3	783.0	-3.7	0.3
		-1,030.5	0.5		-290.1	5.6		-442.7	13.2		-3,125.1	35.8		-1,558.6	42.4
EDAF6L	3,955.2	0.2	0.4	462.9	-0.9	0.9	888.6	0.3	0.3	4,160.1	0.2	0.7	2,734.0	0.9	0.8
		188.6	53.2		-96.1	26.0		45.7	12.3		148.4	97.8		392.3	123.6
3P8J4X	3,682.3	-0.1	0.3	590.7	0.3	0.7	763.3	-0.5	0.4	4,119.3	0.2	0.1	2,331.7	0.0	0.5
		-84.2	36.0		31.7	21.7		-79.5	16.3		107.7	19.1		-10.0	68.6
R8KGVZ	4,911.7	1.5	0.3	724.0	1.5	0.2	1,019.0	1.0	0.3	3,188.7	-1.2	0.1	2,277.3	-0.2	0.1
		1,145.1	34.0		165.0	5.0		176.1	10.8		-823.0	11.0		-64.3	13.7
JKXUW9	3,800.0	0.0	1.6	466.7	-0.8	1.2	936.7	0.5	1.4	3,600.0	-0.6	1.5	2,366.7	0.1	1.0
		33.4	200.0		-92.3	35.1		93.8	55.1		-411.6	200.0		25.0	152.8
6KMCVP	4,639.9	1.1	0.2	501.1	-0.5	0.3	1,017.6	1.0	0.2	4,074.6	0.1	0.2	2,673.5	0.8	0.1
		873.3	24.7		-57.9	8.5		174.8	9.4		63.0	33.3		331.8	16.3
RG9DW2				826.0	2.4	0.3	936.3	0.5	0.4	3,965.7	-0.1	0.1	2,552.0	0.5	0.1
					267.0	8.5		93.5	14.0		-46.0	14.0		210.3	9.2
W44REJ	4,081.7	0.4	3.3	591.7	0.3	2.2	865.0	0.1	2.7	4,376.7	0.5	3.3	2,644.7	0.7	2.4
		315.1	417.4		32.7	65.0		22.1	106.6		365.0	444.7		303.0	344.9
Grand Median		3,766.6			559.0			842.9			4,011.6			2,341.7	
Median Abs Dev		390.3			57.9			93.5			317.6			226.4	
Avg Within Lab SD		126.3			29.2			40.0			135.3			146.1	
Labs Included		34			35			35			35			35	
Labs Reporting		34			35			35			35			35	



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

Mg Ammonium Acetate (SubTestCode 142)				in the Bases (1:10) Property Groups											Data units: mg/kg	
SRS1406				SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	595.3	0.1	0.0	64.0	0.2	0.2	85.7	0.0	0.3	715.3	0.7	0.9	523.3	-0.1	0.0	
		24.6	4.2		3.0	1.7		0.8	1.5		79.6	21.6		-6.0	0.6	
RBZUVM	568.2	0.0	0.1	59.5	-0.1	0.3	79.5	-0.3	1.9	644.0	0.1	2.5	493.8	-0.4	1.3	
		-2.5	33.8		-1.5	2.1		-5.4	8.4		8.3	60.2		-35.5	35.1	
YN7FYE	2,810.1	13.0	5.8	65.9	0.4	0.7	84.7	0.0	0.4	795.4	1.5	1.1	557.1	0.3	0.8	
		2,239.4	3,684.1		4.9	5.1		-0.2	1.8		159.6	25.7		27.8	22.4	
4TLEHA	570.2	0.0	0.0	76.1	1.2	0.1	97.6	0.7	0.1	637.2	0.0	0.1	602.6	0.8	0.0	
		-0.5	1.0		15.1	0.5		12.8	0.5		1.4	1.7		73.3	1.1	
RLNPWN	708.3	0.8	0.1	61.7	0.1	0.8	111.3	1.5	1.8	745.9	1.0	2.8	670.6	1.6	3.3	
		137.6	58.7		0.7	6.2		26.5	8.1		110.2	68.5		141.3	92.3	
ZZZVNF	548.3	-0.1	0.0	52.0	-0.7	0.2	70.0	-0.8	1.0	662.3	0.2	1.0	468.3	-0.7	0.9	
		-22.4	29.7		-9.0	1.7		-14.8	4.6		26.6	24.8		-61.0	26.1	
8DFL3A	488.3	-0.5	0.0	70.7	0.8	0.7	68.7	-0.9	0.7	505.7	-1.2	0.5	411.0	-1.4	0.2	
		-82.4	6.1		9.7	5.0		-16.2	3.2		-130.1	12.5		-118.3	6.6	
3YVF4E	493.0	-0.5	0.0	59.0	-0.2	0.1	63.3	-1.2	1.1	542.0	-0.9	0.1	452.7	-0.9	0.1	
		-77.7	7.2		-2.0	1.0		-21.5	5.1		-93.8	3.6		-76.6	3.2	
YFBCVH	590.0	0.1	0.0	55.3	-0.5	0.1	66.7	-1.0	0.5	697.3	0.6	0.1	524.3	-0.1	0.2	
		19.3	3.0		-5.7	0.6		-18.2	2.1		61.6	2.1		-5.0	4.7	
826UYA	571.2	0.0	0.0	48.6	-1.0	0.0	97.2	0.7	0.0	604.4	-0.3	0.2	532.7	0.0	0.1	
		0.5	12.2		-12.4	0.0		12.4	0.0		-31.3	5.7		3.4	3.5	
7XP3B3	490.1	-0.5	0.0	77.0	1.3	5.3	113.4	1.6	3.1	591.3	-0.4	1.2	587.3	0.7	1.3	
		-80.7	7.0		16.0	39.1		28.6	14.0		-44.5	28.1		58.0	35.1	
WC2FCB	641.7	0.4	0.0	80.0	1.6	0.1	91.0	0.3	0.2	715.0	0.7	0.6	588.0	0.7	0.1	
		71.0	6.7		19.0	1.0		6.2	1.0		79.2	15.0		58.7	2.6	
FXU2ZT	508.3	-0.4	0.1	49.0	-1.0		88.3	0.2	0.5	598.0	-0.3	0.4	548.0	0.2	0.3	
		-62.4	45.3		-12.0	0.0		3.5	2.3		-37.8	10.5		18.7	9.6	
VDXCLE	521.3	-0.3	0.0	59.9	-0.1	0.1	101.1	0.9	1.0	566.4	-0.6	0.3	522.5	-0.1	0.0	
		-49.4	4.7		-1.1	0.9		16.2	4.6		-69.4	6.4		-6.8	0.5	
64X4W7	647.0	0.4	0.0	59.1	-0.2	0.1	76.9	-0.4	0.1	684.3	0.4	0.2	571.0	0.5	0.1	
		76.3	2.0		-1.9	0.4		-7.9	0.6		48.6	4.0		41.7	4.0	
HPD69R	609.7	0.2	0.0	53.0	-0.7	0.6	90.0	0.3	0.4	634.3	0.0	0.6	556.7	0.3	0.2	
		39.0	13.5		-8.0	4.4		5.2	2.0		-1.4	13.7		27.4	4.2	
NLT4RL	547.0	-0.1	0.0	52.0	-0.7	0.8	66.3	-1.0	0.5	596.7	-0.4	0.6	440.0	-1.0	0.3	
		-23.7	9.6		-9.0	6.1		-18.5	2.1		-39.1	13.6		-89.3	7.8	
ZBBL2B	627.1	0.3	0.0	57.9	-0.3	0.1	72.3	-0.7	0.0	581.1	-0.5	0.0	486.3	-0.5	0.0	
		56.4	1.7		-3.1	0.5		-12.5	0.1		-54.6	1.0		-43.0	1.3	
MDL89N	540.1	-0.2	0.1	62.6	0.1	0.8	95.3	0.6	0.8	596.7	-0.4	1.1	530.9	0.0	0.7	
		-30.6	34.1		1.6	5.7		10.4	3.7		-39.1	26.4		1.6	18.5	
ETRBHW	592.9	0.1	0.0	65.0	0.3	0.1	83.2	-0.1	0.4	649.1	0.1	0.4	497.7	-0.4	0.1	
		22.2	18.9		4.0	1.0		-1.6	1.9		13.3	10.6		-31.6	3.4	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
MWZJZE	551.0	-0.1		47.0	-1.2		92.0	0.4		540.0	-0.9		621.0	1.1	
		-19.7	0.0		-14.0	0.0		7.2	0.0		-95.8	0.0		91.7	0.0
X4MT48	595.3	0.1	0.0	70.0	0.7	0.3	86.0	0.1	0.4	692.0	0.5	0.4	527.7	0.0	0.4
		24.6	23.8		9.0	2.0		1.2	2.0		56.2	10.1		-1.6	12.1
RP2M6B	603.0	0.2	0.0	66.3	0.4	0.5	87.9	0.2	0.5	695.3	0.6	0.3	552.3	0.3	0.3
		32.3	24.4		5.3	3.7		3.0	2.3		59.6	7.8		23.0	8.0
4E3UZ3	606.7	0.2	0.0	56.5	-0.4	0.3	104.8	1.1	0.6	688.9	0.5	0.5	596.0	0.8	0.0
		36.0	3.5		-4.5	2.2		19.9	2.5		53.1	12.5		66.7	0.8
6R6KGZ	502.8	-0.4	0.0	67.5	0.5	0.6	75.2	-0.5	2.0	596.1	-0.4	0.5	428.5	-1.2	0.6
		-67.9	11.5		6.5	4.4		-9.7	9.2		-39.7	12.8		-100.8	16.3
EXKAWT	542.0	-0.2	0.0	62.3	0.1	0.2	79.5	-0.3	0.4	634.3	0.0	0.1	467.0	-0.7	0.2
		-28.7	6.2		1.3	1.4		-5.4	2.0		-1.4	2.1		-62.3	5.6
RB2NGE	542.0	-0.2	0.0	62.0	0.1	0.2	75.3	-0.5	0.5	630.0	-0.1	2.1	479.0	-0.6	0.3
		-28.7	16.7		1.0	1.7		-9.5	2.1		-5.8	50.5		-50.3	7.5
ABLFYN	454.7	-0.7	0.0	40.2	-1.7	0.3	45.4	-2.2	0.4	265.5	-3.4	0.1	160.5	-4.3	0.2
		-116.0	12.1		-20.9	2.2		-39.5	1.7		-370.3	2.3		-368.8	6.3
3P8J4X	599.0	0.2	0.0	69.0	0.7	0.4	79.3	-0.3	0.7	707.3	0.7	0.6	586.0	0.7	0.8
		28.3	6.2		8.0	2.6		-5.5	3.2		71.6	15.5		56.7	22.7
R8KGVZ	412.0	-0.9	0.0	60.3	-0.1	0.2	117.7	1.8	0.6	244.7	-3.6	0.2	466.3	-0.7	0.2
		-158.7	3.6		-0.7	1.5		32.8	2.5		-391.1	5.0		-63.0	6.5
JKXUW9	530.0	-0.2	0.1	49.0	-1.0	0.1	86.0	0.1	0.6	583.3	-0.5	1.0	526.7	0.0	0.9
		-40.7	40.0		-12.0	1.0		1.2	2.6		-52.4	25.2		-2.6	25.2
6KMCVP	629.0	0.3	0.0	25.5	-2.9	0.0	47.4	-2.1	0.0	655.3	0.2	0.3	601.2	0.8	0.0
		58.3	3.1		-35.5	0.3		-37.5	0.2		19.5	6.3		71.9	0.9
RG9DW2	665.0	0.5	0.0	80.3	1.6	0.2	85.0	0.0	1.1	648.7	0.1	0.4	549.0	0.2	0.4
		94.3	8.0		19.3	1.5		0.2	5.0		12.9	9.5		19.7	10.0
W44REJ	656.3	0.5	0.1	61.7	0.1	0.9	84.3	0.0	1.9	761.0	1.2	2.3	612.7	1.0	3.8
		85.6	63.1		0.7	6.4		-0.5	8.5		125.2	56.1		83.4	105.6
Grand Median		570.7			61.0			84.8			635.8			529.3	
Median Abs Dev		39.8			6.1			9.6			52.8			53.5	
Avg Within Lab SD		632.2			7.3			4.5			24.2			27.6	
Labs Included		34			34			34			34			34	
Labs Reporting		34			34			34			34			34	



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

	Na Ammonium Acetate (SubTestCode 143)			in the Bases (1:10) Property Groups						Data units: mg/kg					
	SRS1406			SRS1407		SRS1408		SRS1409		SRS1410					
EKCRXX	1,776.7	0.8	2.1	11.3	-0.4	1.0	11.3	-0.3	0.2	25.7	0.8	1.5	12.3	0.0	0.6
		272.3	155.3		-5.0	2.5		-2.1	0.6		7.0	3.5		0.1	1.5
RBZUVM	1,532.0	0.1	1.0	44.7	2.4	2.2	46.3	4.5	2.0	52.6	4.1	1.8	45.7	4.2	1.2
		27.6	70.9		28.4	5.6		32.9	5.3		33.9	4.3		33.4	2.8
YN7FYE	1,785.3	0.9	1.2	22.6	0.5	1.8	8.0	-0.7	0.4	16.5	-0.3	0.7	6.7	-0.7	0.5
		280.9	84.4		6.3	4.4		-5.4	1.2		-2.1	1.7		-5.5	1.2
4TLEHA	1,422.6	-0.3	0.0	50.9	2.9	0.1	16.1	0.4	0.1	18.4	0.0	0.1	12.1	0.0	0.1
		-81.8	0.2		34.5	0.3		2.7	0.2		-0.2	0.2		-0.1	0.3
RLNPWN	1,797.2	0.9	1.4	8.1	-0.7	0.3	10.4	-0.4	0.2	15.8	-0.3	0.2	8.4	-0.5	0.3
		292.8	102.6		-8.2	0.7		-3.0	0.5		-2.9	0.4		-3.8	0.6
ZZZVNF	1,400.7	-0.3	0.9	8.3	-0.7	0.5	8.7	-0.6	0.2	13.3	-0.6	0.2	7.3	-0.6	0.2
		-103.7	64.6		-8.0	1.2		-4.7	0.6		-5.3	0.6		-4.9	0.6
8DFL3A	1,202.0	-0.9	1.0	50.0	2.8	0.8	22.7	1.3	0.6	16.3	-0.3	0.6	9.7	-0.3	0.2
		-302.4	70.1		33.7	2.0		9.3	1.5		-2.3	1.5		-2.6	0.6
3YVF4E	679.3	-2.6	0.1	13.0	-0.3	0.4	10.3	-0.4	0.2	6.7	-1.4	0.2	3.3	-1.1	0.2
		-825.1	3.8		-3.3	1.0		-3.1	0.6		-12.0	0.6		-8.9	0.6
YFBCVH	1,341.3	-0.5	0.4	15.3	-0.1	0.4	14.9	0.2	0.2	18.9	0.0	0.2	12.9	0.1	0.1
		-163.1	25.9		-1.0	0.9		1.5	0.5		0.2	0.6		0.7	0.3
826UYA	1,550.3	0.1	0.2	13.2	-0.3	0.4	9.2	-0.6	0.0	19.9	0.2	0.6	12.5	0.0	0.5
		45.9	17.3		-3.1	1.0		-4.2	0.0		1.3	1.3		0.3	1.2
7XP3B3	1,316.6	-0.6	2.0	18.4	0.2	0.9	20.7	1.0	1.8	26.8	1.0	1.5	16.1	0.5	1.9
		-187.9	142.5		2.1	2.3		7.3	4.6		8.2	3.5		3.8	4.6
WC2FCB	1,484.0	-0.1	0.1	18.7	0.2	0.2	15.3	0.3	0.2	22.3	0.4	0.2	15.3	0.4	0.2
		-20.4	5.3		2.4	0.6		1.9	0.6		3.7	0.6		3.1	0.6
FXU2ZT	1,467.3	-0.1	0.5	6.0	-0.9	0.4	6.7	-0.9	0.2	11.0	-0.9	0.2	6.7	-0.7	0.2
		-37.1	35.2		-10.3	1.0		-6.7	0.6		-7.6	0.0		-5.6	0.6
64X4W7	1,333.0	-0.5	0.0	14.0	-0.2	0.1	16.9	0.5	0.3	14.3	-0.5	0.1	39.1	3.4	0.1
		-171.4	3.0		-2.4	0.2		3.5	0.8		-4.3	0.3		26.9	0.2
HPD69R	1,738.3	0.7	0.3	14.0	-0.2	1.6	12.3	-0.1	1.0	20.3	0.2	1.5	12.3	0.0	0.6
		233.9	23.0		-2.3	4.0		-1.1	2.5		1.7	3.5		0.1	1.5
NLT4RL	1,398.0	-0.3	0.2	25.7	0.8	1.9	17.3	0.5	0.6	27.0	1.0	1.1	23.3	1.4	0.9
		-106.4	13.9		9.4	4.7		3.9	1.5		8.4	2.6		11.1	2.1
MDL89N	781.5	-2.3	0.4	19.7	0.3	0.1	19.8	0.9	0.7	19.5	0.1	2.3	17.6	0.7	1.0
		-722.9	27.7		3.3	0.3		6.4	1.9		0.8	5.4		5.4	2.3
ETRBHW	1,598.6	0.3	2.1	18.8	0.2	0.2	12.8	-0.1	0.6	17.5	-0.1	0.2	10.3	-0.2	0.0
		94.2	148.5		2.5	0.6		-0.6	1.5		-1.2	0.4		-2.0	0.0
MWZJZE	1,066.0	-1.4		11.0	-0.4		14.0	0.1		15.0	-0.4		9.0	-0.4	
		-438.4	0.0		-5.3	0.0		0.6	0.0		-3.6	0.0		-3.2	0.0
RP2M6B	1,736.7	0.7	1.0	12.3	-0.3	0.6	11.0	-0.3	0.2	16.5	-0.3	0.1	9.7	-0.3	0.2
		232.3	72.0		-4.0	1.6		-2.4	0.5		-2.1	0.3		-2.5	0.4



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
4E3UZ3	1,524.8	0.1	0.1	13.1	-0.3	0.1	12.1	-0.2	0.2	29.1	1.3	2.1	10.9	-0.2	0.6
		20.4	10.2		-3.2	0.3		-1.3	0.6		10.4	4.9		-1.4	1.4
6R6KGZ	1,222.1	-0.9	0.3	18.3	0.2	0.7	16.9	0.5	0.9	19.5	0.1	1.6	12.5	0.0	0.6
		-282.3	18.5		2.0	1.6		3.5	2.4		0.8	3.7		0.2	1.4
RB2NGE	2,046.7	1.7	0.8	18.3	0.2	2.3	12.0	-0.2	0.8	25.0	0.8	1.5	14.0	0.2	0.7
		542.3	55.1		2.0	5.8		-1.4	2.0		6.4	3.5		1.8	1.7
ABLFYN	1,541.5	0.1	1.6	10.0	-0.5	0.8	14.1	0.1	2.4	9.2	-1.1	0.0	12.2	0.0	0.2
		37.1	114.3		-6.3	1.9		0.7	6.3		-9.5	0.0		-0.1	0.4
3P8J4X	1,560.0	0.2	0.3	24.0	0.6	0.4	12.0	-0.2	0.8	15.7	-0.4	0.2	9.3	-0.4	1.3
		55.6	20.0		7.7	1.0		-1.4	2.0		-3.0	0.6		-2.9	3.2
JKXUW9	1,400.0	-0.3	1.4	35.3	1.6	1.5	35.0	2.9	2.9	25.3	0.8	0.9	25.7	1.7	3.8
		-104.4	100.0		19.0	3.8		21.6	7.5		6.7	2.1		13.4	9.1
6KMCVP	1,796.1	0.9	0.1	8.5	-0.7	0.1	9.7	-0.5	1.3	11.6	-0.9	0.4	7.6	-0.6	0.2
		291.7	9.1		-7.8	0.3		-3.7	3.4		-7.1	1.0		-4.7	0.4
W44REJ	1,581.3	0.2	1.5	17.3	0.1	1.0	15.3	0.3	0.2	22.3	0.4	0.5	14.7	0.3	1.5
		76.9	110.9		1.0	2.5		1.9	0.6		3.7	1.2		2.4	3.5
Grand Median		1,504.4			16.3			13.4			18.6			12.2	
Median Abs Dev		167.3			4.5			3.0			3.7			3.0	
Avg Within Lab SD		72.3			2.5			2.6			2.4			2.4	
Labs Included		28			28			28			28			28	
Labs Reporting		28			28			28			28			28	



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

Bray Extractable K (SubTestCode 144)	in the Bases (1:10) Property Groups										Data units: mg/kg			
	SRS1406	SRS1407	SRS1408	SRS1409	SRS1410									
2HPU3C	401.9	0.2	121.0	0.6	50.0	0.2	108.4	1.0	185.4	0.4				
		1.8		2.6		0.7		4.8		2.0				
X4MT48	463.3	0.9	161.7	0.3	70.0	0.3	138.3	0.1	199.7	1.4				
		8.1		1.2		1.0		0.6		7.4				
W44REJ	467.7	1.5	153.7	1.6	77.7	1.7	139.0	1.4	199.3	1.0				
		13.8		7.0		6.0		7.2		5.1				
Grand Median	463.3		153.7		70.0		138.3		199.3					
Median Abs Dev														
Avg Within Lab SD	9.3		4.4		3.5		5.0		5.3					
Labs Included	3		3		3		3		3					
Labs Reporting	3		3		3		3		3					



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

K- Bicarb. (SubTestCode 145)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
MFBFHP	572.7	0.7	160.7	1.0	101.3	0.9	159.7	0.9	265.0	1.1	
		10.5		3.2		1.5		2.9		7.8	
NF8BH8	569.7	1.2	167.0	1.0	98.4	1.1	147.5	1.1	240.3	0.8	
		18.0		3.1		1.9		3.3		5.8	
Grand Median	571.2		163.8		99.8		153.6		252.7		
Median Abs Dev											
Avg Within Lab SD	14.8		3.2		1.7		3.1		6.9		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



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

K Modified Morgan (SubTestCode 146)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
RDUHG4	613.7	1.0 11.7	138.0	1.0 12.5	97.3	1.0 3.8	195.7	1.0 7.5	287.7	1.0 2.1	
Grand Median	613.7		138.0		97.3		195.7		287.7		
Median Abs Dev											
Avg Within Lab SD	11.7		12.5		3.8		7.5		2.1		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Ca Modified Morgan (SubTestCode 147)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
RDUHG4	12,230.3	1.0 449.3	434.0	1.0 55.1	1,030.7	1.0 22.2	3,814.0	1.0 214.3	2,829.0	1.0 66.1	
Grand Median	12,230.3		434.0		1,030.7		3,814.0		2,829.0		
Median Abs Dev											
Avg Within Lab SD	449.3		55.1		22.2		214.3		66.1		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Aluminum KCL Extr. (SubTestCode 148)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
MFBFHP	0.37	0.00	3.70	0.02	0.40	0.01	0.23	0.00	0.20	0.01	
		0.06		0.53		0.10		0.06		0.10	
		1.73		0.01		0.01		0.00		0.00	
YN7FYE	94.27	162.58	1.68	0.18	0.58	0.09	0.12	0.01	0.29	0.01	
		0.15		1.73		1.73		1.73		1.73	
ABLFYN	146.18	13.97	442.96	45.70	262.66	30.67	309.40	22.36	341.41	30.08	
Grand Median	94.3		3.70		0.58		0.23		0.29		
Median Abs Dev											
Avg Within Lab SD	94.2		26.38		17.71		12.91		17.37		
Labs Included	3		3		3		3		3		
Labs Reporting	3		3		3		3		3		



ALP Program - Participant Web Summary Report - Cycle 24

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

Mehlich-1, P (SubTestCode 149)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
VDXCLE	213.4	0.2	0.3	19.3	-0.2	0.6	22.1	-0.4	0.2	43.4	-0.8	0.6	39.1	-0.7	0.2
		4.5	2.7		-0.2	0.5		-1.3	0.1		-4.6	0.6		-6.2	0.3
ZV7WC6	204.4	-0.2	1.7	20.8	1.1	1.7	27.5	1.3	1.8	49.2	0.2	0.6	52.2	0.8	0.1
		-4.5	16.3		1.4	1.3		4.1	1.2		1.2	0.5		6.9	0.2
73MLCZ	235.3	1.0	0.8	19.7	0.2	0.7	24.7	0.4	0.9	55.7	1.4	0.6	51.0	0.6	1.1
		26.4	7.6		0.2	0.6		1.3	0.6		7.7	0.6		5.8	2.0
3C6QXV	171.7	-1.4	0.7	17.8	-1.3	0.4	21.5	-0.6		46.8	-0.2	1.7	39.5	-0.6	1.7
		-37.3	7.0		-1.6	0.3		-1.9	0.0		-1.2	1.6		-5.8	3.1
Grand Median	208.9			19.5			23.4			48.0			45.3		
Median Abs Dev	15.5			0.8			1.6			2.9			6.0		
Avg Within Lab SD	9.7			0.8			0.7			0.9			1.9		
Labs Included	4			4			4			4			4		
Labs Reporting	4			4			4			4			4		



ALP Program - Participant Web Summary Report - Cycle 24

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

Mehlich-1, K (SubTestCode 150)	in the Mehlich-1 Multi Element (scoop) Property Groups															Data units: mg/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
VDXCLE	220.5	-0.1	0.1	150.6	0.5	0.2	74.0	0.2	0.0	105.9	-0.2	0.1	185.8	0.1	0.1	
		-3.6	1.7		6.0	0.5		3.7	0.0		-1.9	0.2		1.4	0.8	
ZV7WC6	237.7	0.5	0.5	133.3	-0.9	0.7	99.7	1.5	1.9	128.2	1.8	1.3	183.5	-0.1	0.9	
		13.6	14.6		-11.3	2.5		29.4	7.2		20.4	3.4		-0.9	4.8	
73MLCZ	227.7	0.1	0.3	138.7	-0.5	1.5	54.0	-0.8	0.7	102.0	-0.5	0.8	159.3	-2.4	0.8	
		3.6	10.7		-6.0	5.0		-16.2	2.6		-5.8	2.0		-25.1	4.6	
3C6QXV	175.5	-1.9	1.9	156.5	0.9	1.1	66.5	-0.2	0.2	109.7	0.2	1.3	185.3	0.1	1.6	
		-48.6	61.9		11.9	3.9		-3.7	0.9		1.9	3.2		0.9	9.0	
Grand Median		224.1		144.6			70.2			107.8			184.4			
Median Abs Dev		8.6		8.6			10.0			3.8			1.2			
Avg Within Lab SD		32.3		3.4			3.9			2.6			5.6			
Labs Included		4		4			4			4			4			
Labs Reporting		4		4			4			4			4			



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

Mehlich-1, Ca (SubTestCode 151)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
VDXCLE	4,258.9	-0.3	1.1	717.2	0.7	0.4	1,057.1	0.2	0.0	3,125.2	0.5	0.0	2,859.0	1.1	0.1
		-145.6	119.6		12.4	10.9		83.9	5.4		41.9	2.6		249.5	7.1
ZV7WC6	4,526.7	0.3	1.0	718.3	0.7	1.3	1,826.7	2.0	2.0	2,928.3	-1.9	1.3	2,453.0	-0.7	0.4
		122.2	109.2		13.6	33.5		853.4	649.7		-155.0	94.5		-156.5	45.5
73MLCZ	5,260.7	1.9	1.3	691.7	-0.7	0.8	848.7	-0.3	0.1	3,097.3	0.2	1.4	2,516.3	-0.4	1.6
		856.2	147.5		-13.1	20.0		-124.6	35.8		14.0	101.5		-93.2	193.5
3C6QXV	4,282.3	-0.3	0.3	692.3	-0.7	1.3	889.3	-0.2	0.1	3,069.3	-0.2	0.5	2,702.7	0.4	1.2
		-122.2	34.0		-12.4	34.2		-83.9	19.1		-14.0	36.8		93.2	149.0
Grand Median	4,404.5			704.7			973.2			3,083.3			2,609.5		
Median Abs Dev	133.9			12.7			104.2			27.9			124.8		
Avg Within Lab SD	110.8			26.5			325.5			71.8			124.3		
Labs Included	4			4			4			4			4		
Labs Reporting	4			4			4			4			4		



ALP Program - Participant Web Summary Report - Cycle 24

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

Mehlich-1, Mg (SubTestCode 152)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
VDXCLE	515.7	0.4	0.5	64.8	-0.7	0.1	90.3	0.3	0.0	505.8	1.5	0.2	731.3	1.8	0.0
		11.9	9.4		-1.4	0.2		4.6	0.0		27.4	2.7		86.6	0.9
ZV7WC6	492.0	-0.4	1.8	67.5	0.7	1.0	106.3	1.4	0.2	473.3	-0.3	1.3	638.0	-0.1	0.4
		-11.9	33.0		1.4	2.6		20.7	0.6		-5.0	18.5		-6.7	17.8
73MLCZ	544.7	1.4	0.5	65.0	-0.6	1.5	75.7	-0.7	1.9	468.0	-0.6	1.4	615.0	-0.6	1.5
		40.8	9.5		-1.2	4.0		-10.0	5.5		-10.3	19.7		-29.7	63.8
3C6QXV	487.3	-0.5	0.2	67.3	0.6	0.8	81.0	-0.3	0.5	483.3	0.3	0.4	651.3	0.1	1.3
		-16.5	4.0		1.2	2.1		-4.6	1.3		5.0	5.1		6.7	53.4
Grand Median		503.9		66.2			85.6			478.3			644.7		
Median Abs Dev		14.2		1.3			7.3			7.7			18.2		
Avg Within Lab SD		17.9		2.6			2.8			13.8			42.5		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

Mehlich-1, Mn (SubTestCode 153)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
VDXCLE	7.7	0.1	0.2	15.8	-0.3	0.1	23.6	-0.2	0.1	54.8	1.4	0.2	37.8	1.1	0.3
		0.1	0.1		-0.7	0.2		-0.3	0.2		5.7	0.5		2.6	0.7
ZV7WC6	7.5	-0.1	1.6	14.9	-0.6	0.2	24.2	0.2	0.3	47.1	-0.5	0.5	33.6	-0.7	0.2
		-0.1	0.7		-1.6	0.3		0.3	0.3		-2.0	1.2		-1.6	0.4
73MLCZ	9.0	1.1	1.1	17.2	0.3	0.9	20.4	-2.0	1.6	47.4	-0.4	1.5	34.1	-0.5	1.2
		1.4	0.5		0.7	1.4		-3.5	1.7		-1.7	3.9		-1.1	2.6
3C6QXV	5.7	-1.5	0.6	20.3	1.5	1.8	24.5	0.3	1.2	50.8	0.4	1.2	36.3	0.5	1.5
		-2.0	0.3		3.8	2.8		0.6	1.3		1.7	2.9		1.1	3.3
Grand Median		7.63			16.5			23.9			49.1			35.2	
Median Abs Dev		0.76			1.2			0.5			1.9			1.4	
Avg Within Lab SD		0.45			1.6			1.1			2.5			2.2	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	



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

Mehlich-1, Zn (SubTestCode 154)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
VDXCLE	0.82	0.27	0.14	1.05	0.04	0.70	1.64	0.24	0.52	2.03	-0.27	0.52	2.28	0.45	1.50
		0.11	0.01		0.01	0.02		0.10	0.02		-0.07	0.02		0.16	0.09
ZV7WC6	1.13	1.05	1.95	1.44	1.92	0.91	2.16	1.49	0.53	2.58	1.90	0.48	2.59	1.35	0.70
		0.42	0.13		0.40	0.03		0.62	0.02		0.48	0.02		0.47	0.04
73MLCZ	0.60	-0.27	0.00	0.90	-0.68	0.00	1.23	-0.72	1.31	2.17	0.27	1.32	1.97	-0.45	1.01
		-0.11	0.00		-0.14	0.00		-0.30	0.06		0.07	0.06		-0.16	0.06
3C6QXV	0.27	-1.11	0.44	1.03	-0.04	1.64	1.43	-0.24	1.31	2.03	-0.27	1.32	1.97	-0.45	0.50
		-0.44	0.03		-0.01	0.06		-0.10	0.06		-0.07	0.06		-0.16	0.03
Grand Median		0.71			1.04			1.54			2.10			2.12	
Median Abs Dev		0.26			0.08			0.20			0.07			0.16	
Avg Within Lab SD		0.07			0.04			0.04			0.04			0.06	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	



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

Mehlich-3, Scoop Density (SubTestCode 155)			in the Mehlich-3 Multi-Element Property Groups												Data units: g/cm3	
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	0.97	-1.13	0.24	1.11	-0.50	0.49	0.75	-0.69	0.33	0.99	-1.03	0.30	0.84	-0.79	0.06	
		-0.18	0.02		-0.10	0.01		-0.16	0.02		-0.21	0.01		-0.17	0.00	
YFBCVH	1.08	-0.42	0.02	1.20	-0.06	0.28	0.85	-0.24	0.10	1.08	-0.61	0.10	0.93	-0.37	0.25	
		-0.07	0.00		-0.01	0.01		-0.06	0.01		-0.12	0.00		-0.08	0.01	
VDXCLE	1.23	0.48	0.09	1.32	0.57	0.42	1.10	0.80	0.35	1.26	0.28	0.36	1.19	0.85	0.67	
		0.08	0.01		0.11	0.01		0.19	0.02		0.06	0.02		0.18	0.03	
WHN7Y7	1.13	-0.13	0.16	1.21	0.00	0.49	0.91	0.00	0.00	1.11	-0.43	0.14	0.98	-0.16	1.02	
		-0.02	0.01		0.00	0.01		0.00	0.00		-0.09	0.01		-0.03	0.04	
MWZJZE	1.30	0.92		1.49	1.43		0.94	0.12		1.29	0.47		1.09	0.40		
		0.15	0.00		0.29	0.00		0.03	0.00		0.09	0.00		0.08	0.00	
LXWEBH	1.15	0.00	3.26	1.15	-0.28	2.93	1.16	1.09	3.24	1.20	0.00	3.20	1.08	0.31	3.04	
		0.00	0.21		-0.06	0.07		0.25	0.19		0.00	0.14		0.07	0.12	
RP2M6B	1.20	0.34	0.46	1.35	0.72	0.73	0.94	0.13	0.17	1.24	0.22	0.60	1.01	0.00	0.25	
		0.05	0.03		0.14	0.02		0.03	0.01		0.04	0.03		0.00	0.01	
RB2NGE	1.05	-0.63	0.00	1.11	-0.51	0.00	0.76	-0.64	0.00	1.01	-0.95	0.00	0.75	-1.22		
		-0.10	0.00		-0.10	0.00		-0.15	0.00		-0.19	0.00		-0.26	0.00	
7EE8HV	1.01	-0.88	0.00	1.14	-0.32	0.12	0.71	-0.85	0.19	1.01	-0.96	0.25	0.84	-0.80	0.13	
		-0.14	0.00		-0.06	0.00		-0.20	0.01		-0.19	0.01		-0.17	0.01	
8B969K	1.22	0.42	0.24	1.28	0.38	1.06	0.89	-0.07	0.42	1.27	0.37	0.27	1.03	0.08	0.39	
		0.07	0.02		0.08	0.03		-0.02	0.03		0.07	0.01		0.02	0.02	
2TTR8F	1.48	2.07		1.74	2.66		1.56	2.79		1.62	2.10		1.53	2.45		
		0.33	0.00		0.53	0.00		0.65	0.00		0.42	0.00		0.52	0.00	
Grand Median		1.15		1.21			0.91			1.20			1.01			
Median Abs Dev		0.08		0.10			0.15			0.09			0.08			
Avg Within Lab SD		0.06		0.02			0.06			0.04			0.04			
Labs Included		11		11			11			11			11			
Labs Reporting		11		11			11			11			11			



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

Mehlich-3, P	Colorimetric (SubTestCode 156)			in the Mehlich-3 Multi-Element Property Groups										Data units: mg/kg	
	SRS1406	SRS1407	SRS1408	SRS1409	SRS1410		SRS1410		SRS1410		SRS1410				
YN7FYE	452.7	0.0	2.8	59.0	1.2	1.0	48.5	1.0	1.3	65.7	1.8	1.4	84.5	0.9	0.7
		-7.0	277.4		9.4	1.5		4.7	2.4		15.7	2.4		10.7	1.7
YFBCVH	378.7	-0.5	0.1	50.7	0.1	0.4	44.3	0.1	0.6	54.3	0.5	0.7	76.0	0.2	0.4
		-81.0	6.7		1.0	0.6		0.5	1.2		4.3	1.2		2.2	1.0
NLT4RL	702.0	1.6	0.1	55.3	0.7	0.4	45.0	0.2	1.1	55.0	0.6	0.6	71.7	-0.2	0.2
		242.3	13.5		5.7	0.6		1.2	2.0		5.0	1.0		-2.2	0.6
LXWEBH	466.7	0.0	0.2	48.7	-0.1	0.4	43.3	-0.1	0.6	48.0	-0.2	0.6	96.7	1.9	2.4
		7.0	15.3		-1.0	0.6		-0.5	1.2		-2.0	1.0		22.8	5.8
MD6QFG	145.0	-2.1		46.0	-0.5		36.0	-1.6		41.0	-1.0		62.0	-1.0	
		-314.7	0.0		-3.7	0.0		-7.8	0.0		-9.0	0.0		-11.8	0.0
UBVBN3	510.0	0.3		45.0	-0.6	1.1	38.2	-1.2	0.3	44.0	-0.7	0.5	67.2	-0.6	0.8
		50.3	0.0		-4.7	1.5		-5.7	0.6		-6.0	0.9		-6.7	2.0
WRRHVZ	521.3	0.4	0.0	47.2	-0.3	0.5	41.2	-0.5	0.2	47.2	-0.3	0.4	70.3	-0.3	0.3
		61.7	3.2		-2.5	0.8		-2.6	0.3		-2.8	0.8		-3.6	0.6
3P8J4X	418.3	-0.3	0.3	63.7	1.8	2.3	47.0	0.7	2.0	52.0	0.2	2.1	78.3	0.4	0.9
		-41.3	29.7		14.0	3.2		3.2	3.6		2.0	3.6		4.5	2.1
Grand Median		459.7			49.7			43.8			50.0			73.8	
Median Abs Dev		56.0			4.2			2.9			4.7			5.6	
Avg Within Lab SD		98.9			1.4			1.8			1.7			2.4	
Labs Included		8			8			8			8			8	
Labs Reporting		8			8			8			8			8	



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

Mehlich-3, P	ICP-AES (SubTestCode 157)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
XQBLZF	567.0	0.2	0.5	54.8	0.3	2.7	51.7	0.0	0.4	56.0	0.0	0.3	75.8	-0.3	0.8			
		17.8	6.5		1.3	3.5		-0.1	0.8		0.5	0.5		-3.0	1.8			
EKCRXX	633.2	1.1	1.7	61.2	1.7	1.6	59.5	1.1	1.3	63.3	0.6	1.2	91.4	1.1	1.8			
		84.0	20.1		7.7	2.0		7.7	2.8		7.8	2.2		12.6	3.8			
2HPU3C	634.3	1.1	0.4	55.8	0.5	0.2	54.8	0.4	0.1	59.9	0.3	0.5	82.8	0.4	0.2			
		85.2	4.2		2.3	0.2		3.1	0.3		4.4	0.8		4.0	0.4			
77XW3A	517.2	-0.4	0.6	52.0	-0.3	0.7	46.3	-0.8	0.3	52.5	-0.2		77.2	-0.1	0.9			
		-32.0	6.8		-1.5	0.9		-5.4	0.6		-3.0	0.0		-1.6	2.0			
ZZZVNF	556.2	0.1	1.1	54.9	0.3	1.5	48.2	-0.5	1.3	46.6	-0.7	1.2	73.2	-0.5	1.2			
		7.1	13.4		1.4	2.0		-3.5	2.9		-8.9	2.1		-5.5	2.7			
KCWYAU	567.7	0.2	0.4	55.7	0.5	1.2	53.0	0.2	0.8	61.7	0.5	0.3	81.7	0.3	1.4			
		18.5	4.2		2.2	1.5		1.3	1.7		6.2	0.6		2.9	3.1			
3YVF4E	511.7	-0.5	0.1	54.3	0.2	0.9	49.7	-0.3	0.7	54.3	-0.1	1.1	76.3	-0.2	0.7			
		-37.5	1.2		0.8	1.2		-2.1	1.5		-1.2	2.1		-2.4	1.5			
2VXC28	481.7	-0.9	0.2	46.0	-1.6	0.0	46.0	-0.8	0.1	50.4	-0.4	0.1	69.1	-0.9	0.0			
		-67.5	2.7		-7.5	0.1		-5.7	0.2		-5.1	0.1		-9.7	0.0			
VDXCLE	593.0	0.6	0.1	57.5	0.9	0.1	56.7	0.7	0.1	63.5	0.6	0.2	85.6	0.6	0.3			
		43.8	1.7		4.0	0.1		4.9	0.2		8.0	0.3		6.8	0.7			
ZBBL2B	536.6	-0.2	0.1	50.5	-0.6	0.1	52.7	0.1	0.1	54.3	-0.1	0.2	76.3	-0.2	0.1			
		-12.6	1.5		-3.0	0.1		1.0	0.1		-1.2	0.4		-2.5	0.2			
H2Q66K	510.6	-0.5	0.5	50.7	-0.6	0.4	46.5	-0.7	0.7	50.5	-0.4	1.1	67.9	-1.0	1.2			
		-38.6	6.1		-2.8	0.5		-5.3	1.5		-5.0	1.9		-10.9	2.5			
WHN7Y7	515.0	-0.5	0.9	50.3	-0.7	0.9	54.0	0.3	2.4	54.7	-0.1	1.8	85.0	0.6	0.8			
		-34.2	11.0		-3.2	1.2		2.3	5.2		-0.8	3.2		6.2	1.7			
MWZJZE	478.0	-0.9		43.0	-2.3		50.0	-0.2		45.0	-0.8		89.0	0.9				
		-71.2	0.0		-10.5	0.0		-1.7	0.0		-10.5	0.0		10.2	0.0			
RP2M6B	535.7	-0.2	0.5	57.1	0.8	0.8	53.0	0.2	0.4	54.9	0.0	0.2	78.3	0.0	0.3			
		-13.5	5.9		3.6	1.0		1.3	1.0		-0.6	0.4		-0.4	0.7			
6RLVVY	97.9	-6.0		48.8	-1.0		41.8	-1.4		172.2	8.6		43.6	-3.1				
		-451.2	0.0		-4.8	0.0		-10.0	0.0		116.7	0.0		-35.1	0.0			
EXKAWT	536.3	-0.2	0.0	55.3	0.4	0.6	48.8	-0.4	0.3	53.6	-0.1	0.3	74.1	-0.4	0.5			
		-12.8	0.6		1.8	0.8		-2.9	0.6		-1.9	0.5		-4.6	1.2			
LJER2K	552.7	0.0	0.3	52.3	-0.3	0.2	50.7	-0.1	0.1	54.3	-0.1	0.4	78.6	0.0	0.6			
		3.5	3.1		-1.3	0.2		-1.0	0.2		-1.2	0.8		-0.2	1.2			
RB2NGE	515.3	-0.4	1.1	51.9	-0.3	0.9	44.4	-1.0	0.2	50.7	-0.4	0.1	70.4	-0.7	0.7			
		-33.9	13.6		-1.6	1.2		-7.3	0.5		-4.8	0.2		-8.3	1.6			
TZYQ96	567.6	0.2	0.3	52.2	-0.3	1.1	67.2	2.2	1.2	70.6	1.1	1.1	95.5	1.5	1.0			
		18.4	3.1		-1.4	1.4		15.5	2.7		15.1	2.0		16.8	2.2			
7EE8HV	584.1	0.5	0.1	50.9	-0.6	0.2	74.0	3.2	0.4	59.8	0.3	0.3	97.9	1.7	0.3			
		34.9	1.5		-2.7	0.3		22.3	0.9		4.3	0.5		19.1	0.7			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
72RZLU	527.9	-0.3	0.4	53.8	0.1	0.2	51.8	0.0	0.1	55.0	0.0	0.6	78.9	0.0	0.4
		-21.3	5.2		0.2	0.3		0.1	0.3		-0.5	1.0		0.2	0.9
8B969K	622.3	1.0	0.4	59.3	1.2	0.6	59.2	1.1	0.2	67.2	0.9	0.3	90.8	1.1	0.6
		73.2	4.8		5.8	0.8		7.4	0.4		11.7	0.5		12.0	1.4
83HJ3L	606.7	0.8	1.3	53.3	-0.1	0.9	54.7	0.4	0.8	63.4	0.6	1.2	86.5	0.7	0.7
		57.5	15.7		-0.2	1.2		3.0	1.7		7.9	2.1		7.8	1.5
RDUHG4	575.7	0.4	0.2	55.3	0.4	0.9	50.7	-0.2	2.6	59.3	0.3	1.8	82.3	0.3	0.7
		26.5	2.1		1.8	1.2		-1.1	5.5		3.8	3.2		3.6	1.5
W44REJ	571.9	0.3	4.0	56.8	0.7	2.2	58.3	0.9	2.3	60.8	0.4	3.2	87.3	0.8	3.3
		22.7	47.3		3.3	2.8		6.6	4.9		5.3	5.8		8.5	7.1
WUD89L	545.7	0.0	0.2	48.6	-1.1	0.5	50.5	-0.2	0.5	56.8	0.1	0.7	77.9	-0.1	0.7
		-3.5	2.1		-4.9	0.7		-1.2	1.0		1.3	1.4		-0.8	1.6
Grand Median		549.2			53.5			51.7			55.5			78.8	
Median Abs Dev		32.9			2.5			3.0			4.6			5.9	
Avg Within Lab SD		11.9			1.3			2.1			1.8			2.2	
Labs Included		26			26			26			26			26	
Labs Reporting		26			26			26			26			26	



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

Mehlich-3, K (SubTestCode 158)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRS1406		SRS1407			SRS1408			SRS1409			SRS1410				
XQBLZF	622.0	-0.1	0.5	193.5	0.2	1.2	81.8	-0.1	0.2	204.7	-0.1	0.5	255.5	-0.4	0.2	
		-11.7	9.5		8.5	9.7		-1.1	0.8		-2.5	3.5		-12.3	2.3	
EKCRXX	762.8	1.3	1.1	209.0	0.7	0.9	93.5	0.7	1.0	246.4	1.7	0.3	324.2	1.7	1.4	
		129.1	21.9		24.0	7.1		10.6	4.5		39.2	2.5		56.5	13.6	
2HPU3C	762.2	1.3	0.5	198.6	0.4	0.1	94.9	0.8	0.6	235.6	1.2	0.2	327.2	1.8	0.1	
		128.5	10.1		13.6	0.6		12.0	2.5		28.5	1.5		59.4	1.1	
77XW3A	633.7	0.0	1.1	183.7	0.0	0.2	78.3	-0.3	0.3	216.8	0.4	0.3	267.5	0.0	0.5	
		0.0	20.7		-1.3	1.4		-4.6	1.4		9.7	2.0		-0.3	4.4	
KCWYAU	715.3	0.8	0.5	199.3	0.4	1.1	79.7	-0.2	1.9	234.3	1.2	0.7	280.3	0.4	1.3	
		81.7	8.6		14.3	8.5		-3.2	8.4		27.2	5.1		12.6	13.1	
3YVF4E	545.3	-0.9	1.9	157.7	-0.8	1.8	68.3	-0.9	1.7	184.0	-1.0	1.1	241.0	-0.8	2.8	
		-88.3	36.5		-27.3	14.4		-14.6	7.6		-23.2	8.0		-26.8	27.5	
YFBCVH	692.3	0.6	0.6	182.7	-0.1	0.3	77.0	-0.4	0.8	209.3	0.1	0.5	296.0	0.9	1.5	
		58.7	11.5		-2.3	2.5		-5.9	3.6		2.2	3.8		28.3	14.5	
2VXC28	582.0	-0.5	0.2	162.4	-0.6	0.1	75.4	-0.5	0.1	195.9	-0.5	0.0	239.9	-0.9	0.2	
		-51.7	2.9		-22.6	0.6		-7.5	0.5		-11.2	0.3		-27.9	1.5	
VDXCLE	724.8	0.9	0.1	200.8	0.4	0.2	107.9	1.6	0.0	251.9	1.9	0.2	319.6	1.6	0.5	
		91.1	1.1		15.8	1.2		25.0	0.1		44.8	1.6		51.9	4.4	
ZBBL2B	616.9	-0.2	0.1	165.3	-0.6	0.1	75.1	-0.5	0.0	197.6	-0.4	0.0	254.0	-0.4	0.2	
		-16.8	2.0		-19.7	0.8		-7.8	0.1		-9.5	0.2		-13.8	1.7	
H2Q66K	656.8	0.2	0.2	206.8	0.6	1.0	85.1	0.1	0.4	205.3	-0.1	1.5	263.7	-0.1	0.5	
		23.2	4.5		21.8	7.5		2.2	1.9		-1.9	11.3		-4.1	4.5	
WHN7Y7	606.7	-0.3	1.6	158.3	-0.7	0.7	99.3	1.1	0.9	199.7	-0.3	0.2	289.3	0.7	1.1	
		-27.0	29.7		-26.7	5.7		16.4	4.0		-7.5	1.5		21.6	11.0	
MWZJZE	586.0	-0.5		151.0	-0.9		82.0	-0.1		172.0	-1.5		231.0	-1.1		
		-47.7	0.0		-34.0	0.0		-0.9	0.0		-35.2	0.0		-36.8	0.0	
LXWEBH	629.3	0.0	0.2	187.7	0.1	1.0	82.3	0.0	1.6	205.0	-0.1	0.6	268.0	0.0	0.1	
		-4.3	3.2		2.7	7.6		-0.6	7.2		-2.2	4.4		0.3	1.0	
RP2M6B	636.3	0.0	0.6	185.0	0.0	0.6	81.4	-0.1	0.8	208.3	0.1	0.2	270.3	0.1	0.2	
		2.7	11.0		0.0	4.6		-1.5	3.4		1.2	1.5		2.6	1.5	
MD6QFG	650.0	0.2		192.0	0.2		84.0	0.1		206.0	-0.1		270.0	0.1		
		16.3	0.0		7.0	0.0		1.1	0.0		-1.2	0.0		2.3	0.0	
6RLVVY	217.5	-4.3		527.0	9.6		203.2	7.7		216.3	0.4		317.6	1.5		
		-416.2	0.0		342.0	0.0		120.3	0.0		9.1	0.0		49.8	0.0	
EXKAWT	627.7	-0.1	0.1	186.3	0.0	0.4	87.3	0.3	0.3	204.3	-0.1	0.5	241.7	-0.8	0.4	
		-6.0	1.2		1.3	3.1		4.4	1.4		-2.8	3.8		-26.1	4.0	
LJER2K	596.2	-0.4	0.1	181.3	-0.1	0.4	74.2	-0.6	0.6	169.2	-1.7	0.1	238.0	-0.9	0.2	
		-37.5	2.8		-3.7	3.2		-8.7	2.7		-38.0	1.0		-29.8	2.0	
RB2NGE	538.7	-1.0	2.7	177.3	-0.2	1.5	76.3	-0.4	0.9	189.3	-0.8	1.6	225.7	-1.3	1.1	
		-95.0	50.9		-7.7	11.7		-6.6	4.2		-17.8	12.1		-42.1	10.7	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
TZYQ96	547.1	-0.9	0.2	130.5	-1.5	0.9	69.1	-0.9	0.8	223.7	0.7	2.1	246.7	-0.6	0.6
		-86.6	4.6		-54.5	6.8		-13.8	3.4		16.5	15.6		-21.0	5.6
UBVBN3	680.0	0.5	0.5	184.7	0.0	0.3	89.3	0.4	0.5	203.3	-0.2	0.2	270.7	0.1	0.1
		46.3	10.0		-0.3	2.3		6.4	2.3		-3.8	1.2		2.9	1.2
WRRHVZ	727.7	1.0	0.1	183.2	-0.1	0.2	87.5	0.3	0.3	212.8	0.2	0.2	263.4	-0.1	0.2
		94.0	2.5		-1.8	1.8		4.6	1.2		5.6	1.3		-4.3	1.5
7EE8HV	828.5	2.0	0.1	206.6	0.6	2.9									
		194.8	1.5		21.6	22.3									
3P8J4X	625.3	-0.1	1.4	188.7	0.1	2.4	79.0	-0.2	2.0	197.0	-0.4	3.2	263.0	-0.1	3.1
		-8.3	27.3		3.7	18.6		-3.9	8.7		-10.2	23.4		-4.8	30.3
72RZLU	640.9	0.1	0.5	191.9	0.2	0.7	83.5	0.0	0.1	218.2	0.5	0.4	283.8	0.5	0.4
		7.3	8.9		6.9	5.8		0.6	0.4		11.0	2.8		16.1	4.3
8B969K	768.0	1.4	0.2	208.8	0.7	0.4	89.0	0.4	0.6	256.7	2.1	0.4	318.7	1.6	0.2
		134.4	4.6		23.8	3.2		6.1	2.7		49.5	2.8		50.9	2.0
83HJ3L	611.3	-0.2	0.3	203.0	0.5	0.3	102.3	1.2	0.8	230.0	1.0	0.5	309.3	1.3	0.4
		-22.3	5.7		18.0	2.6		19.4	3.5		22.8	3.6		41.6	3.5
RDUHG4	647.3	0.1	1.8	183.7	0.0	0.5	81.7	-0.1	1.9	219.3	0.5	1.7	266.3	0.0	0.5
		13.7	34.2		-1.3	3.8		-1.2	8.6		12.2	12.9		-1.4	4.9
W44REJ	678.3	0.5	2.8	173.9	-0.3	1.6	83.7	0.1	2.5	210.9	0.2	2.0	272.4	0.1	1.4
		44.7	52.9		-11.1	12.5		0.8	10.9		3.7	14.7		4.7	14.0
WUD89L	586.7	-0.5	0.5	176.0	-0.3	0.2	86.8	0.2	0.3	191.3	-0.7	0.2	261.3	-0.2	0.3
		-47.0	9.6		-9.0	1.7		3.9	1.5		-15.8	1.2		-6.4	2.5
Grand Median		633.7			185.0			82.9			207.2			267.8	
Median Abs Dev		46.3			11.1			5.3			10.6			18.5	
Avg Within Lab SD		19.1			7.8			4.4			7.4			9.8	
Labs Included		31			31			30			30			30	
Labs Reporting		31			31			30			30			30	



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

Mehlich-3, Ca (SubTestCode 159)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRS1406		SRS1407			SRS1408			SRS1409			SRS1410				
XQBLZF	6,512.5	0.7	0.3	676.8	-0.2	1.2	870.7	-0.4	1.0	4,309.7	0.1	0.2	2,364.0	-0.7	0.0	
		619.4	47.5		-27.0	37.4		-64.8	36.1		35.3	73.9		-277.5	3.0	
EKCRXX	6,034.4	0.1	0.9	803.4	0.8	2.5	1,032.7	0.6	1.0	4,664.0	0.6	0.2	2,813.4	0.4	1.9	
		141.3	167.1		99.6	80.4		97.2	33.7		389.7	79.3		171.9	159.4	
2HPU3C	7,564.7	1.8	0.1	845.0	1.1	0.0	1,237.6	1.7	0.7	5,273.0	1.4	0.0	3,439.7	2.0	0.6	
		1,671.6	9.9		141.1	1.4		302.1	25.8		998.7	8.9		798.2	48.2	
77XW3A	5,820.0	-0.1	0.2	658.3	-0.4	0.2	866.7	-0.4	0.4	4,367.2	0.1	0.1	2,596.2	-0.1	0.6	
		-73.1	37.7		-45.5	6.0		-68.8	14.6		92.8	39.6		-45.3	54.5	
KCWYAU	6,058.0	0.2	0.0	757.0	0.4	1.0	931.7	0.0	0.5	4,536.0	0.4	0.2	2,583.3	-0.1	0.5	
		164.9	9.2		53.1	32.0		-3.8	18.0		261.7	64.8		-58.2	43.3	
3YVF4E	6,074.7	0.2	0.1	743.7	0.3	1.6	939.3	0.0	1.3	4,524.3	0.4	0.0	2,753.0	0.3	1.7	
		181.6	20.8		39.8	49.6		3.8	45.1		250.0	10.5		111.5	143.1	
2VXC28	5,014.7	-0.9	0.3	690.9	-0.1	0.3	873.4	-0.4	0.0	3,817.6	-0.7	0.0	2,263.5	-1.0	0.2	
		-878.5	56.4		-13.0	9.4		-62.1	1.0		-456.8	5.7		-378.0	19.2	
VDXCLE	5,873.2	0.0	0.2	756.1	0.4	0.2	1,225.3	1.7	0.1	4,766.0	0.7	0.1	3,217.7	1.5	0.5	
		-19.9	33.2		52.2	5.5		289.8	4.5		491.7	28.8		576.2	44.8	
ZBBL2B	5,151.7	-0.8	0.0	600.2	-0.8	0.0	848.6	-0.5	0.0	4,045.1	-0.3	0.0	2,416.2	-0.6	0.0	
		-741.4	4.1		-103.7	1.3		-86.9	0.2		-229.2	8.6		-225.3	3.8	
H2Q66K	5,013.0	-0.9	0.8	772.3	0.5	1.0	982.5	0.3	0.6	4,144.3	-0.2	0.3	2,501.3	-0.4	0.6	
		-880.1	147.0		68.5	32.7		47.0	21.8		-130.0	87.5		-140.2	50.8	
WHN7Y7	5,093.0	-0.8	0.9	635.7	-0.5	2.2	1,130.7	1.1	1.6	4,012.0	-0.4	0.0	2,752.7	0.3	1.3	
		-800.1	163.7		-68.2	70.5		195.2	54.4		-262.3	17.3		111.2	113.1	
MWZJZE	6,261.0	0.4		598.0	-0.8		923.0	-0.1		3,777.0	-0.7		3,214.0	1.4		
		367.9	0.0		-105.9	0.0		-12.5	0.0		-497.3	0.0		572.5	0.0	
LXWEBH	6,175.7	0.3	2.2	774.0	0.6	0.3	1,008.0	0.4	1.7	4,750.7	0.7	0.5	2,970.0	0.8	1.2	
		282.6	419.5		70.1	9.0		72.5	59.0		476.3	187.0		328.5	103.8	
RP2M6B	5,913.0	0.0	0.4	714.3	0.1	0.4	900.7	-0.2	0.1	4,239.0	-0.1	0.3	2,541.7	-0.3	0.4	
		19.9	66.0		10.5	13.0		-34.8	4.9		-35.3	100.5		-99.8	30.7	
MD6QFG	5,110.0	-0.8		728.0	0.2		812.0	-0.7		4,158.0	-0.2		2,626.0	0.0		
		-783.1	0.0		24.1	0.0		-123.5	0.0		-116.3	0.0		-15.5	0.0	
6RLVVY	2,127.0	-4.0		1,440.4	5.8		1,565.7	3.6		1,345.4	-4.2		3,347.6	1.8		
		-3,766.1	0.0		736.6	0.0		630.2	0.0		-2,928.9	0.0		706.1	0.0	
EXKAWT	5,340.7	-0.6	0.1	670.7	-0.3	0.0	946.0	0.1	0.3	3,990.3	-0.4	0.1	2,289.3	-0.9	0.3	
		-552.4	14.5		-33.2	1.5		10.5	11.3		-284.0	22.6		-352.2	27.5	
LJER2K	6,378.0	0.5	0.5	571.0	-1.0	0.1	799.3	-0.8	0.3	3,700.0	-0.8	0.1	2,250.0	-1.0	0.6	
		484.9	100.0		-132.9	3.6		-136.2	11.0		-574.3	50.0		-391.5	50.0	
RB2NGE	6,633.0	0.8	0.7	678.3	-0.2	0.7	848.7	-0.5	0.8	4,477.0	0.3	0.7	2,439.3	-0.5	1.2	
		739.9	128.4		-25.5	22.2		-86.8	26.5		202.7	245.0		-202.2	99.8	
TZYQ96	4,973.4	-1.0	0.3	472.1	-1.8	0.6	888.7	-0.3	1.1	3,634.3	-0.9	0.7	2,546.5	-0.2	0.2	
		-919.7	47.1		-231.8	18.9		-46.8	38.9		-640.0	243.5		-95.0	18.3	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
UBVBN3	6,202.0	0.3	0.1	731.7	0.2	0.5	889.3	-0.3	0.2	4,210.7	-0.1	0.0	2,657.0	0.0	0.2
		308.9	12.1		27.8	16.3		-46.2	6.4		-63.7	10.5		15.5	21.0
WRRHVZ	5,560.3	-0.4	0.0	645.0	-0.5	0.5	836.3	-0.6	0.1	4,539.7	0.4	0.0	2,726.7	0.2	2.1
		-332.8	1.5		-58.9	15.0		-99.2	3.2		265.3	13.1		85.2	181.3
7EE8HV	5,848.4	0.0	0.0	657.1	-0.4	1.7	1,279.6	2.0	0.2	4,428.0	0.2	0.1	3,112.4	1.2	0.1
		-44.7	5.0		-46.8	54.0		344.1	7.6		153.6	27.5		470.9	10.2
3P8J4X	5,751.0	-0.1	2.7	732.0	0.2	1.2	771.7	-0.9	1.1	3,817.0	-0.7	0.2	2,378.0	-0.7	0.9
		-142.1	505.5		28.1	37.0		-163.8	38.2		-457.3	60.4		-263.5	77.1
8B969K	6,158.2	0.3	0.5	708.4	0.0	0.5	999.9	0.4	0.8	4,947.3	1.0	0.2	2,907.9	0.7	0.4
		265.1	85.0		4.5	15.6		64.4	26.3		673.0	52.8		266.4	35.8
83HJ3L	6,447.0	0.6	0.3	779.0	0.6	1.1	1,089.0	0.9	0.5	5,708.0	2.1	4.9	3,231.7	1.5	0.6
		553.9	51.5		75.1	33.8		153.5	19.1		1,433.7	1,715.7		590.2	52.5
RDUHG4	7,480.3	1.7	1.5	699.3	0.0	0.4	953.7	0.1	3.0	4,773.3	0.7	0.9	2,718.0	0.2	0.4
		1,587.2	281.1		-4.5	11.2		18.2	105.6		499.0	315.2		76.5	36.5
W44REJ	5,287.5	-0.6	3.1	639.8	-0.5	1.8	949.0	0.1	2.0	4,132.1	-0.2	1.2	2,599.2	-0.1	3.0
		-605.6	584.6		-64.1	57.5		13.5	69.8		-142.3	416.8		-42.3	257.3
Grand Median		5,893.1			703.9			935.5			4,274.3			2,641.5	
Median Abs Dev		518.7			52.7			70.7			274.7			213.7	
Avg Within Lab SD		187.1			31.8			34.7			349.4			86.0	
Labs Included		28			28			28			28			28	
Labs Reporting		28			28			28			28			28	



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

Mehlich-3, Mg (SubTestCode 160)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
XQBLZF	783.3	0.3	0.6	81.0	0.2	1.5	90.8	0.1	1.2	669.8	0.0	1.8	573.0	-0.3	3.3			
		39.3	13.3		5.5	6.6		1.3	4.9		-0.9	38.2		-25.9	63.2			
EKCRXX	889.5	1.1	0.6	88.1	0.5	0.4	104.5	1.0	1.1	818.9	1.3	0.5	718.0	1.2	1.9			
		145.5	11.5		12.6	1.8		15.0	4.5		148.2	10.1		119.1	35.1			
2HPU3C	853.1	0.8	0.2	77.3	0.1	0.2	93.3	0.3	0.1	743.9	0.6	0.1	665.7	0.7	0.8			
		109.1	3.4		1.7	0.8		3.8	0.4		73.1	1.8		66.8	15.5			
77XW3A	689.2	-0.4	0.2	68.2	-0.3	0.3	79.3	-0.7	0.1	694.3	0.2	0.2	591.2	-0.1	0.4			
		-54.8	4.3		-7.4	1.2		-10.2	0.6		23.6	4.6		-7.8	8.5			
KCWYAU	815.0	0.6	0.2	82.0	0.2	0.4	89.3	0.0	0.6	759.3	0.8	0.9	601.3	0.0	0.8			
		71.0	4.4		6.5	1.7		-0.2	2.3		88.6	19.6		2.4	15.0			
3YVF4E	725.3	-0.1	0.6	78.7	0.1	0.6	85.3	-0.3	0.4	671.7	0.0	1.5	585.0	-0.1	0.4			
		-18.7	12.5		3.1	2.5		-4.2	1.5		0.9	31.5		-13.9	7.5			
2VXC28	700.8	-0.3	0.1	67.7	-0.3	0.2	78.5	-0.7	0.2	629.9	-0.4	0.1	521.4	-0.8	0.1			
		-43.2	2.8		-7.9	0.8		-11.0	0.6		-40.9	2.2		-77.6	2.6			
VDXCLE	856.1	0.9	0.1	72.6	-0.1	0.2	106.7	1.2	0.0	825.4	1.3	0.2	754.3	1.6	0.0			
		112.1	2.1		-3.0	0.9		17.2	0.2		154.7	4.6		155.4	0.8			
ZBBL2B	718.9	-0.2	0.1	67.6	-0.3	0.1	85.5	-0.3	0.0	687.4	0.1	0.1	575.2	-0.2	0.1			
		-25.1	1.9		-8.0	0.4		-4.0	0.1		16.7	1.1		-23.7	1.6			
H2Q66K	766.7	0.2	1.3	86.2	0.4	0.9	94.3	0.3	1.9	742.8	0.6	0.7	596.5	0.0	0.5			
		22.7	25.9		10.6	3.8		4.8	7.6		72.1	14.3		-2.4	8.5			
WHN7Y7	663.0	-0.6	2.0	65.7	-0.4	0.9	107.7	1.2	1.4	636.3	-0.3	0.4	628.3	0.3	1.0			
		-81.0	41.2		-9.9	4.0		18.2	5.8		-34.4	9.0		29.4	18.0			
MWZJZE	925.0	1.4		72.0	-0.1		94.0	0.3		655.0	-0.1		801.0	2.1				
		181.0	0.0		-3.6	0.0		4.5	0.0		-15.8	0.0		202.1	0.0			
LXWEBH	801.0	0.4	1.7	75.3	0.0	2.1	114.3	1.7	1.8	739.7	0.6	1.2	672.0	0.7	1.0			
		57.0	36.0		-0.2	9.5		24.8	7.1		68.9	25.8		73.1	18.7			
RP2M6B	712.3	-0.2	0.6	81.5	0.2	0.2	93.2	0.3	0.2	692.7	0.2	0.1	609.7	0.1	0.1			
		-31.7	11.7		5.9	0.9		3.7	0.8		21.9	1.2		10.8	1.2			
MD6QFG	564.0	-1.4		94.0	0.7		89.0	0.0		540.0	-1.1		500.0	-1.0				
		-180.0	0.0		18.5	0.0		-0.5	0.0		-130.8	0.0		-98.9	0.0			
6RLVVY	123.8	-4.8		357.8	10.3		106.9	1.2		236.8	-3.7		429.1	-1.7				
		-620.2	0.0		282.2	0.0		17.4	0.0		-434.0	0.0		-169.8	0.0			
EXKAWT	723.7	-0.2	0.2	75.8	0.0	0.1	92.3	0.2	0.6	659.7	-0.1	0.3	529.3	-0.7	0.4			
		-20.3	3.2		0.2	0.3		2.8	2.5		-11.1	6.7		-69.6	7.5			
LJER2K	654.7	-0.7	0.2	59.8	-0.6	0.0	72.1	-1.2	0.1	585.0	-0.7	0.2	517.0	-0.8	0.2			
		-89.3	4.2		-15.7	0.1		-17.4	0.3		-85.8	5.0		-81.9	3.6			
RB2NGE	639.7	-0.8	2.9	83.7	0.3	3.5	83.0	-0.4	0.9	613.7	-0.5	0.4	514.7	-0.9	1.4			
		-104.3	60.4		8.1	15.5		-6.5	3.5		-57.1	7.5		-84.3	27.0			
TZYQ96	733.9	-0.1	0.2	53.2	-0.8	0.3	83.5	-0.4	0.8	649.4	-0.2	1.7	620.4	0.2	0.5			
		-10.1	3.9		-22.3	1.5		-6.0	3.3		-21.4	36.5		21.5	10.2			



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
UBVBN3	749.0	0.0	0.6	83.0	0.3	0.2	89.7	0.0	0.4	668.7	0.0	0.3	616.3	0.2	0.3
		5.0	12.1		7.5	1.0		0.2	1.5		-2.1	5.8		17.4	6.4
WRRHVZ	777.3	0.3	0.1	74.2	-0.1	0.2	85.4	-0.3	0.3	630.9	-0.3	0.1	542.3	-0.6	0.1
		33.3	2.5		-1.4	1.0		-4.1	1.2		-39.9	2.0		-56.7	1.6
7EE8HV	805.8	0.5	0.2	70.5	-0.2	0.1	125.4	2.4	0.2	751.2	0.7	0.0	749.8	1.5	0.2
		61.8	3.4		-5.1	0.6		35.9	1.0		80.5	1.0		150.9	4.6
3P8J4X	739.0	0.0	0.4	82.7	0.3	1.9	85.0	-0.3	1.5	621.7	-0.4	0.9	571.3	-0.3	1.1
		-5.0	9.2		7.1	8.5		-4.5	6.0		-49.1	18.9		-27.6	21.0
8B969K	852.6	0.8	0.3	70.3	-0.2	0.4	87.9	-0.1	0.6	840.9	1.5	0.5	677.7	0.8	0.5
		108.6	6.6		-5.3	1.6		-1.6	2.5		170.1	10.9		78.8	9.3
83HJ3L	784.7	0.3	0.7	114.6	1.4	0.8	133.6	3.0	1.3	843.6	1.5	1.2	684.4	0.9	0.5
		40.7	14.4		39.1	3.8		44.1	5.2		172.8	24.7		85.5	10.2
RDUHG4	766.3	0.2	0.5	75.0	0.0	0.5	89.0	0.0	2.6	765.3	0.8	2.7	632.0	0.3	0.5
		22.3	9.5		-0.6	2.0		-0.5	10.5		94.6	57.9		33.1	8.5
W44REJ	608.6	-1.1	2.8	55.6	-0.7	1.3	71.9	-1.2	1.6	580.3	-0.8	2.5	535.8	-0.6	2.2
		-135.4	57.4		-20.0	5.6		-17.6	6.6		-90.4	52.9		-63.1	42.4
Grand Median		744.0		75.6			89.5			670.8			598.9		
Median Abs Dev		55.9		7.3			4.7			63.0			65.0		
Avg Within Lab SD		20.6		4.4			4.0			21.3			19.0		
Labs Included		28		28			28			28			28		
Labs Reporting		28		28			28			28			28		



ALP Program - Participant Web Summary Report - Cycle 24

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

	Mehlich-3, Na (SubTestCode 161)			in the Mehlich-3 Multi-Element Property Groups									Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
EKCRXX	1,862.5	1.0	0.8	8.2	-0.6	0.1	6.1	-1.0	0.2	14.3	-0.4	0.8	5.8	-1.0	0.3
		447.5	49.7		-5.1	0.9		-4.9	0.5		-1.9	2.5		-6.2	0.9
77XW3A	908.3	-1.2	0.2	12.0	-0.2	0.1	13.3	0.5	0.6	16.7	0.1	0.2	14.0	0.3	0.7
		-506.7	13.1		-1.3	1.0		2.3	1.5		0.5	0.6		2.0	2.0
3YVF4E	760.3	-1.5	0.8	35.0	2.6	1.5	13.3	0.5	0.8	28.3	2.4	3.2	16.0	0.6	1.5
		-654.7	45.4		21.7	11.8		2.3	2.1		12.2	10.4		4.0	4.4
2VXC28	1,055.6	-0.8	0.0	10.8	-0.3	0.0	11.0	0.0	0.1	16.2	0.0	0.2	12.2	0.0	0.2
		-359.4	3.0		-2.5	0.1		0.0	0.4		0.1	0.5		0.2	0.5
ZBBL2B	1,105.3	-0.7	0.1	11.2	-0.3	0.0	13.0	0.4	0.0	15.8	-0.1	0.0	12.3	0.0	0.0
		-309.7	4.1		-2.1	0.2		1.9	0.1		-0.3	0.1		0.3	0.0
WHN7Y7	1,441.7	0.1	1.2	13.3	0.0	0.1	14.0	0.6	0.4	18.0	0.4	0.3	11.3	-0.1	0.5
		26.7	68.7		0.0	1.2		3.0	1.0		1.9	1.0		-0.7	1.5
MWZJZE	1,088.0	-0.8		16.0	0.3		21.0	2.0		19.0	0.6		16.0	0.6	
		-327.0	0.0		2.7	0.0		10.0	0.0		2.9	0.0		4.0	0.0
RP2M6B	1,534.0	0.3	0.9	13.9	0.1	0.2	5.6	-1.1	0.1	11.6	-0.9	0.4	5.4	-1.0	0.1
		119.0	51.5		0.5	1.3		-5.4	0.2		-4.6	1.2		-6.6	0.3
6RLVVY	30.2	-3.2		25.2	1.4		10.8	0.0		16.4	0.0		18.7	1.0	
		-1,384.8	0.0		11.9	0.0		-0.2	0.0		0.2	0.0		6.7	0.0
LJER2K	1,421.0	0.0	0.3	6.5	-0.8	0.1	8.5	-0.5	0.8	11.0	-1.0	0.2	3.8	-1.3	0.1
		6.0	18.2		-6.8	0.5		-2.5	2.0		-5.1	0.5		-8.2	0.3
RB2NGE	1,249.0	-0.4	0.1	21.5	1.0	0.5	17.9	1.4	0.6	26.7	2.1	0.4	22.3	1.6	1.8
		-166.0	3.0		8.1	3.7		6.8	1.6		10.5	1.3		10.3	5.2
TZYQ96	1,389.7	-0.1	0.2	7.8	-0.6	0.1	8.8	-0.4	1.0	16.1	0.0	0.3	12.0	0.0	0.9
		-25.3	14.2		-5.5	0.8		-2.2	2.6		0.0	0.9		0.0	2.6
7EE8HV	1,409.0	0.0	0.0												
		-6.0	1.6												
3P8J4X	1,520.0	0.2	0.2	18.0	0.6	0.2	12.3	0.3	1.2	14.3	-0.4	0.8	10.0	-0.3	0.6
		105.0	10.0		4.7	1.7		1.3	3.2		-1.8	2.5		-2.0	1.7
8B969K	1,788.9	0.9	0.3	5.1	-1.0	0.0	5.8	-1.0	0.0	12.9	-0.6	0.0	5.4	-1.0	0.0
		373.9	19.2		-8.2	0.2		-5.3	0.1		-3.2	0.2		-6.6	0.1
83HJ3L	1,492.0	0.2	0.2	22.4	1.1	3.7	5.9	-1.0	0.0	10.0	-1.2	0.4	4.2	-1.2	0.3
		77.0	13.2		9.1	30.0		-5.1	0.1		-6.1	1.4		-7.8	0.8
RDUHG4	1,474.7	0.1	0.9	15.3	0.2	0.9	13.3	0.5	3.5	21.3	1.0	2.1	17.3	0.8	3.0
		59.7	54.9		2.0	7.0		2.3	9.3		5.2	6.7		5.3	9.1
W44REJ	1,662.2	0.6	3.7	8.6	-0.6	0.2	9.2	-0.4	0.4	14.7	-0.3	0.8	8.5	-0.5	0.7
		247.2	218.6		-4.7	1.3		-1.8	1.1		-1.4	2.5		-3.5	2.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	1,415.0			13.3			11.0			16.1			12.0		
Median Abs Dev	206.6			4.7			2.3			1.9			4.0		
Avg Within Lab SD	59.7			8.1			2.7			3.2			3.0		
Labs Included	18			17			17			17			17		
Labs Reporting	18			17			17			17			17		



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

Mehlich-3, S (SubTestCode 162)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	785.0	0.9	0.6	15.4	0.9	0.6	17.7	1.0	1.7	17.8	0.2	3.0	14.1	0.1	1.6	
		148.5	10.6		4.2	1.1		3.5	1.4		1.4	4.6		0.8	2.2	
2HPU3C	575.3	-0.4	0.4	13.8	0.6	0.2	15.6	0.4	0.5	23.6	0.8	0.4	21.8	1.2	0.4	
		-61.2	7.2		2.7	0.4		1.3	0.4		7.3	0.6		8.4	0.6	
77XW3A	512.0	-0.7	0.4	18.3	1.6	0.3	23.0	2.6		79.7	6.9	0.4	54.3	5.9	0.8	
		-124.5	7.0		7.2	0.6		8.8	0.0		63.3	0.6		41.0	1.2	
KCWYAU	703.0	0.4	0.6	10.0	-0.3	0.6	11.0	-1.0	1.2	15.3	-0.1	0.4	14.3	0.1	1.5	
		66.5	9.6		-1.2	1.0		-3.2	1.0		-1.0	0.6		1.0	2.1	
3YVF4E	479.3	-0.9	0.4	21.0	2.2	3.4	14.3	0.0	0.7	19.7	0.4	2.7	13.3	0.0	1.1	
		-157.2	6.5		9.8	6.0		0.1	0.6		3.3	4.0		0.0	1.5	
2VXC28	283.4	-2.1	0.0	9.4	-0.4	0.1	11.4	-0.9	0.2	29.3	1.4	0.2	19.8	0.9	0.2	
		-353.1	0.5		-1.8	0.1		-2.9	0.2		13.0	0.3		6.5	0.3	
VDXCLE	733.5	0.6	0.2	13.7	0.6	0.4	16.8	0.8	0.2	16.9	0.1	0.1	15.1	0.3	0.1	
		97.0	2.7		2.5	0.6		2.6	0.1		0.5	0.1		1.8	0.1	
ZBBL2B	393.0	-1.5	0.3	10.0	-0.3	0.0	12.6	-0.5	0.1	29.2	1.4	0.1	20.2	1.0	0.1	
		-243.5	4.7		-1.2	0.0		-1.6	0.1		12.9	0.1		6.8	0.2	
H2Q66K	695.8	0.4	1.7	15.6	1.0	0.9	16.1	0.5	0.1	16.4	0.0	0.2	13.1	0.0	0.1	
		59.3	27.6		4.4	1.6		1.8	0.1		0.1	0.2		-0.3	0.1	
WHN7Y7	635.3	0.0	1.3	11.3	0.0	0.3	15.0	0.2		13.3	-0.3	0.4	13.3	0.0	0.4	
		-1.2	22.2		0.2	0.6		0.8	0.0		-3.0	0.6		0.0	0.6	
MWZJZE	632.0	0.0		13.0	0.4		14.0	-0.1		12.0	-0.5		13.0	0.0		
		-4.5	0.0		1.8	0.0		-0.2	0.0		-4.3	0.0		-0.3	0.0	
RP2M6B	692.3	0.3	0.3	15.0	0.9	0.3	13.3	-0.3	1.5	12.9	-0.4	0.4	12.3	-0.2	0.7	
		55.8	5.5		3.8	0.5		-1.0	1.3		-3.4	0.6		-1.1	0.9	
6RLVYV	19.9	-3.7		5.9	-1.2		16.1	0.6		18.9	0.3		8.6	-0.7		
		-616.6	0.0		-5.3	0.0		1.9	0.0		2.6	0.0		-4.7	0.0	
EXKAWT	654.7	0.1	0.6	10.4	-0.2	0.1	13.2	-0.3	0.2	14.5	-0.2	0.0	10.6	-0.4	0.1	
		18.2	10.0		-0.8	0.2		-1.0	0.2		-1.9	0.1		-2.8	0.2	
LJER2K	704.0	0.4	0.2	10.8	-0.1	0.2	12.9	-0.4	0.1	14.6	-0.2	0.2	12.5	-0.1	0.2	
		67.5	4.0		-0.4	0.4		-1.3	0.1		-1.7	0.3		-0.8	0.2	
RB2NGE	648.4	0.1	1.7	20.5	2.1	2.7	17.9	1.1	1.9	18.2	0.2	1.8	20.1	1.0	3.5	
		11.9	28.6		9.3	4.7		3.7	1.6		1.8	2.7		6.7	4.9	
TZYQ96	614.1	-0.1	0.5	11.7	0.1	0.1	20.1	1.8	0.6	21.0	0.5	0.7	19.2	0.8	0.5	
		-22.4	7.7		0.6	0.2		5.9	0.5		4.7	1.0		5.9	0.7	
7EE8HV	731.9	0.6	0.2	4.5	-1.5	0.1	9.1	-1.5	0.6	9.5	-0.7	0.1	8.4	-0.7	0.1	
		95.4	3.7		-6.6	0.2		-5.2	0.5		-6.8	0.2		-5.0	0.1	
8B969K	810.5	1.0	0.3	10.2	-0.2	0.1	14.1	0.0	0.3	16.1	0.0	0.1	13.3	0.0	0.1	
		174.0	5.8		-0.9	0.2		-0.1	0.3		-0.2	0.1		0.0	0.2	
83HJ3L	561.0	-0.5	0.2	10.8	-0.1	0.6	16.1	0.6	1.5	16.2	0.0	0.4	21.6	1.2	0.6	
		-75.5	2.6		-0.4	1.1		1.9	1.2		-0.1	0.6		8.3	0.9	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
RDUHG4	637.7	0.0	0.5	11.0	0.0	0.6	13.7	-0.2	1.9	15.3	-0.1	0.4	12.7	-0.1	1.1
		1.2	8.5		-0.2	1.0		-0.6	1.5		-1.0	0.6		-0.7	1.5
W44REJ	627.4	-0.1	3.5	9.4	-0.4	0.4	13.7	-0.2	2.0	14.7	-0.2	1.0	12.8	-0.1	0.7
		-9.1	57.5		-1.7	0.8		-0.5	1.6		-1.7	1.5		-0.5	1.0
Grand Median	636.5			11.2			14.2			16.3			13.3		
Median Abs Dev	67.0			1.8			1.7			2.2			1.4		
Avg Within Lab SD	16.6			1.7			0.8			1.5			1.4		
Labs Included	22			22			22			22			22		
Labs Reporting	22			22			22			22			22		



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

Mehlich-3, Al (SubTestCode 163)															
in the Mehlich-3 Multi-Element Property Groups															
Data units: mg/kg															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
EKCRXX	235.9	-0.3	0.2	894.2	0.2	2.1	626.2	0.2	0.8	583.4	0.6	0.2	683.0	0.3	1.5
		-26.4	10.6		21.1	72.2		16.9	16.2		42.7	4.6		28.8	23.0
3YVF4E	355.0	0.9	0.8	933.7	0.6	0.5	650.0	0.5	0.2	566.7	0.4	1.2	672.0	0.2	0.5
		92.7	34.1		60.5	18.6		40.6	4.6		26.0	24.2		17.8	8.2
WHN7Y7	184.0	-0.8	0.3	908.7	0.4	0.9	698.3	1.1	1.1	516.3	-0.4	0.5	660.0	0.1	2.0
		-78.3	15.6		35.5	32.6		89.0	23.6		-24.4	9.9		5.8	30.2
MWZJZE	371.0	1.1		704.0	-1.8		792.0	2.3		601.0	0.9		823.0	2.0	
		108.7	0.0		-169.1	0.0		182.6	0.0		60.3	0.0		168.8	0.0
RP2M6B	307.7	0.5	0.2	784.3	-0.9	0.1	570.7	-0.5	0.7	507.0	-0.5	0.3	584.0	-0.8	0.4
		45.3	11.0		-88.8	5.1		-38.7	14.6		-33.7	7.0		-70.3	6.2
EXKAWT	333.7	0.7	0.1	861.3	-0.1	0.0	588.7	-0.3	0.2	525.3	-0.2	0.1	587.0	-0.8	0.3
		71.3	3.2		-11.8	0.6		-20.7	4.2		-15.4	2.1		-67.3	4.6
LJER2K	242.7	-0.2	0.1	852.0	-0.2	0.2	560.0	-0.6	0.2	491.7	-0.7	0.4	595.0	-0.7	0.3
		-19.7	6.4		-21.1	7.2		-49.4	5.0		-49.0	7.6		-59.3	5.0
RB2NGE	198.7	-0.6	0.8	744.0	-1.3	1.6	520.0	-1.1	1.1	456.0	-1.3	0.3	539.0	-1.4	1.3
		-63.7	34.2		-129.1	56.9		-89.4	22.1		-84.7	7.0		-115.3	20.2
TZYQ96	123.4	-1.4	0.1	884.9	0.1	0.4	592.5	-0.2	1.4	530.3	-0.2	1.6	648.5	-0.1	0.2
		-139.0	5.8		11.8	12.8		-16.9	29.0		-10.4	33.6		-5.8	2.8
8B969K	374.0	1.1	0.1	894.3	0.2	0.2	629.7	0.3	0.6	601.5	0.9	0.2	691.1	0.4	0.5
		111.7	5.3		21.2	8.5		20.3	12.0		60.8	4.9		36.8	7.2
RDUHG4	282.0	0.2	2.8	1,016.0	1.5	1.8	664.3	0.7	2.3	656.7	1.8	2.5	761.7	1.3	1.1
		19.7	129.0		142.9	64.5		55.0	47.4		116.0	50.9		107.4	17.5
W44REJ	239.2	-0.2	1.6	804.1	-0.7	0.6	585.4	-0.3	1.0	551.1	0.2	1.0	647.7	-0.1	1.4
		-23.1	71.2		-69.0	21.2		-24.0	20.1		10.4	21.2		-6.6	21.6
Grand Median		262.3		873.1			609.4			540.7			654.3		
Median Abs Dev		67.5		48.0			39.7			38.2			48.0		
Avg Within Lab SD		45.3		35.1			20.9			20.5			15.4		
Labs Included		12		12			12			12			12		
Labs Reporting		12		12			12			12			12		



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

Mehlich-3, Zn (SubTestCode 164)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
EKCRXX	25.37	0.76	0.25	1.50	0.36	2.07	0.59	0.09	4.57	0.56	0.23	3.37	0.75	0.12			
		3.00	0.25		0.38		0.47	0.06		0.95	0.12		0.70	0.06			
2HPU3C	23.03	0.17	0.81	0.97	-0.15	1.60	0.00	0.16	3.47	-0.09	0.30	2.67	0.00	0.24			
		0.66	0.80		-0.16		0.00	0.10		-0.15	0.15		0.00	0.12			
77XW3A	21.60	-0.20	0.46	1.10	-0.02	1.57	-0.04	0.09	3.67	0.03	0.23	2.80	0.14	0.21			
		-0.77	0.46		-0.03		-0.03	0.06		0.05	0.12		0.13	0.10			
KCWYAU	23.60	0.31	0.10	1.37	0.23	1.83	0.30	0.09	4.23	0.36	0.11	3.00	0.36	0.21			
		1.23	0.10		0.24		0.23	0.06		0.62	0.06		0.33	0.10			
3YVF4E	20.50	-0.48	0.51	1.13	0.01	1.57	-0.04	0.09	3.43	-0.11	0.23	2.53	-0.14	0.12			
		-1.87	0.50		0.01		-0.03	0.06		-0.18	0.12		-0.13	0.06			
2VXC28	17.16	-1.33	0.07	1.06	-0.06	1.37	-0.30	0.04	3.35	-0.15	0.09	2.51	-0.17	0.07			
		-5.21	0.07		-0.06		-0.23	0.02		-0.26	0.04		-0.16	0.03			
VDXCLE	24.63	0.58	0.03	1.22	0.09	1.79	0.25	0.05	4.12	0.30	0.11	3.57	0.97	0.19			
		2.26	0.03		0.10		0.19	0.03		0.51	0.06		0.91	0.09			
ZBBL2B	21.01	-0.35	0.05	1.05	-0.07	1.55	-0.07	0.02	3.34	-0.16	0.01	2.52	-0.16	0.02			
		-1.36	0.05		-0.07		-0.05	0.01		-0.27	0.01		-0.15	0.01			
H2Q66K	22.37	0.00	1.95	1.12	-0.01	1.46	-0.17	0.12	3.66	0.03	0.35	2.53	-0.14	0.18			
		0.00	1.92		-0.01		-0.14	0.08		0.04	0.18		-0.13	0.09			
WHN7Y7	20.67	-0.43	0.58	1.00	-0.12	2.00	0.51	0.00	4.00	0.23	0.00	3.00	0.36	0.00			
		-1.70	0.58		-0.13		0.40	0.00		0.39	0.00		0.33	0.00			
MWZJZE	42.13	5.04	0.00	1.22	0.09	2.14	0.69	0.00	4.60	0.58	0.00	4.13	1.57	0.00			
		19.76	0.00		0.10		0.54	0.00		0.99	0.00		1.46	0.00			
RP2M6B	21.80	-0.15	0.20	1.36	0.23	1.60	0.00	0.07	3.60	-0.01	0.02	2.63	-0.04	0.06			
		-0.57	0.20		0.24		0.00	0.05		-0.01	0.01		-0.03	0.03			
6RLVYV	22.98	0.16	0.00	9.95	8.46	3.84	2.85	0.00	17.79	8.32	0.00	8.20	5.94	0.00			
		0.61	0.00		8.83		2.24	0.00		14.18	0.00		5.53	0.00			
EXKAWT	20.97	-0.36	0.21	1.11	-0.02	2.29	0.88	0.18	3.61	0.00	0.11	2.61	-0.06	0.11			
		-1.40	0.21		-0.02		0.69	0.11		0.00	0.06		-0.06	0.06			
LJER2K	20.67	-0.43	0.39	0.94	-0.18	1.50	-0.13	0.08	3.23	-0.22	0.06	2.46	-0.22	0.08			
		-1.70	0.38		-0.18		-0.10	0.05		-0.38	0.03		-0.20	0.04			
RB2NGE	20.97	-0.36	2.26	1.37	0.23	1.73	0.17	0.09	3.50	-0.07	0.40	2.60	-0.07	0.36			
		-1.40	2.23		0.24		0.13	0.06		-0.11	0.20		-0.07	0.17			
TZYQ96	23.17	0.21	0.18			0.47	-1.44	0.19	2.62	-0.58	0.41	1.84	-0.89	0.38			
		0.80	0.18				-1.13	0.11		-0.99	0.21		-0.83	0.19			
7EE8HV	23.22	0.22	0.02	0.69	-0.41	1.39	-0.26	0.02	3.25	-0.22	0.04	2.67	0.01	0.07			
		0.85	0.02		-0.43		-0.21	0.01		-0.37	0.02		0.01	0.04			
8B969K	26.03	0.94	0.25	1.15	0.03	1.76	0.20	0.04	4.55	0.55	0.48	3.29	0.67	0.66			
		3.66	0.25		0.03		0.16	0.03		0.93	0.24		0.62	0.32			
RDUHG4	20.37	-0.51	0.33	1.00	-0.12	1.60	0.00	0.33	3.60	-0.01	0.20	2.57	-0.11	0.66			
		-2.00	0.32		-0.13		0.00	0.20		-0.01	0.10		-0.10	0.32			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
W44REJ	27.03	1.19	3.18	3.84	2.61	4.34	5.73	5.27	4.55	6.35	1.61	4.47	3.97	1.40	4.42
		4.66	3.14		2.72	3.44		4.13	2.78		2.74	2.26		1.30	2.15
Grand Median		22.4			1.13			1.60			3.61			2.67	
Median Abs Dev		1.4			0.13			0.19			0.37			0.16	
Avg Within Lab SD		1.0			0.79			0.61			0.50			0.49	
Labs Included		21			20			21			21			21	
Labs Reporting		21			20			21			21			21	



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

Mehlich-3, Mn (SubTestCode 165)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	101.6	1.0	0.6	55.8	0.9	0.7	37.7	0.1	0.6	130.3	1.1	0.3	132.0	1.0	0.7	
		16.3	2.8		5.3	1.0		3.9	1.2		21.9	1.1		22.9	4.2	
2HPU3C	101.5	1.0	0.2	53.2	0.4	0.4	38.1	0.2	0.1	117.9	0.5	0.4	133.2	1.0	0.2	
		16.1	0.9		2.7	0.6		4.3	0.3		9.6	1.3		24.1	1.0	
77XW3A	82.7	-0.2	0.1	50.3	0.0	0.4	30.3	-0.1	0.3	95.3	-0.7	0.2	100.3	-0.4	0.2	
		-2.7	0.6		-0.2	0.6		-3.5	0.6		-13.0	0.6		-8.8	1.2	
KCWYAU	96.7	0.7	0.1	56.3	1.0	0.4	36.3	0.1	0.8	128.0	1.0	0.3	122.7	0.6	0.3	
		11.3	0.6		5.8	0.6		2.5	1.5		19.7	1.0		13.5	1.5	
3YVF4E	78.0	-0.5	0.5	50.7	0.0	1.0	31.7	-0.1	0.8	94.7	-0.7	0.4	92.7	-0.7	0.7	
		-7.4	2.0		0.2	1.5		-2.2	1.5		-13.7	1.5		-16.5	4.0	
2VXC28	85.9	0.0	0.1	42.0	-1.4	0.1	28.0	-0.2	0.1	99.3	-0.5	0.1	99.7	-0.4	0.1	
		0.5	0.5		-8.5	0.2		-5.8	0.1		-9.0	0.3		-9.4	0.4	
VDXCLE	77.6	-0.5	0.1	55.9	0.9	0.3	35.4	0.1	0.2	100.4	-0.4	0.1	105.3	-0.2	0.9	
		-7.8	0.4		5.4	0.5		1.6	0.4		-8.0	0.3		-3.8	5.5	
ZBBL2B	84.8	0.0	0.1	45.3	-0.9	0.2	31.0	-0.1	0.1	100.8	-0.4	0.3	107.1	-0.1	0.1	
		-0.5	0.2		-5.2	0.2		-2.8	0.1		-7.5	1.0		-2.0	0.5	
H2Q66K	84.1	-0.1	0.9	54.0	0.6	0.3	32.6	0.0	0.8	108.7	0.0	1.3	108.4	0.0	0.9	
		-1.2	4.1		3.5	0.5		-1.2	1.5		0.3	4.9		-0.8	5.1	
WHN7Y7	92.0	0.4	1.2	46.3	-0.7	0.7	42.7	0.3	0.3	125.7	0.9	0.4	130.0	0.9	0.9	
		6.6	5.2		-4.2	1.2		8.8	0.6		17.3	1.5		20.8	5.0	
MWZJZE	93.0	0.5		44.0	-1.1		34.0	0.0		108.0	0.0		138.0	1.2		
		7.6	0.0		-6.5	0.0		0.2	0.0		-0.3	0.0		28.8	0.0	
RP2M6B	83.0	-0.1	0.0	49.4	-0.2	0.4	33.2	0.0	0.2	105.0	-0.2	0.3	109.3	0.0	0.2	
		-2.4	0.1		-1.1	0.7		-0.6	0.4		-3.3	1.0		0.2	1.2	
6RLVYV	139.4	3.4		50.0	-0.1		349.1	11.1		171.3	3.1		176.6	2.9		
		54.1	0.0		-0.5	0.0		315.2	0.0		63.0	0.0		67.4	0.0	
EXKAWT	73.8	-0.7	0.0	54.3	0.6	0.4	30.0	-0.1	0.4	94.3	-0.7	0.3	85.3	-1.0	0.4	
		-11.5	0.2		3.8	0.6		-3.8	0.9		-14.0	1.2		-23.8	2.5	
LJER2K	84.0	-0.1	0.2	46.6	-0.7	0.1	31.3	-0.1	0.6	97.7	-0.5	0.7	109.0	0.0	0.2	
		-1.4	1.0		-3.9	0.2		-2.6	1.1		-10.7	2.5		-0.2	1.0	
RB2NGE	71.6	-0.9	1.7	46.7	-0.6	1.4	29.2	-0.2	0.6	93.2	-0.8	0.2	91.8	-0.7	0.4	
		-13.7	7.2		-3.8	2.1		-4.6	1.2		-15.1	0.6		-17.4	2.1	
TZYQ96	99.4	0.9	0.2	45.8	-0.8	1.2	41.3	0.3	0.8	117.8	0.5	1.8	127.2	0.8	0.2	
		14.0	1.0		-4.7	1.9		7.5	1.6		9.5	6.5		18.0	1.3	
8B969K	103.1	1.1	0.1	58.5	1.3	1.1	40.3	0.2	0.4	131.2	1.1	0.2	131.7	1.0	0.7	
		17.7	0.5		8.0	1.7		6.5	0.8		22.9	0.6		22.5	4.2	
RDUHG4	74.7	-0.7	2.4	51.7	0.2	1.5	33.7	0.0	3.7	110.7	0.1	2.1	107.7	-0.1	3.4	
		-10.7	10.7		1.2	2.3		-0.2	7.2		2.3	7.6		-1.5	19.5	
W44REJ	99.2	0.9	2.9	56.2	1.0	3.2	39.1	0.2	1.5	117.0	0.4	3.0	125.3	0.7	2.1	
		13.8	12.6		5.7	5.0		5.3	2.9		8.6	11.0		16.1	11.9	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	85.4			50.5			33.8			108.3			109.2		
Median Abs Dev	9.2			4.0			3.7			10.1			16.3		
Avg Within Lab SD	4.4			1.6			2.0			3.6			5.8		
Labs Included	20			20			20			20			20		
Labs Reporting	20			20			20			20			20		



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

	Mehlich-3, Fe (SubTestCode 166)			in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg					
	SRS1406			SRS1407		SRS1408		SRS1409		SRS1410					
EKCRXX	231.1	0.6	1.0	104.3	0.4	1.8	304.6	0.3	0.3	213.8	0.9	0.3	242.3	0.5	0.4
		21.7	9.1		4.9	6.1		14.4	4.5		21.3	2.8		22.7	3.9
77XW3A	181.7	-0.7	0.6	95.0	-0.4		257.0	-0.7	0.6	177.7	-0.6	0.2	199.0	-0.4	0.1
		-27.8	5.7		-4.4	0.0		-33.2	8.7		-14.8	1.5		-20.6	1.0
3YVF4E	199.0	-0.3	1.2	119.0	1.6	2.4	294.3	0.1	1.6	197.0	0.2	2.4	222.0	0.1	1.9
		-10.4	11.5		19.6	8.0		4.2	22.0		4.5	21.4		2.4	18.5
2VXC28	210.9	0.0	0.1	86.4	-1.1	0.1	249.4	-0.9	0.2	192.3	0.0	0.1	217.5	0.0	0.1
		1.4	1.1		-13.1	0.3		-40.8	2.1		-0.2	0.6		-2.1	0.7
VDXCLE	180.8	-0.8	0.0	117.0	1.4	0.4	299.1	0.2	0.1	192.7	0.0	0.1	208.7	-0.2	0.2
		-28.6	0.4		17.5	1.4		8.9	0.9		0.2	0.7		-10.9	1.7
ZBBL2B	227.8	0.5	0.1	94.3	-0.4	0.1	266.3	-0.5	0.0	187.3	-0.2	0.1	207.7	-0.3	0.1
		18.4	0.5		-5.1	0.3		-23.9	0.6		-5.2	0.5		-11.9	0.6
H2Q66K	184.5	-0.7	0.1	92.4	-0.6	0.4	252.3	-0.8	0.6	171.8	-0.9	0.6	189.0	-0.7	0.2
		-25.0	0.9		-7.0	1.5		-37.9	8.1		-20.8	5.1		-30.6	1.8
WHN7Y7	213.7	0.1	1.0	98.0	-0.1	1.1	341.0	1.1	0.5	213.0	0.8	0.3	249.0	0.6	1.2
		4.2	10.0		-1.4	3.6		50.8	7.0		20.5	2.6		29.4	11.5
MWZJZE	228.0	0.5		86.0	-1.1		315.0	0.5		203.0	0.4		293.0	1.6	
		18.6	0.0		-13.4	0.0		24.8	0.0		10.5	0.0		73.4	0.0
RP2M6B	199.0	-0.3	0.1	97.3	-0.2	0.1	274.3	-0.3	0.4	185.3	-0.3	0.1	208.7	-0.2	0.5
		-10.4	1.0		-2.1	0.3		-15.8	5.7		-7.2	0.6		-10.9	5.1
6RLVVY	333.4	3.3		107.8	0.7		140.3	-3.1		170.1	-0.9		37.3	-3.9	
		123.9	0.0		8.4	0.0		-149.8	0.0		-22.4	0.0		-182.3	0.0
EXKAWT	187.0	-0.6	0.3	111.0	1.0	0.3	286.0	-0.1	0.3	181.7	-0.4	0.2	202.7	-0.4	0.3
		-22.4	2.6		11.6	1.0		-4.2	4.4		-10.8	1.5		-16.9	3.2
LJER2K	208.0	0.0	0.2	98.9	0.0	0.0	278.0	-0.3	0.1	183.3	-0.4	0.8	221.7	0.0	0.3
		-1.4	2.0		-0.6	0.2		-12.2	2.0		-9.2	7.6		2.1	2.9
RB2NGE	162.0	-1.2	1.8	92.9	-0.5	1.5	247.9	-0.9	0.3	159.1	-1.4	0.1	189.4	-0.6	0.3
		-47.4	16.8		-6.5	5.1		-42.3	4.2		-33.4	1.2		-30.2	2.8
TZYQ96	245.2	0.9	0.3	100.0	0.0	0.9	352.0	1.3	1.3	250.4	2.4	1.7	284.9	1.4	0.3
		35.8	2.6		0.6	3.1		61.8	17.4		57.9	15.3		65.4	2.9
8B969K	237.1	0.7	0.2	113.1	1.1	0.5	329.2	0.8	0.4	230.0	1.5	0.2	251.7	0.7	0.4
		27.7	2.3		13.7	1.8		39.1	5.8		37.5	2.1		32.1	3.7
RDUHG4	182.7	-0.7	2.9	110.0	0.9	1.5	295.0	0.1	3.3	202.0	0.4	2.5	234.7	0.3	3.3
		-26.8	28.2		10.6	5.0		4.8	45.3		9.5	22.7		15.1	33.1
W44REJ	219.1	0.3	1.5	106.1	0.5	1.2	300.4	0.2	1.0	200.7	0.3	1.3	229.6	0.2	1.1
		9.7	14.2		6.7	4.1		10.2	14.0		8.2	11.8		10.1	11.2



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	209.4			99.4			290.2			192.5			219.6		
Median Abs Dev	22.1			6.9			24.4			10.7			18.7		
Avg Within Lab SD	9.6			3.3			13.7			9.0			10.0		
Labs Included	18			18			18			18			18		
Labs Reporting	18			18			18			18			18		



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

Mehlich-3, Cu (SubTestCode 167)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
EKCRXX	17.10	1.71	0.18	3.93	4.28	1.01	3.50	3.77	2.12	6.20	3.29	1.62	6.17	3.36	0.30		
		4.85	0.10		2.54	0.15		2.26	0.20		3.05	0.20		3.02	0.06		
77XW3A	12.17	-0.03	0.11	1.30	-0.15	0.00	1.00	-0.40	0.00	3.10	-0.06	0.81	3.07	-0.09	0.30		
		-0.09	0.06		-0.09	0.00		-0.24	0.00		-0.05	0.10		-0.08	0.06		
KCWYAU	13.50	0.44	0.18	1.50	0.19	0.00	1.20	-0.07	0.00	3.53	0.41	0.47	3.20	0.06	0.52		
		1.25	0.10		0.11	0.00		-0.04	0.00		0.38	0.06		0.05	0.10		
3YVF4E	9.27	-1.05	2.20	1.10	-0.49	0.66	0.86	-0.64	1.06	2.34	-0.87	1.75	2.45	-0.78	1.69		
		-2.99	1.20		-0.29	0.10		-0.38	0.10		-0.81	0.22		-0.70	0.33		
2VXC28	12.85	0.21	0.20	1.35	-0.07	0.08	1.12	-0.21	0.19	3.19	0.04	0.08	3.04	-0.13	0.07		
		0.60	0.11		-0.04	0.01		-0.13	0.02		0.04	0.01		-0.11	0.01		
VDXCLE	13.84	0.56	0.22	1.56	0.28	0.33	1.27	0.06	0.12	3.46	0.34	0.12	3.65	0.55	0.21		
		1.59	0.12		0.17	0.05		0.03	0.01		0.31	0.02		0.50	0.04		
ZBBL2B	12.34	0.03	0.10	1.25	-0.24	0.07	1.14	-0.17	0.11	2.88	-0.29	0.08	2.87	-0.31	0.08		
		0.09	0.05		-0.14	0.01		-0.10	0.01		-0.27	0.01		-0.28	0.02		
H2Q66K	11.31	-0.33	1.36	1.32	-0.12	0.21	1.06	-0.30	1.05	2.69	-0.49	1.12	2.65	-0.56	0.34		
		-0.95	0.75		-0.07	0.03		-0.18	0.10		-0.46	0.14		-0.50	0.07		
WHN7Y7	12.00	-0.09	0.00	1.67	0.47	3.82	2.00	1.27	0.00	3.00	-0.16	0.00	3.33	0.20	2.97		
		-0.25	0.00		0.28	0.58		0.76	0.00		-0.15	0.00		0.18	0.58		
MWZJZE	16.24	1.41	0.00	1.52	0.22	0.00	1.21	-0.05	0.00	2.93	-0.24	0.00	4.22	1.19	0.00		
		3.99	0.00		0.13	0.00		-0.03	0.00		-0.22	0.00		1.07	0.00		
RP2M6B	10.50	-0.62	0.32	1.46	0.11	0.10	1.49	0.42	0.87	2.85	-0.32	0.49	2.87	-0.31	0.49		
		-1.75	0.17		0.07	0.02		0.25	0.08		-0.30	0.06		-0.28	0.10		
6RLVVY	4.20	-2.84	0.00	3.70	3.89	0.00	2.83	2.65	0.00	7.19	4.35	0.00	5.40	2.51	0.00		
		-8.05	0.00		2.31	0.00		1.59	0.00		4.04	0.00		2.25	0.00		
EXKAWT	11.23	-0.36	0.11	1.42	0.05	0.13	1.27	0.05	1.33	2.87	-0.31	0.34	2.88	-0.30	0.30		
		-1.02	0.06		0.03	0.02		0.03	0.13		-0.29	0.04		-0.27	0.06		
LJER2K	11.06	-0.42	0.10	1.21	-0.31	0.02	0.97	-0.45	0.03	2.78	-0.40	0.03	2.66	-0.55	0.04		
		-1.19	0.05		-0.18	0.00		-0.27	0.00		-0.38	0.00		-0.49	0.01		
RB2NGE	10.31	-0.69	2.16	2.20	1.36	1.44	1.81	0.95	1.71	3.42	0.29	0.69	3.34	0.21	0.24		
		-1.95	1.18		0.81	0.22		0.57	0.16		0.27	0.09		0.19	0.05		
TZYQ96	13.28	0.36	0.27	1.17	-0.37	0.38	1.30	0.10	0.41	3.33	0.19	1.63	3.42	0.30	0.22		
		1.03	0.15		-0.22	0.06		0.06	0.04		0.18	0.20		0.27	0.04		
7EE8HV	14.02	0.62	0.10	1.35	-0.07	0.14	1.74	0.83	0.16	3.39	0.25	0.09	3.83	0.75	0.21		
		1.76	0.06		-0.04	0.02		0.50	0.02		0.24	0.01		0.68	0.04		
8B969K	15.60	1.18	0.32	1.69	0.51	0.80	1.55	0.52	0.52	4.16	1.08	0.60	3.89	0.83	1.03		
		3.35	0.17		0.30	0.12		0.31	0.05		1.01	0.07		0.74	0.20		
RDUHG4	11.13	-0.39	1.78	1.23	-0.26	0.76	0.97	-0.46	2.67	3.20	0.05	2.14	2.77	-0.43	2.32		
		-1.12	0.97		-0.16	0.12		-0.27	0.25		0.05	0.26		-0.38	0.45		
W44REJ	12.66	0.14	2.24	1.36	-0.05	0.52	1.15	-0.15	0.38	3.11	-0.04	1.93	3.10	-0.06	0.87		
		0.40	1.22		-0.03	0.08		-0.09	0.04		-0.04	0.24		-0.05	0.17		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		12.3			1.39			1.24			3.15			3.15	
Median Abs Dev		1.2			0.15			0.25			0.28			0.33	
Avg Within Lab SD		0.5			0.15			0.09			0.12			0.19	
Labs Included		20			20			20			20			20	
Labs Reporting		20			20			20			20			20	



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

Mehlich-3, B (SubTestCode 168)		in the Mehlich-3 Multi-Element Property Groups										Data units: mg/kg			
	SRS1406	SRS1407	SRS1408	SRS1409	SRS1410										
EKCRXX	10.63	0.74	0.74	0.37	0.16	0.75	0.40	0.12	0.00	1.37	0.67	0.59	1.23	0.88	0.70
		1.90	0.15		0.03	0.06		0.03	0.00		0.24	0.06		0.27	0.06
2HPU3C	8.77	0.01	0.74	0.40	0.34	0.00	0.60	0.82	0.00	1.20	0.21	0.00	1.20	0.77	0.00
		0.03	0.15		0.06	0.00		0.23	0.00		0.08	0.00		0.23	0.00
77XW3A	8.73	0.00	1.95	0.37	0.16	2.70	0.10	-0.93	0.00	0.73	-1.08	2.34	0.97	0.00	0.70
		0.00	0.40		0.03	0.21		-0.27	0.00		-0.39	0.23		0.00	0.06
3YVF4E	3.53	-2.04	0.28	0.27	-0.38	0.54	0.30	-0.25	0.32	0.47	-1.81	1.06	0.48	-1.61	0.91
		-5.20	0.06		-0.07	0.04		-0.07	0.02		-0.65	0.10		-0.49	0.08
2VXC28	5.16	-1.40	0.08	0.34	0.00	0.06	0.59	0.79	0.20	0.92	-0.56	0.05	0.86	-0.36	0.06
		-3.57	0.02		0.00	0.00		0.23	0.01		-0.20	0.01		-0.11	0.01
VDXCLE	10.22	0.58	0.29	0.80	2.49	0.04	1.00	2.21	0.26	1.62	1.38	0.10	1.57	2.00	0.21
		1.49	0.06		0.46	0.00		0.63	0.01		0.50	0.01		0.60	0.02
ZBBL2B	6.51	-0.87	0.08	0.31	-0.13	0.07	0.39	0.08	0.21	0.98	-0.41	0.06	0.95	-0.06	0.85
		-2.22	0.02		-0.02	0.01		0.02	0.01		-0.15	0.01		-0.02	0.07
H2Q66K	9.19	0.18	0.89	0.59	1.35	0.78	0.71	1.19	0.63	1.35	0.62	0.12	1.29	1.08	0.69
		0.46	0.19		0.25	0.06		0.34	0.03		0.22	0.01		0.33	0.06
WHN7Y7	7.33	-0.55	2.79	0.30	-0.20	0.00	0.20	-0.58	0.00	0.90	-0.62	0.00	0.87	-0.33	0.70
		-1.40	0.58		-0.04	0.00		-0.17	0.00		-0.22	0.00		-0.10	0.06
MWZJZE	2.54	-2.43		0.10	-1.28		0.22	-0.51		0.54	-1.62		0.62	-1.15	
		-6.19	0.00		-0.24	0.00		-0.15	0.00		-0.58	0.00		-0.35	0.00
RP2M6B	9.52	0.31	0.88	0.25	-0.47	0.57	0.18	-0.67	0.63	1.07	-0.15	0.30	1.01	0.13	0.43
		0.79	0.18		-0.09	0.04		-0.19	0.03		-0.05	0.03		0.04	0.04
LJER2K	7.34	-0.54	0.20	0.41	0.38	0.03	0.76	1.39	0.03	1.27	0.41	0.37	1.21	0.81	0.13
		-1.39	0.04		0.07	0.00		0.40	0.00		0.15	0.04		0.24	0.01
RB2NGE	8.72	-0.01	1.12	0.31	-0.15	0.91	0.31	-0.20	0.62	1.12	0.00	0.23	0.94	-0.08	0.14
		-0.02	0.23		-0.03	0.07		-0.06	0.03		0.00	0.02		-0.02	0.01
TZYQ96	9.72	0.39	0.14	0.21	-0.69	0.44	0.18	-0.66	1.70	0.93	-0.54	1.23	0.73	-0.79	0.89
		0.99	0.03		-0.13	0.03		-0.19	0.08		-0.19	0.12		-0.24	0.07
8B969K	11.53	1.10	0.56	0.27	-0.39	0.03	0.24	-0.46	0.07	1.35	0.62	0.12	1.14	0.56	0.18
		2.80	0.12		-0.07	0.00		-0.13	0.00		0.22	0.01		0.17	0.02
RDUHG4	8.73	0.00	0.56	0.40	0.34	2.60	0.37	0.00	2.39	1.40	0.77	1.76	1.13	0.55	1.85
		0.00	0.12		0.06	0.20		0.00	0.12		0.28	0.17		0.17	0.15
W44REJ	9.55	0.32	0.78	0.81	2.55	0.37	0.54	0.61	2.64	1.13	0.02	2.26	0.88	-0.28	3.00
		0.81	0.16		0.47	0.03		0.17	0.13		0.01	0.22		-0.08	0.25
Grand Median		8.73		0.34			0.37			1.12			0.97		
Median Abs Dev		1.39		0.07			0.17			0.22			0.17		
Avg Within Lab SD		0.21		0.08			0.05			0.10			0.08		
Labs Included		17		17			17			17			17		
Labs Reporting		17		17			17			17			17		



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

Zn - DTPA (SubTestCode 169)		in the Micronutrients Property Groups										Data units: mg/kg			
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	7.87	0.06	0.00	0.37	0.00	0.34	0.65	0.14	0.41	2.42	0.49	0.60	0.98	0.14	0.01
		0.99	0.00		0.00	0.02		0.04	0.02		0.25	0.06		0.06	0.01
MFBFHP	8.19	0.07	0.00	0.29	-0.32	0.45	0.61	-0.03	0.24	2.13	-0.08	0.28	0.96	0.09	0.04
		1.30	0.34		-0.07	0.03		-0.01	0.01		-0.04	0.03		0.04	0.03
EKCRXX	6.88	0.00	0.00	0.36	-0.03	1.36	0.42	-0.71	0.74	2.39	0.44	0.93	0.74	-0.47	0.14
		0.00	0.10		-0.01	0.10		-0.19	0.04		0.22	0.10		-0.18	0.10
RBZUVM	6.19	-0.04	0.00	0.29	-0.35	0.22	0.46	-0.58	0.04	1.95	-0.42	0.48	0.74	-0.49	0.04
		-0.69	0.12		-0.08	0.02		-0.16	0.00		-0.21	0.05		-0.19	0.03
YN7FYE	391.71	21.62	5.92	0.58	0.93	0.67	0.81	0.74	1.33	2.95	1.56	0.59	1.31	1.00	0.06
		384.83	658.43		0.21	0.05		0.20	0.07		0.79	0.06		0.39	0.04
4TLEHA	6.36	-0.03	0.00	0.53	0.74	0.51	0.58	-0.13	0.39	1.57	-1.19	0.64	0.92	0.00	0.06
		-0.52	0.07		0.17	0.04		-0.04	0.02		-0.60	0.07		0.00	0.04
RLNPWN	7.59	0.04	0.00	0.42	0.25	1.06	0.80	0.70	1.30	2.44	0.54	0.71	0.99	0.18	0.05
		0.71	0.22		0.06	0.08		0.19	0.07		0.28	0.08		0.07	0.04
ZZZVNF	6.93	0.00	0.00	0.33	-0.14	0.81	0.47	-0.55	1.06	2.20	0.07	0.93	0.83	-0.23	0.08
		0.05	0.21		-0.03	0.06		-0.15	0.06		0.03	0.10		-0.09	0.06
8DFL3A	5.71	-0.07	0.01	0.54	0.77	0.14	0.50	-0.44	0.59	1.71	-0.91	3.02	0.82	-0.27	0.35
		-1.17	0.78		0.17	0.01		-0.12	0.03		-0.46	0.33		-0.10	0.25
YFBCVH	7.78	0.05	0.00	0.57	0.90	0.14	0.74	0.47	0.66	2.09	-0.15	0.25	1.00	0.21	0.02
		0.89	0.17		0.20	0.01		0.13	0.04		-0.08	0.03		0.08	0.02
826UYA	6.23	-0.04	0.00	0.20	-0.73	0.00	0.57	-0.17	1.06	2.17	0.00	0.54	0.87	-0.15	0.08
		-0.65	0.21		-0.17	0.00		-0.05	0.06		0.00	0.06		-0.06	0.06
7XP3B3	7.93	0.06	0.00	0.30	-0.29	0.00	0.67	0.20	1.06	2.27	0.20	0.54	1.03	0.28	0.08
		1.05	0.12		-0.07	0.00		0.05	0.06		0.10	0.06		0.11	0.06
WC2FCB	5.58	-0.07	0.00	0.35	-0.09	0.08	0.64	0.10	0.18	2.17	0.00	0.54	0.90	-0.06	0.00
		-1.30	0.10		-0.02	0.01		0.03	0.01		0.00	0.06		-0.02	0.00
FXU2ZT	6.77	-0.01	0.00	0.27	-0.44	0.81	0.60	-0.05	1.83	2.03	-0.26	1.07	0.87	-0.15	0.08
		-0.12	0.49		-0.10	0.06		-0.01	0.10		-0.13	0.12		-0.06	0.06
263JG8	7.53	0.04	0.00	0.32	-0.20	0.24	0.48	-0.49	0.46	2.25	0.16	0.19	0.84	-0.21	0.06
		0.65	0.14		-0.05	0.02		-0.13	0.03		0.08	0.02		-0.08	0.04
64X4W7	6.63	-0.01	0.00	0.65	1.25	0.14	0.95	1.27	1.01	2.58	0.81	0.14	1.34	1.08	0.11
		-0.25	0.29		0.28	0.01		0.34	0.06		0.41	0.02		0.42	0.08
HPD69R	6.72	-0.01	0.00	0.39	0.09	0.16	0.71	0.35	0.42	2.35	0.36	0.52	1.00	0.20	0.06
		-0.16	0.07		0.02	0.01		0.09	0.02		0.18	0.06		0.08	0.04
NLT4RL	7.93	0.06	0.00	0.33	-0.14	0.81	0.43	-0.67	1.06	1.97	-0.40	0.54	0.70	-0.58	0.00
		1.05	0.06		-0.03	0.06		-0.18	0.06		-0.20	0.06		-0.22	0.00
ZBBL2B	9.83	0.17	0.00	0.49	0.56	0.08	0.79	0.65	0.11	1.71	-0.91	0.05	1.28	0.93	0.01
		2.95	0.03		0.13	0.01		0.17	0.01		-0.46	0.01		0.36	0.01
MDL89N	8.00	0.06	0.01	2.35	8.72	3.99	2.13	5.65	0.94	1.61	-1.09	1.40	1.61	1.78	0.21
		1.12	0.93		1.98	0.28		1.51	0.05		-0.55	0.15		0.69	0.15



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
MWZJZE	4.60	-0.13		0.30	-0.29		0.62	0.02		2.30	0.26		1.04	0.30	
		-2.28	0.00		-0.07	0.00		0.01	0.00		0.13	0.00		0.12	0.00
X4MT48	6.44	-0.02	0.00	0.45	0.38	0.45	0.53	-0.32	0.11	2.10	-0.14	0.75	0.83	-0.23	0.06
		-0.44	0.08		0.09	0.03		-0.09	0.01		-0.07	0.08		-0.09	0.04
4E3UZ3	7.34	0.03	0.00	0.35	-0.09	0.22	0.81	0.75	0.11	2.34	0.35	1.12	1.07	0.38	0.06
		0.45	0.25		-0.02	0.02		0.20	0.01		0.18	0.12		0.15	0.04
6R6KGZ	7.39	0.03	0.00	0.43	0.30	0.54	0.64	0.10	0.22	2.44	0.53	1.23	0.96	0.09	0.09
		0.51	0.14		0.07	0.04		0.03	0.01		0.27	0.13		0.03	0.06
EXKAWT	6.23	-0.04	0.00	0.38	0.08	0.08	0.56	-0.20	0.49	1.93	-0.47	0.25	0.77	-0.39	0.02
		-0.65	0.04		0.02	0.01		-0.05	0.03		-0.24	0.03		-0.15	0.02
RB2NGE	7.36	0.03	0.00	0.37	0.03	0.43	0.62	0.04	1.29	2.48	0.63	1.33	1.01	0.22	0.08
		0.47	0.16		0.01	0.03		0.01	0.07		0.32	0.14		0.09	0.06
EDAF6L	5.92	-0.05	0.00	0.29	-0.35	0.57	0.42	-0.71	0.11	1.83	-0.66	0.21	0.73	-0.49	0.03
		-0.97	0.04		-0.08	0.04		-0.19	0.01		-0.33	0.02		-0.19	0.02
7EE8HV	9.11	0.12	0.00	0.43	0.27	0.14	0.94	1.22	0.39	2.73	1.11	0.23	1.25	0.84	0.00
		2.22	0.07		0.06	0.01		0.33	0.02		0.56	0.02		0.32	0.00
3P8J4X	6.40	-0.03	0.00	0.50	0.59		0.53	-0.30	1.06	1.80	-0.73	0.93	0.83	-0.23	0.08
		-0.48	0.10		0.13	0.00		-0.08	0.06		-0.37	0.10		-0.09	0.06
72RZLU	6.22	-0.04	0.00	0.24	-0.57	0.07	0.58	-0.13	0.28	2.01	-0.31	0.12	0.86	-0.16	0.02
		-0.67	0.04		-0.13	0.00		-0.04	0.02		-0.16	0.01		-0.06	0.01
JKXUW9	5.97	-0.05	0.00	0.22	-0.63	0.35	0.61	0.00	1.11	1.90	-0.53	0.93	0.81	-0.30	0.08
		-0.92	0.35		-0.14	0.03		0.00	0.06		-0.27	0.10		-0.11	0.06
6KMCVP	6.14	-0.04	0.02	0.22	-0.66	0.09	0.25	-1.34	0.40	0.35	-3.60	0.05	0.30	-1.62	0.04
		-0.74	1.78		-0.15	0.01		-0.36	0.02		-1.82	0.01		-0.63	0.03
RG9DW2	6.30	-0.03	0.00	0.30	-0.29	0.00	0.40	-0.80	0.00	1.90	-0.53	0.00	0.70	-0.58	0.00
		-0.58	0.10		-0.07	0.00		-0.21	0.00		-0.27	0.00		-0.22	0.00
2GJ8RT	12.00	0.29		0.50	0.59		1.10	1.82		3.50	2.64		1.40	1.23	
		5.12	0.00		0.13	0.00		0.49	0.00		1.33	0.00		0.48	0.00
NF8BH8	10.08	0.18	0.00	0.72	1.57	3.42	1.08	1.76	3.86	2.71	1.08	3.25	4.03	8.04	5.89
		3.19	0.46		0.36	0.24		0.47	0.21		0.55	0.35		3.11	4.28
Grand Median		6.88			0.37			0.61			2.17			0.92	
Median Abs Dev		0.71			0.08			0.13			0.25			0.11	
Avg Within Lab SD		111.30			0.07			0.05			0.11			0.73	
Labs Included		35			35			35			35			35	
Labs Reporting		35			35			35			35			35	



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

Mn - DTPA (SubTestCode 170) in the Micronutrients Property Groups															
Data units: mg/kg															
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	6.05	-0.09	0.00	4.30	-0.21	0.26	10.62	-0.20	0.56	57.58	-0.30	0.07	11.54	-0.30	0.05
		-1.80	0.03		-0.80	0.22		-0.88	0.35		-6.09	0.22		-3.06	0.20
MFBFHP	8.37	0.03	0.00	3.87	-0.32	0.18	13.97	0.56	0.33	70.40	0.33	0.67	16.60	0.20	0.17
		0.52	0.21		-1.23	0.15		2.47	0.21		6.73	2.05		2.00	0.66
RBZUVM	6.01	-0.09	0.00	5.52	0.11	0.58	8.94	-0.58	0.35	58.14	-0.27	1.23	12.19	-0.24	0.01
		-1.84	0.07		0.42	0.49		-2.56	0.22		-5.53	3.74		-2.41	0.06
YN7FYE	341.36	16.21	5.20	11.24	1.59	0.76	13.59	0.47	0.33	76.80	0.64	0.15	17.23	0.26	0.18
		333.51	571.27		6.14	0.65		2.09	0.21		13.13	0.47		2.63	0.70
4TLEHA	7.75	0.00	0.00	4.48	-0.16	0.15	8.88	-0.59	0.24	43.84	-0.97	0.08	14.14	-0.04	0.05
		-0.10	0.07		-0.62	0.13		-2.62	0.15		-19.82	0.23		-0.46	0.18
RLNPWN	7.85	0.00	0.00	4.22	-0.23	0.42	15.54	0.91	0.97	75.78	0.59	0.73	16.63	0.20	0.16
		0.00	0.35		-0.88	0.36		4.04	0.60		12.12	2.24		2.03	0.64
ZZZVNF	6.07	-0.09	0.00	5.23	0.03	0.18	10.63	-0.20	0.33	64.67	0.05	0.76	13.93	-0.07	0.12
		-1.78	0.21		0.13	0.15		-0.87	0.21		1.00	2.31		-0.67	0.47
8DFL3A	5.54	-0.11	0.01	3.94	-0.30	0.55	7.04	-1.01	0.89	43.40	-0.99	2.52	10.97	-0.36	0.46
		-2.31	0.56		-1.16	0.47		-4.46	0.56		-20.27	7.67		-3.63	1.80
YFBCVH	7.87	0.00	0.00	5.10	0.00	0.91	7.63	-0.87	1.13	51.00	-0.62	0.50	12.83	-0.17	0.21
		0.02	0.23		0.00	0.78		-3.87	0.70		-12.67	1.51		-1.77	0.81
826UYA	6.20	-0.08	0.00	1.90	-0.83	0.12	11.50	0.00	0.80	67.50	0.19	0.50	14.40	-0.02	0.12
		-1.65	0.53		-3.20	0.10		0.00	0.50		3.83	1.51		-0.20	0.46
7XP3B3	8.00	0.01		4.00	-0.28		14.33	0.64	0.93	62.67	-0.05	1.68	14.67	0.01	0.15
		0.15	0.00		-1.10	0.00		2.83	0.58		-1.00	5.13		0.07	0.58
WC2FCB	5.57	-0.11	0.00	3.53	-0.41	0.14	9.83	-0.38	0.46	63.67	0.00	0.19	11.33	-0.32	0.15
		-2.28	0.06		-1.57	0.12		-1.67	0.29		0.00	0.58		-3.27	0.58
FXU2ZT	7.17	-0.03	0.01	4.47	-0.16	0.64	13.67	0.49	0.98	61.03	-0.13	1.25	14.60	0.00	0.49
		-0.68	0.59		-0.63	0.55		2.17	0.61		-2.63	3.80		0.00	1.92
263JG8	7.87	0.00	0.00	5.57	0.12	0.78	11.45	-0.01	0.62	92.15	1.39	0.37	16.03	0.14	0.19
		0.02	0.15		0.47	0.67		-0.05	0.39		28.48	1.13		1.43	0.72
64X4W7	5.87	-0.10	0.00	3.21	-0.49	0.04	10.85	-0.15	0.72	58.60	-0.25	0.09	12.15	-0.24	0.09
		-1.98	0.22		-1.89	0.03		-0.65	0.45		-5.07	0.26		-2.45	0.35
HPD69R	9.33	0.07	0.01	4.33	-0.20	0.68	15.00	0.79		84.00	1.00	0.33	18.67	0.40	0.30
		1.49	0.58		-0.77	0.58		3.50	0.00		20.33	1.00		4.07	1.15
NLT4RL	6.27	-0.08	0.00	5.37	0.07	0.24	10.13	-0.31	0.24	54.07	-0.47	0.12	10.43	-0.41	0.04
		-1.58	0.06		0.27	0.21		-1.37	0.15		-9.60	0.38		-4.17	0.15
MDL89N	9.20	0.07	0.01	7.71	0.68	1.23	15.64	0.94	2.32	78.76	0.74	2.57	78.76	6.29	2.00
		1.35	0.67		2.61	1.06		4.14	1.45		15.09	7.82		64.16	7.82
MWZJZE	9.32	0.07		6.14	0.27		20.64	2.07		52.31	-0.56		44.38	2.92	
		1.47	0.00		1.04	0.00		9.14	0.00		-11.36	0.00		29.78	0.00
4E3UZ3	9.47	0.08	0.00	8.83	0.96	0.52	15.47	0.90	0.22	73.65	0.49	0.91	20.02	0.53	0.08
		1.62	0.43		3.73	0.45		3.97	0.14		9.99	2.78		5.42	0.33



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
6R6KGZ	10.55	0.13	0.00	13.21	2.10	0.74	13.08	0.36	1.09	83.22	0.96	1.52	22.11	0.74	0.25
		2.70	0.28		8.11	0.63		1.58	0.68		19.56	4.63		7.51	0.98
7EE8HV	11.36	0.17	0.00	11.88	1.75	0.26	19.17	1.73	0.42	86.49	1.12	0.14	25.73	1.09	0.09
		3.51	0.15		6.78	0.22		7.67	0.26		22.82	0.43		11.13	0.35
3P8J4X	5.97	-0.09	0.00	4.27	-0.22	1.00	8.53	-0.67	0.33	53.53	-0.50	0.78	11.03	-0.35	0.23
		-1.88	0.40		-0.83	0.85		-2.97	0.21		-10.13	2.38		-3.57	0.91
JKXUW9	4.93	-0.14	0.00	2.37	-0.71	0.34	12.33	0.19	0.93	51.67	-0.59	0.68	10.57	-0.40	0.32
		-2.91	0.42		-2.73	0.29		0.83	0.58		-12.00	2.08		-4.03	1.25
6KMCVP	7.01	-0.04	0.02	7.87	0.72	0.84	7.38	-0.93	0.11	14.09	-2.43	0.02	8.04	-0.64	0.02
		-0.84	1.79		2.77	0.72		-4.12	0.07		-49.58	0.06		-6.56	0.07
RG9DW2	8.33	0.02	0.01	8.33	0.84	0.68	10.00	-0.34		76.00	0.60	0.33	15.33	0.07	0.15
		0.49	0.58		3.23	0.58		-1.50	0.00		12.33	1.00		0.73	0.58
NF8BH8	14.03	0.30	0.02	22.37	4.47	4.29	20.07	1.94	3.43	104.58	2.00	1.20	33.02	1.81	4.68
		6.18	2.22		17.27	3.66		8.57	2.14		40.91	3.65		18.42	18.28
Grand Median		7.85			5.10			11.5			63.7			14.6	
Median Abs Dev		1.62			1.16			2.6			12.0			3.1	
Avg Within Lab SD		109.94			0.85			0.6			3.0			3.9	
Labs Included		27			27			27			27			27	
Labs Reporting		27			27			27			27			27	



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

Fe - DTPA (SubTestCode 171)	in the Micronutrients Property Groups															Data units: mg/kg		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410					
XQBLZF	15.9	0.0	0.0	13.3	-0.4	1.3	55.6	-0.1	0.4	76.7	0.0	0.5	24.4	-0.1	0.2			
		-0.7	0.2		-2.5	1.5		-3.3	2.3		0.3	1.4		-1.0	0.6			
MFBFHP	16.7	0.0	0.0	15.0	-0.1	0.9	51.3	-0.3	0.2	66.0	-0.5	0.7	24.0	-0.1	0.4			
		0.1	0.6		-0.8	1.0		-7.6	1.2		-10.4	2.0		-1.4	1.0			
RBZUVM	14.0	-0.1	0.0	15.2	-0.1	0.5	45.5	-0.6	0.0	69.5	-0.3	0.2	20.5	-0.4	0.3			
		-2.5	0.8		-0.6	0.5		-13.4	0.2		-6.8	0.6		-4.9	0.9			
YN7FYE	836.6	17.3	5.3	30.4	2.1	1.7	95.0	1.5	2.4	112.6	1.6	0.9	43.7	1.4	0.7			
		820.0	1,405.1		14.6	2.0		36.1	15.9		36.2	2.6		18.3	1.7			
4TLEHA	21.3	0.1	0.0	18.9	0.5	1.0	61.2	0.1	0.1	70.5	-0.3	0.1	32.4	0.5	0.3			
		4.7	0.2		3.1	1.2		2.3	0.9		-5.8	0.4		7.0	0.7			
RLNPWN	7.7	-0.2	0.0	23.0	1.1	1.7	102.1	1.8	1.7	62.2	-0.6	1.0	16.0	-0.7	0.2			
		-8.9	0.6		7.2	2.0		43.2	11.4		-14.1	2.7		-9.4	0.5			
ZZZVNF	14.9	0.0	0.0	14.9	-0.1	0.6	52.4	-0.3	0.1	82.8	0.3	0.7	23.9	-0.1	0.3			
		-1.7	0.9		-0.9	0.7		-6.5	0.9		6.4	2.1		-1.5	0.7			
8DFL3A	12.1	-0.1	0.0	15.9	0.0	0.4	31.0	-1.1	0.4	42.3	-1.5	2.0	18.0	-0.5	1.0			
		-4.5	1.1		0.1	0.5		-28.0	2.3		-34.1	5.5		-7.4	2.6			
YFBCVH	21.4	0.1	0.0	22.7	1.0	0.5	68.7	0.4	0.3	76.1	0.0	0.2	26.7	0.1	0.3			
		4.9	0.2		6.9	0.6		9.8	2.2		-0.3	0.5		1.4	0.8			
826UYA	11.0	-0.1	0.0	13.3	-0.4	0.5	41.7	-0.7	0.4	54.7	-0.9	1.4	18.0	-0.6	0.4			
		-5.6	1.0		-2.5	0.6		-17.3	2.9		-21.7	3.8		-7.4	1.0			
7XP3B3	17.0	0.0	0.0	13.0	-0.4	0.0	58.0	0.0	0.3	79.3	0.1	0.2	28.7	0.2	0.5			
		0.5	0.0		-2.8	0.0		-0.9	2.0		3.0	0.6		3.3	1.2			
WC2FCB	15.3	0.0	0.0	12.7	-0.5	0.2	48.0	-0.4	0.2	72.7	-0.2	0.4	21.3	-0.3	0.2			
		-1.3	0.1		-3.1	0.3		-10.9	1.0		-3.7	1.2		-4.1	0.6			
FXU2ZT	16.4	0.0	0.0	13.9	-0.3	1.5	68.6	0.4	2.7	76.9	0.0	2.0	25.4	0.0	0.8			
		-0.1	1.4		-1.9	1.7		9.7	17.6		0.6	5.5		0.1	2.0			
263JG8	15.2	0.0	0.0	13.9	-0.3	0.3	59.8	0.0	0.5	85.0	0.4	1.3	28.7	0.2	0.3			
		-1.4	0.5		-1.9	0.3		0.9	3.4		8.6	3.6		3.3	0.8			
64X4W7	12.8	-0.1	0.0	11.0	-0.7	0.9	44.2	-0.6	0.5	72.6	-0.2	0.4	21.8	-0.3	0.2			
		-3.8	0.9		-4.8	1.1		-14.7	3.4		-3.8	1.1		-3.6	0.4			
HPD69R	20.3	0.1	0.0	19.7	0.6	2.2	88.7	1.2	1.9	109.7	1.5	1.8	33.0	0.6	0.4			
		3.8	1.5		3.9	2.5		29.8	12.7		33.3	5.0		7.6	1.0			
NLT4RL	17.8	0.0	0.0	16.9	0.2	0.2	45.8	-0.5	0.2	68.9	-0.3	0.5	22.8	-0.2	0.1			
		1.3	0.1		1.1	0.3		-13.1	1.6		-7.5	1.4		-2.6	0.4			
MDL89N	21.3	0.1	0.0	15.7	0.0	0.9	82.3	1.0	0.5	107.2	1.4	1.2	107.2	6.1	1.3			
		4.8	1.1		-0.1	1.1		23.4	3.3		30.9	3.4		81.9	3.4			
MWZJZE	18.5	0.0	0.0	12.3	-0.5	0.0	29.4	-1.2	0.0	103.6	1.2	0.0	52.3	2.0	0.0			
		2.0	0.0		-3.5	0.0		-29.6	0.0		27.3	0.0		27.0	0.0			
4E3UZ3	17.9	0.0	0.0	14.6	-0.2	0.2	78.9	0.8	0.9	80.8	0.2	0.6	29.2	0.3	0.2			
		1.4	0.7		-1.2	0.2		20.0	6.1		4.4	1.5		3.8	0.6			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
6R6KGZ	20.1	0.1	0.0	23.6	1.1	0.2	62.5	0.1	0.6	95.2	0.8	0.9	30.1	0.4	0.3
		3.6	0.7		7.8	0.3		3.6	3.7		18.8	2.6		4.8	0.7
7EE8HV	25.6	0.2	0.0	26.9	1.6	0.4	116.9	2.4	0.2	116.3	1.7	0.4	47.3	1.6	0.2
		9.0	0.1		11.1	0.4		58.0	1.4		40.0	1.1		22.0	0.5
3P8J4X	13.9	-0.1	0.0	11.9	-0.6	0.9	43.5	-0.6	1.1	57.5	-0.8	1.2	19.0	-0.5	0.5
		-2.7	0.6		-3.9	1.0		-15.4	7.0		-18.9	3.4		-6.4	1.2
JKXUW9	15.6	0.0	0.0	48.3	4.7	1.3	68.3	0.4	1.1	66.9	-0.4	1.4	24.1	-0.1	0.6
		-0.9	0.6		32.5	1.5		9.4	7.1		-9.5	3.9		-1.3	1.6
6KMCVP	15.9	0.0	0.0	16.6	0.1	1.0	52.4	-0.3	0.2	21.1	-2.4	0.0	13.5	-0.9	0.1
		-0.7	4.2		0.8	1.2		-6.5	1.1		-55.2	0.1		-11.8	0.2
RG9DW2	17.3	0.0	0.0	16.0	0.0		44.3	-0.6	0.1	86.3	0.4	0.5	25.3	0.0	0.2
		0.8	0.6		0.2	0.0		-14.6	0.6		10.0	1.5		-0.1	0.6
2GJ8RT	16.1	0.0		17.3	0.2		66.8	0.3		76.0	0.0		28.6	0.2	
		-0.5	0.0		1.5	0.0		7.9	0.0		-0.4	0.0		3.2	0.0
NF8BH8	21.0	0.1	0.0	23.9	1.2	2.3	83.0	1.0	1.8	95.8	0.9	1.7	32.5	0.5	4.7
		4.4	1.9		8.1	2.7		24.1	11.8		19.4	4.8		7.1	11.9
Grand Median		16.6			15.8			58.9			76.4			25.4	
Median Abs Dev		2.2			2.7			13.3			9.7			4.4	
Avg Within Lab SD		265.5			1.2			6.6			2.8			2.5	
Labs Included		28			28			28			28			28	
Labs Reporting		28			28			28			28			28	



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

Cu - DTPA (SubTestCode 172) in the Micronutrients Property Groups															Data units: mg/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	9.48	0.01	0.00	0.59	0.20	0.98	0.55	0.27	0.01	2.12	0.60	0.39	1.33	0.09	0.01
		1.81	0.04		0.04	0.06		0.05	0.00		0.31	0.03		0.05	0.01
MFBFHP	9.20	0.01	0.00	0.48	-0.32	1.02	0.50	-0.03	0.70	1.81	0.00	1.42	1.41	0.25	0.12
		1.53	0.50		-0.06	0.06		-0.01	0.03		0.00	0.11		0.14	0.10
RBZUVM	6.40	-0.01	0.00	0.47	-0.37	0.08	0.36	-0.78	0.09	1.58	-0.44	0.14	0.96	-0.59	0.03
		-1.27	0.29		-0.07	0.00		-0.14	0.00		-0.23	0.01		-0.32	0.03
YN7FYE	2,995.42	18.02	5.20	0.92	1.88	3.26	0.66	0.91	1.26	2.45	1.24	1.73	1.49	0.39	0.10
		2,987.76	5,172.40		0.37	0.18		0.16	0.05		0.65	0.13		0.21	0.09
4TLEHA	6.30	-0.01	0.00	0.83	1.46	0.56	0.59	0.52	0.27	1.30	-0.98	0.11	1.28	0.00	0.02
		-1.37	0.05		0.29	0.03		0.09	0.01		-0.51	0.01		0.00	0.01
RLNPWN	8.48	0.00	0.00	0.56	0.08	0.71	0.67	0.96	1.02	2.17	0.69	1.06	1.38	0.19	0.08
		0.81	0.30		0.02	0.04		0.17	0.04		0.36	0.08		0.10	0.07
ZZZVNF	7.67	0.00	0.00	0.60	0.27	0.00	0.50	0.00	0.00	2.00	0.37	1.33	1.13	-0.26	0.07
		0.00	0.32		0.05	0.00		0.00	0.00		0.19	0.10		-0.14	0.06
8DFL3A	5.95	-0.01	0.00	0.80	1.30	0.67	0.37	-0.73	0.74	1.48	-0.62	1.36	1.00	-0.52	0.07
		-1.72	0.57		0.26	0.04		-0.13	0.03		-0.32	0.10		-0.28	0.06
YFBCVH	7.29	0.00	0.00	0.78	1.17	0.10	0.65	0.86	0.16	1.65	-0.30	0.31	1.30	0.04	0.04
		-0.37	0.19		0.23	0.01		0.15	0.01		-0.15	0.02		0.02	0.03
826UYA	6.13	-0.01	0.00	0.30	-1.25	0.00	0.40	-0.56	0.00	1.57	-0.46	0.77	1.07	-0.39	0.07
		-1.53	0.35		-0.25	0.00		-0.10	0.00		-0.24	0.06		-0.21	0.06
7XP3B3	8.30	0.00	0.00	0.50	-0.24		0.57	0.37	1.61	1.80	-0.01	0.00	1.30	0.04	0.00
		0.63	0.10		-0.05	0.00		0.07	0.06		-0.01	0.00		0.02	0.00
WC2FCB	6.33	-0.01	0.00	0.55	0.00	0.10	0.48	-0.09	0.80	1.93	0.24	0.77	1.19	-0.16	0.03
		-1.33	0.12		0.00	0.01		-0.02	0.03		0.13	0.06		-0.09	0.02
FXU2ZT	7.01	0.00	0.00	0.39	-0.81	0.54	0.44	-0.34	0.56	1.67	-0.27	1.26	1.14	-0.25	0.10
		-0.66	0.44		-0.16	0.03		-0.06	0.02		-0.14	0.09		-0.14	0.09
263JG8	8.15	0.00	0.00	0.53	-0.08	0.64	0.49	-0.07	0.85	1.93	0.24	0.93	1.19	-0.16	0.02
		0.48	0.05		-0.02	0.04		-0.01	0.03		0.12	0.07		-0.09	0.02
64X4W7	6.11	-0.01	0.00	0.31	-1.20	0.29	0.36	-0.77	0.70	1.74	-0.12	0.08	1.05	-0.42	0.05
		-1.56	0.22		-0.24	0.02		-0.14	0.03		-0.06	0.01		-0.23	0.04
HPD69R	9.47	0.01	0.00	0.64	0.49	0.20	0.71	1.20	2.09	2.40	1.14	0.00	1.63	0.66	0.07
		1.80	0.12		0.10	0.01		0.21	0.08		0.59	0.00		0.36	0.06
NLT4RL	8.90	0.01	0.00	0.53	-0.07	1.02	0.40	-0.56	0.00	1.67	-0.27	0.77	1.10	-0.32	0.12
		1.23	0.10		-0.01	0.06		-0.10	0.00		-0.14	0.06		-0.18	0.10
MDL89N	10.27	0.02	0.00	0.23	-1.62	1.04	0.44	-0.34	0.96	2.10	0.56	1.89	2.10	1.52	0.17
		2.60	0.51		-0.32	0.06		-0.06	0.03		0.29	0.14		0.82	0.14
MWZJZE	5.40	-0.01		0.52	-0.14		0.34	-0.90		1.43	-0.73		1.76	0.89	
		-2.27	0.00		-0.03	0.00		-0.16	0.00		-0.38	0.00		0.48	0.00
4E3UZ3	8.14	0.00	0.00	0.54	-0.05	0.27	0.72	1.24	0.74	2.05	0.47	1.41	1.53	0.47	0.05
		0.47	0.26		-0.01	0.02		0.22	0.03		0.24	0.11		0.25	0.05



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6R6KGZ	8.16	0.00	0.00	0.69	0.75	0.81	0.73	1.30	0.69	2.56	1.44	1.47	1.68	0.74	0.07
		0.49	0.13		0.15	0.05		0.23	0.02		0.75	0.11		0.40	0.06
7EE8HV	9.09	0.01	0.00	0.66	0.59	0.18	0.81	1.75	0.34	2.28	0.91	0.15	1.65	0.70	0.03
		1.42	0.05		0.12	0.01		0.31	0.01		0.47	0.01		0.38	0.02
3P8J4X	6.97	0.00	0.00	0.60	0.27	0.00	0.43	-0.37	1.61	1.53	-0.53	0.77	1.10	-0.32	0.12
		-0.70	0.06		0.05	0.00		-0.07	0.06		-0.27	0.06		-0.18	0.10
JKXUW9	6.70	-0.01	0.00	0.39	-0.78	0.10	0.51	0.07	0.32	1.63	-0.33	0.77	1.13	-0.26	0.07
		-0.97	0.36		-0.15	0.01		0.01	0.01		-0.17	0.06		-0.14	0.06
6KMCVP	6.43	-0.01	0.00	0.42	-0.63	0.55	0.29	-1.19	0.02	0.45	-2.62	0.01	0.55	-1.34	0.00
		-1.24	1.92		-0.12	0.03		-0.21	0.00		-1.36	0.00		-0.73	0.00
RG9DW2	7.00	0.00	0.00	0.70	0.78	0.00	0.50	0.00	0.00	1.90	0.18	0.00	1.10	-0.32	0.00
		-0.67	0.10		0.15	0.00		0.00	0.00		0.09	0.00		-0.18	0.00
NF8BH8	9.82	0.01	0.00	0.82	1.41	3.00	0.86	2.01	3.06	3.07	2.44	1.94	5.01	6.90	5.18
		2.16	0.40		0.28	0.17		0.36	0.11		1.27	0.15		3.74	4.38
Grand Median		7.67			0.55			0.50			1.81			1.28	
Median Abs Dev		1.27			0.12			0.10			0.24			0.18	
Avg Within Lab SD		995.43			0.06			0.04			0.08			0.85	
Labs Included		27			27			27			27			27	
Labs Reporting		27			27			27			27			27	



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

Zn - HCl (SubTestCode 173)	in the Micronutrients Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
MWZJZE	0.62	0.00	1.02	0.00	1.93	0.00	3.31	0.00	3.52	0.00	
		0.50		0.05		0.53		0.33		0.69	
7EE8HV	27.35	0.58	1.34	0.01	2.54	0.12	5.61	0.07	5.14	0.10	
		1.32		1.41		1.31		1.38		1.23	
W44REJ	25.40	1.56	1.37	0.21	1.83	0.31	4.53	0.29	3.60	0.17	
Grand Median	25.4		1.34		1.93		4.53		3.60		
Median Abs Dev											
Avg Within Lab SD	1.2		0.15		0.23		0.21		0.14		
Labs Included	3		3		3		3		3		
Labs Reporting	3		3		3		3		3		



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

Mn-H3PO4 (SubTestCode 174)	in the Micronutrients Property Groups										Data units: mg/kg
SRS1406	SRS1407		SRS1408		SRS1409		SRS1410				
W44REJ	4.00		6.67	1.00	12.00	1.00	26.00	1.00	13.67	1.00	
		0.00		1.15		2.00		2.65		1.53	
Grand Median	4.00		6.67		12.0		26.0		13.7		
Median Abs Dev											
Avg Within Lab SD	0.00		1.15		2.0		2.6		1.5		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

	in the Micronutrients Property Groups														
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
CI - Ca(NO3)2 Extr. (SubTestCode 175)	Data units: mg/kg														
YN7FYE	1,777.7	1.2	1.5	19.6	0.6	0.4	40.3	0.2	1.5	18.4	0.9	0.9	81.4	0.8	0.9
		378.0	134.4		5.7	0.9		2.5	3.2		4.1	1.0		11.3	3.2
4TLEHA	1,203.8	-0.6	0.0	39.7	2.7	0.1	18.0	-2.0	0.1	2.9	-2.4	0.3	48.5	-1.5	0.0
		-195.9	1.1		25.9	0.2		-19.9	0.2		-11.4	0.4		-21.6	0.1
ZZZVNF	1,598.7	0.6	1.8	10.4	-0.4	0.5	33.6	-0.4	1.1	14.3	0.0	0.8	71.9	0.1	1.5
		199.0	156.9		-3.4	1.2		-4.2	2.4		0.0	0.9		1.8	5.2
826UYA	1,239.0	-0.5	1.0	20.4	0.7	2.7	45.4	0.7	1.8	23.0	1.8	0.8	57.3	-0.9	0.6
		-160.7	86.7		6.6	5.7		7.5	3.8		8.7	1.0		-12.8	2.1
WC2FCB	1,225.0	-0.6	0.3	14.7	0.1	0.3	35.3	-0.2	0.3	14.3	0.0	0.5	68.3	-0.1	0.4
		-174.7	25.0		0.8	0.6		-2.5	0.6		0.0	0.6		-1.8	1.5
NLT4RL	1,560.3	0.5	0.7	13.0	-0.1	0.4	29.7	-0.8	0.6	15.0	0.2	0.3	63.2	-0.5	0.1
		160.7	61.5		-0.8	0.8		-8.2	1.3		0.7	0.3		-6.9	0.4
RP2M6B	1,202.7	-0.6	0.6	8.6	-0.5	0.1	43.1	0.5	0.7	13.9	-0.1	1.9	76.8	0.5	2.0
		-197.0	56.1		-5.2	0.3		5.3	1.5		-0.4	2.3		6.7	7.0
JKXUW9	1,590.7	0.6	0.7	9.8	-0.4	0.4	42.3	0.4	0.2	14.2	0.0	1.4	84.3	1.0	0.3
		191.0	61.7		-4.1	0.9		4.5	0.5		-0.1	1.7		14.1	1.0
Grand Median	1,399.7			13.8			37.8			14.3			70.1		
Median Abs Dev	193.5			4.6			4.9			0.6			9.1		
Avg Within Lab SD	87.7			2.1			2.1			1.2			3.4		
Labs Included	8			8			8			8			8		
Labs Reporting	8			8			8			8			8		



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

B - Hot Wat. (SubTestCode 176)	in the Micronutrients Property Groups															Data units: mg/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
YN7FYE	3,109.88	11.35	4.12	0.40	1.25	1.04	0.33	0.36	0.91	1.59	0.99	0.59	0.69	0.84	0.55	
		3,103.17	5,371.20		0.17	0.03		0.04	0.02		0.44	0.04		0.21	0.02	
4TLEHA	13.64	0.03	0.00	0.74	3.71	2.08	0.35	0.53	1.15	1.01	-0.32	0.84	1.07	2.38	0.75	
		6.93	0.30		0.51	0.06		0.05	0.02		-0.14	0.06		0.59	0.03	
RLNPWN	2.73	-0.01	0.00	0.07	-1.11	0.58	0.08	-2.08	0.96	0.54	-1.38	1.80	0.26	-0.92	1.62	
		-3.98	0.56		-0.15	0.02		-0.21	0.02		-0.61	0.13		-0.23	0.06	
YFBCVH	6.12	0.00	0.00	0.26	0.24	0.19	0.27	-0.23	0.00	0.96	-0.44	0.08	0.45	-0.15	0.00	
		-0.59	0.03		0.03	0.01		-0.02	0.00		-0.19	0.01		-0.04	0.00	
WNFDGE	9.14	0.01	0.00	0.26	0.25	0.05	0.32	0.29	0.39	1.45	0.69	1.12	0.74	1.02	0.20	
		2.44	0.07		0.03	0.00		0.03	0.01		0.30	0.08		0.25	0.01	
X4MT48	2.28	-0.02	0.00	0.33	0.75	1.05	0.33	0.36	1.99	0.50	-1.46	0.42	0.56	0.30	1.12	
		-4.43	0.07		0.10	0.03		0.04	0.04		-0.65	0.03		0.07	0.04	
4E3UZ3	5.26	-0.01	0.00	0.13	-0.70	0.19	0.16	-1.33	0.84	0.63	-1.18	0.75	0.24	-1.00	0.44	
		-1.44	0.11		-0.10	0.01		-0.14	0.02		-0.52	0.06		-0.25	0.02	
ZV7WC6	6.71	0.00	0.14													
		0.00	0.00		-0.05	0.98		-0.70	1.46		0.50	1.14		-0.05	1.45	
6R6KGZ	7.85	1.15	0.27	0.22	-0.01	0.03	0.22	-0.07	0.03	1.37	0.22	0.08	0.47	-0.01	0.06	
		0.00	0.00		0.00	0.82		-0.36	0.32		0.48	0.72		0.60	0.15	
H4XM3G	7.60	0.89	0.17	0.22	0.00	0.03	0.26	-0.04	0.01	1.36	0.21	0.05	0.63	0.15	0.01	
		0.01	0.00		-0.02	0.21		0.20	0.27		0.42	0.33		0.38	0.26	
2HERJY	8.15	1.45	0.32	0.22	0.00	0.01	0.31	0.02	0.00	1.34	0.19	0.02	0.58	0.09	0.01	
					0.80	1.88		-0.91	0.00		-0.26	0.79		-0.35	0.00	
RG9DW2				0.33	0.11	0.06	0.20	-0.09	0.00	1.03	-0.12	0.06	0.40	-0.09	0.00	
					-1.01	0.94		-1.89	0.00		-1.28	0.39		-1.17	0.00	
RDUHG4	5.37	-1.34	0.40	0.08	-0.14	0.03	0.10	-0.19	0.00	0.58	-0.57	0.03	0.20	-0.29	0.00	
		0.00	0.00		-0.16	0.34		-0.79	1.07		-0.34	0.21		-0.50	1.42	
9Z9V3M	6.65	-0.06	0.44	0.20	-0.02	0.01	0.21	-0.08	0.02	1.00	-0.15	0.02	0.36	-0.12	0.06	
		0.00	0.00		-0.10	0.56		0.03	2.09		0.21	0.08		0.00	0.82	
FKRFTX	6.84	0.13	0.21	0.21	-0.01	0.02	0.30	0.00	0.04	1.24	0.09	0.01	0.49	0.00	0.03	
		0.01			0.19			0.36			0.95			1.03		
2TTR8F	8.99	2.28	0.00	0.25	0.03	0.00	0.33	0.04	0.00	1.57	0.42	0.00	0.74	0.25	0.00	
		0.00	0.00		-0.34	0.19		0.00	1.15		0.00	0.72		-0.31	0.77	
BWHFH6	6.67	-0.04	0.15	0.18	-0.05	0.01	0.29	0.00	0.02	1.15	0.00	0.05	0.41	-0.08	0.03	
		-0.02	0.00		0.80	1.88		1.04	0.00		0.57	2.73		0.46	2.56	
W44REJ	0.83	-5.87	0.06	0.33	0.11	0.06	0.40	0.11	0.00	1.40	0.25	0.20	0.60	0.11	0.10	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	6.71			0.22			0.29			1.15			0.49		
Median Abs Dev	1.44			0.05			0.04			0.22			0.12		
Avg Within Lab SD	1,302.71			0.03			0.02			0.07			0.04		
Labs Included	17			17			17			17			17		
Labs Reporting	17			17			17			17			17		



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

B-DTPA/Sorbitol (SubTestCode 177)			in the Micronutrients Property Groups												Data units: mg/kg	
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	6.51	0.00	0.52	0.08	-0.28	0.00	0.08	-0.97	0.08	0.34	-0.51	0.22	0.32	-0.73	0.29	
		0.00	0.11		-0.02	0.00		-0.08	0.00		-0.05	0.01		-0.05	0.01	
MFBFHP	6.87	0.46	1.61	0.07	-0.42	0.60	0.07	-1.05	0.00	0.31	-0.82	0.19	0.37	0.00	0.53	
		0.36	0.35		-0.03	0.01		-0.08	0.00		-0.09	0.01		0.00	0.02	
ZZZVNF	6.82	0.41	1.03	0.13	0.38	2.08	0.17	0.17	0.78	0.53	1.27	1.08	0.40	0.53	0.53	
		0.32	0.23		0.03	0.02		0.01	0.02		0.13	0.03		0.04	0.02	
8DFL3A	4.87	-2.11	2.04	0.40	3.80	2.17	0.19	0.50	1.18	0.42	0.25	1.54	0.40	0.44	1.05	
		-1.63	0.44		0.30	0.02		0.04	0.02		0.03	0.05		0.03	0.03	
826UYA	5.62	-1.14	1.03	0.06	-0.50	0.00	0.11	-0.59	0.78	0.39	-0.06	1.36	0.35	-0.29	1.11	
		-0.88	0.23		-0.04	0.00		-0.05	0.02		-0.01	0.04		-0.02	0.03	
7XP3B3	6.57	0.08	0.26	0.10	0.00	0.00	0.20	0.59	0.00	0.40	0.06	0.00	0.37	0.00	1.99	
		0.06	0.06		0.00	0.00		0.05	0.00		0.01	0.00		0.00	0.06	
WC2FCB	5.83	-0.87	0.26	0.10	0.00	0.00	0.14	-0.17	0.89	0.50	0.98	0.19	0.20	-2.43	0.00	
		-0.67	0.06		0.00	0.00		-0.01	0.02		0.10	0.01		-0.17	0.00	
FXU2ZT	6.70	0.25	0.46										0.30	-0.97	0.00	
		0.19	0.10											-0.07	0.00	
NLT4RL	7.30	1.03	0.00	0.20	1.25	0.00	0.30	1.85	0.00	0.57	1.65	1.94	0.43	0.97	1.99	
		0.79	0.00		0.10	0.00		0.15	0.00		0.17	0.06		0.07	0.06	
3P8J4X	5.70	-1.04	0.79	0.10	0.00	0.00	0.10	-0.67	0.00	0.30	-0.89	0.00	0.30	-0.97	0.00	
		-0.81	0.17		0.00	0.00		-0.05	0.00		-0.09	0.00		-0.07	0.00	
JKXUW9	6.49	-0.02	0.94	0.09	-0.12	0.77	0.17	0.20	2.57	0.37	-0.25	0.87	0.37	0.09	0.36	
		-0.01	0.20		-0.01	0.01		0.02	0.05		-0.03	0.03		0.01	0.01	
Grand Median		6.51			0.10			0.15			0.39			0.37		
Median Abs Dev		0.36			0.03			0.05			0.07			0.04		
Avg Within Lab SD		0.22			0.01			0.02			0.03			0.03		
Labs Included		11			10			10			10			11		
Labs Reporting		11			10			10			10			11		



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

Soil Kjeldahl N (SubTestCode 178)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
RLNPWN	0.224	1.579	1.768	0.134	2.531	1.518	0.162	1.781	0.571	0.290	1.654	0.343	0.229	1.783	0.741
		0.049	0.018		0.067	0.008		0.056	0.004		0.046	0.002		0.041	0.006
ZZZVNF	0.161	-0.439	0.850	0.067	0.000	1.094	0.106	-0.011	0.666	0.224	-0.702	1.135	0.175	-0.584	0.669
		-0.014	0.009		0.000	0.006		0.000	0.005		-0.020	0.008		-0.013	0.006
8DFL3A	0.175	0.000	0.055	0.067	-0.010	0.231	0.106	0.000	0.013	0.252	0.294	0.043	0.184	-0.209	0.194
		0.000	0.001		0.000	0.001		0.000	0.000		0.008	0.000		-0.005	0.002
7XP3B3	0.153	-0.719	0.056	0.066	-0.063	0.378	0.095	-0.337	0.753	0.233	-0.405	0.659	0.188	0.000	1.952
		-0.022	0.001		-0.002	0.002		-0.011	0.006		-0.011	0.005		0.000	0.016
ZV7WC6	0.150	-0.806	0.000	0.060	-0.277	0.000	0.097	-0.295	0.764	0.240	-0.143	0.000	0.180	-0.365	0.000
		-0.025	0.000		-0.007	0.000		-0.009	0.006		-0.004	0.000		-0.008	0.000
TZYQ96	0.186	0.368	0.553	0.103	1.361	0.105	0.151	1.433	1.655	0.244	0.000	0.789	0.204	0.686	0.480
		0.011	0.006		0.036	0.001		0.045	0.013		0.000	0.006		0.016	0.004
W44REJ	0.200	0.810	1.685	0.080	0.479	1.815	0.133	0.864	1.529	0.287	1.524	2.130	0.213	1.095	1.387
		0.025	0.017		0.013	0.010		0.027	0.012		0.043	0.015		0.025	0.012
Grand Median		0.17			0.067			0.11			0.24			0.19	
Median Abs Dev		0.02			0.007			0.01			0.01			0.01	
Avg Within Lab SD		0.01			0.006			0.01			0.01			0.01	
Labs Included		7			7			7			7			7	
Labs Reporting		7			7			7			7			7	



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

Soil TN (combustion) (SubTestCode 179)			in the Soil Organic Matter Property Groups									Data units: Percent		
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
XQBLZF	0.177	-0.001 0.000	0.077	0.880 2.104	0.117	0.040 1.829	0.260	0.151 3.068	0.185	-0.040 0.940				
		-0.005 0.012		0.010 0.012		0.005 0.012		0.004 0.026		-0.001 0.005				
MFBFHP	0.191	0.002 0.000	0.072	0.454 0.278	0.114	0.017 0.183	0.264	0.308 0.116	0.191	0.232 0.287				
		0.009 0.003		0.005 0.002		0.002 0.001		0.008 0.001		0.005 0.002				
YN7FYE	58.116	9.405 3.742	0.067	0.057 0.182	0.108	-0.030 0.091	0.255	-0.045 0.005	0.187	0.040 0.217				
		57.935 100.358		0.001 0.001		-0.004 0.001		-0.001 0.000		0.001 0.001				
8DFL3A	0.190	0.001 0.000	0.070	0.312 0.000	0.127	0.118 0.915	0.263	0.282 0.669	0.197	0.520 1.086				
		0.008 0.000		0.004 0.000		0.015 0.006		0.007 0.006		0.011 0.006				
7XP3B3	0.210	0.005 0.001	0.074	0.681 1.788	0.139	0.213 1.039	0.263	0.256 1.102	0.204	0.888 2.321				
		0.028 0.018		0.008 0.010		0.028 0.007		0.006 0.010		0.019 0.012				
NLT4RL	0.187	0.001 0.000	0.066	-0.057 0.821	0.113	0.012 0.690	0.261	0.177 0.241	0.190	0.184 0.109				
		0.005 0.001		-0.001 0.005		0.002 0.004		0.004 0.002		0.004 0.001				
WHN7Y7	0.203	0.004 0.001	0.070	0.312 0.000	0.127	0.118 0.915	0.270	0.544 0.000	0.200	0.680 1.881				
		0.022 0.015		0.004 0.000		0.015 0.006		0.014 0.000		0.014 0.010				
RP2M6B	0.164	-0.003 0.000	0.056	-0.908 0.379	0.091	-0.162 0.659	0.245	-0.454 0.268	0.169	-0.792 0.712				
		-0.017 0.003		-0.011 0.002		-0.021 0.004		-0.012 0.002		-0.017 0.004				
ZV7WC6	0.107	-0.012 0.000	0.050	-1.390 1.822	0.030	-0.632 1.584	0.193	-2.476 1.339	0.120	-3.161 0.000				
		-0.075 0.006		-0.016 0.010		-0.082 0.010		-0.063 0.012		-0.066 0.000				
3C6QXV	0.170	-0.002	0.050	-1.390	0.097	-0.112	0.210	-1.819	0.170	-0.760				
		-0.012 0.000		-0.016 0.000		-0.015 0.000		-0.046 0.000		-0.016 0.000				
VC4N74	0.173	-0.001 0.000	0.090	2.014 0.000	0.110	-0.012 0.000	0.227	-1.163 0.669	0.180	-0.280 0.000				
		-0.008 0.006		0.024 0.000		-0.002 0.000		-0.030 0.006		-0.006 0.000				
7EE8HV	0.193	0.002 0.000	0.065	-0.113 0.835	1.113	7.768 1.829	0.257	0.045 0.373	0.193	0.344 0.326				
		0.012 0.002		-0.001 0.005		1.002 0.012		0.001 0.003		0.007 0.002				
8B969K	0.171	-0.002 0.000	0.062	-0.369 1.014	0.098	-0.107 0.797	0.245	-0.440 0.116	0.176	-0.456 0.965				
		-0.010 0.009		-0.004 0.006		-0.014 0.005		-0.011 0.001		-0.010 0.005				
6KMCVP	0.158	-0.004 0.000	0.060	-0.506 0.636	0.098	-0.104 0.678	0.224	-1.282 0.625	0.164	-1.064 1.150				
		-0.024 0.002		-0.006 0.003		-0.013 0.004		-0.033 0.005		-0.022 0.006				
Grand Median		0.18		0.066		0.11		0.26		0.19				
Median Abs Dev		0.01		0.006		0.01		0.01		0.01				
Avg Within Lab SD		26.82		0.005		0.01		0.01		0.01				
Labs Included		14		14		14		14		14				
Labs Reporting		14		14		14		14		14				



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

Soil TOC (Combustion) (SubTestCode 180)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	1.94	0.22	0.16	0.82	0.00	1.16	1.28	0.07	0.47	3.15	0.22	1.32	2.18	0.29	0.28	
		0.13	0.01		0.00	0.05		0.02	0.02		0.12	0.05		0.12	0.01	
RLNPWN	0.90	-1.53	1.59	1.78	2.92	0.45	1.33	0.30	2.58	2.51	-0.97	1.80	1.92	-0.35	1.55	
		-0.91	0.07		0.95	0.02		0.07	0.12		-0.52	0.07		-0.14	0.08	
D2639V	1.13	-1.13	1.38	0.73	-0.28	1.48	1.20	-0.27	0.00	2.80	-0.44	0.00	1.70	-0.91	0.00	
		-0.67	0.06		-0.09	0.06		-0.06	0.00		-0.24	0.00		-0.37	0.00	
RP2M6B	1.86	0.08	0.58	0.82	-0.01	0.62	1.22	-0.16	0.20	2.99	-0.09	0.25	1.99	-0.19	0.58	
		0.05	0.02		0.00	0.02		-0.04	0.01		-0.05	0.01		-0.08	0.03	
4E3UZ3	3.15	2.26	0.48	1.63	2.46	0.00	2.29	4.43	1.52	5.08	3.82	1.46	3.70	4.07	2.62	
		1.34	0.02		0.80	0.00		1.03	0.07		2.05	0.06		1.64	0.14	
ZV7WC6	2.07	0.45	1.68	0.97	0.45	2.39	1.38	0.49	0.12	3.30	0.50	0.40	2.21	0.36	0.39	
		0.27	0.07		0.15	0.09		0.11	0.01		0.27	0.02		0.14	0.02	
TZYQ96	1.23	-0.96	1.38	1.30	1.45	0.00	1.47	0.88	1.25	3.13	0.18	1.53	2.27	0.50	1.11	
		-0.57	0.06		0.47	0.00		0.20	0.06		0.10	0.06		0.20	0.06	
3C6QXV	1.88	0.12	0.00	0.79	-0.11		1.16	-0.44		2.60	-0.81		2.18	0.28		
		0.07	0.00		-0.04	0.00		-0.10	0.00		-0.44	0.00		0.11	0.00	
2HERJY	1.35	-0.77	0.47	0.78	-0.13	0.63	1.25	-0.07	0.48	3.12	0.15	0.64	1.81	-0.65	0.81	
		-0.46	0.02		-0.04	0.02		-0.02	0.02		0.08	0.02		-0.26	0.04	
VC4N74	1.76	-0.08	0.50	0.83	0.00	0.39	1.17	-0.38	0.54	2.73	-0.57	0.26	2.02	-0.11	0.39	
		-0.05	0.02		0.00	0.02		-0.09	0.03		-0.31	0.01		-0.05	0.02	
7EE8HV	2.00	0.33	0.66	0.89	0.20	0.85	1.33	0.30	0.12	3.09	0.09	0.37	2.11	0.11	0.19	
		0.20	0.03		0.07	0.03		0.07	0.01		0.05	0.01		0.05	0.01	
6KMCVP	1.72	-0.15	1.17	0.80	-0.08	0.94	1.19	-0.30	0.83	2.91	-0.23	1.32	1.96	-0.27	0.29	
		-0.09	0.05		-0.03	0.04		-0.07	0.04		-0.12	0.05		-0.11	0.02	
Grand Median		1.81		0.83			1.26			3.04			2.07			
Median Abs Dev		0.23		0.05			0.07			0.18			0.13			
Avg Within Lab SD		0.04		0.04			0.05			0.04			0.05			
Labs Included		12		12			12			12			12			
Labs Reporting		12		12			12			12			12			



ALP Program - Participant Web Summary Report - Cycle 24

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

SOM - Walkley-Black (SubTestCode 181)		in the Soil Organic Matter Property Groups										Data units: Percent			
	SRS1406	SRS1407	SRS1408	SRS1409	SRS1410										
MFBFHP	2.58	0.72 0.24 -1.64	0.18 0.02 1.51	1.80	0.05 0.03 2.75	0.09 0.01 0.30	2.21	0.35 0.16 1.37	0.05 0.01 1.15	5.33	0.59 0.54 0.26	0.19 0.04 0.68	3.23	0.19 0.10 1.39	0.18 0.02 1.43
RLNPWN	1.79	-0.55 0.22	0.13 0.60	3.56	1.79 0.13	0.03 0.78	2.67	0.62 0.32	0.24 0.11	5.03	0.24 0.99	0.14 2.63	3.85	0.72 0.05	0.16 0.60
826UYA	2.42	0.08 -0.02	0.05 0.68	1.85	0.09 -0.46	0.09 1.07	2.19	0.14 -0.11	0.02	5.70	0.92 -2.61	0.53 0.29	3.16	0.02 -0.19	0.07 1.37
7XP3B3	2.33	-0.01 -1.38	0.06 0.83	1.47	-0.30 -1.04	0.12 2.82	2.00	-0.05 -1.31	0.00 2.78	2.37	-2.42 -0.78	0.06 1.26	3.03	-0.10 -0.96	0.15 2.39
FXU2ZT	1.88	-0.46 -0.42	0.07 2.37	1.09	-0.68 0.92	0.31 1.41	1.45	-0.60 2.31	0.59 1.70	4.06	-0.73 -0.02	0.25 0.29	2.64	-0.50 2.12	0.27 0.52
D2639V	2.20	-0.14 0.02	0.20	2.37	0.60 -1.00	0.15	3.10	1.05 -0.42	0.36	4.77	-0.02 -0.82	0.06	4.23	1.10 -0.47	0.06
MWZJZE	2.35	0.01 0.02	0.00	1.12	-0.65 -0.53	0.00	1.86	-0.19 -0.18	0.00	4.02	-0.76 0.20	0.00	2.89	-0.24 -0.05	0.00
RP2M6B	2.35	0.01 -1.73	0.00 0.83	1.42	-0.35 0.50	0.00 0.32	1.97	-0.08 0.11	0.00 0.16	4.97	0.19 0.26	0.00 0.89	3.11	-0.02 0.35	0.00 0.49
TZYQ96	1.76	-0.58 1.16	0.07 0.47	2.10	0.33 -0.05	0.04 0.28	2.10	0.05 0.29	0.03 0.08	5.02	0.24 0.02	0.18 0.00	3.31	0.18 0.78	0.06 0.36
7EE8HV	2.73	0.39 0.02	0.04 0.47	1.74	-0.03 -0.46	0.03 0.14	2.18	0.13 -0.12	0.02 0.14	4.80	0.02 -0.65	0.00 1.40	3.54	0.40 -0.15	0.04 0.72
8B969K	2.35	0.01 -0.72	0.04 1.19	1.47	-0.30 0.20	0.02 0.00	1.99	-0.06 -1.21	0.03	4.18	-0.60 -0.88	0.28 0.29	3.06	-0.08 -1.41	0.08 0.89
RG9DW2	2.10	-0.24 0.10		1.90	0.13 0.00		1.50	-0.55 0.00		3.97	-0.82 0.06		2.40	-0.73 0.10	
Grand Median		2.34			1.77			2.05			4.78			3.13	
Median Abs Dev		0.19			0.32			0.15			0.57			0.21	
Avg Within Lab SD		0.08			0.11			0.21			0.20			0.11	
Labs Included		12			12			12			12			12	
Labs Reporting		12			12			12			12			12	



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

SOM - LOI (% Wt loss) (SubTestCode 182)			in the Soil Organic Matter Property Groups									Data units: Percent			
SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
EKCRXX	2.86	0.00	0.00	3.79	0.03	2.25	2.34	-0.06	2.06	5.58	0.30	1.01	3.92	0.30	1.11
		0.06	0.16		0.01	0.21		-0.03	0.17		0.21	0.15		0.19	0.16
2HPU3C	2.36	-0.02	0.00	3.53	-0.69	0.00	1.91	-1.07	1.15	5.08	-0.43	0.21	3.27	-0.76	0.33
		-0.44	0.03		-0.25	0.00		-0.46	0.10		-0.30	0.03		-0.46	0.05
YN7FYE	815.56	29.87	6.71	3.56	-0.60	2.52	2.38	0.03	1.65	4.81	-0.82	2.10	3.37	-0.60	1.50
		812.76	1,407.67		-0.22	0.23		0.01	0.14		-0.56	0.32		-0.37	0.21
4TLEHA	3.17	0.01	0.00	3.96	0.51	0.27	2.75	0.89	0.43	5.62	0.35	0.36	4.03	0.49	0.53
		0.37	0.07		0.18	0.03		0.38	0.04		0.24	0.05		0.30	0.07
77XW3A	2.92	0.00	0.00	3.89	0.32	0.06	2.60	0.54	0.14	5.66	0.41	0.04	3.99	0.42	0.04
		0.12	0.02		0.12	0.01		0.23	0.01		0.28	0.01		0.26	0.01
RLNPWN	3.27	0.02	0.00	4.28	1.39	0.25	2.73	0.84	0.90	6.23	1.23	0.91	4.32	0.95	0.46
		0.47	0.06		0.50	0.02		0.36	0.08		0.85	0.14		0.58	0.06
ZZZVNF	2.93	0.00	0.00	3.87	0.25	0.81	2.41	0.10	0.95	5.72	0.50	0.67	3.86	0.21	0.78
		0.13	0.14		0.09	0.08		0.04	0.08		0.35	0.10		0.13	0.11
KCWYAU	2.34	-0.02	0.00	3.76	-0.05	0.98	2.13	-0.55	3.07	5.08	-0.42	0.64	3.22	-0.85	0.94
		-0.46	0.03		-0.02	0.09		-0.24	0.26		-0.29	0.10		-0.52	0.13
8DFL3A	2.40	-0.01	0.00	2.91	-2.42	1.52	2.29	-0.19	0.77	4.86	-0.75	0.33	3.48	-0.41	0.25
		-0.40	0.03		-0.87	0.14		-0.08	0.07		-0.52	0.05		-0.25	0.04
3YVF4E	1.73	-0.04	0.00	2.91	-2.43	1.80	1.81	-1.29	1.31	5.47	0.13	1.24	3.03	-1.15	3.06
		-1.07	0.55		-0.87	0.17		-0.55	0.11		0.09	0.19		-0.71	0.43
YFBCVH	2.73	0.00	0.00	3.20	-1.61	0.00	2.21	-0.36	0.27	5.28	-0.14	1.33	3.54	-0.32	0.57
		-0.07	0.04		-0.58	0.00		-0.15	0.02		-0.10	0.20		-0.20	0.08
2VXC28	3.07	0.01	0.00	3.77	-0.02	0.22	2.80	1.02	0.18	5.50	0.18	0.20	3.92	0.31	0.39
		0.27	0.06		-0.01	0.02		0.44	0.02		0.12	0.03		0.19	0.06
7XP3B3	2.54	-0.01	0.00	3.78	0.00	1.56	2.52	0.35	1.37	5.32	-0.07	3.43	3.90	0.27	2.86
		-0.26	0.47		0.00	0.15		0.15	0.12		-0.05	0.52		0.16	0.40
WC2FCB	2.67	0.00	0.00	3.90	0.34	0.00	6.47	9.54	0.68	5.30	-0.11	0.00	7.40	5.99	0.71
		-0.13	0.06		0.12	0.00		4.10	0.06		-0.07	0.00		3.67	0.10
VDXCLE	2.12	-0.02	0.00	3.58	-0.56	0.97	2.14	-0.54	0.99	4.75	-0.90	0.85	3.24	-0.81	0.40
		-0.68	0.04		-0.20	0.09		-0.23	0.08		-0.62	0.13		-0.50	0.06
263JG8	2.80	0.00	0.00	3.87	0.25	0.62	2.27	-0.23	1.37	5.53	0.23	1.37	3.67	-0.11	1.09
		0.00	0.10		0.09	0.06		-0.10	0.12		0.16	0.21		-0.07	0.15
D2639V	3.67	0.03	0.00	4.03	0.71	0.62	2.83	1.09	0.68	7.20	2.64	0.66	4.93	1.96	0.41
		0.87	0.06		0.26	0.06		0.47	0.06		1.83	0.10		1.20	0.06
HPD69R	3.11	0.01	0.00	4.05	0.75	0.22	2.52	0.36	0.31	5.92	0.79	0.11	4.10	0.59	0.32
		0.31	0.03		0.27	0.02		0.15	0.03		0.55	0.02		0.36	0.05
NLT4RL	2.64	-0.01	0.00	3.66	-0.34	0.51	2.22	-0.34	0.82	5.23	-0.21	0.20	3.66	-0.12	0.12
		-0.16	0.05		-0.12	0.05		-0.15	0.07		-0.14	0.03		-0.07	0.02
ZBBL2B	3.29	0.02	0.00	4.05	0.75	0.16	2.63	0.61	0.12	6.18	1.17	0.14	4.26	0.86	0.04
		0.49	0.02		0.27	0.02		0.26	0.01		0.81	0.02		0.52	0.01



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
MDL89N	2.65	-0.01	0.00	3.19	-1.65	0.41	2.36	-0.02	0.48	4.22	-1.67	0.60	3.48	-0.41	3.37
		-0.15	0.06		-0.59	0.04		-0.01	0.04		-1.15	0.09		-0.25	0.47
ETRBHW	2.80	0.00	0.00	3.67	-0.30	0.00	2.30	-0.16	0.00	5.30	-0.11	0.00	3.69	-0.08	0.08
		0.00	0.00		-0.11	0.00		-0.07	0.00		-0.07	0.00		-0.05	0.01
H2Q66K	3.56	0.03	0.00	4.13	0.97	0.16	2.86	1.15	0.59	6.41	1.49	0.39	4.63	1.46	0.51
		0.76	0.04		0.35	0.02		0.49	0.05		1.03	0.06		0.90	0.07
WHN7Y7	3.01	0.01	0.00	3.94	0.46	0.51	2.57	0.47	0.84	5.84	0.68	1.10	4.11	0.62	1.12
		0.21	0.12		0.17	0.05		0.20	0.07		0.47	0.17		0.38	0.16
X4MT48	2.54	-0.01	0.00	3.81	0.09	0.47	2.21	-0.36	0.36	4.88	-0.72	0.43	3.52	-0.35	0.11
		-0.26	0.03		0.03	0.04		-0.16	0.03		-0.50	0.07		-0.22	0.02
LXWEBH	2.59	-0.01	0.00	3.46	-0.89	2.97	2.51	0.33	2.43	5.02	-0.51	1.50	3.70	-0.05	0.44
		-0.21	0.18		-0.32	0.28		0.14	0.21		-0.35	0.23		-0.03	0.06
RP2M6B	2.80	0.00	0.00	3.53	-0.68	0.62	2.20	-0.39	0.00	5.27	-0.15	0.38	3.67	-0.11	0.41
		0.00	0.17		-0.24	0.06		-0.17	0.00		-0.11	0.06		-0.07	0.06
ZV7WC6	2.87	0.00	0.00	3.79	0.02	0.51	2.23	-0.31	0.65	4.83	-0.79	1.01	3.52	-0.35	0.89
		0.07	0.01		0.01	0.05		-0.13	0.06		-0.55	0.15		-0.21	0.12
6R6KGZ	2.90	0.00	0.00	3.43	-0.96	1.64	2.37	0.00	0.68	5.87	0.71	1.52	3.97	0.38	0.41
		0.10	0.17		-0.34	0.15		0.00	0.06		0.49	0.23		0.23	0.06
EXKAWT	2.76	0.00	0.00	3.42	-0.99	0.22	2.15	-0.51	1.01	5.11	-0.38	0.76	3.48	-0.41	0.21
		-0.04	0.07		-0.35	0.02		-0.22	0.09		-0.26	0.12		-0.25	0.03
LJER2K	2.83	0.00	0.00	3.64	-0.39	0.06	2.51	0.33	0.00	5.63	0.37	0.01	3.85	0.19	0.00
		0.03	0.00		-0.14	0.01		0.14	0.00		0.26	0.00		0.12	0.00
73MLCZ	2.77	0.00	0.00	3.97	0.53	0.62	2.23	-0.31	0.68	5.67	0.42	1.01	3.73	0.00	0.41
		-0.03	0.06		0.19	0.06		-0.13	0.06		0.29	0.15		0.00	0.06
RB2NGE	3.03	0.01	0.00	3.80	0.06	0.00	2.50	0.31	1.18	5.93	0.81	0.38	3.90	0.27	0.71
		0.23	0.06		0.02	0.00		0.13	0.10		0.56	0.06		0.17	0.10
TZYQ96	1.97	-0.03	0.00	5.00	3.40	1.08	2.53	0.39	0.68	5.57	0.28	1.01	4.07	0.54	0.41
		-0.83	0.06		1.22	0.10		0.17	0.06		0.19	0.15		0.33	0.06
ABLFYN	2.60	-0.01	0.00	3.80	0.06	0.00	2.00	-0.85		2.87	-3.62	0.38	5.47	2.83	0.41
		-0.20	0.00		0.02	0.00		-0.37	0.00		-2.51	0.06		1.73	0.06
EDAF6L	2.73	0.00	0.00	4.04	0.72	0.35	2.33	-0.08	0.38	5.37	0.00	0.74	3.84	0.17	0.38
		-0.07	0.07		0.26	0.03		-0.03	0.03		0.00	0.11		0.11	0.05
3P8J4X	2.77	0.00	0.00	3.83	0.15	0.62	2.27	-0.23	0.68	5.37	-0.01	0.38	3.57	-0.27	0.41
		-0.03	0.06		0.06	0.06		-0.10	0.06		-0.01	0.06		-0.17	0.06
72RZLU	2.95	0.01	0.00	3.84	0.18	0.06	2.55	0.43	0.36	5.56	0.26	0.17	3.82	0.14	0.04
		0.15	0.05		0.07	0.01		0.18	0.03		0.18	0.03		0.08	0.01
R8KGVZ	4.10	0.05		3.55	-0.63		2.86	1.15		6.29	1.32		3.16	-0.94	
		1.30	0.00		-0.23	0.00		0.49	0.00		0.92	0.00		-0.57	0.00
JKXUW9	2.80	0.00	0.00	3.53	-0.68	1.64	2.37	0.00	1.37	5.47	0.13	1.37	3.83	0.16	1.09
		0.00	0.17		-0.24	0.15		0.00	0.12		0.09	0.21		0.10	0.15
8B969K	2.54	-0.01	0.00	3.68	-0.28	0.16	2.09	-0.64	0.07	4.92	-0.65	0.21	3.40	-0.54	0.36
		-0.26	0.03		-0.10	0.02		-0.27	0.01		-0.45	0.03		-0.33	0.05
83HJ3L	2.74	0.00	0.00	3.52	-0.71	1.57	2.46	0.22	1.12	5.14	-0.34	2.03	3.42	-0.51	1.20
		-0.06	0.07		-0.25	0.15		0.10	0.09		-0.24	0.31		-0.31	0.17



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
NF8BH8	2.47	-0.01	0.00	3.48	-0.83	1.10	2.03	-0.79	0.76	4.60	-1.12	1.04	3.44	-0.48	0.58
		-0.33	0.07		-0.30	0.10		-0.34	0.06		-0.77	0.16		-0.30	0.08
2TTR8F	3.47	0.02		3.81	0.09		2.64	0.64		6.14	1.11		4.37	1.04	
		0.67	0.00		0.03	0.00		0.27	0.00		0.77	0.00		0.64	0.00
W44REJ	2.57	-0.01	0.00	3.57	-0.59	0.62	2.23	-0.31	0.68	4.73	-0.92	1.01	3.40	-0.54	0.71
		-0.23	0.06		-0.21	0.06		-0.13	0.06		-0.64	0.15		-0.33	0.10
Grand Median		2.80			3.78			2.37			5.37			3.73	
Median Abs Dev		0.21			0.20			0.16			0.30			0.25	
Avg Within Lab SD		209.84			0.09			0.08			0.15			0.14	
Labs Included		45			45			45			45			45	
Labs Reporting		45			45			45			45			45	



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

CaCO3 Content (SubTestCode 183)	in the Content Property Groups												Data units: Percent		
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
RLNPWN	4.65	0.00	0.29	0.23	-0.94	1.45	0.64	0.21	0.97	1.25	0.00	0.85	1.73	0.00	1.46
		0.00	0.05		-0.27	0.19		0.04	0.10		0.00	0.10		0.00	0.18
8DFL3A	7.09	1.35	1.61	0.64	0.48	1.01	0.58	-0.10	0.19	1.59	0.41	1.09	2.36	0.61	1.22
		2.44	0.28		0.14	0.14		-0.02	0.02		0.35	0.13		0.63	0.15
WC2FCB	4.00	-0.36		0.10	-1.38	0.00	0.10	-2.42	0.00	0.10	-1.37	0.00	0.30	-1.39	0.00
		-0.65	0.00		-0.40	0.00		-0.50	0.00		-1.15	0.00		-1.43	0.00
D2639V	6.40	0.97	1.16	0.50	0.00	1.30	0.60	0.00	1.67	1.97	0.86	1.70	2.90	1.14	0.83
		1.75	0.20		0.00	0.17		0.00	0.17		0.72	0.21		1.17	0.10
WHN7Y7	3.40	-0.69	1.00	0.67	0.57	0.43	0.73	0.65	1.11	0.63	-0.73	0.47	1.50	-0.22	0.83
		-1.25	0.17		0.17	0.06		0.13	0.12		-0.61	0.06		-0.23	0.10
Grand Median		4.65		0.50			0.60			1.25			1.73		
Median Abs Dev		1.25		0.17			0.04			0.61			0.63		
Avg Within Lab SD		0.17		0.13			0.10			0.12			0.12		
Labs Included		5		5			5			5			5		
Labs Reporting		5		5			5			5			5		



ALP Program - Participant Web Summary Report - Cycle 24

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

CEC - Cation Displacement (SubTestCode 184) in the Other 1 Property Groups															Data units: cmol/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
MFBFHP	16.87	0.28	0.13	4.27	0.08	0.13	7.90	0.41	0.52	30.67	0.29	0.31	19.03	0.31	0.46
		0.57	0.06		0.10	0.06		0.84	0.20		1.39	0.21		1.92	0.15
8DFL3A	13.04	-1.60	0.03	4.20	0.03	0.07	5.68	-0.67	0.23	18.69	-2.20	0.29	15.15	-0.31	1.42
		-3.26	0.01		0.03	0.03		-1.38	0.09		-10.58	0.20		-1.96	0.47
826UYA	15.42	-0.43	1.67	3.93	-0.20	0.84	7.49	0.21	2.00	27.01	-0.47	1.21	17.40	0.05	0.33
		-0.88	0.75		-0.24	0.36		0.44	0.77		-2.26	0.81		0.28	0.11
7XP3B3	16.58	0.14	1.43	4.72	0.45	0.13	7.73	0.33	0.20	29.87	0.12	0.76	18.65	0.25	0.54
		0.28	0.64		0.55	0.06		0.68	0.08		0.59	0.51		1.54	0.18
D2639V	20.90	2.26	0.59	8.87	3.85	1.13	11.40	2.12	0.26	36.97	1.60	0.62	26.83	1.56	1.84
		4.60	0.26		4.70	0.49		4.34	0.10		7.69	0.42		9.72	0.61
NLT4RL				4.13	-0.03	1.63	5.10	-0.96	1.80	27.90	-0.29	0.79	13.37	-0.60	0.46
					-0.03	0.70		-1.96	0.69		-1.37	0.53		-3.75	0.15
RP2M6B	16.27	-0.01		3.42	-0.61		6.62	-0.21		28.68	-0.12		16.83	-0.05	
		-0.03	0.00		-0.75	0.00		-0.44	0.00		-0.59	0.00		-0.28	0.00
TZYQ96	16.30	0.00	1.33	3.98	-0.15	1.83	6.08	-0.48	0.57	30.73	0.30	2.18	2.90	-2.28	1.34
		0.00	0.60		-0.19	0.79		-0.98	0.22		1.46	1.46		-14.21	0.45
Grand Median	16.3			4.17			7.06			29.3			17.1		
Median Abs Dev	0.6			0.21			0.91			1.4			1.9		
Avg Within Lab SD	0.4			0.43			0.38			0.7			0.3		
Labs Included	7			8			8			8			8		
Labs Reporting	7			8			8			8			8		



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

CEC - Estimation (SubTestCode 185)			in the Other 1 Property Groups												Data units: cmol/kg	
	SRS1406		SRS1407			SRS1408			SRS1409			SRS1410				
RLNPWN	35.68	0.53	0.23	4.51	-0.18	0.86	7.91	1.74	0.65	30.47	0.45	1.53	22.01	1.43	1.11	
		2.80	2.00		-0.19	0.33		1.51	0.29		2.60	1.86		4.01	2.71	
ZZZVNF	32.74	-0.03	0.20	5.46	0.72	0.30	6.87	0.54	1.35	36.51	1.48	0.77	17.99	0.00	0.47	
		-0.14	1.71		0.76	0.12		0.47	0.60		8.64	0.94		-0.01	1.16	
FXU2ZT	34.00	0.21		3.00	-1.61		6.00	-0.46		24.33	-0.61	0.47	18.00	0.00		
		1.12	0.00		-1.70	0.00		-0.40	0.00		-3.53	0.58		0.00	0.00	
HPD69R	32.77	-0.02	0.14	3.57	-1.07	0.15	6.23	-0.19	0.46	26.67	-0.21	0.90	18.60	0.21	0.29	
		-0.11	1.22		-1.13	0.06		-0.17	0.21		-1.20	1.10		0.60	0.70	
ZV7WC6	32.88	0.00	0.22	4.70	0.00	2.46	5.28	-1.29	1.55	21.49	-1.09	0.60	15.99	-0.72	0.12	
		0.00	1.95		0.00	0.95		-1.12	0.69		-6.37	0.73		-2.01	0.28	
83HJ3L	31.13	-0.33	2.61	5.67	0.92	0.30	6.83	0.50	0.13	27.87	0.00	0.24	12.90	-1.82	2.33	
		-1.75	22.75		0.97	0.12		0.43	0.06		0.00	0.29		-5.10	5.72	
RDUHG4	51.73	3.59	0.14	4.93	0.22	0.15	6.40	0.00	1.46	33.03	0.89	1.61	19.50	0.54	0.08	
		18.85	1.25		0.23	0.06		0.00	0.66		5.17	1.96		1.50	0.20	
Grand Median		32.9		4.70			6.40			27.9			18.0			
Median Abs Dev		1.1		0.76			0.43			3.5			1.5			
Avg Within Lab SD		8.7		0.39			0.45			1.2			2.4			
Labs Included		7		7			7			7			7			
Labs Reporting		7		7			7			7			7			



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

Soil Density (Scoop) (SubTestCode 186)	in the Other 1 Property Groups										Data units: g/cc
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
RLNPWN	1.49	1.32	1.66	0.81	1.39	0.81	1.47	0.78	1.38	1.25	
		0.03		0.01		0.01		0.01		0.02	
BWHFH6	1.21	0.50	1.35	1.16	0.94	1.16	1.24	1.18	1.02	0.67	
		0.01		0.02		0.01		0.02		0.01	
Grand Median		1.35		1.50		1.16		1.36		1.20	
Median Abs Dev											
Avg Within Lab SD		0.02		0.01		0.01		0.01		0.02	
Labs Included		2		2		2		2		2	
Labs Reporting		2		2		2		2		2	



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

Sand 2000 - 50 um (SubTestCode 187)	in the Particle Size Analysis Property Groups															Data units: Percent
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	40.4	-0.3	0.5	68.8	1.0	1.8	27.1	0.7	0.4	33.3	0.6	0.5	28.3	0.8	1.3	
		-1.6	0.7		2.8	1.3		3.6	0.7		3.0	1.9		4.3	1.9	
MFBFHP	40.0	-0.4		68.0	0.7		22.0	-0.3		32.0	0.3		26.0	0.4		
		-2.0	0.0		2.0	0.0		-1.5	0.0		1.7	0.0		2.0	0.0	
YN7FYE	35.3	-1.4	0.4	64.3	-0.6	0.8	28.7	0.9	1.5	39.3	1.8	4.4	26.3	0.4	0.4	
		-6.7	0.6		-1.7	0.6		5.2	2.5		9.0	17.9		2.3	0.6	
RLNPWN	43.1	0.2	1.0	68.4	0.8	0.6	23.5	0.0	0.8	31.8	0.3	0.3	25.1	0.2	0.8	
		1.1	1.5		2.4	0.4		0.0	1.4		1.5	1.2		1.1	1.3	
ZZZVNF	42.8	0.2	0.7	70.8	1.7	2.0	25.5	0.4	1.2	31.5	0.2	1.0	25.5	0.3	1.5	
		0.8	1.1		4.8	1.4		2.0	2.0		1.1	4.2		1.5	2.2	
VDXCLE	43.3	0.3	1.4	66.2	0.1	0.3	27.3	0.7	0.7	41.1	2.1	0.3	27.7	0.7	0.2	
		1.3	2.2		0.2	0.2		3.9	1.2		10.7	1.3		3.7	0.2	
D2639V	45.3	0.7	1.9	72.0	2.1		26.7	0.6	0.7	34.0	0.7	0.5	26.7	0.5	0.8	
		3.3	3.1		6.0	0.0		3.2	1.2		3.7	2.0		2.7	1.2	
WNFDGE	44.0	0.4		66.0	0.0		24.0	0.1		27.0	-0.7		31.0	1.3		
		2.0	0.0		0.0	0.0		0.5	0.0		-3.3	0.0		7.0	0.0	
HPD69R	34.5	-1.6	0.8	64.1	-0.7	0.4	20.7	-0.5	0.5	30.9	0.1	0.2	24.4	0.1	0.7	
		-7.5	1.3		-1.9	0.3		-2.7	0.8		0.6	1.0		0.4	1.0	
NLT4RL	45.0	0.6		67.0	0.3		21.0	-0.5		41.0	2.1		35.0	2.0		
		3.0	0.0		1.0	0.0		-2.5	0.0		10.7	0.0		11.0	0.0	
H2Q66K	41.0	-0.2		71.0	1.7		43.0	3.6		30.6	0.1	0.0	33.0	1.7		
		-1.0	0.0		5.0	0.0		19.5	0.0		0.3	0.0		9.0	0.0	
MWZJZE	56.0	3.0		67.0	0.3		25.0	0.3		28.0	-0.5		24.0	0.0		
		14.0	0.0		1.0	0.0		1.5	0.0		-2.3	0.0		0.0	0.0	
ZV7WC6	35.9	-1.3		61.9	-1.4		23.8	0.1		27.8	-0.5		19.8	-0.8		
		-6.1	0.0		-4.1	0.0		0.4	0.0		-2.5	0.0		-4.2	0.0	
H4XM3G	41.0	-0.2	0.9	64.0	-0.7		13.0	-1.9	1.6	25.5	-1.0	0.9	18.5	-1.0	3.3	
		-1.0	1.4		-2.0	0.0		-10.5	2.8		-4.8	3.5		-5.5	4.9	
2HERJY	44.4	0.5	0.7	67.3	0.5	0.3	22.0	-0.3	0.4	27.9	-0.5	0.2	22.8	-0.2	0.9	
		2.4	1.0		1.3	0.2		-1.5	0.7		-2.5	0.8		-1.2	1.3	
R8KGVZ	42.0	0.0		64.9	-0.4		17.6	-1.1		22.2	-1.6		16.3	-1.4		
		0.0	0.0		-1.1	0.0		-5.9	0.0		-8.1	0.0		-7.7	0.0	
JKXUW9	43.3	0.3	0.7	62.0	-1.4		21.3	-0.4	1.8	27.3	-0.6	0.3	18.7	-1.0	1.5	
		1.3	1.2		-4.0	0.0		-2.1	3.1		-3.0	1.2		-5.3	2.3	
HZWGNB	39.0	-0.6	0.6	65.7	-0.1	2.2	17.3	-1.1	2.9	30.3	0.0	0.5	22.3	-0.3	1.4	
		-3.0	1.0		-0.3	1.5		-6.1	5.0		0.0	2.1		-1.7	2.1	
9Z9V3M	43.3	0.3	0.7	65.3	-0.2	1.7	21.3	-0.4	0.7	30.0	-0.1		20.7	-0.6	0.8	
		1.3	1.2		-0.7	1.2		-2.1	1.2		-0.3	0.0		-3.3	1.2	
FKRFTX	39.3	-0.6	0.4	66.0	0.0		23.7	0.0	0.9	30.0	-0.1	0.5	24.0	0.0	0.7	
		-2.7	0.6		0.0	0.0		0.2	1.5		-0.3	2.0		0.0	1.0	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
2TTR8F	48.0	1.3		64.0	-0.7		18.0	-1.0		26.0	-0.9		18.0	-1.1	
		6.0	0.0		-2.0	0.0		-5.5	0.0		-4.3	0.0		-6.0	0.0
BWHFH6	41.9	0.0	1.3	66.4	0.1	2.0	25.2	0.3	0.9	30.4	0.0	0.5	23.9	0.0	0.3
		-0.1	2.1		0.4	1.4		1.7	1.6		0.1	2.0		-0.1	0.4
W44REJ	38.3	-0.8	3.2	66.0	0.0	1.5	20.3	-0.6	0.9	25.7	-0.9	0.1	20.0	-0.7	
		-3.7	5.1		0.0	1.0		-3.1	1.5		-4.7	0.6		-4.0	0.0
Grand Median		42.0			66.0			23.5			30.3			24.0	
Median Abs Dev		2.0			1.7			2.5			2.5			3.3	
Avg Within Lab SD		1.6			0.7			1.7			4.0			1.5	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Silt 50 - 2 um (SubTestCode 188)	in the Particle Size Analysis Property Groups															Data units: Percent
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	45.0	0.4	1.1	11.7	-1.0	0.8	54.6	0.0	0.3	35.4	-0.5	1.0	43.3	-0.3	0.9	
		2.5	2.2		-3.7	1.4		0.2	0.7		-1.9	1.4		-2.0	1.4	
MFBFHP	54.0	1.7		16.0	0.2		54.0	-0.1		38.0	0.2		46.0	0.1		
		11.5	0.0		0.7	0.0		-0.4	0.0		0.7	0.0		0.7	0.0	
YN7FYE	45.7	0.5	0.8	17.7	0.6	0.3	45.3	-1.3	1.4	37.3	0.0	0.4	40.7	-0.7	1.0	
		3.2	1.5		2.3	0.6		-9.1	3.5		0.0	0.6		-4.7	1.5	
RLNPWN	42.3	0.0	0.6	14.0	-0.4	1.0	52.5	-0.3	0.3	31.9	-1.3	0.9	42.8	-0.4	1.3	
		-0.2	1.1		-1.4	1.9		-1.9	0.7		-5.5	1.3		-2.5	2.0	
ZZZVNF	42.1	0.0	1.1	12.1	-0.9	4.1	48.1	-0.9	2.1	29.5	-1.9	2.9	38.1	-1.1	2.3	
		-0.3	2.0		-3.2	7.4		-6.3	5.4		-7.9	4.4		-7.2	3.6	
VDXCLE	38.4	-0.6	1.1	15.5	0.1	0.2	48.2	-0.9	0.5	29.5	-1.9	0.2	37.1	-1.2	0.3	
		-4.1	2.1		0.2	0.3		-6.2	1.2		-7.9	0.2		-8.2	0.5	
D2639V	43.7	0.2	1.6	12.0	-0.9		57.3	0.4	0.5	37.3	0.0	1.4	47.7	0.3	0.4	
		1.2	3.1		-3.3	0.0		2.9	1.2		0.0	2.1		2.3	0.6	
WNFDGE	40.0	-0.4		15.3	0.0	0.6	52.7	-0.2	0.5	38.3	0.2	0.8	29.7	-2.3	0.7	
		-2.5	0.0		0.0	1.2		-1.7	1.2		1.0	1.2		-15.7	1.2	
HPD69R	50.0	1.1	0.9	16.8	0.4	0.2	54.4	0.0	0.1	37.6	0.1	0.6	46.5	0.2	0.5	
		7.5	1.8		1.5	0.4		0.0	0.2		0.3	0.9		1.2	0.8	
NLT4RL	46.0	0.5		20.0	1.3		64.0	1.3		40.0	0.6		46.0	0.1		
		3.5	0.0		4.7	0.0		9.6	0.0		2.7	0.0		0.7	0.0	
H2Q66K	32.0	-1.5		4.4	-3.0	0.0	27.6	-3.7	0.0	34.0	-0.8		30.4	-2.2	0.0	
		-10.5	0.0		-10.9	0.0		-26.8	0.0		-3.3	0.0		-14.9	0.0	
MWZJZE	31.0	-1.7		16.0	0.2		56.0	0.2		41.0	0.9		49.0	0.5		
		-11.5	0.0		0.7	0.0		1.6	0.0		3.7	0.0		3.7	0.0	
ZV7WC6	48.0	0.8		18.0	0.7		50.1	-0.6		36.1	-0.3		44.1	-0.2		
		5.5	0.0		2.7	0.0		-4.3	0.0		-1.3	0.0		-1.3	0.0	
H4XM3G	40.0	-0.4		14.0	-0.4		54.0	-0.1	1.1	33.0	-1.0	0.9	41.0	-0.6	0.9	
		-2.5	0.0		-1.3	0.0		-0.4	2.8		-4.3	1.4		-4.3	1.4	
2HERJY	50.8	1.2	0.3	12.5	-0.8	0.1	60.6	0.9	0.2	40.4	0.7	0.9	54.4	1.3	2.2	
		8.3	0.5		-2.8	0.3		6.2	0.5		3.1	1.4		9.1	3.6	
R8KGVZ	36.9	-0.8		11.2	-1.2		57.1	0.4		38.4	0.3		47.6	0.3		
		-5.6	0.0		-4.2	0.0		2.7	0.0		1.1	0.0		2.3	0.0	
JKXUW9	36.7	-0.8	0.6	15.0	-0.1	1.0	51.7	-0.4	1.2	36.0	-0.3	0.7	45.3	0.0	1.4	
		-5.8	1.2		-0.3	1.7		-2.7	3.1		-1.3	1.0		0.0	2.3	
HZWGNB	45.7	0.5	1.3	17.0	0.5	1.0	62.7	1.1	3.3	32.7	-1.1	1.6	44.7	-0.1	1.9	
		3.2	2.5		1.7	1.7		8.3	8.3		-4.7	2.3		-0.7	3.1	
9Z9V3M	38.7	-0.5	0.6	12.7	-0.7	0.6	50.7	-0.5	0.5	32.0	-1.3		39.3	-0.9	0.7	
		-3.8	1.2		-2.7	1.2		-3.7	1.2		-5.3	0.0		-6.0	1.2	
FKRFTX	47.5	0.7	0.3	19.1	1.0	0.3	55.3	0.1	0.7	37.7	0.1	1.1	45.4	0.0	0.4	
		5.0	0.5		3.8	0.5		0.9	1.7		0.4	1.6		0.1	0.6	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
2TTR8F	38.0	-0.6		18.0	0.7		64.0	1.3		42.0	1.1		56.0	1.6	
		-4.5	0.0		2.7	0.0		9.6	0.0		4.7	0.0		10.7	0.0
BWHFH6	42.5	0.0	1.5	15.1	-0.1	1.0	54.5	0.0	0.9	37.2	0.0	1.2	45.8	0.1	0.7
		0.0	2.8		-0.3	1.8		0.1	2.2		-0.1	1.7		0.5	1.1
W44REJ	47.3	0.7	3.2	16.3	0.3	0.8	60.3	0.8	0.9	41.7	1.0	1.6	52.3	1.0	1.0
		4.9	6.0		1.0	1.5		5.9	2.3		4.3	2.3		7.0	1.5
Grand Median		42.5			15.3			54.4			37.3			45.3	
Median Abs Dev		4.1			2.3			2.9			2.7			2.5	
Avg Within Lab SD		1.9			1.8			2.5			1.5			1.6	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Clay 2 - 0 um (SubTestCode 189)	in the Particle Size Analysis Property Groups															Data units: Percent
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410			
XQBLZF	14.6	-0.1	0.7	19.6	0.5	0.5	18.3	-1.0	0.6	31.3	-0.3	0.8	28.3	-0.5	0.4	
		-0.8	1.9		1.5	0.7		-5.7	0.7		-1.4	1.3		-3.7	0.7	
MFBFHP	6.0	-1.6		16.0	-0.7		24.0	0.0		30.0	-0.5		28.0	-0.6		
		-9.3	0.0		-2.1	0.0		0.0	0.0		-2.7	0.0		-4.0	0.0	
YN7FYE	19.0	0.6	0.7	18.0	0.0	0.6	26.0	0.4	0.8	33.0	0.1	0.0	33.0	0.1	1.2	
		3.7	2.0		-0.1	1.0		2.0	1.0		0.3	0.0		1.0	2.0	
RLNPWN	14.6	-0.1	0.2	17.6	-0.2	1.4	24.0	0.0	1.0	36.3	0.7	0.7	32.0	0.0	1.3	
		-0.7	0.7		-0.5	2.3		0.0	1.2		3.7	1.0		0.0	2.1	
ZZZVNF	15.1	0.0	0.4	17.1	-0.3	4.0	26.4	0.4	2.9	39.1	1.3	2.0	36.4	0.6	2.5	
		-0.3	1.2		-1.0	6.4		2.4	3.5		6.4	3.1		4.4	4.0	
VDXCLE	18.4	0.5	0.0	18.1	0.0	0.2	24.5	0.1	0.5	29.5	-0.6	0.8	35.1	0.5	0.4	
		3.0	0.1		0.0	0.3		0.5	0.6		-3.2	1.2		3.1	0.6	
D2639V	11.0	-0.7		16.0	-0.7		16.0	-1.4		28.7	-0.8	0.4	25.7	-0.9	0.4	
		-4.3	0.0		-2.1	0.0		-8.0	0.0		-4.0	0.6		-6.4	0.6	
WNFDGE	16.0	0.1		18.7	0.2	0.7	23.3	-0.1	1.0	33.7	0.2	0.8	38.3	0.9	0.7	
		0.7	0.0		0.6	1.2		-0.7	1.2		1.0	1.2		6.3	1.2	
HPD69R	15.5	0.0	0.2	19.1	0.3	0.4	24.9	0.2	0.8	31.5	-0.2	0.4	29.1	-0.4	0.4	
		0.1	0.6		1.1	0.6		0.9	0.9		-1.2	0.6		-3.0	0.6	
NLT4RL	9.0	-1.1		13.0	-1.6		15.0	-1.6		19.0	-2.8		19.0	-1.9		
		-6.3	0.0		-5.1	0.0		-9.0	0.0		-13.7	0.0		-13.0	0.0	
H2Q66K	27.0	2.0		24.6	2.1	0.0	29.4	1.0	0.0	35.4	0.6	0.0	36.6	0.7	0.0	
		11.7	0.0		6.5	0.0		5.4	0.0		2.7	0.0		4.6	0.0	
MWZJZE	13.0	-0.4		17.0	-0.3		19.0	-0.9		31.0	-0.3		27.0	-0.7		
		-2.3	0.0		-1.1	0.0		-5.0	0.0		-1.7	0.0		-5.0	0.0	
ZV7WC6	16.1	0.1		20.1	0.6		26.1	0.4		36.1	0.7		36.1	0.6		
		0.7	0.0		2.0	0.0		2.1	0.0		3.4	0.0		4.0	0.0	
H4XM3G	19.0	0.6	0.5	22.0	1.2		33.0	1.6		41.5	1.8	3.3	40.5	1.2	2.2	
		3.7	1.4		3.9	0.0		9.0	0.0		8.8	4.9		8.5	3.5	
2HERJY	4.8	-1.8	0.5	20.2	0.7	0.2	17.4	-1.2	0.2	31.7	-0.2	0.6	22.8	-1.4	2.1	
		-10.5	1.5		2.1	0.3		-6.6	0.3		-1.0	0.9		-9.2	3.4	
R8KGVZ	21.1	1.0		23.9	1.9		25.3	0.2		39.4	1.4		36.0	0.6		
		5.8	0.0		5.9	0.0		1.3	0.0		6.7	0.0		4.0	0.0	
JKXUW9	20.0	0.8		23.0	1.6	1.1	27.0	0.5		36.3	0.7	0.8	35.0	0.4		
		4.7	0.0		4.9	1.7		3.0	0.0		3.7	1.2		3.0	0.0	
HZWGNB	15.3	0.0	0.7	17.7	-0.1	0.4	20.0	-0.7	2.9	37.0	0.9	1.2	33.0	0.1	0.6	
		0.0	2.1		-0.4	0.6		-4.0	3.5		4.3	1.7		1.0	1.0	
9Z9V3M	32.7	3.0	4.5	22.0	1.2		28.0	0.7		38.0	1.1		40.0	1.2	1.2	
		17.3	12.9		3.9	0.0		4.0	0.0		5.3	0.0		8.0	2.0	
FKRFTX	13.2	-0.4	0.2	14.9	-1.0	0.3	21.0	-0.5	0.4	32.3	-0.1	0.3	30.6	-0.2	0.3	
		-2.1	0.5		-3.2	0.5		-3.0	0.5		-0.4	0.5		-1.4	0.5	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
2TTR8F	14.0	-0.2		18.0	0.0		18.0	-1.1		32.0	-0.1		26.0	-0.9	
		-1.3	0.0		-0.1	0.0		-6.0	0.0		-0.7	0.0		-6.0	0.0
BWHFH6	15.7	0.1	0.3	18.5	0.1	1.0	20.3	-0.7	0.6	32.4	-0.1	1.0	30.3	-0.3	0.4
		0.3	0.9		0.5	1.7		-3.7	0.7		-0.3	1.5		-1.7	0.7
W44REJ	14.3	-0.2	0.4	17.7	-0.1	1.0	19.3	-0.8	1.3	32.7	0.0	1.4	27.7	-0.6	1.0
		-1.0	1.2		-0.4	1.5		-4.7	1.5		0.0	2.1		-4.4	1.5
Grand Median		15.3			18.1			24.0			32.7			32.0	
Median Abs Dev		2.3			1.5			3.7			2.7			4.0	
Avg Within Lab SD		2.8			1.6			1.2			1.5			1.6	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Total Soil P (EPA-3050/3051/3052) (SubTestCode 190) in the Other 2 Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410	
8B969K	2,255.0	1.0 39.9	422.3	1.0 9.6	395.3	1.0 7.8	570.3	1.0 3.1	761.3	1.0 5.5
Grand Median	2,255.0		422.3		395.3		570.3		761.3	
Median Abs Dev										
Avg Within Lab SD	39.9		9.6		7.8		3.1		5.5	
Labs Included	1		1		1		1		1	
Labs Reporting	1		1		1		1		1	



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

Solvita CO2 Soil Respiration Test (SubTestCode 191) in the Other 2 Property Groups															Data units: mg/kg
	SRS1406			SRS1407			SRS1408			SRS1409			SRS1410		
MFBFHP	11.0	0.0	0.8	7.5	-0.6	0.2	25.4	-1.7	1.4	50.8	1.3	1.7	57.0	1.9	1.2
		0.1	1.2		-2.6	0.2		-30.3	3.7		13.2	4.2		22.9	3.9
WC2FCB	7.9	-0.8	0.2	9.7	-0.1	0.5	57.1	0.1	0.4	37.0	-0.1	0.4	30.7	-0.3	0.2
		-3.0	0.3		-0.5	0.4		1.4	1.0		-0.5	1.1		-3.4	0.6
NLT4RL	15.4	1.2	0.0	16.1	1.4	0.0	54.3	-0.1	0.0	41.5	0.4	0.0	38.1	0.3	0.0
		4.5	0.0		5.9	0.0		-1.4	0.0		3.9	0.0		4.0	0.0
ETRBHW	11.0	0.0	0.0	10.6	0.1	0.0	65.7	0.6	0.0	38.1	0.1	0.0	45.5	0.9	0.0
		0.1	0.0		0.5	0.0		10.0	0.0		0.5	0.0		11.4	0.0
RP2M6B	10.8	0.0	2.1	11.3	0.3	2.6	76.1	1.1	1.5	38.2	0.1	1.4	29.9	-0.3	2.0
		-0.1	2.8		1.2	1.9		20.4	3.9		0.6	3.5		-4.2	6.7
EXKAWT	7.3	-1.0	0.1	7.8	-0.6	0.1	57.7	0.1	0.5	29.9	-0.7	0.3	27.2	-0.6	0.1
		-3.6	0.2		-2.4	0.1		2.1	1.4		-7.7	0.8		-6.9	0.2
ABLFYN	14.2	0.9	0.5	12.8	0.6	0.0	45.7	-0.6	1.4	30.7	-0.7	0.6	37.5	0.3	0.3
		3.3	0.7		2.6	0.0		-10.0	3.6		-6.9	1.5		3.4	1.0
RG9DW2	6.0	-1.3	1.7	3.4	-1.6	0.9	35.0	-1.2	1.3	14.6	-2.2	1.5	24.0	-0.8	1.5
		-4.9	2.3		-6.8	0.6		-20.7	3.5		-22.9	3.7		-10.1	4.9
Grand Median	10.9			10.2			55.7			37.6			34.1		
Median Abs Dev	3.2			2.5			10.0			5.4			5.5		
Avg Within Lab SD	1.4			0.7			2.7			2.4			3.3		
Labs Included	8			8			8			8			8		
Labs Reporting	8			8			8			8			8		



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

Soil Nitrogen Mineralization Potential (SubTestCode 192)	in the Other 2 Property Groups										Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410		
MFBFHP	24.7	1.3	19.7	1.4	41.0	1.1	63.3	1.3	68.0	1.3	1.3
		1.5		0.6		4.0		2.9		3.0	
ABLFYN	13.7	0.5	12.0	0.0	44.0	0.9	29.3	0.5	36.3	1.2	0.5
		0.6		0.0		3.5		1.2		1.2	
Grand Median	19.2		15.8		42.5		46.3		52.2		
Median Abs Dev											
Avg Within Lab SD	1.2		0.4		3.7		2.2		2.3		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



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

Illinois Lime Requirement (SubTestCode 193)	in the Other 2 Property Groups								Data units: ton/acre	
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410	
MFBFHP	870.00	1.00 6.00	6.00	0.00	10.50	1.00 0.50	9.00	0.00	8.50	1.00 0.50
Grand Median	870.0		6.00		10.5		9.00		8.50	
Median Abs Dev										
Avg Within Lab SD		6.0		0.00		0.5		0.00		0.50
Labs Included		1		1		1		1		1
Labs Reporting		1		1		1		1		1



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

DTPA-sorbitol extractable S (SubTestCode 194)	in the Other 2 Property Groups									Data units: mg/kg
	SRS1406		SRS1407		SRS1408		SRS1409		SRS1410	
MFBFHP	0.63	0.01	13.67	1.41	15.00	1.22	0.90	1.41	0.20	0.00
		0.15		2.52		1.00		0.10		0.00
826UYA	543.33	1.41	5.00	0.00	9.33	0.71	9.00	0.00	8.33	1.41
		25.42				0.58				0.58
Grand Median	272.0		9.33		12.2		4.95		4.27	
Median Abs Dev										
Avg Within Lab SD	18.0		1.78		0.8		0.07		0.41	
Labs Included	2		2		2		2		2	
Labs Reporting	2		2		2		2		2	



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



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

Dry Matter (%) (SubTestCode 201)										Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	92.3	-0.3	0.5	92.7	-0.6	0.1	95.8	0.1	0.1	
		-0.4	0.0		-0.6	0.0		0.1	0.0	
MFBFHP	92.0	-0.6	0.0	93.3	0.0		95.2	-0.5	0.0	
		-0.7	0.0		0.0	0.0		-0.6	0.0	
YN7FYE	92.8	0.1	1.9	92.7	-0.5	2.0	95.7	-0.1	0.5	
		0.1	0.1		-0.6	0.3		-0.1	0.1	
4TLEHA	92.7	0.0	0.4	93.4	0.2	0.3	95.7	0.0	0.1	
		0.0	0.0		0.2	0.0		0.0	0.0	
2VXC28	91.1	-1.4	0.4	92.1	-1.1	0.1	94.7	-0.9	0.3	
		-1.6	0.0		-1.2	0.0		-1.0	0.0	
YCB7FC	94.0	1.2		94.4	1.1	2.4	96.8	0.9	3.1	
		1.3	0.0		1.2	0.3		1.0	0.5	
ZV7WC6	93.1	0.4	0.6	94.4	1.1	0.0	97.3	1.4	0.6	
		0.4	0.0		1.2	0.0		1.6	0.1	
WRRHVZ	91.8	-0.8	0.4	92.8	-0.5	0.1	94.8	-0.9	0.1	
		-0.8	0.0		-0.5	0.0		-1.0	0.0	
8B969K	91.9	-0.7	1.4	92.4	-0.8	0.9	95.0	-0.7	0.8	
		-0.7	0.1		-0.8	0.1		-0.7	0.1	
6KMCVP	94.3	1.5	2.1	94.1	0.8	0.1	96.8	0.9	0.6	
		1.6	0.1		0.9	0.0		1.0	0.1	
R7669N	93.1	0.4	0.0	94.1	0.8	0.0	96.9	1.0	0.0	
		0.5	0.0		0.8	0.0		1.1	0.0	
Grand Median	92.7			93.3			95.7			
Median Abs Dev	0.7			0.8			1.0			
Avg Within Lab SD	0.1			0.1			0.1			
Labs Included	11			11			11			
Labs Reporting	11			11			11			



ALP Program - Participant Web Summary Report - Cycle 24

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

NO3 - N Cd Rd. (SubTestCode 202) Data units: mg/kg									
	SRB1404			SRB1405			SRB1406		
XQBLZF	18,270.8	0.3	0.3	109.7	0.2	0.1	94.0	0.7	0.5
		1,794.5	151.0		15.5	2.5		17.6	3.4
RBZUVM	15,601.3	-0.1	0.3	510.7	4.7	2.5	25.2	-1.9	1.7
		-875.0	126.7		416.4	42.0		-51.2	11.2
YN7FYE	16,272.7	0.0	0.8	66.7	-0.3	0.4	75.7	0.0	0.2
		-203.7	369.5		-27.6	7.2		-0.7	1.2
ZZZVNF	16,233.3	0.0	0.5	81.7	-0.1	0.1	73.3	-0.1	0.2
		-243.0	251.7		-12.6	1.5		-3.0	1.5
8DFL3A	18,487.7	0.3	1.4	19.7	-0.8	0.1	75.3	0.0	0.1
		2,011.3	648.6		-74.6	1.5		-1.0	0.6
826UYA	15,901.3	-0.1	0.1	155.3	0.7	0.2	130.7	2.1	0.3
		-575.0	57.1		61.1	4.0		54.3	2.1
64X4W7	16,680.0	0.0	0.7	98.1	0.0	1.3	77.1	0.0	2.6
		203.7	337.7		3.9	22.6		0.7	16.5
WHN7Y7	16,096.7	-0.1	0.1	102.3	0.1	0.6	125.0	1.8	0.7
		-379.7	63.5		8.1	10.1		48.6	4.4
RP2M6B	22,630.0	0.9	1.6	90.3	0.0	0.0	78.7	0.1	0.3
		6,153.7	736.7		-3.9	0.6		2.3	2.1
4E3UZ3	17,670.6	0.2	0.8	48.7	-0.5	0.1	71.6	-0.2	0.2
		1,194.3	391.0		-45.5	1.0		-4.8	1.2
JKXUW9	15,785.7	-0.1	0.2	60.4	-0.4	0.1	64.5	-0.4	0.4
		-690.7	90.4		-33.8	1.1		-11.9	2.3
6KMCVP	56,194.5	5.9	2.3	103.5	0.1	1.8	93.8	0.7	1.1
		39,718.2	1,103.0		9.2	31.0		17.4	7.2
Grand Median		16,476.3			94.2			76.4	
Median Abs Dev		782.8			21.5			8.3	
Avg Within Lab SD		474.4			16.9			6.4	
Labs Included		12			12			12	
Labs Reporting		12			12			12	



ALP Program - Participant Web Summary Report - Cycle 24

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

NO3 - N ISE (SubTestCode 203) Data units: mg/kg									
	SRB1404			SRB1405			SRB1406		
MFBFHP	17,856.5	1.8	0.6	433.2	1.1	0.2	288.3	1.0	0.6
	2,599.9	167.8		120.3	5.6		84.7	11.5	
4TLEHA	15,646.6	0.3	0.0	312.9	0.0	0.0	159.8	-0.5	0.1
	390.0	0.0		0.0	0.6		-43.9	1.0	
7XP3B3				318.0	0.0	1.3	277.3	0.9	1.6
				5.1	29.7		73.7	29.1	
HPD69R	14,866.7	-0.3	1.8	185.7	-1.2	1.0	115.3	-1.0	0.2
	-390.0	513.2		-127.3	23.1		-88.3	3.8	
73MLCZ	14,700.0	-0.4	0.7	212.3	-1.0	1.5	203.7	0.0	1.4
	-556.6	200.0		-100.6	33.0		0.0	25.7	
Grand Median	15,256.6			312.9			203.7		
Median Abs Dev	473.3			100.6			73.7		
Avg Within Lab SD	287.9			22.5			18.2		
Labs Included	4			5			5		
Labs Reporting	4			5			5		



ALP Program - Participant Web Summary Report - Cycle 24

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

NO3 - N Oth. (SubTestCode 204)	Data units: mg/kg							
	SRB1404	SRB1405			SRB1406			
7XP3B3	15,663.3	1.7						
		640.2						
YCB7FC	9,337.7	0.2	70.0	0.0	70.0	0.0		
		62.5						
3C6QXV	9,618.0	0.0						
Grand Median	9,618.0		70.0		70.0			
Median Abs Dev								
Avg Within Lab SD	371.4		0.0		0.0			
Labs Included	3		1		1			
Labs Reporting	3		1		1			



ALP Program - Participant Web Summary Report - Cycle 24

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

NH4-N (SubTestCode 205) Data units: mg/kg						
	SRB1404		SRB1405		SRB1406	
8DFL3A	230.7	1.4 13.0	61.3	1.4 2.1	23.0	1.4 2.6
3C6QXV	178.0	0.0	140.0	0.0	89.0	0.0
Grand Median	204.3		100.7		56.0	
Median Abs Dev						
Avg Within Lab SD	9.2		1.5		1.9	
Labs Included	2		2		2	
Labs Reporting	2		2		2	



ALP Program - Participant Web Summary Report - Cycle 24

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

PO4 - P (SubTestCode 206) Data units: mg/kg									
	SRB1404			SRB1405			SRB1406		
MFBFHP	1,739.9	0.3	0.2	1,181.4	0.3	0.1	533.5	0.1	0.3
		111.7	9.8		61.1	3.1		7.1	7.4
RBZUVM	1,518.0	-0.3	0.4	1,101.0	-0.1	0.7	480.9	-0.4	0.5
		-110.2	17.3		-19.3	29.5		-45.5	12.0
ZZZVNF	1,603.3	-0.1	0.6	1,073.3	-0.2	0.6	464.7	-0.6	0.4
		-24.8	25.2		-46.9	23.1		-61.8	10.0
8DFL3A	2,346.0	2.0	0.8	1,510.7	1.6	1.6	645.3	1.1	0.5
		717.8	32.4		390.4	64.5		118.9	12.3
826UYA	1,728.3	0.3	0.2	1,329.3	0.9	0.2	630.3	1.0	0.2
		100.2	7.6		209.1	6.7		103.9	5.0
7XP3B3	1,300.0	-0.9		866.7	-1.0	1.5	466.7	-0.6	2.4
		-328.2	0.0		-253.6	57.7		-59.8	57.7
64X4W7	1,469.0	-0.4	0.7	1,094.0	-0.1	1.7	542.7	0.2	1.7
		-159.2	30.4		-26.3	68.2		16.2	41.9
HPD69R	1,513.3	-0.3	0.9	866.7	-1.0	1.1	280.0	-2.3	0.8
		-114.8	35.1		-253.6	41.6		-246.4	20.0
4E3UZ3	1,653.0	0.1	0.4	1,139.5	0.1	0.2	519.3	-0.1	0.2
		24.8	17.3		19.3	8.4		-7.1	5.8
6KMCVP	2,394.1	2.1	2.7	1,476.3	1.5	0.4	589.0	0.6	0.1
		765.9	109.0		356.0	15.2		62.6	1.2
Grand Median		1,628.2		1,120.3			526.4		
Median Abs Dev		113.3		135.1			60.8		
Avg Within Lab SD		40.6		39.5			24.5		
Labs Included		10		10			10		
Labs Reporting		10		10			10		



ALP Program - Participant Web Summary Report - Cycle 24

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

SO4 - S (SubTestCode 207) Data units: mg/kg									
	SRB1404			SRB1405			SRB1406		
MFBFHP	1,360.0	0.3	0.8	255.0	-1.5		755.0	-1.1	
	53.0	17.3		-256.5	0.0		-235.2	0.0	
4TLEHA	1,138.9	-0.9	0.1	501.0	-0.1	0.3	946.4	-0.2	0.2
	-168.1	2.0		-10.5	6.3		-43.8	3.9	
8DFL3A	1,254.0	-0.3	0.2	522.0	0.1	1.2	1,034.0	0.2	1.7
	-53.0	4.0		10.5	25.2		43.8	42.1	
6KMCVP	1,558.2	1.3	1.8	705.1	1.1	1.2	1,228.3	1.1	0.2
	251.2	40.1		193.6	25.3		238.1	5.5	
Grand Median	1,307.0			511.5			990.2		
Median Abs Dev	110.6			102.1			139.5		
Avg Within Lab SD	22.0			21.0			24.6		
Labs Included	4			4			4		
Labs Reporting	4			4			4		



ALP Program - Participant Web Summary Report - Cycle 24

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

CI (SubTestCode 208)	Data units: Percent								
	SRB1404			SRB1405			SRB1406		
MFBFHP	2.44	-0.78	0.45	0.73	0.79	0.85	0.33	0.07	0.34
		-0.21	0.05		0.07	0.02		0.00	0.01
ZZZVNF	2.50	-0.57	0.14	0.65	-0.12	0.70	0.32	-0.07	0.33
		-0.15	0.02		-0.01	0.02		0.00	0.01
8DFL3A	2.65	0.00	0.39	0.81	1.72	0.70	0.35	0.34	0.57
		0.00	0.04		0.14	0.02		0.02	0.01
YCB7FC	2.52	-0.50	0.90	0.56	-1.29	1.16	0.26	-1.01	0.33
		-0.13	0.10		-0.11	0.03		-0.06	0.01
64X4W7	3.01	1.35	1.43	0.77	1.28	2.00	0.34	0.24	1.73
		0.36	0.16		0.11	0.04		0.02	0.03
HPD69R	2.60	-0.20	0.29	0.64	-0.24	1.48	0.28	-0.81	2.15
		-0.05	0.03		-0.02	0.03		-0.05	0.04
RP2M6B	3.20	2.04	0.64	0.75	0.99	0.03	0.43	1.63	0.49
		0.55	0.07		0.08	0.00		0.10	0.01
8B969K	2.78	0.50	0.44	0.66	-0.08	0.27	0.27	-0.91	0.00
		0.13	0.05		-0.01	0.01		-0.06	0.00
6KMCVP	2.87	0.82	1.62	0.67	0.08	0.43	0.34	0.19	1.22
		0.22	0.18		0.01	0.01		0.01	0.02
BWHFH6	2.65	0.00	1.86	0.65	-0.15	0.70	0.24	-1.45	0.14
		0.00	0.21		-0.01	0.02		-0.09	0.00
Grand Median		2.65		0.66			0.33		
Median Abs Dev		0.14		0.04			0.04		
Avg Within Lab SD		0.11		0.02			0.02		
Labs Included		10		10			10		
Labs Reporting		10		10			10		



ALP Program - Participant Web Summary Report - Cycle 24

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

TKN (SubTestCode 209)	Data units: Percent								
	SRB1404			SRB1405			SRB1406		
RBZUVM	2.67	0.57	1.52	1.90	1.77	1.84	1.90	2.80	1.37
		0.26	0.18		0.24	0.08		0.33	0.06
ZZZVNF	2.46	0.10	1.41	1.61	-0.34	1.67	1.52	-0.48	2.05
		0.05	0.17		-0.05	0.07		-0.06	0.09
2VXC28	2.20	-0.47	0.15	1.59	-0.46	0.43	1.55	-0.23	0.28
		-0.21	0.02		-0.06	0.02		-0.03	0.01
64X4W7	3.36	2.10	1.13	1.78	0.90	0.62	1.62	0.40	0.24
		0.94	0.14		0.12	0.03		0.05	0.01
ZV7WC6	1.99	-0.94	0.55	1.59	-0.49	0.38	1.55	-0.23	0.14
		-0.42	0.07		-0.07	0.02		-0.03	0.01
JKXUW9	2.17	-0.53	0.17	1.65	0.00	0.14	1.57	0.00	0.85
		-0.24	0.02		0.00	0.01		0.00	0.04
8B969K	2.41	0.00	1.03	1.76	0.76	0.28	1.64	0.59	0.28
		0.00	0.12		0.10	0.01		0.07	0.01
Grand Median		2.41		1.65			1.57		
Median Abs Dev		0.24		0.07			0.05		
Avg Within Lab SD		0.12		0.04			0.04		
Labs Included		7		7			7		
Labs Reporting		7		7			7		



ALP Program - Participant Web Summary Report - Cycle 24

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

N- Dry Comb. (SubTestCode 210)	Data units: Percent								
	SRB1404			SRB1405			SRB1406		
XQBLZF	3.74	1.82	0.57	1.94	1.63	1.61	1.76	1.20	0.64
		0.32	0.02		0.16	0.05		0.10	0.02
MFBFHP	3.73	1.74	0.11	1.84	0.70	0.25	1.71	0.58	0.29
		0.31	0.00		0.07	0.01		0.05	0.01
YN7FYE	3.64	1.26	2.05	1.81	0.35	0.30	1.70	0.43	0.21
		0.23	0.07		0.04	0.01		0.04	0.01
4TLEHA	3.26	-0.88	0.09	1.71	-0.64	0.20	1.55	-1.29	0.12
		-0.16	0.00		-0.06	0.01		-0.11	0.00
8DFL3A	3.43	0.08	0.59	1.79	0.19	0.63	1.69	0.31	0.76
		0.02	0.02		0.02	0.02		0.03	0.02
826UYA	3.40	-0.08	0.59	2.00	2.24	0.30	1.52	-1.69	0.73
		-0.02	0.02		0.23	0.01		-0.14	0.02
7XP3B3	3.39	-0.16	1.46	1.78	0.08	0.83	1.66	0.01	0.86
		-0.03	0.05		0.01	0.03		0.00	0.02
YCB7FC	3.40	-0.08	0.00	1.83	0.59	1.73	1.70	0.47	0.00
		-0.02	0.00		0.06	0.06		0.04	0.00
HPD69R	3.48	0.38	1.35	1.75	-0.21	1.25	1.58	-1.01	0.56
		0.07	0.05		-0.02	0.04		-0.08	0.02
WHN7Y7	3.51	0.55	0.85	1.87	0.92	0.69	1.71	0.63	0.56
		0.10	0.03		0.09	0.02		0.05	0.02
RP2M6B	3.37	-0.27	0.90	1.77	-0.08	1.21	1.58	-0.93	2.01
		-0.05	0.03		-0.01	0.04		-0.08	0.06
4E3UZ3	3.39	-0.12	0.90	1.70	-0.71	0.46	1.62	-0.49	0.00
		-0.02	0.03		-0.07	0.02		-0.04	0.00
LAQVYJ	3.34	-0.44	0.34	1.71	-0.64	0.30	1.55	-1.33	0.00
		-0.08	0.01		-0.06	0.01		-0.11	0.00
ZV7WC6	3.60	1.04	0.29	1.72	-0.54	0.30	1.67	0.11	0.00
		0.19	0.01		-0.05	0.01		0.01	0.00
73MLCZ	3.38	-0.20	0.00	1.75	-0.27	0.76	1.60	-0.69	0.76
		-0.04	0.00		-0.03	0.03		-0.06	0.02
3C6QXV	3.49	0.42		1.75	-0.24		1.73	0.83	
		0.08	0.00		-0.02	0.00		0.07	0.00
WRRHVZ	3.70	1.59	1.28	1.94	1.62	0.23	1.74	0.90	0.66
		0.28	0.04		0.16	0.01		0.07	0.02
2U4NKX	3.40	-0.10	1.77	1.76	-0.11	0.46	1.66	-0.01	0.36
		-0.02	0.06		-0.01	0.02		0.00	0.01
7EE8HV	3.36	-0.29	0.40	1.73	-0.47	0.51	1.66	-0.05	0.32
		-0.05	0.01		-0.05	0.02		0.00	0.01
3P8J4X	3.28	-0.74	2.08	1.61	-1.63	3.14	1.52	-1.65	3.69
		-0.13	0.07		-0.16	0.10		-0.14	0.10



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
8B969K	3.71	1.66	0.29	1.83	0.59	0.35	1.65	-0.09	0.21
		0.30	0.01		0.06	0.01		-0.01	0.01
6KMCVP	3.58	0.93	0.98	1.81	0.40	0.27	1.67	0.15	0.31
		0.17	0.03		0.04	0.01		0.01	0.01
Grand Median		3.42			1.77			1.66	
Median Abs Dev		0.08			0.06			0.05	
Avg Within Lab SD		0.03			0.03			0.03	
Labs Included		22			22			22	
Labs Reporting		22			22			22	



ALP Program - Participant Web Summary Report - Cycle 24

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

P (SubTestCode 212)	in the Wet Digestion Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	0.31	0.07	0.04	0.22	0.18	0.77	0.10	0.11	0.10	
		0.00	0.01		0.00	0.01		0.00	0.00	
MFBFHP	0.30	-0.09	0.04	0.20	-0.30	0.41	0.10	-0.02	0.42	
		-0.01	0.01		-0.01	0.00		0.00	0.00	
RBZUVM	0.32	0.19	0.06	0.23	0.66	0.77	0.12	1.56	1.12	
		0.01	0.01		0.02	0.01		0.02	0.01	
YN7FYE	0.32	0.20	0.05	0.22	0.51	1.80	0.10	0.43	1.38	
		0.01	0.01		0.01	0.02		0.01	0.01	
77XW3A	0.31	0.13	0.03	0.22	0.23	0.62	0.10	0.02	0.64	
		0.01	0.01		0.01	0.01		0.00	0.00	
ZZZVNF	0.29	-0.25	0.04	0.20	-0.59	0.61	0.09	-0.95	0.69	
		-0.02	0.01		-0.01	0.01		-0.01	0.00	
8DFL3A	0.31	0.08	0.09	0.23	0.64	0.62	0.11	0.71	0.91	
		0.01	0.02		0.02	0.01		0.01	0.01	
826UYA	0.26	-0.70	0.03	0.18	-1.14	0.62	0.08	-1.08	0.91	
		-0.05	0.01		-0.03	0.01		-0.01	0.01	
7XP3B3	0.33	0.31	0.01	0.23	0.59	0.06	0.11	0.61	0.66	
		0.02	0.00		0.01	0.00		0.01	0.00	
YCB7FC	0.30	-0.07	0.04	0.21	-0.04	0.00	0.10	0.20	0.00	
		0.00	0.01		0.00	0.00		0.00	0.00	
64X4W7	0.30	-0.07	0.04	0.22	0.23	0.62	0.10	0.31	0.37	
		0.00	0.01		0.01	0.01		0.00	0.00	
WHN7Y7	0.29	-0.18	0.19	0.21	0.04	2.04	0.10	-0.08	1.66	
		-0.01	0.04		0.00	0.02		0.00	0.01	
RP2M6B	0.31	0.08	0.08	0.22	0.37	0.00	0.10	0.20	0.00	
		0.01	0.02		0.01	0.00		0.00	0.00	
4E3UZ3	0.27	-0.46	0.18	0.19	-0.86	2.82	0.07	-2.10	3.17	
		-0.03	0.04		-0.02	0.03		-0.03	0.02	
LAQVYJ	0.28	-0.40	0.01	0.20	-0.52	0.16	0.09	-0.56	0.16	
		-0.03	0.00		-0.01	0.00		-0.01	0.00	
ZV7WC6	0.27	-0.46	0.05	0.19	-0.73	0.62	0.09	-0.56	0.00	
		-0.03	0.01		-0.02	0.01		-0.01	0.00	
73MLCZ	0.29	-0.16	0.05	0.21	-0.04	0.00	0.09	-0.31	0.91	
		-0.01	0.01		0.00	0.00		0.00	0.01	
3C6QXV	0.44	1.98		0.31	4.07		0.14	3.27		
		0.14	0.00		0.10	0.00		0.04	0.00	
WRRHVZ	0.94	9.30	5.09	0.17	-1.56	0.39	0.08	-1.31	0.48	
		0.64	1.15		-0.04	0.00		-0.02	0.00	
7EE8HV	0.28	-0.31	0.03	0.20	-0.49	0.28	0.09	-0.62	0.18	
		-0.02	0.01		-0.01	0.00		-0.01	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
3P8J4X	0.32	0.18	0.03	0.21	0.10	0.62	0.09	-0.31	1.83
		0.01	0.01		0.00	0.01		0.00	0.01
JKXUW9	0.28	-0.31	0.03	0.19	-0.73	0.62	0.09	-0.74	0.40
		-0.02	0.01		-0.02	0.01		-0.01	0.00
8B969K	0.33	0.32	0.03	0.23	0.92	0.62	0.10	0.20	0.00
		0.02	0.01		0.02	0.01		0.00	0.00
6KMCVP	0.32	0.24	0.02	0.20	-0.36	2.12	0.10	0.40	0.95
		0.02	0.00		-0.01	0.02		0.01	0.01
R7669N	0.33	0.34	0.06	0.21	0.10	0.50	0.10	0.38	0.37
		0.02	0.01		0.00	0.00		0.00	0.00
BWHFH6	0.26	-0.70	0.04	0.17	-1.56	0.93	0.09	-0.48	1.01
		-0.05	0.01		-0.04	0.01		-0.01	0.01
Grand Median		0.30			0.21			0.10	
Median Abs Dev		0.02			0.01			0.01	
Avg Within Lab SD		0.23			0.01			0.01	
Labs Included		26			26			26	
Labs Reporting		26			26			26	



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

K (SubTestCode 213)	in the Wet Digestion Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	9.98	1.60	0.45	1.80	0.79	0.27	1.10	0.73	0.26	
		1.58	0.11		0.20	0.02		0.11	0.01	
MFBFHP	7.95	-0.45	0.22	1.54	-0.24	0.47	1.05	0.41	0.37	
		-0.44	0.06		-0.06	0.04		0.06	0.02	
RBZUVM	8.59	0.20	0.91	1.19	-1.63	4.23	0.98	-0.09	2.87	
		0.20	0.23		-0.41	0.34		-0.01	0.16	
YN7FYE	9.48	1.09	0.53	2.48	3.56	0.31	1.26	1.84	0.82	
		1.08	0.14		0.88	0.03		0.27	0.05	
77XW3A	6.31	-2.11	0.22	1.42	-0.74	0.40	0.85	-0.96	0.37	
		-2.08	0.06		-0.18	0.03		-0.14	0.02	
ZZZVNF	8.12	-0.28	0.62	1.71	0.44	0.57	1.07	0.52	1.04	
		-0.28	0.16		0.11	0.05		0.08	0.06	
8DFL3A	7.57	-0.83	0.19	1.84	0.98	0.19	1.06	0.47	0.53	
		-0.82	0.05		0.24	0.02		0.07	0.03	
826UYA	7.58	-0.82	0.18	1.37	-0.91	0.26	0.91	-0.54	0.27	
		-0.81	0.05		-0.23	0.02		-0.08	0.02	
7XP3B3	8.74	0.34	0.21	1.80	0.79	0.19	1.13	0.96	0.53	
		0.34	0.06		0.20	0.02		0.14	0.03	
YCB7FC	7.92	-0.48	0.72	1.50	-0.42	0.38	0.93	-0.45	0.10	
		-0.47	0.19		-0.10	0.03		-0.07	0.01	
64X4W7	8.65	0.25	0.29	1.67	0.27	0.07	1.02	0.20	0.31	
		0.25	0.08		0.07	0.01		0.03	0.02	
WHN7Y7	9.35	0.97	3.63	1.63	0.13	0.71	0.99	0.02	0.85	
		0.96	0.93		0.03	0.06		0.00	0.05	
RP2M6B	8.34	-0.05	0.45	1.79	0.78	0.14	1.24	1.74	0.74	
		-0.05	0.12		0.19	0.01		0.25	0.04	
4E3UZ3	6.70	-1.72	0.65	1.45	-0.62	1.06	0.90	-0.66	1.53	
		-1.70	0.17		-0.15	0.09		-0.10	0.09	
LAQVYJ	8.64	0.25	0.31	1.60	0.01	0.19	0.96	-0.24	0.10	
		0.24	0.08		0.00	0.02		-0.04	0.01	
ZV7WC6	8.65	0.25	0.16	1.49	-0.43	0.26	0.93	-0.40	0.27	
		0.25	0.04		-0.11	0.02		-0.06	0.02	
73MLCZ	8.19	-0.21	0.27	1.60	-0.01	0.31	0.92	-0.47	1.15	
		-0.21	0.07		0.00	0.03		-0.07	0.07	
3C6QXV	7.68	-0.72		1.49	-0.44		0.48	-3.54		
		-0.72	0.00		-0.11	0.00		-0.51	0.00	
WRRHVZ	10.39	2.02	0.10	1.70	0.41	0.13	1.04	0.32	0.09	
		2.00	0.03		0.10	0.01		0.05	0.01	
7EE8HV	9.15	0.76	0.67	1.42	-0.72	0.37	0.93	-0.45	0.06	
		0.75	0.17		-0.18	0.03		-0.07	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
3P8J4X	8.25	-0.14	0.39	1.61	0.05	0.44	0.91	-0.57	2.78
		-0.14	0.10		0.01	0.04		-0.08	0.16
JKXUW9	8.40	0.00	1.79	1.57	-0.13	0.72	0.97	-0.13	0.45
		0.00	0.46		-0.03	0.06		-0.02	0.03
8B969K	9.29	0.90	0.55	1.85	1.02	0.63	1.13	0.94	0.10
		0.89	0.14		0.25	0.05		0.14	0.01
6KMCVP	8.09	-0.31	0.70	1.38	-0.89	1.68	1.07	0.56	0.79
		-0.30	0.18		-0.22	0.13		0.08	0.04
R7669N	9.16	0.78	1.08	1.64	0.15	0.07	1.04	0.31	0.27
		0.77	0.28		0.04	0.01		0.05	0.02
BWHFH6	8.39	0.00	1.93	1.36	-0.97	0.99	0.99	-0.02	1.13
		0.00	0.49		-0.24	0.08		0.00	0.06
Grand Median		8.40		1.60			0.99		
Median Abs Dev		0.46		0.13			0.07		
Avg Within Lab SD		0.26		0.08			0.06		
Labs Included		26		26			26		
Labs Reporting		26		26			26		



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

Ca (SubTestCode 214)	in the Wet Digestion Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	1.64	0.37	0.81	0.52	0.55	0.97	2.11	0.85	0.20	
		0.06	0.06		0.04	0.02		0.17	0.02	
MFBFHP	1.53	-0.35	0.15	0.49	0.15	0.34	2.02	0.41	0.15	
		-0.05	0.01		0.01	0.01		0.08	0.01	
RBZUVM	1.67	0.52	1.56	0.53	0.76	0.65	2.29	1.78	0.30	
		0.08	0.11		0.05	0.01		0.35	0.02	
YN7FYE	1.71	0.81	0.78	0.61	2.06	0.63	2.03	0.46	0.75	
		0.12	0.06		0.13	0.01		0.09	0.06	
77XW3A	1.40	-1.19	0.28	0.42	-0.89	1.74	1.61	-1.68	0.24	
		-0.18	0.02		-0.06	0.03		-0.33	0.02	
ZZZVNF	1.49	-0.65	0.93	0.46	-0.26	0.63	1.85	-0.46	0.42	
		-0.10	0.07		-0.02	0.01		-0.09	0.03	
8DFL3A	1.48	-0.69	0.27	0.60	1.84	0.63	2.03	0.48	0.14	
		-0.11	0.02		0.12	0.01		0.09	0.01	
826UYA	1.29	-1.91	0.31	0.42	-0.95	1.44	1.74	-1.04	1.11	
		-0.29	0.02		-0.06	0.03		-0.20	0.09	
7XP3B3	1.72	0.89	0.44	0.58	1.65	0.22	2.12	0.93	0.25	
		0.14	0.03		0.10	0.00		0.18	0.02	
YCB7FC	1.36	-1.45	0.52	0.43	-0.84	0.31	1.74	-1.04	0.19	
		-0.22	0.04		-0.05	0.01		-0.20	0.02	
64X4W7	1.61	0.13	1.29	0.50	0.37	1.37	2.08	0.71	1.71	
		0.02	0.10		0.02	0.03		0.14	0.14	
WHN7Y7	1.59	0.00	3.50	0.50	0.24	0.67	1.96	0.08	0.99	
		0.00	0.26		0.02	0.01		0.02	0.08	
RP2M6B	1.65	0.39	0.31	0.51	0.53	0.31	2.11	0.88	0.43	
		0.06	0.02		0.03	0.01		0.17	0.04	
4E3UZ3	1.65	0.43	1.85	0.46	-0.37	2.19	1.94	0.00	1.60	
		0.07	0.14		-0.02	0.04		0.00	0.13	
ZV7WC6	1.47	-0.74	0.28	0.45	-0.42	0.31	1.88	-0.29	0.19	
		-0.11	0.02		-0.03	0.01		-0.06	0.02	
73MLCZ	1.59	0.04	0.08	0.49	0.11	0.63	1.90	-0.20	1.00	
		0.01	0.01		0.01	0.01		-0.04	0.08	
3C6QXV	1.49	-0.63		0.48	0.00		1.89	-0.25		
		-0.10	0.00		0.00	0.00		-0.05	0.00	
WRRHVZ	1.51	-0.51	0.08	0.45	-0.43	0.14	1.79	-0.76	0.03	
		-0.08	0.01		-0.03	0.00		-0.15	0.00	
7EE8HV	1.52	-0.42	0.40	0.47	-0.18	0.72	1.90	-0.22	0.24	
		-0.06	0.03		-0.01	0.01		-0.04	0.02	
3P8J4X	1.59	0.00	0.57	0.51	0.42	0.31	1.79	-0.76	3.18	
		0.00	0.04		0.03	0.01		-0.15	0.26	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
JKXUW9	1.47	-0.78	0.79	0.46	-0.26	0.31	1.87	-0.37	0.71
8B969K	1.70	-0.12	0.06	0.54	-0.02	0.01	2.10	-0.07	0.06
6KMCVP	1.69	0.71	0.34	0.44	0.95	0.54	2.11	0.82	0.37
R7669N	1.61	0.11	0.03	0.46	0.06	0.01	1.99	0.16	0.03
BWHFH6	1.21	0.66	0.81	0.37	-0.58	2.62	1.70	0.89	1.47
		0.10	0.06		-0.04	0.05		0.17	0.12
		0.17	0.42		-0.25	0.14		0.25	0.12
		0.03	0.03		-0.02	0.00		0.05	0.01
		-2.42	0.34		-1.80	1.21		-1.22	1.41
		-0.37	0.03		-0.11	0.02		-0.24	0.12
Grand Median		1.59			0.48			1.94	
Median Abs Dev		0.10			0.03			0.14	
Avg Within Lab SD		0.07			0.02			0.08	
Labs Included		25			25			25	
Labs Reporting		25			25			25	



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

Mg (SubTestCode 215)	in the Wet Digestion Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	0.87	0.86	0.04	0.29	0.78	0.84	0.29	0.41	0.16	
		0.06	0.00		0.02	0.01		0.01	0.00	
MFBFHP	0.79	-0.23	0.39	0.27	0.21	0.58	0.29	0.68	0.78	
		-0.02	0.01		0.01	0.01		0.02	0.01	
RBZUVM	0.84	0.38	0.52	0.29	0.88	0.61	0.32	1.47	0.24	
		0.03	0.02		0.02	0.01		0.04	0.00	
YN7FYE	0.90	1.27	0.96	0.35	2.85	0.75	0.31	1.33	0.17	
		0.10	0.03		0.08	0.01		0.04	0.00	
77XW3A	0.76	-0.58	0.47	0.26	-0.20	0.93	0.24	-1.12	0.43	
		-0.04	0.02		-0.01	0.01		-0.03	0.01	
ZZZVNF	0.80	-0.09	0.31	0.28	0.51	0.93	0.28	0.29	1.14	
		-0.01	0.01		0.01	0.01		0.01	0.02	
8DFL3A	0.90	1.25	0.53	0.34	2.53	0.54	0.32	1.59	0.00	
		0.09	0.02		0.07	0.01		0.05	0.00	
826UYA	0.68	-1.69	0.53	0.24	-0.80	1.42	0.26	-0.65	0.43	
		-0.13	0.02		-0.02	0.02		-0.02	0.01	
7XP3B3	0.90	1.24	0.20	0.31	1.41	0.30	0.32	1.41	0.41	
		0.09	0.01		0.04	0.00		0.04	0.01	
YCB7FC	0.72	-1.20	0.47	0.24	-1.03	0.54	0.24	-1.24	0.00	
		-0.09	0.02		-0.03	0.01		-0.04	0.00	
64X4W7	0.85	0.60	1.47	0.29	0.99	1.42	0.31	1.12	1.14	
		0.04	0.05		0.03	0.02		0.03	0.02	
WHN7Y7	0.79	-0.22	2.91	0.27	0.08	0.89	0.27	-0.29	0.85	
		-0.02	0.09		0.00	0.01		-0.01	0.01	
RP2M6B	0.80	-0.09	1.34	0.28	0.39	0.54	0.27	-0.06	0.43	
		-0.01	0.04		0.01	0.01		0.00	0.01	
4E3UZ3	0.81	0.09	2.48	0.26	-0.20	2.46	0.27	-0.29	2.39	
		0.01	0.08		-0.01	0.03		-0.01	0.03	
ZV7WC6	0.86	0.76	0.18	0.26	-0.08	0.54	0.27	-0.18	0.00	
		0.06	0.01		0.00	0.01		-0.01	0.00	
73MLCZ	0.78	-0.31	0.18	0.26	-0.08	0.54	0.26	-0.65	0.86	
		-0.02	0.01		0.00	0.01		-0.02	0.01	
3C6QXV	0.74	-0.89		0.26	-0.20		0.27	-0.18		
		-0.07	0.00		-0.01	0.00		-0.01	0.00	
WRRHVZ	0.89	1.08	0.34	0.29	0.89	0.03	0.28	0.18	0.15	
		0.08	0.01		0.03	0.00		0.01	0.00	
7EE8HV	0.79	-0.24	0.29	0.26	-0.18	0.19	0.26	-0.49	0.20	
		-0.02	0.01		-0.01	0.00		-0.01	0.00	
3P8J4X	0.79	-0.27	0.35	0.26	-0.08	0.54	0.25	-0.88	3.24	
		-0.02	0.01		0.00	0.01		-0.03	0.04	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
JKXUW9	0.75	-0.76	1.11	0.25	-0.56	0.93	0.25	-0.76	0.43
		-0.06	0.04		-0.02	0.01		-0.02	0.01
8B969K	0.87	0.85	0.61	0.29	0.87	0.00	0.28	0.29	0.43
		0.06	0.02		0.02	0.00		0.01	0.01
6KMCVP	0.87	0.91	0.81	0.26	-0.19	2.58	0.29	0.57	1.33
		0.07	0.03		-0.01	0.03		0.02	0.02
R7669N	0.83	0.34	0.50	0.26	-0.19	0.11	0.28	0.06	0.34
		0.03	0.02		-0.01	0.00		0.00	0.00
Grand Median		0.81			0.27			0.28	
Median Abs Dev		0.05			0.01			0.02	
Avg Within Lab SD		0.03			0.01			0.01	
Labs Included		24			24			24	
Labs Reporting		24			24			24	



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

S (SubTestCode 216)	in the Wet Digestion Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	0.24	0.94	0.83	0.16	0.71	0.78	0.25	0.89	0.23	
		0.03	0.01		0.02	0.01		0.03	0.00	
MFBFHP	0.21	-0.17	0.47	0.14	0.12	0.22	0.22	0.12	0.16	
		0.00	0.01		0.00	0.00		0.00	0.00	
RBZUVM	0.25	1.15	1.14	0.18	1.58	2.12	0.27	1.41	1.20	
		0.03	0.01		0.04	0.02		0.05	0.02	
YN7FYE	0.25	1.20	0.86	0.16	0.67	0.78	0.26	1.15	0.00	
		0.03	0.01		0.02	0.01		0.04	0.00	
77XW3A	0.21	-0.12	0.50	0.13	-0.37	0.78	0.21	-0.32	0.75	
		0.00	0.01		-0.01	0.01		-0.01	0.01	
ZZZVNF	0.21	-0.36	0.50	0.13	-0.37	0.78	0.20	-0.52	0.44	
		-0.01	0.01		-0.01	0.01		-0.02	0.01	
8DFL3A	0.22	0.00	0.99	0.15	0.37	1.36	0.22	-0.12	0.44	
		0.00	0.01		0.01	0.01		0.00	0.01	
826UYA	0.22	0.12	0.86	0.15	0.37	1.36	0.24	0.56	2.00	
		0.00	0.01		0.01	0.01		0.02	0.03	
7XP3B3	0.22	0.14	1.54	0.15	0.15	0.36	0.22	0.07	0.30	
		0.00	0.02		0.00	0.00		0.00	0.00	
YCB7FC	0.21	-0.36	0.50	0.14	-0.07	0.00	0.22	-0.02	0.00	
		-0.01	0.01		0.00	0.00		0.00	0.00	
64X4W7	0.22	0.00	0.50	0.14	-0.07	0.00	0.23	0.27	0.00	
		0.00	0.01		0.00	0.00		0.01	0.00	
HPD69R	0.21	-0.36	0.50	0.14	-0.07	0.00	0.20	-0.52	0.44	
		-0.01	0.01		0.00	0.00		-0.02	0.01	
WHN7Y7	0.20	-0.50	3.05	0.14	-0.19	1.72	0.20	-0.75	1.81	
		-0.01	0.04		0.00	0.01		-0.03	0.02	
RP2M6B	0.23	0.48	0.86	0.15	0.52	0.78	0.23	0.37	0.44	
		0.01	0.01		0.01	0.01		0.01	0.01	
4E3UZ3	0.26	1.56	2.27	0.19	2.02	2.07	0.25	0.76	1.90	
		0.04	0.03		0.05	0.02		0.03	0.03	
ZV7WC6	0.19	-0.84	0.50	0.13	-0.52	0.00	0.21	-0.32	0.00	
		-0.02	0.01		-0.01	0.00		-0.01	0.00	
73MLCZ	0.22	0.00	0.50	0.15	0.22	0.78	0.21	-0.22	0.44	
		0.00	0.01		0.01	0.01		-0.01	0.01	
3C6QXV	0.11	-3.84		0.03	-5.00		0.10	-3.56		
		-0.11	0.00		-0.11	0.00		-0.12	0.00	
WRRHVZ	0.18	-1.15	0.22	0.13	-0.73	0.49	0.19	-1.03	0.27	
		-0.03	0.00		-0.02	0.00		-0.03	0.00	
7EE8HV	0.22	0.29	0.47	0.14	-0.07	0.36	0.22	0.02	0.70	
		0.01	0.01		0.00	0.00		0.00	0.01	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
3P8J4X	0.22	0.24	0.50	0.14	0.07	0.78	0.20	-0.52	2.86
JKXUW9	0.17	-1.56	0.50	0.11	-1.42	0.00	0.18	-1.30	0.44
8B969K	0.24	-0.04	0.01	0.16	-0.03	0.00	0.24	-0.04	0.01
6KMCVP	0.23	0.72	0.50	0.14	0.82	0.00	0.23	0.47	0.44
R7669N	0.22	0.02	0.01	0.14	0.02	0.00	0.20	0.02	0.01
BWHFH6	0.24	0.37	0.33	0.16	-0.16	2.15	0.27	0.36	1.00
		0.01	0.00		0.00	0.02		0.01	0.01
		-0.04	0.60		-0.10	0.21		-0.49	0.22
		0.00	0.01		0.00	0.00		-0.02	0.00
		1.01	0.74		0.72	1.03		1.41	1.37
		0.03	0.01		0.02	0.01		0.05	0.02
Grand Median		0.22			0.14			0.22	
Median Abs Dev		0.01			0.01			0.02	
Avg Within Lab SD		0.01			0.01			0.01	
Labs Included		26			26			26	
Labs Reporting		26			26			26	



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

Na (SubTestCode 217)	in the Wet Digestion Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
XQBLZF	0.100	0.455	0.251	0.006	0.281	0.919	0.181	0.653	0.059	
		0.008	0.002		0.002	0.002		0.013	0.001	
MFBFHP	0.083	-0.576	0.220	0.003	-0.165	0.352	0.160	-0.396	0.347	
		-0.010	0.002		-0.001	0.001		-0.008	0.003	
RBZUVM	0.128	2.129	0.211	0.038	4.978	3.129	0.221	2.696	0.428	
		0.036	0.002		0.034	0.006		0.053	0.004	
77XW3A	0.083	-0.572	0.058	0.004	0.000	0.000	0.150	-0.933	0.000	
		-0.010	0.001		0.000	0.000		-0.018	0.000	
ZZZVNF	0.087	-0.335	0.585	0.010	0.870	0.000	0.177	0.436	0.593	
		-0.006	0.006		0.006	0.000		0.009	0.006	
8DFL3A	0.090	-0.138	1.013	0.010	0.870	0.000	0.167	-0.077	1.569	
		-0.002	0.010		0.006	0.000		-0.002	0.015	
826UYA	0.087	-0.335	0.585	0.010	0.870	0.000	0.157	-0.590	0.593	
		-0.006	0.006		0.006	0.000		-0.012	0.006	
7XP3B3	0.133	2.385	1.976	0.019	2.209	0.347	0.185	0.847	1.638	
		0.040	0.020		0.015	0.001		0.017	0.016	
YCB7FC	0.097	0.296	0.520	0.004	0.000	0.000	0.163	-0.248	0.119	
		0.005	0.005		0.000	0.000		-0.005	0.001	
64X4W7	0.037	-3.292	2.549	0.010	0.870	0.000	0.180	0.608	1.027	
		-0.056	0.025		0.006	0.000		0.012	0.010	
WHN7Y7	0.100	0.453	2.108	0.007	0.483	2.803	0.180	0.590	1.559	
		0.008	0.021		0.003	0.005		0.012	0.015	
RP2M6B	0.097	0.256	0.585	0.004	0.000	0.000	0.167	-0.077	0.593	
		0.004	0.006		0.000	0.000		-0.002	0.006	
4E3UZ3	0.083	-0.532	1.547				0.153	-0.762	2.585	
		-0.009	0.015					-0.015	0.025	
ZV7WC6	0.089	-0.195	0.197	0.003	-0.155	0.033	0.166	-0.122	0.054	
		-0.003	0.002		-0.001	0.000		-0.002	0.001	
73MLCZ	0.095	0.138	0.058	0.004	-0.048	0.328	0.153	-0.762	0.837	
		0.002	0.001		0.000	0.001		-0.015	0.008	
7EE8HV	0.089	-0.177	0.058	0.005	0.193	0.328	0.140	-1.446	0.272	
		-0.003	0.001		0.001	0.001		-0.028	0.003	
8B969K	0.100	0.453	0.000	0.003	-0.145	0.000	0.190	1.121	0.000	
		0.008	0.000		-0.001	0.000		0.022	0.000	
6KMCVP	0.095	0.176	0.224	0.003	-0.207	0.219	0.174	0.305	0.901	
		0.003	0.002		-0.001	0.000		0.006	0.009	
R7669N	0.095	0.158	0.255	0.003	-0.203	0.000	0.170	0.077	0.157	
		0.003	0.003		-0.001	0.000		0.002	0.002	
BWHFH6	0.085	-0.438	0.341	0.002	-0.268	0.040	0.183	0.744	1.301	
		-0.007	0.003		-0.002	0.000		0.015	0.013	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		0.09		0.004			0.17		
Median Abs Dev		0.01		0.001			0.01		
Avg Within Lab SD		0.01		0.002			0.01		
Labs Included		20		19			20		
Labs Reporting		20		19			20		



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

AI (SubTestCode 218)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
XQBLZF	114.8	0.6	0.7	409.2	0.0	0.3	267.6	-0.3	0.2	
		31.5	4.8		0.0	8.0		-48.8	3.8	
MFBFHP	110.5	0.5	0.1	654.2	1.1	0.8	441.4	0.8	0.7	
		27.1	0.6		244.9	19.3		125.0	10.5	
ZZZVNF	107.7	0.5	1.0	402.3	0.0	0.1	282.0	-0.2	1.3	
		24.3	6.8		-6.9	2.5		-34.4	21.0	
8DFL3A	44.0	-0.7	0.2	133.7	-1.2	0.2	131.7	-1.2	0.1	
		-39.3	1.0		-275.5	5.5		-184.7	2.3	
YCB7FC	58.3	-0.5	0.5	430.0	0.1	0.8	358.3	0.3	0.1	
		-25.0	3.1		20.8	21.3		41.9	1.5	
WHN7Y7	67.3	-0.3	1.9	276.7	-0.6	2.6	205.7	-0.7	2.2	
		-16.0	12.7		-132.5	65.4		-110.7	33.6	
RP2M6B	54.3	-0.6	1.5	271.3	-0.6	0.6	226.3	-0.6	1.2	
		-29.0	9.9		-137.9	15.3		-90.1	17.9	
ZV7WC6	49.1	-0.7	0.7	278.1	-0.6	1.1	316.4	0.0	1.2	
		-34.3	4.9		-131.1	26.9		0.0	19.4	
7EE8HV	107.4	0.5	0.4	547.8	0.6	0.5	344.6	0.2	0.3	
		24.0	2.9		138.6	11.8		28.2	4.1	
8B969K	179.8	1.8	1.7	690.2	1.3	0.4	534.1	1.4	0.4	
		96.5	11.6		281.0	10.9		217.7	5.9	
6KMCVP	0.0	-1.6	0.0	0.1	-1.8	0.0	0.1	-2.0	0.0	
		-83.3	0.0		-409.1	0.0		-316.3	0.0	
R7669N	113.7	0.6	0.6	565.3	0.7	1.3	449.0	0.8	0.4	
		30.3	3.8		156.1	32.0		132.6	7.0	
BWHFH6	83.3	0.0	1.1	439.0	0.1	1.3	382.3	0.4	1.6	
		0.0	7.4		29.8	32.4		65.9	25.5	
Grand Median		83.3		409.2			316.4			
Median Abs Dev		29.0		137.9			90.1			
Avg Within Lab SD		6.6		25.6			15.6			
Labs Included		13		13			13			
Labs Reporting		13		13			13			



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

B (SubTestCode 219)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
XQBLZF	28.8	-0.1	0.5	10.4	-0.3	1.2	34.1	0.3	0.5	
		-0.5	2.0		-0.7	1.2		1.7	0.8	
YN7FYE	25.8	-0.6	0.2	10.5	-0.2	0.2	30.7	-0.4	0.2	
		-3.5	0.8		-0.6	0.2		-1.8	0.3	
77XW3A	31.1	0.3	0.2	17.1	2.4	0.5	35.5	0.6	1.0	
		1.8	0.8		6.0	0.5		3.0	1.6	
ZZZVNF	40.0	2.0	0.7	20.3	3.7	2.6	46.7	3.0	1.8	
		10.7	2.6		9.2	2.5		14.2	2.9	
8DFL3A	30.3	0.2	0.1	12.0	0.4		32.7	0.0	0.4	
		1.0	0.6		0.9	0.0		0.2	0.6	
826UYA	24.2	-1.0	0.2	9.3	-0.7	0.5	29.6	-0.6	0.6	
		-5.1	0.9		-1.8	0.5		-2.9	0.9	
7XP3B3	32.0	0.5	0.4	12.6	0.6	1.1	37.5	1.1	0.1	
		2.7	1.5		1.5	1.1		5.1	0.2	
YCB7FC	26.0	-0.6	0.3	10.0	-0.4		30.0	-0.5		
		-3.3	1.0		-1.1	0.0		-2.5	0.0	
64X4W7	30.3	0.2	0.4	13.3	0.9	0.8	38.6	1.3	1.1	
		1.0	1.5		2.2	0.8		6.1	1.8	
WHN7Y7	22.3	-1.3	0.1	9.3	-0.7	0.6	25.0	-1.6	0.6	
		-7.0	0.6		-1.8	0.6		-7.5	1.0	
RP2M6B	30.3	0.2	0.1	11.3	0.1	0.6	34.3	0.4	0.7	
		1.0	0.6		0.2	0.6		1.9	1.2	
4E3UZ3	25.3	-0.7	0.3	7.8	-1.3	0.1	29.5	-0.6	1.2	
		-4.0	1.3		-3.3	0.1		-2.9	1.9	
ZV7WC6	25.8	-0.6	0.1	9.9	-0.5	0.1	31.5	-0.2	0.1	
		-3.5	0.3		-1.2	0.1		-1.0	0.1	
WRRHVZ	28.3	-0.2	0.0	10.7	-0.2	0.2	31.1	-0.3	0.1	
		-1.0	0.1		-0.4	0.1		-1.4	0.1	
7EE8HV	26.5	-0.5	0.1	11.5	0.2	0.5	31.2	-0.3	0.7	
		-2.8	0.4		0.4	0.5		-1.3	1.1	
3P8J4X	30.2	0.2	0.4	11.1	0.0	0.7	30.8	-0.3	2.6	
		0.9	1.4		0.0	0.7		-1.6	4.3	
JKXUW9	26.4	-0.5	0.5	10.2	-0.4	1.3	32.0	-0.1	1.1	
		-2.9	2.0		-0.9	1.3		-0.5	1.8	
8B969K	31.4	0.4	0.1	11.6	0.2	0.4	36.5	0.8	0.4	
		2.1	0.4		0.5	0.4		4.0	0.7	
6KMCVP	49.7	3.8	4.4	12.9	0.7	2.4	38.5	1.3	1.9	
		20.4	17.1		1.8	2.3		6.0	3.0	
R7669N	29.3	0.0	0.2	10.2	-0.4	0.8	32.5	0.0	0.2	
		0.0	0.8		-0.9	0.8		0.0	0.4	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
BWHFH6	30.6	0.2 1.3	0.0 0.2	11.3	0.1 0.2	0.3 0.3	34.4	0.4 2.0	0.2 0.3
Grand Median	29.3			11.1			32.5		
Median Abs Dev	2.7			0.9			2.0		
Avg Within Lab SD	3.9			1.0			1.6		
Labs Included	21			21			21		
Labs Reporting	21			21			21		



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

Zn (SubTestCode 220)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
XQBLZF	29.7	0.4	0.7	22.6	0.2	0.4	19.9	0.2	0.4	
		1.6	1.3		0.8	1.7		0.6	0.5	
MFBFHP	26.4	-0.5	0.1	22.7	0.2	0.1	19.3	0.0	0.3	
		-1.7	0.2		0.9	0.5		0.0	0.3	
RBZUVM	33.0	1.3	3.1	22.2	0.1	0.2	22.0	0.9	0.4	
		4.9	6.0		0.4	0.9		2.7	0.5	
YN7FYE	27.7	-0.1	0.3	21.3	-0.1	0.1	19.7	0.1	1.0	
		-0.4	0.6		-0.5	0.6		0.4	1.2	
77XW3A	21.8	-1.7	0.1	16.6	-1.2	0.1	13.4	-2.0	0.4	
		-6.3	0.3		-5.2	0.3		-5.9	0.5	
ZZZVNF	33.7	1.5	1.1	23.7	0.4	0.5	24.0	1.6	2.3	
		5.6	2.1		1.8	2.3		4.7	2.6	
8DFL3A	29.3	0.3	0.8	21.3	-0.1	0.4	21.3	0.7	1.0	
		1.2	1.5		-0.5	1.5		2.0	1.2	
826UYA	23.6	-1.2	0.1	19.7	-0.5	0.0	16.9	-0.8	0.5	
		-4.5	0.2		-2.2	0.1		-2.4	0.6	
7XP3B3	29.8	0.5	0.4	22.4	0.1	0.5	19.0	-0.1	0.3	
		1.7	0.8		0.5	2.1		-0.3	0.3	
YCB7FC	25.7	-0.7	0.3	19.7	-0.5	0.5	17.0	-0.8		
		-2.4	0.6		-2.2	2.1		-2.3	0.0	
64X4W7	31.5	0.9	1.5	25.7	0.9	0.6	26.6	2.4	2.0	
		3.4	3.0		3.8	2.7		7.2	2.3	
WHN7Y7	27.3	-0.2	1.3	21.7	0.0	0.5	19.3	0.0	2.2	
		-0.8	2.5		-0.2	2.1		0.0	2.5	
RP2M6B	28.0	0.0		20.7	-0.3	0.1	19.3	0.0	0.5	
		-0.1	0.0		-1.2	0.6		0.0	0.6	
4E3UZ3	26.4	-0.5	0.7	19.0	-0.6	0.1	16.9	-0.8	0.4	
		-1.7	1.3		-2.8	0.3		-2.4	0.5	
ZV7WC6	25.9	-0.6	0.3	19.4	-0.6	0.2	19.3	0.0	0.6	
		-2.2	0.5		-2.4	1.1		0.0	0.6	
73MLCZ	27.0	-0.3	0.5	22.0	0.0	0.6	18.0	-0.4	0.9	
		-1.1	1.0		0.2	2.6		-1.3	1.0	
WRRHVZ	28.2	0.0	0.0	21.6	-0.1	0.0	17.7	-0.6	0.0	
		0.1	0.1		-0.3	0.1		-1.6	0.0	
7EE8HV	30.7	0.7	0.5	26.9	1.2	0.5	23.1	1.3	0.7	
		2.6	1.0		5.0	2.1		3.8	0.8	
3P8J4X	29.4	0.3	0.4	22.9	0.2	0.3	18.6	-0.2	1.6	
		1.3	0.7		1.0	1.5		-0.7	1.8	
JKXUW9	31.7	1.0	2.5	37.6	3.6	0.8	23.2	1.3	0.3	
		3.6	4.8		15.8	3.3		3.9	0.3	



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
8B969K	30.0	0.5		32.6	2.5	4.2	20.4	0.4	0.4
		1.9	0.0		10.8	17.8		1.1	0.4
6KMCVP	32.9	1.3	0.3	30.8	2.1	1.5	22.8	1.2	0.8
		4.8	0.6		9.0	6.6		3.5	1.0
R7669N	26.5	-0.4	0.4	19.6	-0.5	0.1	18.6	-0.2	0.2
		-1.6	0.8		-2.2	0.4		-0.7	0.2
BWHFH6	24.4	-1.0	0.5	20.9	-0.2	1.0	18.9	-0.1	1.1
		-3.7	1.0		-0.9	4.4		-0.4	1.3
Grand Median		28.1			21.8			19.3	
Median Abs Dev		1.8			1.5			1.5	
Avg Within Lab SD		1.9			4.3			1.1	
Labs Included		24			24			24	
Labs Reporting		24			24			24	



ALP Program - Participant Web Summary Report - Cycle 24

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

Mn (SubTestCode 221)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
XQBLZF	65.0	0.5	0.9	48.5	0.6	0.9	40.1	0.4	0.3	
		2.3	2.2		2.5	1.7		1.6	0.5	
MFBFHP	62.8	0.0	0.2	45.5	-0.1	0.3	40.6	0.5	0.3	
		0.2	0.6		-0.4	0.5		2.1	0.5	
RBZUVM	63.0	0.1	1.0	51.6	1.3	0.5	44.3	1.5	1.1	
		0.3	2.4		5.7	0.8		5.9	1.9	
YN7FYE	62.7	0.0	1.1	46.7	0.2	1.2	38.7	0.1	0.6	
		0.0	2.9		0.7	2.1		0.2	1.2	
77XW3A	51.6	-2.4	0.5	39.2	-1.6	0.8	31.0	-1.9	0.8	
		-11.1	1.2		-6.7	1.4		-7.5	1.4	
ZZZVNF	61.0	-0.4	1.0	44.7	-0.3	0.3	37.3	-0.3	0.6	
		-1.7	2.6		-1.3	0.6		-1.1	1.2	
8DFL3A	63.3	0.1	0.2	51.3	1.2	1.4	42.3	1.0	0.9	
		0.7	0.6		5.4	2.5		3.9	1.5	
826UYA	50.9	-2.5	0.2	36.6	-2.2	0.5	32.7	-1.5	0.2	
		-11.8	0.5		-9.3	0.9		-5.7	0.4	
7XP3B3	59.5	-0.7	1.0	41.8	-1.0	1.5	35.0	-0.9	1.0	
		-3.1	2.7		-4.1	2.7		-3.5	1.8	
YCB7FC	52.7	-2.1	0.6	39.3	-1.5	0.3	33.3	-1.3	0.3	
		-10.0	1.5		-6.6	0.6		-5.1	0.6	
64X4W7	63.5	0.2	1.1	49.8	0.9	1.2	42.2	0.9	0.9	
		0.8	2.8		3.8	2.1		3.7	1.7	
WHN7Y7	60.7	-0.4	3.2	46.0	0.0	1.5	38.7	0.1	1.7	
		-2.0	8.3		0.0	2.6		0.2	3.1	
RP2M6B	63.0	0.1	0.7	49.0	0.7	0.6	40.0	0.4	1.0	
		0.3	1.7		3.0	1.0		1.5	1.7	
4E3UZ3	63.5	0.2	1.7	45.4	-0.1	0.9	35.4	-0.8	1.1	
		0.9	4.3		-0.6	1.6		-3.1	1.9	
ZV7WC6	57.4	-1.1	0.3	43.9	-0.5	0.2	38.5	0.0	0.5	
		-5.3	0.7		-2.0	0.3		0.0	0.8	
73MLCZ	62.3	-0.1	0.2	47.7	0.4	0.9	38.0	-0.1	0.6	
		-0.3	0.6		1.7	1.5		-0.5	1.0	
WRRHVZ	66.5	0.8	0.1	46.0	0.0	0.1	37.6	-0.2	0.0	
		3.8	0.3		0.0	0.1		-0.9	0.1	
7EE8HV	59.5	-0.7	0.5	44.5	-0.3	0.5	37.1	-0.4	0.2	
		-3.2	1.2		-1.5	0.8		-1.4	0.4	
3P8J4X	62.6	0.0	0.4	46.5	0.1	0.5	35.8	-0.7	3.1	
		0.0	1.1		0.6	0.8		-2.7	5.5	
JKXUW9	57.7	-1.1	0.9	43.6	-0.5	0.3	36.3	-0.5	0.7	
		-5.0	2.3		-2.3	0.5		-2.1	1.3	



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
8B969K	67.4	1.0	0.1	53.0	1.6	0.2	42.4	1.0	0.3
		4.7	0.3		7.0	0.3		3.9	0.5
6KMCVP	67.6	1.1	0.4	47.0	0.2	2.9	41.5	0.8	1.4
		4.9	0.9		1.0	5.1		3.0	2.4
R7669N	62.7	0.0	0.8	45.5	-0.1	0.1	39.2	0.2	0.3
		0.0	2.1		-0.5	0.2		0.8	0.5
Grand Median		62.7			46.0			38.5	
Median Abs Dev		2.0			2.0			2.1	
Avg Within Lab SD		2.6			1.7			1.8	
Labs Included		23			23			23	
Labs Reporting		23			23			23	



ALP Program - Participant Web Summary Report - Cycle 24

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

Fe (SubTestCode 222)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
XQBLZF	147.6	0.1	0.3	305.4	0.0	0.1	336.5	-0.3	0.3	
		4.3	3.7		-1.5	3.8		-18.5	5.1	
MFBFHP	167.7	0.7	0.3	376.1	1.0	0.6	360.8	0.1	0.9	
		24.4	3.5		69.1	21.1		5.8	16.1	
RBZUVM	126.6	-0.5	0.6	307.5	0.0	0.6	391.6	0.5	0.4	
		-16.7	6.8		0.5	21.5		36.6	7.8	
YN7FYE	142.0	0.0	0.9	294.0	-0.2	1.6	304.7	-0.7	1.8	
		-1.3	10.4		-13.0	54.1		-50.3	32.0	
77XW3A	113.6	-0.8	0.8	244.6	-0.9	0.1	273.6	-1.2	0.3	
		-29.7	9.4		-62.4	4.4		-81.4	5.6	
ZZZVNF	168.0	0.7	0.9	319.0	0.2	0.4	326.8	-0.4	0.8	
		24.7	10.4		12.0	14.0		-28.2	14.0	
8DFL3A	116.7	-0.7	0.2	128.0	-2.6	0.1	240.7	-1.6	0.1	
		-26.7	2.3		-179.0	4.4		-114.3	1.5	
826UYA	134.3	-0.2	0.8	258.7	-0.7	0.1	302.7	-0.8	0.3	
		-9.0	9.9		-48.3	3.2		-52.3	5.1	
7XP3B3	158.3	0.4	0.5	295.3	-0.2	0.1	346.0	-0.1	0.8	
		15.0	6.4		-11.6	3.8		-9.0	14.5	
YCB7FC	130.7	-0.4	0.4	264.3	-0.6	0.4	357.0	0.0	0.1	
		-12.7	4.5		-42.6	11.8		2.0	1.0	
64X4W7	154.7	0.3	1.1	364.0	0.8	1.8	390.7	0.5	0.9	
		11.3	13.5		57.0	59.0		35.7	16.5	
WHN7Y7	144.7	0.0	1.5	343.0	0.5	0.8	272.0	-1.2	1.5	
		1.3	18.4		36.0	25.2		-83.0	26.0	
RP2M6B	83.3	-1.7	0.5	191.0	-1.7	0.5	254.3	-1.5	1.3	
		-60.0	6.0		-116.0	15.9		-100.7	23.5	
4E3UZ3	90.6	-1.5	0.2	202.1	-1.5	0.3	241.6	-1.6	1.2	
		-52.7	2.0		-104.9	8.9		-113.4	22.1	
ZV7WC6	100.4	-1.2	0.9	243.6	-0.9	0.4	360.0	0.1	0.6	
		-42.9	10.8		-63.4	12.6		5.0	11.2	
73MLCZ	157.7	0.4	0.8	321.0	0.2	1.7	382.7	0.4	0.5	
		14.3	9.3		14.0	56.5		27.7	8.1	
WRRHVZ	164.8	0.6	0.0	306.4	0.0	0.0	379.8	0.4	0.1	
		21.4	0.2		-0.5	0.5		24.8	1.6	
7EE8HV	136.9	-0.2	0.2	349.6	0.6	0.2	353.0	0.0	0.2	
		-6.4	2.8		42.7	6.5		-2.0	4.0	
3P8J4X	147.3	0.1	0.5	311.7	0.1	0.7	351.7	0.0	2.5	
		4.0	5.9		4.7	23.6		-3.3	44.0	
JKXUW9	135.3	-0.2	0.2	319.3	0.2	1.4	387.3	0.5	0.6	
		-8.0	2.1		12.4	45.5		32.3	11.6	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
8B969K	198.1	1.5	0.8	397.5	1.3	0.4	463.4	1.6	0.4
		54.8	10.3		90.6	12.2		108.4	7.7
6KMCVP	233.8	2.5	3.7	391.8	1.2	3.2	481.6	1.8	1.6
		90.4	44.9		84.9	107.3		126.6	28.6
R7669N	171.7	0.8	0.3	329.3	0.3	0.3	412.3	0.8	0.2
		28.3	3.8		22.4	10.4		57.3	2.9
BWHFH6	119.7	-0.7	0.7	265.0	-0.6	0.5	359.3	0.1	1.5
		-23.7	9.1		-42.0	17.5		4.3	26.1
Grand Median		143.3		307.0			355.0		
Median Abs Dev		19.1		42.3			34.0		
Avg Within Lab SD		12.2		33.4			17.9		
Labs Included		24		24			24		
Labs Reporting		24		24			24		



ALP Program - Participant Web Summary Report - Cycle 24

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

Cu (SubTestCode 223)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
XQBLZF	6.13	0.20	0.16	4.46	-0.55	0.85	6.65	-0.01	0.66	
		0.33	0.11		-0.86	0.33		-0.02	0.39	
MFBFHP	6.01	0.13	0.23	5.76	0.29	0.41	7.95	0.96	0.10	
		0.21	0.17		0.44	0.16		1.29	0.06	
RBZUVM	6.10	0.18	0.09	5.98	0.43	0.16	7.68	0.76	0.38	
		0.30	0.07		0.67	0.06		1.02	0.22	
YN7FYE	5.80	0.00	0.64	5.57	0.16	0.15	7.40	0.55	0.51	
		0.00	0.46		0.25	0.06		0.73	0.30	
77XW3A	12.93	4.28	0.43	13.97	5.59	0.89	10.63	2.97	0.52	
		7.13	0.31		8.65	0.35		3.97	0.31	
ZZZVNF	8.33	1.52	2.14	6.33	0.66	1.46	8.33	1.25	0.98	
		2.53	1.53		1.02	0.58		1.67	0.58	
8DFL3A	6.67	0.52	0.81	6.00	0.44	2.53	7.67	0.75	0.98	
		0.87	0.58		0.69	1.00		1.00	0.58	
826UYA	2.63	-1.90	0.21	3.37	-1.26	0.64	4.70	-1.47	0.17	
		-3.17	0.15		-1.95	0.25		-1.97	0.10	
7XP3B3	3.59	-1.33	0.70	4.82	-0.32	0.38	6.51	-0.12	0.04	
		-2.21	0.50		-0.49	0.15		-0.16	0.02	
YCB7FC	5.00	-0.48		4.00	-0.85		6.00	-0.50		
		-0.80	0.00		-1.31	0.00		-0.67	0.00	
64X4W7	7.80	1.20	3.64	5.84	0.34	1.60	7.60	0.70	1.03	
		2.00	2.60		0.53	0.63		0.93	0.61	
WHN7Y7	6.33	0.32	0.81	6.33	0.66	1.46	7.67	0.75	1.96	
		0.53	0.58		1.02	0.58		1.00	1.15	
RP2M6B	5.67	-0.08	0.81	6.33	0.66	1.46	7.67	0.75	1.96	
		-0.13	0.58		1.02	0.58		1.00	1.15	
4E3UZ3	7.04	0.74	0.54	5.31	0.00	0.56	9.32	1.99	1.77	
		1.24	0.39		0.00	0.22		2.66	1.04	
ZV7WC6	4.73	-0.64	0.16	4.60	-0.46	0.00	6.40	-0.20	0.00	
		-1.07	0.12		-0.71	0.00		-0.27	0.00	
73MLCZ	6.33	0.32	0.81	5.67	0.23	1.46	6.67	0.00	0.98	
		0.53	0.58		0.35	0.58		0.00	0.58	
WRRHVZ	6.80	0.60	0.01	4.94	-0.24	0.15	6.61	-0.04	0.03	
		1.00	0.01		-0.37	0.06		-0.05	0.02	
7EE8HV	5.50	-0.18	0.13	4.93	-0.25	0.18	6.39	-0.21	0.13	
		-0.30	0.09		-0.39	0.07		-0.27	0.08	
3P8J4X	5.47	-0.20	0.77	4.80	-0.33	0.88	6.13	-0.40	2.57	
		-0.33	0.55		-0.51	0.35		-0.53	1.52	
JKXUW9	5.09	-0.43	0.34	4.80	-0.33	0.11	6.35	-0.24	0.52	
		-0.71	0.24		-0.51	0.04		-0.32	0.31	



ALP Program - Participant Web Summary Report - Cycle 24

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
8B969K	5.79	0.00	0.21	5.62	0.20	0.24	7.26	0.45	0.13
		-0.01	0.15		0.30	0.09		0.60	0.08
6KMCVP	5.54	-0.16	0.37	3.85	-0.94	1.40	6.24	-0.32	0.47
		-0.26	0.26		-1.46	0.55		-0.43	0.28
R7669N	5.65	-0.09	0.26	4.80	-0.33	0.18	6.51	-0.12	0.06
		-0.15	0.18		-0.51	0.07		-0.16	0.04
Grand Median		5.80			5.31			6.67	
Median Abs Dev		0.53			0.53			0.67	
Avg Within Lab SD		0.71			0.39			0.59	
Labs Included		23			23			23	
Labs Reporting		23			23			23	



ALP Program - Participant Web Summary Report - Cycle 24

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

Mo (SubTestCode 224)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
MFBFHP	0.33	-1.32	0.42	0.35	0.00	0.43	0.19	-1.57	0.45	
		-0.12	0.02		0.00	0.03		-0.05	0.02	
YN7FYE	0.46	0.11	1.30	0.38	0.32	2.19	0.27	0.84	1.67	
		0.01	0.07		0.02	0.15		0.03	0.07	
8DFL3A	0.46	0.11	0.11	0.39	0.46	0.09	0.27	0.65	0.14	
		0.01	0.01		0.03	0.01		0.02	0.01	
YCB7FC	0.33	-1.24	1.12	0.20	-2.15	0.00	0.23	-0.31	1.41	
		-0.11	0.06		-0.15	0.00		-0.01	0.06	
ZV7WC6	0.55	1.14	0.39							
		0.10	0.02							
R7669N	0.44	-0.11	1.65	0.32	-0.45	0.07	0.24	0.00	0.09	
		-0.01	0.08		-0.03	0.00		0.00	0.00	
Grand Median		0.45		0.35			0.24			
Median Abs Dev		0.06		0.03			0.02			
Avg Within Lab SD		0.05		0.07			0.04			
Labs Included		6		5			5			
Labs Reporting		6		5			5			



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

P (SubTestCode 225)	in the Dry Ash Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
4TLEHA	0.29	-0.67	0.00	0.21	-0.63	0.02	0.09	-0.34	0.16	
		-0.03	0.00		-0.02	0.00		0.00	0.00	
2VXC28	0.37	0.90	0.29	0.25	0.63	0.38	0.12	2.04	1.73	
		0.05	0.01		0.02	0.01		0.02	0.01	
HPD69R	0.30	-0.57	0.17	0.21	-0.70	0.00	0.10	-0.16	1.00	
		-0.03	0.01		-0.02	0.00		0.00	0.01	
2U4NKX	0.35	0.57	1.97	0.25	0.74	1.96	0.10	0.16	0.00	
		0.03	0.07		0.02	0.05		0.00	0.00	
Grand Median		0.33			0.23			0.10		
Median Abs Dev		0.03			0.02			0.00		
Avg Within Lab SD		0.03			0.03			0.01		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

K (SubTestCode 226)	in the Dry Ash Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
4TLEHA	8.32	-0.18	0.03	1.83	0.32	0.08	0.93	-0.33	0.74	
		-0.14	0.01		0.08	0.01		-0.06	0.01	
2VXC28	9.41	1.20	0.03	2.07	1.36	0.06	1.20	1.16	0.29	
		0.95	0.01		0.32	0.01		0.20	0.01	
HPD69R	8.60	0.18	0.12	1.67	-0.32	0.12	1.05	0.33	1.33	
		0.14	0.05		-0.08	0.02		0.06	0.03	
2U4NKX	7.56	-1.15	2.00	1.59	-0.69	1.99	0.84	-0.88	1.26	
		-0.91	0.73		-0.16	0.34		-0.16	0.03	
Grand Median		8.46			1.75			0.99		
Median Abs Dev		0.52			0.12			0.11		
Avg Within Lab SD		0.37			0.17			0.02		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

Ca (SubTestCode 227)	in the Dry Ash Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
4TLEHA	1.53	-0.37	0.07	0.50	-0.08	0.13	1.80	-0.53	0.29	
		-0.09	0.01		0.00	0.01		-0.11	0.01	
2VXC28	1.35	-1.11	0.07	0.47	-0.63	0.16	1.72	-0.93	0.37	
		-0.27	0.01		-0.04	0.01		-0.19	0.02	
HPD69R	1.70	0.37	0.26	0.51	0.08	0.28	2.05	0.70	0.97	
		0.09	0.04		0.00	0.02		0.14	0.04	
2U4NKX	1.82	0.85	1.98	0.61	1.91	1.97	2.02	0.53	1.68	
		0.21	0.32		0.11	0.12		0.11	0.07	
Grand Median		1.61			0.51			1.91		
Median Abs Dev		0.15			0.02			0.13		
Avg Within Lab SD		0.16			0.06			0.04		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

Mg (SubTestCode 228)	in the Dry Ash Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
4TLEHA	0.80	-1.06	0.15	0.29	-0.11	0.15	0.26	-0.52	0.34	
		-0.09	0.01		0.00	0.01		-0.01	0.00	
2VXC28	0.93	0.49	0.11	0.29	0.11	0.34	0.32	1.78	1.39	
		0.04	0.01		0.00	0.01		0.05	0.01	
HPD69R	0.85	-0.49	0.13	0.27	-1.00	0.17	0.27	-0.20	0.00	
		-0.04	0.01		-0.02	0.01		-0.01	0.00	
2U4NKX	0.94	0.65	1.99	0.33	1.49	1.96	0.28	0.20	1.39	
		0.06	0.17		0.04	0.07		0.01	0.01	
Grand Median		0.89			0.29			0.28		
Median Abs Dev		0.05			0.01			0.01		
Avg Within Lab SD		0.09			0.03			0.01		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

Na (SubTestCode 229)	in the Dry Ash Property Groups									Data units: Percent
	SRB1404			SRB1405			SRB1406			
4TLEHA	0.112	0.017	0.209	0.019	0.312	0.610	0.170	0.038	0.319	
		0.001	0.006		0.005	0.007		0.001	0.003	
2VXC28	0.110	-0.017	0.000	0.010	-0.312	0.000	0.160	-0.207	0.000	
		-0.001	0.000		-0.005	0.000		-0.008	0.000	
HPD69R	0.103	-0.110	0.195	0.003	-0.808	0.126	0.167	-0.038	0.528	
		-0.008	0.006		-0.012	0.002		-0.001	0.006	
2U4NKX	0.293	2.554	1.979	0.033	1.266	1.901	0.263	2.415	1.903	
		0.182	0.059		0.019	0.023		0.095	0.021	
Grand Median		0.11			0.015			0.17		
Median Abs Dev		0.00			0.008			0.00		
Avg Within Lab SD		0.03			0.012			0.01		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

AI (SubTestCode 230)	in the Dry Ash Property Groups						Data units: mg/kg
	SRB1404		SRB1405		SRB1406		
73MLCZ	86.3	0.4	471.0	1.4	419.3	0.3	
		7.5		51.4		6.5	
2U4NKX	125.7	1.3	628.3	0.4	467.4	1.4	
		23.8		13.4		31.7	
Grand Median	106.0		549.6		443.4		
Median Abs Dev							
Avg Within Lab SD	17.6		37.6		22.9		
Labs Included	2		2		2		
Labs Reporting	2		2		2		



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

B (SubTestCode 231)	in the Dry Ash Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
MFBFHP	32.1	0.1	0.2	13.7	0.6	1.7	38.9	1.6	1.4	
		0.5	0.5		0.8	1.1		5.1	1.1	
4TLEHA	39.7	1.8	0.0	13.3	0.2	0.1	33.1	-0.2	0.1	
		8.1	0.0		0.3	0.1		-0.8	0.1	
2VXC28	31.0	-0.1	0.4	14.7	1.2	0.9	39.7	1.8	0.8	
		-0.5	1.0		1.7	0.6		5.8	0.6	
HPD69R	29.7	-0.4	0.2	12.3	-0.4	0.9	33.0	-0.3		
		-1.9	0.6		-0.6	0.6		-0.8	0.0	
73MLCZ	27.7	-0.9	0.2	11.0	-1.4		34.0	0.1	1.3	
		-3.9	0.6		-1.9	0.0		0.2	1.0	
2U4NKX	34.9	0.7	2.4	12.6	-0.2	1.2	33.7	-0.1	1.3	
		3.3	6.0		-0.3	0.8		-0.2	1.0	
Grand Median		31.5		12.9			33.8			
Median Abs Dev		2.6		0.7			0.8			
Avg Within Lab SD		2.5		0.7			0.8			
Labs Included		6		6			6			
Labs Reporting		6		6			6			



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

Zn (SubTestCode 232)	in the Dry Ash Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
4TLEHA	24.7	-1.8	0.0	20.5	-0.3	0.0	15.8	-1.1	0.2	
		-3.0	0.1		-0.6	0.1		-2.2	0.1	
2VXC28	27.7	0.0	0.4	18.3	-1.6	0.4	20.7	1.3	1.1	
		0.0	1.2		-2.7	0.6		2.7	0.6	
HPD69R	27.7	0.0	0.2	21.7	0.3	0.4	18.3	0.2	1.1	
		0.0	0.6		0.6	0.6		0.3	0.6	
2U4NKX	29.1	0.9	2.0	21.9	0.5	1.9	17.7	-0.2	1.2	
		1.5	5.8		0.8	3.2		-0.3	0.6	
Grand Median	27.7			21.1			18.0			
Median Abs Dev	0.7			0.7			1.3			
Avg Within Lab SD	3.0			1.6			0.5			
Labs Included	4			4			4			
Labs Reporting	4			4			4			



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

Mn (SubTestCode 233)	in the Dry Ash Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
4TLEHA	61.5	-0.5	0.1	43.4	-1.1	0.1	32.4	-0.4	0.3	
		-4.2	0.6		-2.7	0.6		-2.3	0.4	
2VXC28	77.3	1.4	0.2	46.0	-0.1	0.2	41.3	1.3	1.2	
		11.7	1.5		-0.2	1.0		6.6	1.5	
HPD69R	62.7	-0.4	0.2	46.3	0.1	0.1	37.0	0.4	1.5	
		-3.0	1.5		0.2	0.6		2.3	2.0	
2U4NKX	68.6	0.4	2.0	49.8	1.5	2.0	31.9	-0.5	0.4	
		3.0	12.9		3.6	10.5		-2.8	0.6	
Grand Median	65.7			46.2			34.7			
Median Abs Dev	3.6			1.5			2.5			
Avg Within Lab SD	6.5			5.3			1.3			
Labs Included	4			4			4			
Labs Reporting	4			4			4			



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

Fe (SubTestCode 234)	in the Dry Ash Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
4TLEHA	113.8	0.5	0.9	222.8	0.8	1.2	326.0	0.5	0.8	
		11.4	7.3		25.2	7.4		10.2	5.7	
2VXC28	86.7	-0.7	0.2	170.3	-0.8	0.3	288.7	-1.2	0.2	
		-15.7	1.5		-27.3	1.5		-27.2	1.5	
HPD69R	91.0	-0.5	0.6	179.3	-0.6	1.0	305.7	-0.5	1.7	
		-11.4	4.4		-18.3	5.8		-10.2	11.8	
2U4NKX	121.2	0.9	1.7	215.9	0.6	1.2	327.5	0.5	0.5	
		18.8	13.2		18.3	7.3		11.7	3.4	
Grand Median		102.4			197.6			315.8		
Median Abs Dev		13.6			21.7			10.9		
Avg Within Lab SD		7.9			6.0			6.8		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

Cu (SubTestCode 235)	in the Dry Ash Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
4TLEHA	4.85	-0.41	0.13	4.05	-1.10	0.33	5.75	-0.91	0.23	
		-0.70	0.13		-1.94	0.13		-1.73	0.15	
2VXC28	5.67	0.07	0.57	7.97	1.13	0.14	8.67	0.62	0.88	
		0.12	0.58		1.98	0.06		1.18	0.58	
HPD69R	5.43	-0.07	0.30	5.57	-0.24	0.62	6.37	-0.59	0.23	
		-0.12	0.31		-0.42	0.25		-1.12	0.15	
2U4NKX	9.27	2.15	1.89	6.40	0.24	1.87	8.60	0.59	1.76	
		3.72	1.91		0.42	0.75		1.12	1.15	
Grand Median		5.55			5.98			7.48		
Median Abs Dev		0.41			1.18			1.15		
Avg Within Lab SD		1.01			0.40			0.65		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

As (SubTestCode 237)	in the Heavy Metals Property Groups						Data units: mg/kg
	SRB1404		SRB1405		SRB1406		
MFBFHP	0.33	1.72 0.11	0.54	1.72 0.11	0.37	0.84 0.01	
R7669N	0.13	0.13 0.01	0.23	0.21 0.01	0.27	1.39 0.01	
BWHFH6	0.13	0.17 0.01	0.28	0.09 0.01	0.27	0.60 0.00	
Grand Median	0.13		0.28		0.27		
Median Abs Dev							
Avg Within Lab SD	0.06		0.06		0.01		
Labs Included	3		3		3		
Labs Reporting	3		3		3		



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

Ba (SubTestCode 238)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
ZV7WC6	62.35	-2.18	1.07	6.38	-0.50	0.95	7.22	0.42	0.62	
		-9.13	1.93		-0.15	0.14		0.17	0.08	
8B969K	71.60	0.03	0.71	6.22	-1.05	1.01	6.46	-1.50	1.24	
		0.12	1.28		-0.30	0.15		-0.60	0.16	
R7669N	71.37	-0.03	1.43	6.67	0.50	1.01	7.21	0.39	0.84	
		-0.12	2.57		0.15	0.15		0.16	0.11	
BWHFH6	73.40	0.46	0.56	6.71	0.64	1.03	6.90	-0.39	1.17	
		1.92	1.01		0.19	0.16		-0.16	0.15	
Grand Median		71.5			6.53			7.05		
Median Abs Dev		1.0			0.17			0.16		
Avg Within Lab SD		1.8			0.15			0.13		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

Cd (SubTestCode 239)	in the Heavy Metals Property Groups						Data units: mg/kg
	SRB1404		SRB1405		SRB1406		
MFBFHP	1.061	-0.949 0.164	0.050	1.411 0.016	0.028	1.410 0.006	
ZV7WC6	1.047	-1.163 0.990					
8B969K	1.190	-0.080 0.038					
R7669N	1.150	0.921 1.140	0.028	0.102 0.001	0.015	0.107 0.000	
BWHFH6	1.127	0.063 0.044					
		0.339 1.140					
		0.023 0.044					
		0.000 1.180					
		0.000 0.045					
Grand Median		1.13		0.039		0.021	
Median Abs Dev		0.06					
Avg Within Lab SD		0.04		0.012		0.004	
Labs Included		5		2		2	
Labs Reporting		5		2		2	



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

Co (SubTestCode 240)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
MFBFHP	0.293	-1.618	0.733	0.082	1.264	0.203	0.000	1.779		
		-0.037	0.011		0.006		0.000	0.022		
YCB7FC	0.367	1.622	1.403	0.133	1.179	0.263	2.396	1.242		
		0.037	0.021		0.006		0.060	0.015		
ZV7WC6	0.330	0.000	0.674			0.220	0.670	0.000		
		0.000	0.010				0.017	0.000		
R7669N	0.329	-0.044	0.936	0.054	0.118	0.200	-0.127	0.354		
		-0.001	0.014		0.001		-0.003	0.004		
BWHFH6	0.332	0.088	1.079			0.199	-0.180	0.409		
		0.002	0.016				-0.005	0.005		
Grand Median		0.33		0.082		0.20				
Median Abs Dev		0.00				0.00				
Avg Within Lab SD		0.01		0.005		0.01				
Labs Included		5		3		5				
Labs Reporting		5		3		5				



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

Ni (SubTestCode 241)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
MFBFHP	0.31	-1.69	0.24	0.08	-0.94	0.85	0.66	-1.45	1.10	
		-0.64	0.03		-0.20	0.02		-0.38	0.05	
ZV7WC6	1.29	0.89	0.80	0.62	1.66	1.50	1.36	1.17	1.33	
		0.34	0.09		0.35	0.04		0.31	0.06	
R7669N	0.93	-0.06	0.39	0.28	0.05	0.23	1.04	-0.04	0.35	
		-0.02	0.04		0.01	0.01		-0.01	0.02	
BWHFH6	0.97	0.06	1.78	0.26	-0.05	0.99	1.06	0.04	0.95	
		0.02	0.20		-0.01	0.03		0.01	0.04	
Grand Median		0.95			0.27			1.05		
Median Abs Dev		0.18			0.10			0.16		
Avg Within Lab SD		0.11			0.03			0.04		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



ALP Program - Participant Web Summary Report - Cycle 24

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

Pb (SubTestCode 242)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
MFBFHP	0.34	-0.32	1.29	0.43	0.00	0.58	0.56	0.25	2.19	
		-0.10	0.11		0.00	0.10		0.11	0.15	
ZV7WC6	1.19	2.47	1.63	1.26	2.45	1.95	1.57	2.52	0.29	
		0.75	0.13		0.83	0.33		1.12	0.02	
2U4NKX	0.30	-0.46		0.67	0.69	0.92	0.20	-0.57		
		-0.14	0.00		0.23	0.15		-0.25	0.00	
R7669N	0.48	0.12	0.37	0.38	-0.15	0.08	0.44	-0.03	0.17	
		0.04	0.03		-0.05	0.01		-0.01	0.01	
BWHFH6	0.44	0.00	0.73	0.41	-0.08	0.07	0.45	0.00	0.28	
		0.00	0.06		-0.03	0.01		0.00	0.02	
Grand Median		0.44		0.43			0.45			
Median Abs Dev		0.10		0.05			0.11			
Avg Within Lab SD		0.08		0.17			0.07			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



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

Sr (SubTestCode 243)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRB1404			SRB1405			SRB1406			
MFBFHP	78.24	0.25	0.00	5.36	1.35	0.00	303.03	1.08	0.85	
		1.96	0.00		1.09	0.00		29.53	3.03	
YCB7FC	66.07	-1.32	0.96	3.81	-0.57	0.84	231.43	-1.53	0.40	
		-10.22	1.46		-0.46	0.05		-42.07	1.42	
ZV7WC6	65.61	-1.38	0.69	4.12	-0.18	0.68	256.89	-0.60	0.58	
		-10.67	1.05		-0.15	0.04		-16.61	2.07	
8B969K	83.10	0.88	0.57	3.36	-1.13	2.13	296.10	0.82	1.44	
		6.82	0.87		-0.91	0.13		22.60	5.14	
R7669N	75.50	-0.10	1.59	4.42	0.18	0.10	273.67	0.01	1.26	
		-0.78	2.43		0.15	0.01		0.17	4.51	
BWHFH6	77.07	0.10	1.32	4.78	0.63	0.54	273.33	-0.01	1.06	
		0.78	2.01		0.51	0.03		-0.17	3.79	
Grand Median		76.3			4.27			273.5		
Median Abs Dev		4.4			0.48			19.6		
Avg Within Lab SD		1.5			0.06			3.6		
Labs Included		6			6			6		
Labs Reporting		6			6			6		



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



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

PH (SubTestCode 301)	Data units:								
	SRW1404			SRW1405			SRW1406		
MFBFHP	8.05	0.13	0.00	8.00	-0.03		7.82	-0.16	0.00
YN7FYE	8.07	0.03	0.00	8.17	-0.01	0.00	8.27	-0.03	0.00
ZZZVNF	7.84	0.21	2.29	7.99	0.95	1.84	7.89	2.03	1.47
64X4W7	8.15	0.04	0.06	8.10	0.16	0.06	8.00	0.16	2.05
HPD69R	7.76	-0.94	1.28	7.67	-0.09	2.21	7.97	0.03	0.08
WHN7Y7	8.10	-0.19	0.03	8.10	-0.02	0.07	7.80	0.72	0.92
73MLCZ	8.01	0.63	1.19	7.96	0.56	0.32	7.68	0.15	0.04
7EE8HV	7.50	0.13	0.03	7.62	0.10	0.01	7.91	-1.21	0.53
8B969K	8.04	-1.34	0.83	8.01	-1.98	0.37	7.75	-0.25	0.02
UG3PNL	7.95	-0.27	0.02	8.01	-0.34	0.01	7.85	0.56	1.47
Grand Median	8.03	0.08	0.00	8.01	0.10	0.00	7.85	0.11	0.06
Median Abs Dev	0.07	-0.06	0.46	0.07	-0.24	0.37	0.04	-0.25	0.15
Avg Within Lab SD	0.03	-0.01	0.01	0.03	-0.04	0.01	0.04	-0.05	0.01
Labs Included	10	-2.65	0.23	10	-2.26	0.32	10	-0.87	0.15
Labs Reporting	10	-0.53	0.01	10	-0.39	0.01	10	-0.18	0.01



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

EC (SubTestCode 302) Data units: dS/m									
	SRW1404			SRW1405			SRW1406		
MFBFHP	0.28	0.35	0.00	0.92	-0.12	0.14	0.64	-0.24	0.02
		0.01	0.00		-0.01	0.00		-0.02	0.00
YN7FYE	0.60	18.81	92.78	0.61	-4.64	27.44	0.64	-0.30	6.93
		0.32	0.30		-0.31	0.30		-0.02	0.32
ZZZVNF	0.28	-0.02	1.78	0.93	0.05	1.58	0.65	-0.14	0.22
		0.00	0.01		0.00	0.02		-0.01	0.01
64X4W7	0.27	-0.21	1.78	0.90	-0.39	1.82	0.78	1.86	2.98
		0.00	0.01		-0.03	0.02		0.12	0.14
HPD69R	0.30	1.34	0.00	0.93	0.00	1.05	0.72	0.91	0.13
		0.02	0.00		0.00	0.01		0.06	0.01
WHN7Y7	0.28	0.00	1.11	0.98	0.80	0.76	0.68	0.35	0.27
		0.00	0.00		0.05	0.01		0.02	0.01
73MLCZ	0.30	1.34	0.00	1.03	1.48	0.53	0.71	0.81	0.00
		0.02	0.00		0.10	0.01		0.05	0.00
7EE8HV	0.29	0.85	0.09	0.99	0.94	0.11	0.69	0.50	0.01
		0.01	0.00		0.06	0.00		0.03	0.00
8B969K	0.28	-0.02	0.71	0.94	0.20	0.61	0.66	0.00	0.08
		0.00	0.00		0.01	0.01		0.00	0.00
UG3PNL	0.24	-1.94	0.94	0.79	-2.09	0.90	0.58	-1.26	0.06
		-0.03	0.00		-0.14	0.01		-0.08	0.00
Grand Median		0.28		0.93			0.66		
Median Abs Dev		0.01		0.03			0.02		
Avg Within Lab SD		0.00		0.01			0.05		
Labs Included		9		9			9		
Labs Reporting		9		9			9		



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

Ca (SubTestCode 303)	in the Cations Property Groups									Data units: mmol/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	1.93	0.26	0.35	2.50	0.30	0.47	3.18	-0.06	1.36	
		0.06	0.04		0.10	0.03		-0.01	0.16	
YN7FYE	1.82	-0.19	0.77	2.40	0.00	2.02	3.17	-0.16	1.01	
		-0.05	0.08		0.00	0.13		-0.02	0.12	
ZZZVNF	1.86	0.00	2.10	2.40	0.00	1.76	2.96	-1.54	1.21	
		0.00	0.21		0.00	0.12		-0.23	0.14	
64X4W7	2.04	0.73	1.15	2.72	0.98	0.58	3.47	1.83	1.37	
		0.18	0.11		0.32	0.04		0.28	0.16	
HPD69R	1.73	-0.54	1.54	2.37	-0.10	0.88	3.20	0.06	0.00	
		-0.13	0.15		-0.03	0.06		0.01	0.00	
WHN7Y7	2.00	0.57	0.36	2.60	0.61	0.69	3.38	1.22	1.28	
		0.14	0.04		0.20	0.05		0.19	0.15	
73MLCZ	1.91	0.19	0.17	2.50	0.31	0.15	3.26	0.43	0.41	
		0.05	0.02		0.10	0.01		0.07	0.05	
7EE8HV	0.30	-6.47	0.03	0.39	-6.21	0.03	0.52	-17.52	0.03	
		-1.56	0.00		-2.01	0.00		-2.67	0.00	
8B969K	1.90	0.14	0.15	2.47	0.23	0.09	3.21	0.10	0.10	
		0.03	0.02		0.07	0.01		0.02	0.01	
UG3PNL	1.03	-3.45	0.04	1.25	-3.55	0.05				
		-0.83	0.00		-1.15	0.00				
Grand Median		1.86		2.40			3.19			
Median Abs Dev		0.06		0.10			0.05			
Avg Within Lab SD		0.10		0.07			0.11			
Labs Included		9		9			8			
Labs Reporting		9		9			8			



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

Mg (SubTestCode 304)	in the Cations Property Groups									Data units: mmol/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	0.46	-1.20	0.00	0.43	-0.15	0.00	2.42	0.00	0.70	
		-0.08	0.00		-0.01	0.00		0.00	0.07	
YN7FYE	0.56	0.29	0.99	0.44	0.07	1.74	2.33	-0.22	0.84	
		0.02	0.05		0.00	0.05		-0.09	0.08	
ZZZVNF	0.62	1.26	1.68	0.49	0.73	0.36	2.39	-0.09	1.69	
		0.08	0.08		0.05	0.01		-0.04	0.17	
64X4W7	0.62	1.26	0.63	0.49	0.68	1.18	2.86	1.05	1.11	
		0.08	0.03		0.05	0.03		0.43	0.11	
HPD69R	0.50	-0.58		0.47	0.39	2.10	2.63	0.51	0.58	
		-0.04	0.00		0.03	0.06		0.21	0.06	
WHN7Y7	0.56	0.38	1.95	0.49	0.71	0.13	2.70	0.67	1.84	
		0.02	0.09		0.05	0.00		0.28	0.18	
73MLCZ	0.55	0.21	0.00	0.44	0.00	0.00	2.59	0.40	0.12	
		0.01	0.00		0.00	0.00		0.16	0.01	
7EE8HV	0.36	-2.83	9.56	0.07	-5.35	0.01	0.43	-4.81	0.03	
		-0.18	0.46		-0.37	0.00		-1.99	0.00	
8B969K	0.52	-0.21	0.07	0.44	-0.05	0.06	2.61	0.45	0.00	
		-0.01	0.00		0.00	0.00		0.19	0.00	
UG3PNL				0.21	-3.31	0.03	1.31	-2.69	0.05	
					-0.23	0.00		-1.11	0.01	
Grand Median		0.54			0.44			2.42		
Median Abs Dev		0.03			0.03			0.19		
Avg Within Lab SD		0.05			0.03			0.10		
Labs Included		8			9			9		
Labs Reporting		8			9			9		



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

Na (SubTestCode 305)	in the Cations Property Groups									Data units: mmol/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	0.55	0.00	0.15	5.78	-0.24	0.05	1.35	0.97	0.10	
		0.00	0.01		-0.08	0.02		0.10	0.01	
YN7FYE	0.57	0.26	0.49	6.07	0.63	0.30	1.33	0.81	0.27	
		0.02	0.04		0.21	0.11		0.08	0.03	
ZZZVNF	0.65	1.55	2.83	6.26	1.20	2.53	1.31	0.54	2.76	
		0.11	0.25		0.40	0.93		0.05	0.26	
64X4W7	0.61	0.91	0.39	6.41	1.64	0.83	1.35	1.01	0.55	
		0.06	0.03		0.55	0.30		0.10	0.05	
HPD69R	0.57	0.28	0.65	5.83	-0.08	0.69	1.23	-0.20	0.62	
		0.02	0.06		-0.03	0.25		-0.02	0.06	
WHN7Y7	0.64	1.39	0.36	6.07	0.63	0.50	1.38	1.28	0.78	
		0.09	0.03		0.21	0.18		0.13	0.07	
73MLCZ	0.51	-0.61	0.06	5.56	-0.90	0.07	1.17	-0.88	0.06	
		-0.04	0.01		-0.30	0.03		-0.09	0.01	
7EE8HV	0.25	-4.45	0.01	3.16	-8.00	0.02	0.58	-6.85	0.11	
		-0.30	0.00		-2.70	0.01		-0.68	0.01	
8B969K	0.53	-0.21	0.10	5.89	0.08	0.28	1.25	0.00	0.06	
		-0.01	0.01		0.03	0.10		0.00	0.01	
UG3PNL	0.49	-0.87	0.01				1.22	-0.38	0.01	
		-0.06	0.00					-0.04	0.00	
Grand Median		0.55			5.86			1.25		
Median Abs Dev		0.04			0.21			0.08		
Avg Within Lab SD		0.09			0.37			0.09		
Labs Included		9			8			9		
Labs Reporting		9			8			9		



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

K (SubTestCode 306)	in the Cations Property Groups									Data units: mmolc/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	0.021	-0.940	0.000	0.058	-0.990	0.000	0.058	-0.904	0.000	
		-0.020	0.000		-0.022	0.000		-0.018	0.000	
YN7FYE	0.043	0.068	0.968	0.077	-0.151	0.000	0.077	0.068	0.000	
		0.001	0.014		-0.003	0.000		0.001	0.000	
ZZZVNF	0.100	2.734	1.774	0.123	1.895	2.523	0.117	2.097	2.174	
		0.059	0.026		0.043	0.021		0.041	0.025	
WHN7Y7	0.057	0.750	1.978	0.098	0.762	1.261	0.094	0.921	1.737	
		0.016	0.030		0.017	0.010		0.018	0.020	
73MLCZ	0.040	-0.056	0.000	0.080	-0.018	0.000	0.073	-0.119	0.499	
		-0.001	0.000		0.000	0.000		-0.002	0.006	
7EE8HV	0.032	-0.426	0.046	0.081	0.018	0.019	0.066	-0.518	0.043	
		-0.009	0.001		0.000	0.000		-0.010	0.000	
8B969K	0.033	-0.366	0.039	0.077	-0.136	0.185	0.074	-0.068	0.050	
		-0.008	0.001		-0.003	0.002		-0.001	0.001	
UG3PNL	0.042	0.056	0.007	0.113	1.425	0.093	0.089	0.700	0.010	
		0.001	0.000		0.032	0.001		0.014	0.000	
Grand Median		0.041			0.080			0.076		
Median Abs Dev		0.009			0.010			0.012		
Avg Within Lab SD		0.015			0.008			0.012		
Labs Included		8			8			8		
Labs Reporting		8			8			8		



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

NH4-N (SubTestCode 307)	in the Cations Property Groups						Data units: mmolc/L
	SRW1404		SRW1405		SRW1406		
YN7FYE	0.016	1.268	0.014	0.004			
		0.004		0.000			
WHN7Y7	0.004	0.627	0.003	1.000	0.001	1.000	
		0.002		0.003		0.000	
Grand Median	0.010		0.008		0.001		
Median Abs Dev							
Avg Within Lab SD	0.003		0.003		0.000		
Labs Included	2		2		1		
Labs Reporting	2		2		1		



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

Sum Cations (SubTestCode 308)	in the Cations Property Groups									Data units: mmolc/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	2.96	-0.38	0.46	8.76	-0.34	0.25	7.01	-0.14	0.37	
		-0.04	0.05		-0.12	0.05		-0.04	0.09	
YN7FYE	3.00	-0.03	0.88	9.00	0.34	1.59	6.91	-0.53	0.88	
		0.00	0.09		0.12	0.29		-0.14	0.21	
WHN7Y7	3.26	2.26	1.72	9.26	1.11	1.18	7.55	1.89	1.74	
		0.26	0.18		0.38	0.22		0.50	0.41	
73MLCZ	3.00	0.03	0.20	8.58	-0.90	0.08	7.09	0.14	0.27	
		0.00	0.02		-0.30	0.02		0.04	0.06	
Grand Median		3.00		8.88			7.05			
Median Abs Dev		0.02		0.21			0.09			
Avg Within Lab SD		0.10		0.18			0.24			
Labs Included		4		4			4			
Labs Reporting		4		4			4			



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

SAR (SubTestCode 309)	in the Cations Property Groups						Data units:
	SRW1404		SRW1405		SRW1406		
MFBFHP	0.50	0.26	4.78	0.11	0.81	0.31	
		0.01		0.02		0.01	
HPD69R	0.53	1.71	4.90	1.73	0.73	1.69	
		0.06		0.26		0.06	
7EE8HV	0.28	0.03	3.29	0.08	0.42	0.19	
		0.00		0.01		0.01	
Grand Median	0.50		4.78		0.73		
Median Abs Dev							
Avg Within Lab SD	0.03		0.15		0.03		
Labs Included	3		3		3		
Labs Reporting	3		3		3		



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

Adj-SAR (SubTestCode 310)	in the Cations Property Groups						Data units:
	SRW1404		SRW1405		SRW1406		
HPD69R	0.57	1.00 0.06	4.97	1.00 0.15	0.77	1.00 0.06	
Grand Median	0.57		4.97		0.77		
Median Abs Dev							
Avg Within Lab SD	0.06		0.15		0.06		
Labs Included	1		1		1		
Labs Reporting	1		1		1		



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

HCO3 (SubTestCode 311)	in the Anions Property Groups									Data units: mmolc/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	2.63	0.05	0.00	2.45	0.00	0.00	2.90	0.03	0.00	
		0.01	0.00		0.00	0.00		0.01	0.00	
YN7FYE	2.77	0.69	1.70	2.61	0.88	1.67	3.25	1.40	1.02	
		0.15	0.08		0.16	0.06		0.35	0.06	
ZZZVNF	2.67	0.22	0.48	2.44	-0.06	1.18	2.88	-0.04	0.00	
		0.05	0.02		-0.01	0.04		-0.01	0.00	
64X4W7	2.95	1.58	1.49	2.70	1.42	1.33	3.25	1.40	0.83	
		0.33	0.07		0.25	0.05		0.36	0.05	
HPD69R	2.40	-1.05	0.00	2.40	-0.28	0.00	2.80	-0.36	0.00	
		-0.22	0.00		-0.05	0.00		-0.09	0.00	
WHN7Y7	2.36	-1.24	0.36	2.16	-1.63	0.00	2.55	-1.33	0.63	
		-0.26	0.02		-0.29	0.00		-0.34	0.04	
73MLCZ	2.61	-0.05	1.56	2.53	0.45	1.02	3.09	0.80	2.38	
		-0.01	0.08		0.08	0.03		0.20	0.13	
UG3PNL	2.51	-0.51	0.32				2.88	-0.03	0.45	
		-0.11	0.02					-0.01	0.03	
Grand Median		2.62		2.45			2.89			
Median Abs Dev		0.13		0.08			0.15			
Avg Within Lab SD		0.05		0.03			0.06			
Labs Included		8		7			8			
Labs Reporting		8		7			8			



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

CO3 (SubTestCode 312)	in the Anions Property Groups						Data units: mmolc/L
	SRW1404		SRW1405		SRW1406		
MFBFHP			0.020		1.414		
					0.000		
YN7FYE	0.063		0.057		0.000		
		0.000					
Grand Median	0.063		0.039				
Median Abs Dev							
Avg Within Lab SD	0.000		0.000		0.00		
Labs Included	1		2		0		
Labs Reporting	1		2		0		



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

CI (SubTestCode 313)	in the Anions Property Groups									Data units: mmolc/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	0.17	0.33	0.00	3.24	0.05	0.00	0.34	0.86	0.00	
		0.02	0.00		0.01	0.00		0.06	0.00	
YN7FYE	0.11	-0.60	0.00	3.07	-0.62	1.35	0.27	-0.09	0.57	
		-0.04	0.00		-0.16	0.16		-0.01	0.02	
ZZZVNF	0.18	0.49	0.36	3.19	-0.14	0.97	0.28	0.06	0.41	
		0.03	0.01		-0.04	0.12		0.00	0.01	
64X4W7	0.22	1.15	0.71	3.62	1.49	0.26	0.26	-0.32	0.74	
		0.07	0.02		0.39	0.03		-0.02	0.02	
HPD69R	0.14	-0.22	2.67	3.23	0.01	0.81	0.32	0.53	2.16	
		-0.01	0.08		0.00	0.10		0.04	0.06	
WHN7Y7	0.16	0.22	0.44	3.98	2.89	2.33	0.46	2.55	1.49	
		0.01	0.01		0.75	0.28		0.18	0.04	
73MLCZ	0.06	-1.53	0.21	3.12	-0.42	0.26	0.21	-0.93	0.20	
		-0.09	0.01		-0.11	0.03		-0.07	0.01	
7EE8HV	2.05	31.14	0.94	14.66	43.79	0.42	3.12	40.15	2.20	
		1.90	0.03		11.43	0.05		2.85	0.06	
8B969K	0.10	-0.86	0.08	3.23	0.00	0.05	0.28	-0.06	0.11	
		-0.05	0.00		0.00	0.01		0.00	0.00	
UG3PNL				3.11	-0.44	0.17				
					-0.12	0.02				
Grand Median		0.15		3.23			0.28			
Median Abs Dev		0.03		0.11			0.03			
Avg Within Lab SD		0.03		0.12			0.03			
Labs Included		8		9			8			
Labs Reporting		8		9			8			



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

NO3 (SubTestCode 314) Data units: mmol/L									
	SRW1404			SRW1405			SRW1406		
MFBFHP	0.01	0.60	0.31	0.13	0.14	0.29	0.03	0.54	0.38
		0.00	0.00		0.01	0.00		0.01	0.00
YN7FYE	0.01	-0.42		0.13	0.21	1.75	0.01	-1.47	1.54
		0.00	0.00		0.01	0.01		-0.02	0.01
ZZZVNF	0.02	1.94	2.75	0.13	0.03	1.78	0.03	0.18	1.91
		0.01	0.01		0.00	0.02		0.00	0.01
64X4W7	0.04	5.57	0.00	1.99	52.32	3.56	0.30	24.22	1.10
		0.03	0.00		1.87	0.03		0.27	0.01
HPD69R	0.01	0.06	0.57	0.09	-1.00	1.17	0.03	-0.12	1.10
		0.00	0.00		-0.04	0.01		0.00	0.01
WHN7Y7	0.01	0.90	0.00	0.14	0.42	0.48	0.04	0.91	0.79
		0.00	0.00		0.01	0.00		0.01	0.00
73MLCZ	0.01	-0.12	0.16	0.12	-0.03	0.29	0.03	0.03	0.11
		0.00	0.00		0.00	0.00		0.00	0.00
7EE8HV	0.00	-1.29	0.00	0.00	-3.46	0.00	0.00	-2.11	0.01
		-0.01	0.00		-0.12	0.00		-0.02	0.00
8B969K	0.01	-0.06	0.00	0.12	-0.11	0.07	0.03	-0.03	0.11
		0.00	0.00		0.00	0.00		0.00	0.00
Grand Median		0.009			0.13			0.028	
Median Abs Dev		0.003			0.01			0.004	
Avg Within Lab SD		0.004			0.01			0.005	
Labs Included		8			8			8	
Labs Reporting		8			8			8	



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

SO4 (SubTestCode 315)	in the Anions Property Groups									Data units: mmolc/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	0.16	-0.17	0.00	2.99	-0.33	0.44	3.66	-0.10	0.08	
		-0.01	0.00		-0.06	0.04		-0.06	0.01	
YN7FYE	0.21	0.94	1.12	3.06	0.00	1.18	3.91	0.36	0.40	
		0.04	0.04		0.00	0.11		0.19	0.04	
ZZZVNF	0.25	1.90	2.27	3.19	0.67	0.52	3.81	0.17	0.42	
		0.08	0.07		0.13	0.05		0.09	0.04	
64X4W7	0.20	0.70	0.54	3.33	1.40	1.89	4.03	0.58	2.42	
		0.03	0.02		0.27	0.17		0.32	0.22	
HPD69R	0.15	-0.49	0.53	3.04	-0.09	0.11	3.66	-0.10	0.67	
		-0.02	0.02		-0.02	0.01		-0.05	0.06	
WHN7Y7	0.19	0.52	0.11	3.41	1.81	1.23	4.13	0.77	1.08	
		0.02	0.00		0.35	0.11		0.42	0.10	
73MLCZ	0.17	0.00	0.00	3.14	0.43	0.19	3.77	0.10	0.34	
		0.00	0.00		0.08	0.02		0.05	0.03	
7EE8HV	0.03	-3.52	0.01	0.60	-12.61	0.03	0.73	-5.52	0.09	
		-0.14	0.00		-2.46	0.00		-2.99	0.01	
UG3PNL							1.98	-3.21	0.25	
								-1.74	0.02	
Grand Median		0.17		3.06			3.72			
Median Abs Dev		0.02		0.08			0.14			
Avg Within Lab SD		0.03		0.09			0.09			
Labs Included		7		7			8			
Labs Reporting		7		7			8			



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

Sum Anions (SubTestCode 316)	in the Anions Property Groups									Data units: mmol/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	2.98	0.69	0.02	8.83	-0.16	0.23	6.93	-0.65	0.06	
		0.14	0.00		-0.05	0.04		-0.17	0.01	
YN7FYE	3.11	1.37	0.84	8.88	0.00	1.83	7.44	1.28	0.60	
		0.27	0.05		0.00	0.32		0.34	0.06	
HPD69R	2.70	-0.73	1.62	8.76	-0.40	0.60	6.81	-1.13	1.05	
		-0.14	0.09		-0.12	0.11		-0.30	0.11	
WHN7Y7	2.73	-0.57	0.31	9.69	2.70	1.04	7.19	0.31	1.58	
		-0.11	0.02		0.81	0.18		0.08	0.17	
73MLCZ	2.84	0.00	1.26	8.91	0.11	0.43	7.10	0.00	1.02	
		0.00	0.07		0.03	0.08		0.00	0.11	
Grand Median		2.84		8.88			7.10			
Median Abs Dev		0.14		0.05			0.17			
Avg Within Lab SD		0.06		0.18			0.10			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



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

Cation-Anion Difference (SubTestCode 317)	in the Difference Calculation Property Groups						Data units:
SRW1404	SRW1405		SRW1406				
MFBFHP	-0.020	0.403	-0.069	0.254	0.080	0.323	
		0.047		0.027		0.092	
WHN7Y7	0.536	1.627	-0.432	1.465	0.366	1.594	
		0.188		0.153		0.455	
73MLCZ	0.163	0.436	-0.333	0.889	-0.017	0.597	
		0.050		0.093		0.170	
Grand Median	0.16		-0.333		0.080		
Median Abs Dev							
Avg Within Lab SD	0.12		0.105		0.286		
Labs Included	3		3		3		
Labs Reporting	3		3		3		



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

Boron (SubTestCode 318)	in the Other Property Groups									Data units: mg/L
	SRW1404			SRW1405			SRW1406			
MFBFHP	0.02	0.00	0.01	0.48	0.60	0.10	0.03	-1.13	0.03	
		0.00	0.00		0.07	0.01		-0.06	0.00	
YN7FYE	0.26	2.74	2.23	0.19	-2.12	2.43	0.18	1.85	2.44	
		0.24	0.24		-0.23	0.23		0.09	0.21	
64X4W7	0.01	-0.03	0.05	0.42	0.02	0.22	0.09	0.05	0.14	
		0.00	0.01		0.00	0.02		0.00	0.01	
HPD69R	0.06	0.46	0.05	0.48	0.57	0.06	0.11	0.54	0.07	
		0.04	0.01		0.06	0.01		0.03	0.01	
WHN7Y7	0.00	-0.15	0.01	0.34	-0.71	0.09	0.06	-0.43	0.08	
		-0.01	0.00		-0.08	0.01		-0.02	0.01	
73MLCZ				0.41	-0.02	0.06	0.08	-0.05	0.07	
					0.00	0.01		0.00	0.01	
Grand Median		0.016		0.42			0.086			
Median Abs Dev		0.013		0.06			0.025			
Avg Within Lab SD		0.108		0.10			0.087			
Labs Included		5		6			6			
Labs Reporting		5		6			6			



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

PO4-P Phosphorus - Spec (SubTestCode 319)	in the Other Property Groups						Data units: mg/L
	SRW1404		SRW1405		SRW1406		
YN7FYE	0.080	1.414	0.080	1.000	0.090	1.414	
		0.042		0.036		0.036	
		0.000				0.023	
8B969K	0.015	0.000			0.031	0.001	
		0.000					
Grand Median	0.048		0.080		0.061		
Median Abs Dev							
Avg Within Lab SD	0.030		0.036		0.025		
Labs Included	2		1		2		
Labs Reporting	2		1		2		



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

Phosphorus - ICP (Total) (SubTestCode 320)	in the Other Property Groups						Data units: mg/L
	SRW1404			SRW1405		SRW1406	
MFBFHP	0.018	-1.038	0.039	0.017	0.169	0.040	0.371 0.146
		-0.008	0.001		0.002		0.003 0.003
WHN7Y7	0.027	0.000	1.961	0.025	1.724	0.047	1.075 2.214
		0.000	0.029		0.021		0.010 0.046
73MLCZ	0.027	0.000	0.392			0.037	-0.037 0.277
		0.000	0.006		0.000		0.000 0.006
7EE8HV	0.040	1.660	0.000	0.010	0.000	0.020	-1.890 0.000
		0.013	0.000		0.000		-0.017 0.000
8B969K						0.037	0.000 0.048
							0.000 0.001
Grand Median		0.027		0.017		0.037	
Median Abs Dev		0.004				0.003	
Avg Within Lab SD		0.015		0.012		0.021	
Labs Included		4		3		5	
Labs Reporting		4		3		5	