

ALP Program

Participant Web Summary Report

2015 Round #27



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 2015 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Summer 2015 (Cycle 27) was completed in August, 2015, with participation by 93 labs from the United States, Canada, Guatemala, South Africa, Italy and the Philippines. 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 program were: SRS1506 an Agawam fine sand loam collected from Tolland Cty, CT; SRS1507 a Blue Earth mucky silty clay loam collected from Martin Cty, MN; SRS1508 a Trix sandy clay loam collected from Pinal Cty, AZ; SRS1509 a Orthic Dark Brown Cherozem collected from Summerland, BC CANADA; and SRS1510 a Pacolet sandy loam collected from Anderson Cty, SC. Standard Reference Botanical (SRB) materials were: SRB1504 almond leaf composite from CA, SRB1505 grape leaf composite from CA and SRB1506 pistachio leaf composite from CA. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1504 well water in central OH, SRW1505 a drainage ditch in IA, and SRW1506 a stream in CO.

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

Special Topics:

Discussion of Statistics
in ALP Reports.

Quick Key to Analysis
Tables.

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

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Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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

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

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

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



Key to Data Tables

Laboratory Results

			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	
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
6LYFJD	36.2	-0.3	0.7	47.8	-0.1	0.6	37.6	0.1	0.0	29.4	-0.6	0.1	46.3	-0.9	0.2		
		-0.6	0.6		-1.2	0.7		0.4	0.0		-1.3	0.1		-3.1	0.3		
NLDBVL	37.5	0.3	0.8	55.4	0.8	0.4	35.7	-0.4	1.0	29.9	-0.3	1.1	45.4	-1.2	1.6		
		0.7	0.7		6.4	0.5		-1.5	0.8		-0.8	0.8		-4.0	1.9		
QRTWTH	37.3	0.2	0.7	49.0	0.0	0.8	38.0	0.2		30.7	0.0	0.8	49.3	0.0	0.5		
		0.6	0.6		0.0	1.0		0.8	0.0		0.0	0.6		0.0	0.6		
7ZD6W6	36.7	-0.1	0.2	42.6	-0.8	0.9	33.2	-1.0	2.6	28.3	-1.0	1.4	50.9	0.5	1.1		
		-0.1	0.2		-6.4	1.1		-4.0	2.1		-2.4	1.1		1.6	1.4		
49HZ39	33.3	-1.6	0.3	46.7	-0.3	0.4	30.3	-1.8	0.3	27.4	-1.4	0.2	40.2	-2.7	0.1		
		-3.5	0.2		-2.4	0.6		-7.0	0.3		-3.3	0.1		-9.1	0.1		
8BQPU8	42.0	2.3	1.4	66.5	2.1	1.2	44.3	1.8	1.1	33.6	1.3	1.4	49.4	0.0	1.0		
		5.2	1.2		17.5	1.5		7.1	0.9		2.9	1.0		0.0	1.2		
KXG7ZU	36.0	-0.3	2.1	44.7	-0.5	0.5	40.7	0.9	0.7	33.0	1.0	1.4	52.7	1.0	1.8		
		-0.8	1.7		-4.3	0.6		3.5	0.6		2.3	1.0		3.3	2.1		
ALN6UV	36.9	0.1	0.5	49.5	0.1	0.7	37.1	0.0	2.0	30.4	-0.1	1.1	49.3	0.0	2.1		
		0.1	0.4		0.5	0.9		-0.1	1.7		-0.3	0.8		-0.1	2.5		
9L8TGW	34.7	-0.9	0.7	48.7	0.0	0.5	32.7	-1.2	0.7	28.3	-1.0	0.8	48.0	-0.4			
		-2.1	0.6		-0.3	0.6		-4.5	0.6		-2.3	0.6		-1.3	0.0		
JFLDGG	36.7	-0.1	1.4	48.0	-0.1		36.0	-0.3		30.7	0.0	0.8	49.7	0.1	1.0		
		-0.1	1.2		-1.0	0.0		-1.2	0.0		0.0	0.6		0.3	1.2		
KF2UCA	36.3	-0.2	0.7	49.0	0.0	0.8	36.0	-0.3	1.2	32.0	0.6	2.4	49.3	0.0	1.9		
		-0.5	0.6		0.0	1.0		-1.2	1.0		1.3	1.7		0.0	2.3		
UC8H62	36.3	-0.2		44.5	-0.5		32.8	-1.1		28.4	-1.0		45.9	-1.0			
		-0.5	0.0		-4.5	0.0		-4.4	0.0		-2.3	0.0		-3.4	0.0		
U2QVVZ	37.3	0.2	0.7	44.7	-0.5	0.9	36.0	-0.3		31.3	0.3	0.8	49.7	0.1	1.0		
		0.6	0.6		-4.3	1.2		-1.2	0.0		0.7	0.6		0.3	1.2		
486TGQ	40.0	1.4	0.8	66.4	2.1	0.8	41.5	1.1	0.5	30.9	0.1	0.5	48.2	-0.3	0.3		
		3.2	0.7		17.4	1.0		4.3	0.4		0.2	0.3		-1.1	0.4		
DLVLGJ	36.9	0.1		50.0	0.1		37.3	0.0		31.1	0.2		49.5	0.0			
		0.1	0.0		1.0	0.0		0.1	0.0		0.4	0.0		0.2	0.0		
97UHQN	36.0	-0.3	0.6	67.3	2.2	0.3	38.0	0.2	0.4	31.3	0.3	0.4	51.7	0.7	0.4		
		-0.8	0.5		18.3	0.4		0.8	0.3		0.6	0.3		2.4	0.5		
NJAJ39	33.6	-1.4	0.7	38.9	-1.2	0.2	33.1	-1.1	0.0	27.4	-1.4	0.6	44.6	-1.4	0.3		
		-3.2	0.6		-10.1	0.3		-4.1	0.0		-3.3	0.5		-4.7	0.3		
ATNL8M	39.4	1.2	2.4	53.0	0.5	1.0	40.6	0.9	1.4	32.8	0.9	1.6	52.0	0.8	1.2		
		2.6	2.0		4.0	1.3		3.4	1.2		2.1	1.2		2.7	1.4		
NMBMTA	37.0	0.1	1.2	49.0	0.0	3.5	39.0	0.5	1.2	32.3	0.7	0.8	53.0	1.1			
		0.2	1.0		0.0	4.4		1.8	1.0		1.7	0.6		3.7	0.0		
FFW7K9	41.7	2.2		63.8	1.7		37.9	0.2		28.0	-1.2		44.3	-1.5			
		5.0	0.0		14.8	0.0		0.7	0.0		-2.7	0.0		-5.0	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		
Grand Median	36.8			49.0			37.2			30.7			49.3		
Median Abs Dev	0.6			4.2			1.7			1.5			2.0		
Avg Within Lab SD	0.8			1.3			0.8			0.7			1.2		
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		

pH - sp (SubTestCode 102)	in the Salinity Property Groups															Data units: Unit
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
NLDBVL	6.03	0.00	0.02	7.59	1.00	0.02	7.88	0.52	0.22	6.73	0.03	0.05	5.49	0.19	0.01	
		0.00	0.00		0.27	0.01		0.16	0.04		0.01	0.02		0.08	0.01	
QRTWTH	5.96	-0.23	0.06	7.40	0.33	0.04	7.75	0.11	0.11	6.59	-0.50	0.07	5.30	-0.26	0.02	
		-0.07	0.02		0.09	0.01		0.03	0.02		-0.13	0.02		-0.11	0.01	
7ZD6W6	5.88	-0.51	0.21	7.44	0.48	0.14	7.81	0.31	0.27	6.58	-0.54	0.14	5.30	-0.25	0.06	
		-0.15	0.06		0.13	0.04		0.10	0.05		-0.14	0.04		-0.11	0.02	
49HZ39	5.90	-0.44	0.06	7.31	0.00	0.05	7.75	0.10	0.03	6.64	-0.30	0.03	5.36	-0.12	0.03	
		-0.13	0.02		0.00	0.02		0.03	0.01		-0.08	0.01		-0.05	0.01	
8BQPU8	5.80	-0.77	0.00	7.33	0.07	0.19	7.77	0.16	0.31	6.53	-0.71	0.20	5.27	-0.33	0.17	
		-0.23	0.00		0.02	0.06		0.05	0.06		-0.18	0.06		-0.14	0.06	
KXG7ZU	5.97	-0.20	0.11	7.59	1.02	0.15	7.77	0.18	0.54	6.89	0.65	0.92	5.36	-0.11	0.06	
		-0.06	0.03		0.28	0.05		0.06	0.10		0.17	0.27		-0.05	0.02	
ALN6UV	5.97	-0.18	0.45	7.35	0.12	0.13	7.72	0.00	0.23	6.67	-0.19	0.31	5.40	-0.01	0.51	
		-0.05	0.12		0.03	0.04		0.00	0.04		-0.05	0.09		0.00	0.18	
9L8TGW	6.07	0.15	0.26	7.27	-0.15	0.18	7.56	-0.51	0.22	6.85	0.50	0.12	5.96	1.32	0.11	
		0.05	0.07		-0.04	0.06		-0.16	0.04		0.13	0.04		0.56	0.04	
JFLDGG	5.81	-0.72	0.43	7.07	-0.90	0.12	7.29	-1.36	0.80	6.28	-1.69	0.21	5.15	-0.60	0.36	
		-0.21	0.12		-0.24	0.04		-0.43	0.15		-0.44	0.06		-0.25	0.12	
KF2UCA	6.16	0.47	0.29	7.23	-0.31	0.21	7.62	-0.30	0.11	6.74	0.09	0.10	5.56	0.35	0.29	
		0.14	0.08		-0.08	0.06		-0.10	0.02		0.02	0.03		0.15	0.10	
UC8H62	6.90	2.98		7.40	0.32		7.70	-0.05		6.50	-0.83		5.00	-0.96		
		0.88	0.00		0.09	0.00		-0.02	0.00		-0.22	0.00		-0.41	0.00	
U2QVVZ	6.10	0.24	0.15	7.31	0.00	0.38	7.69	-0.08	0.68	6.74	0.09	0.79	5.28	-0.31	0.35	
		0.07	0.04		0.00	0.11		-0.03	0.12		0.02	0.23		-0.13	0.12	
486TGQ	6.15	0.43	0.23	7.69	1.39	0.03	7.90	0.57	0.08	6.80	0.31	0.14	5.58	0.41	0.05	
		0.13	0.06		0.38	0.01		0.18	0.02		0.08	0.04		0.17	0.02	
DLVLGJ	5.80	-0.77		7.29	-0.09		7.71	-0.02		6.51	-0.80		5.30	-0.25		
		-0.23	0.00		-0.02	0.00		-0.01	0.00		-0.21	0.00		-0.11	0.00	
97UHQN	6.19	0.55	0.06	7.27	-0.15	0.07	7.81	0.31	0.17	6.62	-0.36	0.05	6.19	1.86	0.02	
		0.16	0.02		-0.04	0.02		0.10	0.03		-0.09	0.02		0.79	0.01	
NJAJ39	6.08	0.19	0.16	7.44	0.47	0.00	7.88	0.53	0.32	6.81	0.35	0.36	5.57	0.38	0.16	
		0.06	0.04		0.13	0.00		0.17	0.06		0.09	0.11		0.16	0.06	
ATNL8M	6.09	0.23	0.18	7.56	0.92	0.17	8.01	0.95	0.08	6.72	0.00	0.10	5.41	0.00	0.06	
		0.07	0.05		0.25	0.05		0.30	0.02		0.00	0.03		0.00	0.02	
DRWZ3L	6.49	1.57	0.12	7.21	-0.39	0.05	7.45	-0.85	0.05	7.48	2.95	0.07	7.03	3.85	0.06	
		0.46	0.03		-0.11	0.02		-0.27	0.01		0.77	0.02		1.63	0.02	
NMBMTA	6.24	0.73	0.24	7.27	-0.16	0.39	7.66	-0.17	0.77	7.02	1.18	0.36	5.80	0.93	0.44	
		0.22	0.07		-0.04	0.12		-0.05	0.14		0.31	0.11		0.39	0.15	
FFW7K9	5.83	-0.66		6.05	-4.65		6.00	-5.47		6.33	-1.49		5.82	0.98		
		-0.20	0.00		-1.26	0.00		-1.72	0.00		-0.39	0.00		0.41	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		
JQ9CA8	5.40	-2.14	4.49	6.97	-1.26	4.53	7.21	-1.61	4.30	6.87	0.60	4.36	5.71	0.71	4.49
		-0.63	1.21		-0.34	1.35		-0.51	0.79		0.16	1.28		0.30	1.54
Grand Median		6.03			7.31			7.72			6.72			5.41	
Median Abs Dev		0.14			0.09			0.10			0.13			0.15	
Avg Within Lab SD		0.27			0.30			0.18			0.29			0.34	
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		

ECe - sp (SubTestCode 103)	in the Salinity Property Groups														Data units: dS/m	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	0.90	0.15	0.27	2.07	0.03	1.16	3.88	-0.94	2.00	0.50	0.43	0.00	0.82	0.21	0.57	
		0.03	0.03		0.01	0.09		-0.72	0.57		0.07	0.00		0.02	0.02	
NLDBVL	0.77	-0.63	0.00	1.96	-0.36	0.34	4.34	-0.35	0.47	0.41	-0.17	0.00	0.77	-0.23	1.18	
		-0.10	0.00		-0.10	0.03		-0.27	0.14		-0.03	0.00		-0.02	0.04	
QRTWTH	0.95	0.45	0.11	2.18	0.45	1.58	4.97	0.48	0.29	0.47	0.25	0.11	0.90	0.95	1.36	
		0.08	0.01		0.13	0.12		0.37	0.08		0.04	0.03		0.10	0.05	
7ZD6W6	0.98	0.59	0.11	2.38	1.17	0.67	5.10	0.66	1.62	0.37	-0.39	0.04	0.80	0.06	0.92	
		0.10	0.01		0.33	0.05		0.50	0.46		-0.06	0.01		0.01	0.03	
49HZ39	0.75	-0.75	0.06	1.80	-0.91	0.21	3.52	-1.41	0.09	0.50	0.39	0.02	0.64	-1.45	0.40	
		-0.13	0.01		-0.25	0.02		-1.08	0.03		0.06	0.01		-0.16	0.02	
8BQPU8	0.73	-0.91	0.11	1.60	-1.64	0.27	3.64	-1.26	0.35	0.42	-0.10	0.06	0.63	-1.51	0.00	
		-0.15	0.01		-0.46	0.02		-0.96	0.10		-0.02	0.02		-0.16	0.00	
KXG7ZU	0.94	0.40	0.23	2.14	0.28	0.65	4.22	-0.49	0.13	0.33	-0.65	0.03	0.79	0.01	0.61	
		0.07	0.02		0.08	0.05		-0.38	0.04		-0.11	0.01		0.00	0.02	
ALN6UV	0.89	0.07	0.17	1.94	-0.43	0.91	4.22	-0.50	2.16	0.37	-0.39	0.12	0.72	-0.65	1.95	
		0.01	0.02		-0.12	0.07		-0.38	0.62		-0.06	0.03		-0.07	0.07	
9L8TGW	0.90	0.15	0.24	2.01	-0.16	1.61	5.04	0.57	0.42	0.55	0.70	0.02	0.75	-0.37	0.67	
		0.03	0.03		-0.04	0.12		0.44	0.12		0.11	0.01		-0.04	0.03	
JFLDGG	0.95	0.41	0.24	2.12	0.23	0.14	4.83	0.30	0.21	0.37	-0.37	0.06	0.83	0.36	0.40	
		0.07	0.03		0.06	0.01		0.23	0.06		-0.06	0.02		0.04	0.02	
KF2UCA	0.73	-0.92	3.60	2.06	0.00	0.55	4.73	0.17	0.33	0.33	-0.66	0.07	0.79	-0.03	1.63	
		-0.15	0.37		0.00	0.04		0.13	0.09		-0.11	0.02		0.00	0.06	
UC8H62	1.10	1.34		2.40	1.23		5.20	0.78		0.60	1.03		1.00	1.90		
		0.22	0.00		0.34	0.00		0.60	0.00		0.17	0.00		0.21	0.00	
U2QVVZ	0.86	-0.09	0.23	2.15	0.34	1.97	4.67	0.09	0.33	0.35	-0.52	0.15	0.79	-0.03	0.72	
		-0.01	0.02		0.10	0.14		0.07	0.09		-0.09	0.04		0.00	0.03	
486TGQ	0.96	0.47	0.24	2.26	0.72	1.83	5.23	0.82	0.29	0.65	1.33	0.24	0.94	1.38	0.40	
		0.08	0.03		0.20	0.13		0.63	0.08		0.22	0.06		0.15	0.02	
DLVLGJ	0.95	0.43		2.19	0.48		5.23	0.82		0.38	-0.33		0.89	0.88		
		0.07	0.00		0.13	0.00		0.63	0.00		-0.05	0.00		0.10	0.00	
97UHQN	0.68	-1.19	0.08	1.98	-0.26	0.28	3.81	-1.03	0.15	0.52	0.55	0.02	0.79	-0.01	0.12	
		-0.20	0.01		-0.07	0.02		-0.79	0.04		0.09	0.00		0.00	0.00	
NJAJ39	0.77	-0.66	0.20	1.72	-1.20	1.16	3.45	-1.51	0.57	0.27	-0.99	0.06	0.71	-0.77	0.41	
		-0.11	0.02		-0.33	0.09		-1.15	0.16		-0.16	0.02		-0.08	0.02	
ATNL8M	0.82	-0.36	0.07	1.87	-0.66	0.52	4.60	0.00	0.94	0.47	0.22	0.10	0.79	-0.07	0.48	
		-0.06	0.01		-0.18	0.04		0.00	0.27		0.04	0.03		-0.01	0.02	
DRWZ3L	0.40	-2.88	0.10	1.50	-1.98	0.64	5.66	1.39	0.05	0.54	0.64	0.01	0.88	0.80	0.25	
		-0.48	0.01		-0.55	0.05		1.06	0.01		0.10	0.00		0.09	0.01	
NMBMTA	0.76	-0.69	0.15	1.69	-1.30	0.57	4.47	-0.17	0.26	0.35	-0.51	0.17	0.70	-0.90	0.40	
		-0.12	0.02		-0.36	0.04		-0.13	0.07		-0.08	0.04		-0.10	0.02	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
FFW7K9	1.08	1.22								0.45	0.10		0.97	1.62	
		0.20	0.00								0.02	0.00		0.18	0.00
JQ9CA8	0.87	-0.07	2.92	2.15	0.33	1.64	4.27	-0.43	2.72	1.10	4.12	4.67	0.87	0.67	2.95
		-0.01	0.30		0.09	0.12		-0.33	0.78		0.67	1.21		0.07	0.11
Grand Median		0.88			2.06			4.60			0.43			0.79	
Median Abs Dev		0.09			0.13			0.44			0.08			0.07	
Avg Within Lab SD		0.10			0.07			0.29			0.26			0.04	
Labs Included		22			21			21			22			22	
Labs Reporting		22			21			21			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		

HCO3 -sp (SubTestCode 104)	in the Salinity Property Groups												Data units: mmol/L		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	0.41	0.15	1.25	4.65	0.67	1.08	2.16	0.77	0.00	4.10	1.09	1.82	0.24	0.00	0.11
		0.13	0.05		2.38	0.55		0.76	0.00		2.33	0.95		0.00	0.01
NLDBVL	0.34	0.06	0.00	2.94	0.19	0.26	1.34	-0.06	1.24	2.35	0.27	0.00	0.96	1.90	1.04
		0.06	0.00		0.67	0.13		-0.06	0.34		0.58	0.00		0.72	0.06
QRTWTH	0.14	-0.15	0.26	1.20	-0.30	0.10	0.92	-0.49	0.09	1.19	-0.27	0.64			
		-0.14	0.01		-1.07	0.05		-0.48	0.03		-0.58	0.34			
7ZD6W6	0.21	-0.08	1.32	1.47	-0.22	0.38	1.42	0.02	0.56	1.18	-0.28	0.26	0.21	-0.08	0.25
		-0.07	0.05		-0.80	0.19		0.02	0.15		-0.59	0.14		-0.03	0.02
49HZ39	1.66	1.55	0.15	3.92	0.46	0.06	2.34	0.95	0.02	3.75	0.93		0.87	1.65	0.48
		1.38	0.01		1.65	0.03		0.94	0.01		1.98	0.00		0.62	0.03
8BQPU8	0.04	-0.27	0.00	0.24	-0.57	0.02	0.15	-1.27	0.09	0.19	-0.74	0.11	0.06	-0.48	0.33
		-0.24	0.00		-2.03	0.01		-1.26	0.03		-1.58	0.06		-0.18	0.02
DRWZ3L	3.02	3.07	2.01	12.24	2.79	0.51	3.20	1.82	0.37	5.04	1.54	0.11	0.21	-0.09	0.17
		2.74	0.08		9.97	0.26		1.80	0.10		3.27	0.06		-0.03	0.01
JQ9CA8	0.22	-0.06	0.74	1.60	-0.19	2.52	1.39	-0.02	2.45	1.19	-0.27	2.05	0.44	0.52	2.34
		-0.06	0.03		-0.67	1.28		-0.02	0.66		-0.58	1.07		0.20	0.14
Grand Median		0.28			2.27			1.40			1.77			0.24	
Median Abs Dev		0.13			1.36			0.62			1.08			0.18	
Avg Within Lab SD		0.04			0.51			0.27			0.52			0.06	
Labs Included		8			8			8			8			7	
Labs Reporting		8			8			8			8			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
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	3.8	0.0	0.0	15.8	0.0	0.0	17.4	0.0	0.3	2.5	0.1	0.1	3.6	0.0	0.0	
		0.2	0.0		0.2	0.2		1.2	1.1		0.2	0.1		0.2	0.0	
NLDBVL	2.9	-0.2	0.0	12.9	-0.1	0.2	15.4	0.0	0.1	1.9	-0.1	0.0	3.1	-0.1	0.1	
		-0.7	0.1		-2.7	0.7		-0.9	0.6		-0.3	0.0		-0.3	0.1	
QRTWTH	3.8	0.0	0.0	15.6	0.0	0.0	16.2	0.0	0.2	1.4	-0.3	0.0	3.5	0.0	0.2	
		0.2	0.0		0.0	0.1		0.0	0.7		-0.8	0.0		0.1	0.1	
7ZD6W6	4.0	0.1	0.0	16.5	0.0	0.3	18.0	0.1	0.6	2.9	0.3	0.5	3.5	0.0	0.2	
		0.4	0.2		1.0	0.9		1.8	2.5		0.7	0.5		0.0	0.1	
49HZ39	3.7	0.0	0.0	15.7	0.0	0.0	14.9	-0.1	0.0	2.5	0.1		3.3	0.0	0.0	
		0.1	0.0		0.2	0.0		-1.3	0.0		0.3	0.0		-0.2	0.0	
8BQPU8	2.8	-0.2	0.0	11.4	-0.2	0.2	12.3	-0.2	0.1	1.9	-0.1	0.1	2.5	-0.2	0.0	
		-0.8	0.2		-4.2	0.5		-4.0	0.4		-0.4	0.1		-1.0	0.0	
KXG7ZU	3.4	-0.1	0.0	14.7	0.0	0.1	13.8	-0.1	0.1	1.2	-0.4	0.1	2.9	-0.1	0.2	
		-0.2	0.1		-0.8	0.3		-2.5	0.3		-1.0	0.1		-0.6	0.1	
ALN6UV	4.0	0.1	0.1	14.6	0.0	0.0	16.0	0.0	0.3	2.1	0.0	0.2	3.4	0.0	0.7	
		0.4	0.3		-1.0	0.1		-0.3	1.3		-0.1	0.2		-0.1	0.5	
9L8TGW	4.0	0.1	0.0	15.5	0.0	0.1	18.8	0.1	0.1	3.0	0.3	0.3	3.3	0.0	0.1	
		0.4	0.2		0.0	0.5		2.6	0.5		0.8	0.3		-0.1	0.1	
JR33FL	3.6	0.0	0.0	16.7	0.1		17.0	0.0		1.6	-0.2		4.0	0.1		
		0.0	0.0		1.2	0.0		0.8	0.0		-0.7	0.0		0.5	0.0	
JFLDGG	3.6	0.0	0.1	14.9	0.0	0.1	16.0	0.0	0.0	1.6	-0.2	0.1	3.4	0.0	0.1	
		0.0	0.2		-0.7	0.3		-0.2	0.1		-0.7	0.1		0.0	0.1	
KF2UCA	62.0	12.4	4.6	299.0	12.3	4.4	332.7	12.6	4.5	29.0	9.9	2.0	68.3	13.0	4.4	
		58.4	20.9		283.4	15.5		316.4	19.2		26.8	2.0		64.9	3.1	
U2QVVZ	3.4	0.0	0.0	16.5	0.0	0.3	17.3	0.0	0.1	1.4	-0.3	0.1	3.3	0.0	0.2	
		-0.2	0.1		0.9	1.0		1.1	0.4		-0.8	0.1		-0.1	0.1	
486TGQ	3.3	-0.1	0.0	16.0	0.0	0.2	18.7	0.1	0.1	2.6	0.1	0.2	3.6	0.0	0.3	
		-0.2	0.1		0.5	0.8		2.5	0.3		0.4	0.2		0.2	0.2	
DLVLGJ	3.6	0.0		14.7	0.0		18.5	0.1		1.6	-0.2		3.7	0.0		
		0.0	0.0		-0.8	0.0		2.2	0.0		-0.7	0.0		0.2	0.0	
97UHQN	2.5	-0.2	0.0	14.4	-0.1	0.0	13.3	-0.1	0.0	2.5	0.1	0.0	3.3	0.0	0.0	
		-1.1	0.0		-1.2	0.2		-3.0	0.1		0.3	0.0		-0.2	0.0	
NJAJ39	3.0	-0.1	0.0	12.5	-0.1	0.2	12.6	-0.1	0.1	1.2	-0.4	0.1	3.1	-0.1	0.2	
		-0.6	0.1		-3.1	0.6		-3.6	0.6		-1.1	0.1		-0.4	0.1	
ATNL8M	3.1	-0.1	0.0	13.5	-0.1	0.2	15.3	0.0	0.1	2.2	0.0	0.1	3.3	0.0	0.2	
		-0.5	0.2		-2.0	0.6		-0.9	0.4		0.0	0.1		-0.1	0.1	
DRWZ3L	2.6	-0.2	0.0	17.9	0.1	0.1	12.3	-0.2	0.1	3.0	0.3	0.0	3.9	0.1	0.1	
		-1.0	0.1		2.3	0.3		-3.9	0.2		0.8	0.0		0.4	0.0	
FFW7K9	4.5	0.2					18.8	0.1		2.4	0.0		4.3	0.2		
		0.9	0.0					2.5	0.0		0.1	0.0		0.9	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		
JQ9CA8	3.7	0.0 0.1	0.5 2.2	19.2	0.2 3.7	0.4 1.3	19.1	0.1 2.8	0.5 2.4	3.9	0.6 1.7	4.1 4.0	4.0	0.1 0.6	0.8 0.6
Grand Median		3.59			15.6			16.2			2.24			3.44	
Median Abs Dev		0.40			1.0			2.2			0.67			0.18	
Avg Within Lab SD		4.58			3.5			4.3			1.00			0.69	
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		

Mg - sp (SubTestCode 106)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	4.11	0.60	0.24	3.64	0.08	0.46	3.31	0.01	0.92	1.10	0.31	0.08	2.19	0.65	0.08	
		0.46	0.04		0.04	0.07		0.01	0.19		0.11	0.01		0.18	0.01	
NLDBVL	3.04	-0.80	0.61	3.17	-0.77	1.29	3.59	0.43	0.00	0.89	-0.26	0.16	1.84	-0.62	0.03	
		-0.61	0.10		-0.43	0.19		0.29	0.00		-0.10	0.03		-0.17	0.00	
QRTWTH	3.66	0.01	0.62	3.40	-0.35	0.14	3.05	-0.36	0.40	0.81	-0.47	0.12	2.00	-0.03	0.52	
		0.01	0.10		-0.20	0.02		-0.24	0.08		-0.17	0.02		-0.01	0.07	
7ZD6W6	4.16	0.67	1.84	4.29	1.26	1.60	3.85	0.81	2.97	1.43	1.22	0.80	1.98	-0.10	0.23	
		0.51	0.31		0.70	0.23		0.55	0.62		0.45	0.15		-0.03	0.03	
49HZ39	3.84	0.24	0.07	3.59	0.00	0.08	2.94	-0.53	0.08	1.16	0.47	0.06	2.02	0.03	0.22	
		0.18	0.01		0.00	0.01		-0.36	0.02		0.17	0.01		0.01	0.03	
8BQPU8	2.67	-1.29	1.17	2.57	-1.85	0.74	2.43	-1.28	0.46	0.82	-0.44	0.64	1.39	-2.19	0.13	
		-0.98	0.20		-1.02	0.11		-0.87	0.10		-0.16	0.12		-0.62	0.02	
KXG7ZU	3.53	-0.17	0.71	3.32	-0.49	0.45	2.62	-1.01	0.31	0.50	-1.31	0.16	1.75	-0.93	0.65	
		-0.13	0.12		-0.27	0.07		-0.68	0.06		-0.48	0.03		-0.26	0.09	
ALN6UV	4.21	0.73	0.93	4.02	0.77	0.08	3.82	0.76	0.51	1.12	0.37	0.27	2.05	0.16	1.41	
		0.55	0.16		0.42	0.01		0.52	0.11		0.14	0.05		0.04	0.19	
9L8TGW	4.03	0.50	1.50	3.77	0.31	1.43	4.07	1.13	1.55	1.30	0.86	0.54	1.93	-0.27	0.44	
		0.38	0.25		0.17	0.21		0.77	0.32		0.32	0.10		-0.08	0.06	
JR33FL	4.03	0.50		4.50	1.64		3.74	0.65		0.75	-0.64		2.47	1.63		
		0.38	0.00		0.91	0.00		0.44	0.00		-0.23	0.00		0.46	0.00	
JFLDGG	3.64	-0.01	1.39	3.45	-0.25	0.31	3.23	-0.10	0.13	0.66	-0.87	0.13	2.00	-0.01	0.46	
		-0.01	0.23		-0.14	0.05		-0.07	0.03		-0.32	0.02		0.00	0.06	
KF2UCA	40.00	47.99	77.62	43.67	72.50	10.47	40.33	54.61	5.57	7.00	16.42		24.67	80.10	17.63	
		36.35	13.00		40.07	1.53		37.03	1.15		6.02	0.00		22.66	2.31	
U2QVVZ	3.51	-0.19	0.33	3.63	0.07	0.98	3.21	-0.14	0.07	0.57	-1.12	0.11	1.93	-0.29	0.31	
		-0.15	0.06		0.04	0.14		-0.09	0.02		-0.41	0.02		-0.08	0.04	
486TGQ	3.52	-0.17	0.86	3.38	-0.39	1.19	3.50	0.30	0.21	1.31	0.88	0.32	2.22	0.73	0.84	
		-0.13	0.14		-0.21	0.17		0.20	0.04		0.32	0.06		0.21	0.11	
DLVLGJ	4.17	0.69		3.76	0.30		3.87	0.84		0.79	-0.53		2.37	1.28		
		0.52	0.00		0.17	0.00		0.57	0.00		-0.19	0.00		0.36	0.00	
97UHQN	2.73	-1.22	0.24	3.37	-0.41	0.22	2.87	-0.63	0.10	1.10	0.31	0.06	1.91	-0.35	0.08	
		-0.93	0.04		-0.23	0.03		-0.43	0.02		0.11	0.01		-0.10	0.01	
NJAJ39	3.19	-0.61	0.66	2.86	-1.32	0.86	2.47	-1.23	0.58	0.49	-1.35	0.31	1.84	-0.58	0.50	
		-0.46	0.11		-0.73	0.13		-0.83	0.12		-0.50	0.06		-0.16	0.06	
ATNL8M	3.32	-0.43	1.27	3.38	-0.38	0.22	3.29	-0.01	0.58	1.00	0.04	0.34	2.01	0.01	0.44	
		-0.33	0.21		-0.21	0.03		-0.01	0.12		0.01	0.06		0.00	0.06	
DRWZ3L	2.50	-1.53	0.28	3.90	0.55	0.07	2.55	-1.10	0.48	1.43	1.22	0.05	2.03	0.06	0.16	
		-1.16	0.05		0.31	0.01		-0.75	0.10		0.45	0.01		0.02	0.02	
FFW7K9	5.01	1.79					4.32	1.51		0.97	-0.04		2.69	2.41		
		1.36	0.00					1.02	0.00		-0.01	0.00		0.68	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		
JQ9CA8	4.65	1.31	2.41	4.48	1.60	2.91	3.74	0.66	2.49	1.27	0.78	4.26	2.34	1.16	3.94
		0.99	0.40		0.88	0.42		0.44	0.52		0.29	0.79		0.33	0.52
Grand Median		3.65			3.59			3.30			0.98			2.01	
Median Abs Dev		0.46			0.23			0.44			0.21			0.13	
Avg Within Lab SD		0.17			0.15			0.21			0.19			0.13	
Labs Included		20			19			20			20			20	
Labs Reporting		20			19			20			20			20	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	0.31	-0.22	0.07	1.62	0.33	0.29	30.91	0.50	0.61	0.77	0.22	0.05	0.46	0.30	0.11
		-0.02	0.01		0.08	0.03		2.55	1.11		0.12	0.08		0.03	0.01
NLDBVL	0.26	-0.67	0.24	1.26	-1.12	1.52	24.27	-0.80	0.35	0.62	-0.07	0.02	0.41	-0.10	0.03
		-0.07	0.02		-0.28	0.14		-4.09	0.65		-0.04	0.04		-0.01	0.00
QRTWTH	0.38	0.54	0.14	1.54	0.00	0.53	29.09	0.14	0.11	1.50	1.58	0.02	0.43	0.02	0.13
		0.05	0.01		0.00	0.05		0.73	0.21		0.85	0.04		0.00	0.02
7ZD6W6	0.17	-1.63	0.35	1.21	-1.31	1.12	29.93	0.31	2.79	0.84	0.36	0.20	0.24	-1.61	0.16
		-0.16	0.03		-0.33	0.10		1.57	5.11		0.19	0.34		-0.18	0.02
49HZ39	0.61	2.83	0.08	1.61	0.26	0.06	23.42	-0.96	0.02	0.87	0.41	0.01	0.40	-0.23	0.05
		0.28	0.01		0.07	0.01		-4.94	0.03		0.22	0.02		-0.03	0.01
8BQPU8	0.48	1.57	1.09	1.22	-1.27	0.52	20.57	-1.52	0.35	0.59	-0.12	0.05	0.40	-0.21	0.35
		0.15	0.08		-0.32	0.05		-7.79	0.64		-0.07	0.09		-0.02	0.04
KXG7ZU	0.28	-0.47	0.20	1.54	0.01	0.33	25.24	-0.61	0.29	0.56	-0.17	0.01	0.42	0.00	0.05
		-0.05	0.02		0.00	0.03		-3.12	0.53		-0.09	0.01		0.00	0.01
ALN6UV	0.40	0.72	0.27	1.57	0.13	0.44	27.90	-0.09	1.47	0.75	0.18	0.04	0.48	0.53	0.05
		0.07	0.02		0.03	0.04		-0.46	2.70		0.10	0.06		0.06	0.01
9L8TGW	0.33	0.04	0.77	1.57	0.10	0.63	31.40	0.59	1.02	0.83	0.34	0.03	0.43	0.09	0.46
		0.00	0.06		0.03	0.06		3.04	1.87		0.18	0.06		0.01	0.06
JR33FL	0.36	0.31		1.90	1.44		28.82	0.09		0.71	0.11		0.62	1.73	
		0.03	0.00		0.36	0.00		0.46	0.00		0.06	0.00		0.20	0.00
JFLDGG	0.34	0.08	0.76	1.47	-0.30	1.09	26.59	-0.34	0.17	0.58	-0.14	0.02	0.39	-0.33	0.03
		0.01	0.06		-0.08	0.10		-1.77	0.31		-0.08	0.03		-0.04	0.00
KF2UCA	4.67	44.32	20.38	32.33	123.35	16.69	638.00	118.88	8.05	10.33	18.08	0.34	8.00	66.58	7.98
		4.34	1.53		30.79	1.53		609.64	14.73		9.68	0.58		7.58	1.00
U2QVVZ	0.28	-0.54	0.15	1.61	0.28	1.52	27.68	-0.13	0.29	0.48	-0.32	0.00	0.39	-0.29	0.21
		-0.05	0.01		0.07	0.14		-0.68	0.53		-0.17	0.01		-0.03	0.03
486TGQ	0.35	0.21	0.53	1.42	-0.48	0.58	30.91	0.50	0.64	0.69	0.07	0.05	0.47	0.44	0.05
		0.02	0.04		-0.12	0.05		2.55	1.18		0.04	0.09		0.05	0.01
DLVLGJ	0.33	-0.04		1.60	0.24		32.17	0.74		0.61	-0.07		0.50	0.64	
		0.00	0.00		0.06	0.00		3.81	0.00		-0.04	0.00		0.07	0.00
97UHQN	0.25	-0.78	0.08	1.35	-0.78	0.13	21.41	-1.36	0.04	0.57	-0.16	0.00	0.38	-0.41	0.05
		-0.08	0.01		-0.19	0.01		-6.95	0.07		-0.09	0.01		-0.05	0.01
NJAJ39	0.23	-1.01	0.13	1.20	-1.38	0.63	21.86	-1.27	0.48	0.39	-0.50	0.02	0.35	-0.65	0.14
		-0.10	0.01		-0.35	0.06		-6.50	0.88		-0.27	0.04		-0.07	0.02
ATNL8M	0.29	-0.44	0.20	1.48	-0.23	0.35	29.40	0.20	0.88	0.61	-0.08	0.01	0.41	-0.15	0.12
		-0.04	0.02		-0.06	0.03		1.04	1.61		-0.04	0.01		-0.02	0.02
DRWZ3L	0.26	-0.71	0.46	1.20	-1.38	0.17	16.26	-2.36	0.03	0.60	-0.10	0.01	0.42	0.00	0.12
		-0.07	0.03		-0.34	0.02		-12.10	0.06		-0.05	0.01		0.00	0.02
FFW7K9	0.38	0.51					29.10	0.14		0.69	0.07		0.55	1.11	
		0.05	0.00					0.74	0.00		0.04	0.00		0.13	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		
JQ9CA8	0.35	0.17	4.09	1.98	1.77	3.11	32.63	0.83	2.60	5.16	8.42	4.47	0.95	4.66	4.42
		0.02	0.31		0.44	0.29		4.27	4.75		4.51	7.48		0.53	0.55
Grand Median		0.33			1.54			28.4			0.65			0.42	
Median Abs Dev		0.05			0.08			2.8			0.09			0.04	
Avg Within Lab SD		0.07			0.09			1.8			1.68			0.13	
Labs Included		20			19			20			20			20	
Labs Reporting		20			19			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		

SAR - sp (SubTestCode 108)	in the Salinity Property Groups															Data units: value	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
6LYFJD	0.15	-0.23	0.08	0.52	0.04	0.16	9.60	0.15	0.09	0.58	0.07	0.06	0.27	0.00	0.06		
		-0.02	0.00		0.02	0.01		0.65	0.04		0.03	0.06		0.00	0.01		
NLDBVL	0.15	-0.25	0.21	0.44	-0.15	1.08	7.89	-0.25	0.75	0.52	-0.07	0.02	0.26	-0.06	0.03		
		-0.02	0.01		-0.06	0.04		-1.06	0.34		-0.03	0.03		-0.01	0.00		
QRTWTH	0.20	0.40	0.15	0.50	-0.01	0.51	9.37	0.10	0.45	1.43	2.04	0.03	0.26	-0.10	0.05		
		0.03	0.01		-0.01	0.02		0.42	0.20		0.88	0.03		-0.01	0.01		
7ZD6W6	0.08	-1.29	0.39	0.38	-0.33	0.65	9.03	0.02	2.15	0.56	0.04	0.19	0.15	-1.01	0.08		
		-0.09	0.02		-0.13	0.02		0.08	0.97		0.02	0.20		-0.12	0.01		
8BQPU8	0.29	1.86	1.39	0.46	-0.11	0.45	7.59	-0.32	0.23	0.50	-0.10	0.06	0.29	0.17	0.28		
		0.12	0.06		-0.04	0.02		-1.36	0.10		-0.04	0.06		0.02	0.03		
KXG7ZU	0.15	-0.25	0.15	0.51	0.02	0.34	8.82	-0.03	0.42	0.60	0.13	0.01	0.28	0.09	0.00		
		-0.02	0.01		0.01	0.01		-0.13	0.19		0.06	0.02		0.01	0.00		
JR33FL	0.18	0.15		0.58	0.19		8.95	0.00		0.66	0.26		0.35	0.66			
		0.01	0.00		0.08	0.00		0.00	0.00		0.11	0.00		0.08	0.00		
JFLDGG	0.18	0.10	0.63	0.49	-0.05	0.85	8.57	-0.09	0.19	0.55	0.00	0.02	0.23	-0.29	0.05		
		0.01	0.03		-0.02	0.03		-0.38	0.09		0.00	0.02		-0.04	0.01		
U2QVVZ	0.15	-0.25	0.15	0.51	0.01	1.06	8.65	-0.07	0.31	0.48	-0.15	0.01	0.24	-0.24	0.08		
		-0.02	0.01		0.01	0.04		-0.30	0.14		-0.06	0.01		-0.03	0.01		
486TGQ	0.19	0.30	0.50	0.46	-0.12	0.17	9.29	0.08	0.77	0.50	-0.12	0.06	0.28	0.09	0.08		
		0.02	0.02		-0.05	0.01		0.34	0.35		-0.05	0.06		0.01	0.01		
DLVLGJ	0.17	0.00		0.53	0.06		9.63	0.16		0.56	0.03		0.28	0.09			
		0.00	0.00		0.03	0.00		0.68	0.00		0.01	0.00		0.01	0.00		
97UHQN	0.16	-0.15	0.00	0.45	-0.14	0.00	7.55	-0.32	0.07	0.43	-0.28	0.01	0.24	-0.26	0.05		
		-0.01	0.00		-0.06	0.00		-1.40	0.03		-0.12	0.01		-0.03	0.01		
NJAJ39	0.13	-0.55	0.15	0.44	-0.17	0.34	7.96	-0.23	0.33	0.43	-0.28	0.02	0.23	-0.34	0.05		
		-0.04	0.01		-0.07	0.01		-0.99	0.15		-0.12	0.03		-0.04	0.01		
ATNL8M	0.16	-0.10	0.29	0.51	0.01	0.29	9.62	0.15	0.83	0.48	-0.15	0.01	0.25	-0.16	0.08		
		-0.01	0.01		0.01	0.01		0.67	0.38		-0.07	0.01		-0.02	0.01		
DRWZ3L	0.39	3.38	0.29	3.89	8.59	0.78	44.92	8.33	1.21	0.88	0.77	0.01	0.71	3.58	0.08		
		0.22	0.01		3.39	0.03		35.97	0.54		0.33	0.01		0.44	0.01		
FFW7K9	0.18	0.15					8.56	-0.09		0.53	-0.04		0.29	0.17			
		0.01	0.00					-0.39	0.00		-0.02	0.00		0.02	0.00		
JQ9CA8	0.31	2.04	3.74	0.81	0.78	3.34	13.64	1.09	2.89	3.56	6.95	4.12	0.78	4.17	4.11		
		0.14	0.15		0.31	0.11		4.69	1.30		3.01	4.23		0.51	0.51		
Grand Median		0.17			0.51			8.95			0.55			0.27			
Median Abs Dev		0.02			0.05			0.65			0.06			0.02			
Avg Within Lab SD		0.04			0.03			0.45			1.03			0.12			
Labs Included		17			16			17			17			17			
Labs Reporting		17			16			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					
Cl - sp (SubTestCode 109)																		
	SRSSRS1506						SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
	Data units: mmolc/L																	
6LYFJD	0.49	-0.01	0.02	0.29	0.08	0.35	19.73	0.65	0.95	0.52	0.04	0.09	0.49	0.12	0.34			
		0.00	0.00		0.01	0.02		2.31	1.05		0.02	0.09		0.01	0.01			
NLDBVL	0.39	-0.58	0.03	0.19	-0.51	0.02	15.34	-0.58	1.16	0.48	-0.02	0.03	0.42	-0.65	0.56			
		-0.11	0.00		-0.08	0.00		-2.08	1.29		-0.01	0.03		-0.06	0.02			
QRTWTH	0.56	0.34	0.01	0.21	-0.40	0.03	17.53	0.03	0.08	1.25	1.19	0.01	0.47	-0.06	0.04			
		0.06	0.00		-0.07	0.00		0.11	0.09		0.75	0.01		-0.01	0.00			
B98YWY	0.53	0.20	0.21	0.25	-0.17	0.16	19.35	0.54	0.33	1.31	1.29	0.05	0.43	-0.50	0.82			
		0.04	0.03		-0.03	0.01		1.92	0.36		0.81	0.05		-0.05	0.03			
7ZD6W6	0.95	2.42	3.95	1.30	6.21	2.71	18.36	0.26	3.01	1.05	0.88	0.31	0.58	1.01	0.88			
		0.46	0.56		1.02	0.17		0.94	3.34		0.55	0.28		0.10	0.03			
49HZ39	0.31	-0.99	0.00	0.14	-0.83	0.00	9.37	-2.26	0.02	0.41	-0.13	0.03	0.25	-2.31				
		-0.19	0.00		-0.14	0.00		-8.05	0.02		-0.08	0.03		-0.23	0.00			
8BQPU8	0.42	-0.42	0.16	0.21	-0.42	0.09	15.50	-0.54	0.59	0.38	-0.18	0.03	0.49	0.07	1.79			
		-0.08	0.02		-0.07	0.01		-1.92	0.66		-0.12	0.03		0.01	0.06			
KXG7ZU	0.55	0.27	0.11	0.30	0.14	0.16	17.24	-0.05	0.24	0.42	-0.12	0.04	0.49	0.14	0.61			
		0.05	0.02		0.02	0.01		-0.18	0.27		-0.07	0.04		0.01	0.02			
ALN6UV	0.50	0.00	0.11	0.30	0.12	0.09	19.88	0.69	0.46	0.52	0.04	0.04	0.49	0.14	1.18			
		0.00	0.02		0.02	0.01		2.45	0.51		0.03	0.04		0.01	0.04			
JFLDGG	0.49	-0.02	0.08	0.23	-0.29	0.31	17.32	-0.03	0.00	0.50	0.00	0.01	0.48	0.00	0.37			
		0.00	0.01		-0.05	0.02		-0.11	0.00		0.00	0.01		0.00	0.01			
KF2UCA	23.33	121.18	40.11	8.00	46.82	15.67	660.00	180.03	23.83	14.67	22.47	0.62	16.00	156.13	29.28			
		22.84	5.69		7.72	1.00		642.58	26.46		14.17	0.58		15.52	1.00			
U2QVVZ	0.52	0.11	0.08	0.26	-0.08	1.18	18.29	0.24	0.47	0.41	-0.14	0.02	0.48	0.01	0.51			
		0.02	0.01		-0.01	0.08		0.87	0.52		-0.09	0.02		0.00	0.02			
486TGQ	1.14	3.41	1.77				20.69	0.92	1.02	3.36	4.54	0.67	0.77	2.92	1.01			
		0.64	0.25					3.27	1.14		2.86	0.63		0.29	0.03			
DLVLGJ	0.56	0.34		0.35	0.43		20.36	0.82		0.65	0.25		0.55	0.68				
		0.06	0.00		0.07	0.00		2.94	0.00		0.16	0.00		0.07	0.00			
97UHQN	0.45	-0.25	0.00	0.48	1.25	2.94	14.29	-0.88	0.32	0.35	-0.23	0.00	0.41	-0.66	0.17			
		-0.05	0.00		0.21	0.19		-3.13	0.35		-0.15	0.00		-0.07	0.01			
NJAJ39	0.50	0.01	0.06	0.21	-0.40	0.17	14.80	-0.73	0.31	0.38	-0.18	0.03	0.45	-0.31	0.19			
		0.00	0.01		-0.07	0.01		-2.62	0.34		-0.11	0.02		-0.03	0.01			
	0.52	0.11	0.02	0.25	-0.18	0.23	14.94	-0.70	0.42	0.46	-0.06	0.04	0.47	-0.14	0.58			
		0.02	0.00		-0.03	0.01		-2.48	0.47		-0.04	0.04		-0.01	0.02			
ATNL8M							18.70	0.36	0.94									
								1.28	1.04									
DRWZ3L	0.12	-2.00	0.07	0.31	0.22	0.24	10.97	-1.81	0.11	0.56	0.10	0.01	0.54	0.61	0.29			
		-0.38	0.01		0.04	0.02		-6.46	0.12		0.06	0.01		0.06	0.01			
NMBMTA	0.43	-0.36	0.31	0.29	0.08	0.32	13.45	-1.11	1.04	0.45	-0.07	0.07	0.35	-1.35	1.41			
		-0.07	0.04		0.01	0.02		-3.97	1.16		-0.05	0.06		-0.13	0.05			



ALP Program - Participant Web Summary Report - Cycle 27

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
JQ9CA8	0.31	-0.97	0.11	0.33	0.33	0.27	18.49	0.30	2.08	2.61	3.36	4.29	0.37	-1.13	2.87
		-0.18	0.02		0.05	0.02		1.06	2.31		2.12	4.00		-0.11	0.10
Grand Median		0.50			0.28			17.4			0.50			0.48	
Median Abs Dev		0.06			0.05			2.2			0.09			0.05	
Avg Within Lab SD		0.14			0.06			1.1			0.93			0.03	
Labs Included		19			18			20			19			19	
Labs Reporting		19			18			20			19			19	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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) Data units: mmolc/L															
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	0.25	0.07	0.02	3.08	0.36	0.10	19.89	0.50	0.51	0.75	0.41	0.13	0.72	0.53	0.47
		0.01	0.00		0.29	0.01		1.99	0.50		0.22	0.16		0.14	0.04
NLDBVL	0.26	0.11	0.02	2.50	-0.36	0.81	15.94	-0.49	0.77	0.56	0.05	0.00	0.65	0.27	0.28
		0.02	0.00		-0.29	0.09		-1.96	0.76		0.02	0.00		0.07	0.02
QRTWTH	0.25	0.06	0.04	2.51	-0.35	0.05	18.04	0.03	0.16	0.74	0.39	0.01	0.47	-0.40	0.04
		0.01	0.00		-0.28	0.00		0.14	0.15		0.21	0.01		-0.11	0.00
B98YWY	0.10	-0.74	0.05	0.94	-2.30	0.57	6.15	-2.94	0.07	0.32	-0.40	0.01	0.17	-1.52	0.09
		-0.14	0.01		-1.85	0.06		-11.75	0.07		-0.21	0.02		-0.40	0.01
7ZD6W6	0.22	-0.12	0.26	3.22	0.54	1.23	19.56	0.42	2.51	0.97	0.84	0.18	0.56	-0.08	0.24
		-0.02	0.03		0.43	0.13		1.66	2.48		0.44	0.22		-0.02	0.02
49HZ39	0.25	0.05		3.08	0.37	0.27	16.03	-0.47	0.03	0.64	0.21	0.01	0.65	0.27	0.00
		0.01	0.00		0.30	0.03		-1.87	0.03		0.11	0.01		0.07	0.00
8BQPU8	0.24	0.00	0.89	1.79	-1.24	0.30	13.47	-1.11	0.66	0.23	-0.57	0.03	0.45	-0.48	0.41
		0.00	0.09		-1.00	0.03		-4.43	0.65		-0.30	0.03		-0.13	0.04
KXG7ZU	0.22	-0.11	0.10	2.79	0.00	0.48	16.08	-0.46	0.27	0.48	-0.09	0.01	0.50	-0.29	0.11
		-0.02	0.01		0.00	0.05		-1.82	0.27		-0.05	0.02		-0.08	0.01
ALN6UV	0.26	0.12	0.51	3.00	0.27	1.98	17.90	0.00	1.52	0.58	0.09	0.03	0.96	1.43	1.49
		0.02	0.05		0.21	0.21		0.00	1.50		0.05	0.04		0.38	0.13
JFLDGG	0.28	0.21	0.13	2.50	-0.35	0.39	18.05	0.04	0.00	0.49	-0.08	0.01	0.51	-0.24	0.14
		0.04	0.01		-0.29	0.04		0.15	0.00		-0.04	0.02		-0.06	0.01
KF2UCA	8.00	40.92	20.54	120.67	146.46	10.92	912.67	224.03	30.59	13.33	24.39	2.04	22.33	81.83	23.76
		7.76	2.00		117.88	1.15		894.77	30.27		12.80	2.52		21.76	2.08
WWRYLZ	1.87	8.62	4.10	4.27	1.85	1.45	21.94	1.01	1.67	0.02	-0.97	0.00	1.27	2.62	0.23
		1.63	0.40		1.49	0.15		4.04	1.65		-0.51	0.00		0.70	0.02
U2QVVZ	0.23	-0.07	0.06	2.48	-0.38	0.75	17.85	-0.01	0.24	0.29	-0.47	0.01	0.53	-0.19	0.07
		-0.01	0.01		-0.31	0.08		-0.05	0.24		-0.24	0.02		-0.05	0.01
486TGQ	0.30	0.33	0.36	3.36	0.71	1.81	23.96	1.52	1.59	0.65	0.23	0.01	0.71	0.49	0.51
		0.06	0.04		0.57	0.19		6.06	1.58		0.12	0.02		0.13	0.05
DLVLGJ	0.20	-0.21		3.13	0.42		21.04	0.79		0.53	0.00		0.58	0.00	
		-0.04	0.00		0.34	0.00		3.14	0.00		0.00	0.00		0.00	0.00
97UHQN	0.19	-0.26	0.00	2.24	-0.68	0.29	14.76	-0.79	0.40	0.24	-0.55	0.00	0.59	0.04	0.07
		-0.05	0.00		-0.54	0.03		-3.14	0.40		-0.29	0.00		0.01	0.01
NJAJ39	0.13	-0.58	0.10	2.19	-0.74	0.64	14.84	-0.77	0.28	0.22	-0.60	0.01	0.42	-0.58	0.11
		-0.11	0.01		-0.60	0.07		-3.06	0.27		-0.31	0.01		-0.15	0.01
ATNL8M	0.20	-0.23	0.42	2.30	-0.60	1.52	18.47	0.14	1.28	0.26	-0.52	0.05	0.51	-0.25	0.68
		-0.04	0.04		-0.49	0.16		0.57	1.27		-0.27	0.06		-0.07	0.06
DRWZ3L	0.38	0.72	0.30	3.43	0.80	0.20	15.65	-0.56	0.02	0.68	0.28	0.01	1.22	2.42	0.11
		0.14	0.03		0.64	0.02		-2.25	0.02		0.15	0.01		0.64	0.01
JQ9CA8	0.21	-0.18	0.80	3.20	0.51	1.79	21.01	0.78	1.34	3.71	6.06	4.35	0.77	0.73	3.93
		-0.04	0.08		0.41	0.19		3.11	1.32		3.18	5.38		0.19	0.34



ALP Program - Participant Web Summary Report - Cycle 27

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		0.24			2.79			17.9			0.53			0.58	
Median Abs Dev		0.04			0.41			2.0			0.21			0.11	
Avg Within Lab SD		0.10			0.11			1.0			1.24			0.09	
Labs Included		19			19			19			19			19	
Labs Reporting		19			19			19			19			19	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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															Data units: mmolc/L	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
6LYFJD	7.0	0.2	0.2	15.0	0.0	0.5	10.1	-0.2	0.3	0.0	-0.1	0.0	5.6	0.3	0.1		
		0.3	0.1		0.0	0.4		-0.2	0.1		-0.1	0.0		0.2	0.0		
QRTWTH	6.8	0.0	0.0	15.3	0.1	0.1	10.4	0.1	0.3	0.1	-0.1	0.0	5.8	0.5	0.1		
		0.1	0.0		0.3	0.1		0.1	0.1		0.0	0.0		0.4	0.0		
7ZD6W6	7.7	0.6	2.8	17.2	0.6	1.2	10.7	0.3	1.4	1.7	2.1	0.6	6.3	1.1	2.7		
		0.9	1.0		2.1	1.2		0.4	0.6		1.6	0.6		1.0	1.0		
49HZ39	6.7	0.0	0.1	15.4	0.1	0.0	9.3	-0.7	0.0	0.1	0.0	0.0	5.3	-0.1	0.0		
		-0.1	0.0		0.4	0.0		-1.0	0.0		0.0	0.0		-0.1	0.0		
KXG7ZU	6.8	0.1	0.6	16.0	0.2	0.4	10.1	-0.1	0.4	0.2	0.2	0.0	5.4	0.1	0.6		
		0.1	0.2		0.9	0.4		-0.2	0.2		0.1	0.0		0.1	0.2		
JFLDGG	5.7	-0.7	0.4	10.1	-1.3	0.0	10.6	0.2	0.0	0.2	0.1	0.0	4.4	-1.1	0.2		
		-1.1	0.1		-4.9	0.0		0.3	0.0		0.1	0.0		-0.9	0.1		
KF2UCA	461.3	274.8	64.5	999.7	256.8	38.6	714.3	514.9	62.6	23.7	32.3	9.3	378.0	436.2	40.3		
		454.6	23.0		984.6	36.6		704.0	28.0		23.6	9.7		372.7	15.1		
U2QVVZ	5.7	-0.6	2.3	12.4	-0.7	3.2	10.8	0.3	1.5	0.0	-0.1	0.0	4.6	-0.8	0.8		
		-1.1	0.8		-2.6	3.0		0.4	0.7		-0.1	0.0		-0.7	0.3		
486TGQ	7.1	0.2	0.5	15.2	0.0	0.5	12.0	1.2	0.9		1.2	0.9	6.6	1.5	0.3		
		0.4	0.2		0.2	0.4		1.7	0.4		1.7	0.4		1.3	0.1		
DLVLGJ	7.2	0.3		15.1	0.0		11.6	1.0		0.1	1.0		6.1	0.9			
		0.5	0.0		0.0	0.0		1.3	0.0		1.3	0.0		0.8	0.0		
97UHQN	3.3	-2.1	0.1	9.0	-1.6	0.1	8.1	-1.6	0.4		-1.6	0.4	4.3	-1.2	0.1		
		-3.4	0.0		-6.0	0.1		-2.2	0.2		-2.2	0.2		-1.0	0.0		
NJAJ39	6.2	-0.3	0.4	12.2	-0.7	0.4	8.5	-1.3	0.5		-1.3	0.5	5.0	-0.4	0.2		
		-0.5	0.1		-2.9	0.4		-1.8	0.2		-1.8	0.2		-0.3	0.1		
ATNL8M	5.1	-1.0	0.3	9.2	-1.5	0.4	10.2	-0.1	1.3		-0.1	1.3	4.8	-0.6	0.6		
		-1.7	0.1		-5.8	0.4		-0.1	0.6		-0.1	0.6		-0.5	0.2		
DRWZ3L	2.1	-2.8	0.1	7.1	-2.1	0.0	8.7	-1.2	0.6	0.0	-0.1	0.0	4.6	-0.8	0.2		
		-4.6	0.0		-7.9	0.0		-1.7	0.3		-0.1	0.0		-0.7	0.1		
FFW7K9	40.9	20.6	3.8	120.0	27.4	2.8	54.9	32.6	3.5	3.1	4.1	0.1	40.6	41.2	3.1		
		34.1	1.4		105.0	2.6		44.5	1.6		3.0	0.2		35.2	1.2		
JQ9CA8	7.7	0.6	0.3	17.1	0.5	1.2	11.8	1.1	2.5	2.5	3.3	2.9	5.4	0.1	2.3		
		0.9	0.1		2.1	1.1		1.5	1.1		2.4	3.1		0.1	0.9		
Grand Median		6.75			15.0			10.3			0.10			5.33			
Median Abs Dev		0.72			2.1			0.7			0.07			0.61			
Avg Within Lab SD		0.36			0.9			0.4			1.04			0.37			
Labs Included		14			14			14			9			14			
Labs Reporting		14			14			14			9			14			



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	0.03	-0.36	0.03	0.10	-0.06	0.00	0.96	0.20	0.02	0.22	-0.10	0.02	0.03	-0.17	0.00
		-0.02	0.00		-0.01	0.00		0.03	0.00		-0.01	0.00		0.00	0.00
QRTWTH	0.06	0.18	0.34	0.14	0.09	1.12	1.06	0.86	1.39	0.32	0.74	0.34	0.06	0.72	0.58
		0.01	0.01		0.02	0.02		0.13	0.07		0.09	0.02		0.02	0.01
7ZD6W6	0.08	0.61	1.38	0.11	-0.02	1.06	0.71	-1.48	0.91	0.43	1.71	2.00	0.07	1.04	0.94
		0.03	0.03		-0.01	0.02		-0.22	0.05		0.20	0.13		0.03	0.02
49HZ39	0.01	-0.66	0.00	0.12	0.02	0.40	0.71	-1.53	0.23	0.21	-0.22	0.09	0.01	-1.07	0.00
		-0.04	0.00		0.01	0.01		-0.23	0.01		-0.03	0.01		-0.03	0.00
KXG7ZU	0.02	-0.50	0.08	0.09	-0.12	0.08	0.82	-0.74	1.12	0.24	0.05	0.32	0.02	-0.51	0.22
		-0.03	0.00		-0.03	0.00		-0.11	0.06		0.01	0.02		-0.01	0.00
ALN6UV	0.07	0.47	2.51	0.11	-0.05	2.13	0.79	-0.97	1.64	0.15	-0.68	0.39	0.02	-0.70	0.62
		0.03	0.05		-0.01	0.03		-0.14	0.08		-0.08	0.03		-0.02	0.01
9L8TGW	0.09	0.85	0.30	0.15	0.16	0.40	0.99	0.38	0.80	0.29	0.53	0.09	0.05	0.55	0.36
		0.05	0.01		0.04	0.01		0.06	0.04		0.06	0.01		0.01	0.01
JFLDGG							0.90	-0.22	0.00						
								-0.03	0.00						
U2QVVZ	0.02	-0.41	0.14	0.11	-0.04	0.42	0.94	0.05	0.39	0.23	-0.05	0.16	0.02	-0.64	0.40
		-0.02	0.00		-0.01	0.01		0.01	0.02		-0.01	0.01		-0.02	0.01
DRWZ3L	0.19	2.54	0.62	1.49	6.09	1.06	0.93	0.00	1.16	0.15	-0.71	0.17	0.04	0.17	0.36
		0.14	0.01		1.37	0.02		0.00	0.06		-0.08	0.01		0.00	0.01
JQ9CA8	0.04	-0.18	1.09	0.14	0.10	1.21	1.08	0.99	1.45	0.46	1.97	2.36	0.07	1.17	2.82
		-0.01	0.02		0.02	0.02		0.15	0.07		0.23	0.15		0.03	0.05
Grand Median		0.046			0.12			0.93			0.23			0.039	
Median Abs Dev		0.027			0.02			0.11			0.07			0.018	
Avg Within Lab SD		0.019			0.01			0.05			0.06			0.016	
Labs Included		10			10			11			10			10	
Labs Reporting		10			10			11			10			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		

	Soil EC (1:1) (SubTestCode 113) in the Soil pH & EC Property Groups												Data units: dS/m		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
P4A2NU	0.35	0.87	0.22	1.06	0.38	0.37	1.81	0.32	0.32	0.14	0.12	1.04	0.34	0.23	0.73
		0.06	0.01		0.07	0.02		0.11	0.03		0.01	0.02		0.02	0.02
NLDBVL	0.35	0.95	0.22	1.07	0.43	0.51	1.85	0.43	0.40	0.16	0.33	0.70	0.34	0.27	0.47
		0.07	0.01		0.08	0.03		0.15	0.04		0.03	0.01		0.03	0.01
CHC7CY	0.26	-0.26	0.48	0.95	-0.24	0.11	1.60	-0.30	0.00	0.11	-0.27	0.44	0.28	-0.32	0.34
		-0.02	0.01		-0.04	0.01		-0.10	0.00		-0.02	0.01		-0.03	0.01
QRTWTH	0.35	0.95	0.45	1.14	0.86	0.09	2.05	1.02	0.18	0.14	0.12	0.00	0.44	1.26	0.27
		0.07	0.01		0.15	0.01		0.35	0.02		0.01	0.00		0.12	0.01
7ZD6W6	0.28	-0.03	0.67	0.93	-0.34	0.24	1.51	-0.56	0.43	0.14	0.08	0.92	0.23	-0.90	0.27
		0.00	0.02		-0.06	0.02		-0.19	0.04		0.01	0.02		-0.09	0.01
49HZ39	0.38	1.27	0.59	1.06	0.38	0.64	1.82	0.36	0.22	0.37	3.01	0.70	0.41	0.99	1.26
		0.09	0.02		0.07	0.04		0.12	0.02		0.24	0.01		0.10	0.03
TJAAWJ	0.35	0.94	0.20	0.85	-0.75	0.09	1.44	-0.76	0.29	0.21	0.94	0.23	0.30	-0.14	0.37
		0.07	0.01		-0.13	0.01		-0.26	0.03		0.08	0.00		-0.01	0.01
HBXDMV	0.31	0.37	1.40	1.11	0.69	0.09	1.75	0.14	0.65	0.12	-0.13	0.00	0.34	0.27	0.00
		0.03	0.04		0.12	0.01		0.05	0.06		-0.01	0.00		0.03	0.00
3MY89	0.25	-0.39	0.22	0.84	-0.85	0.09	1.57	-0.39	0.62	0.12	-0.13	0.60	0.30	-0.15	0.00
		-0.03	0.01		-0.15	0.01		-0.13	0.06		-0.01	0.01		-0.01	0.00
9NWX4	0.31	0.42	0.34	0.75	-1.34	3.84	0.80	-2.64	0.12	0.06	-0.89	0.35	0.18	-1.40	0.27
		0.03	0.01		-0.24	0.24		-0.90	0.01		-0.07	0.01		-0.14	0.01
CTDWTZ	0.19	-1.19	0.45	0.89	-0.55	0.27	1.48	-0.66	0.12	0.10	-0.42	0.35	0.23	-0.87	0.47
		-0.09	0.01		-0.10	0.02		-0.22	0.01		-0.03	0.01		-0.08	0.01
Q79WMM	0.22	-0.90	1.50	0.86	-0.71	0.67	1.62	-0.25	1.79	0.14	0.17	1.36	0.23	-0.84	0.75
		-0.07	0.04		-0.13	0.04		-0.09	0.17		0.01	0.02		-0.08	0.02
KXG7ZU	0.28	-0.06	1.23	1.03	0.25	0.86	1.85	0.44	0.40	0.12	-0.16	0.05	0.37	0.58	0.50
		0.00	0.03		0.04	0.05		0.15	0.04		-0.01	0.00		0.06	0.01
JR33FL	0.28	-0.07	0.22	1.05	0.32	0.18	1.95	0.72	0.12	0.12	-0.09	0.35	0.33	0.16	0.00
		-0.01	0.01		0.06	0.01		0.25	0.01		-0.01	0.01		0.02	0.00
BKK2HW	0.31	0.33	1.91	1.03	0.25	0.91	1.60	-0.30	0.00	0.12	-0.17	0.35	0.31	-0.01	0.27
		0.02	0.05		0.04	0.06		-0.10	0.00		-0.01	0.01		0.00	0.01
F74V9R	0.30	0.26	0.17	0.93	-0.32	0.24	2.06	1.05	0.32	0.13	0.00	0.15	0.39	0.75	0.30
		0.02	0.00		-0.06	0.02		0.36	0.03		0.00	0.00		0.07	0.01
6P2GLV	0.25	-0.47	0.02	0.89	-0.56	0.01	1.74	0.10	0.01	0.16	0.34	0.10	0.32	0.01	0.00
		-0.03	0.00		-0.10	0.00		0.03	0.00		0.03	0.00		0.00	0.00
JFLDGG	0.38	1.31	0.00	1.17	1.01	0.00	2.16	1.33	0.06	0.13	0.00	0.00	0.46	1.47	0.27
		0.10	0.00		0.18	0.00		0.46	0.01		0.00	0.00		0.14	0.01
4P4LMY	0.24	-0.61	0.22	1.01	0.14	0.09	1.65	-0.14	0.16	0.10	-0.38	0.00	0.29	-0.21	0.55
		-0.05	0.01		0.02	0.01		-0.05	0.02		-0.03	0.00		-0.02	0.01
PECGCD	0.16	-1.68	0.22	0.96	-0.14	0.20	1.83	0.37	0.20	0.74	7.55	4.35	0.22	-0.99	0.31
		-0.13	0.01		-0.02	0.01		0.13	0.02		0.61	0.07		-0.10	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		
PQMPE7	0.20	-1.10	0.00	0.73	-1.42	0.91	1.40	-0.88	0.00	0.10	-0.38	0.00	0.20	-1.18	0.00
394EVR	0.27	-0.08	0.00	0.80	-0.26	0.06	1.67	-0.30	0.00	0.10	-0.03	0.00	0.33	-0.11	0.00
U2QVVZ	0.34	-0.21	2.24	1.05	-1.05	1.58	1.94	-0.10	2.68	0.19	-0.38	0.00	0.42	0.20	2.74
DRWZ3L	0.41	-0.02	0.06	1.56	-0.19	0.10	2.69	-0.03	0.25	0.16	-0.03	0.00	0.56	0.02	0.06
HBX9B8	0.25	0.72	0.12	0.86	0.32	0.21	1.63	0.69	0.06	0.12	0.73	0.46	0.27	1.09	0.22
FZ2NVA	0.28	0.05	0.00	1.05	0.06	0.01	1.53	0.24	0.01	0.16	0.06	0.01	0.29	0.11	0.00
		1.76	0.45		3.20	1.47		2.89	0.28		0.33	0.35		2.57	0.55
		0.13	0.01		0.57	0.09		0.99	0.03		0.03	0.01		0.25	0.01
		-0.39	1.99		-0.70	1.59		-0.22	3.70		-0.09	0.92		-0.42	3.69
		-0.03	0.05		-0.13	0.10		-0.07	0.35		-0.01	0.02		-0.04	0.08
		0.03	2.36		0.34	0.16		-0.51	0.25		0.36	0.09		-0.27	0.23
		0.00	0.06		0.06	0.01		-0.17	0.02		0.03	0.00		-0.03	0.00
Grand Median		0.28			0.99			1.70			0.13			0.31	
Median Abs Dev		0.04			0.09			0.15			0.02			0.05	
Avg Within Lab SD		0.03			0.06			0.09			0.02			0.02	
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		

Soil EC (1:2) (SubTestCode 114)			in the Soil pH & EC Property Groups												Data units: dS/m		
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
M9QMKW	0.21	0.42	1.87	0.50	-0.67	0.54	0.97	-0.36	0.26	0.17	1.51	1.72	0.31	1.76	0.66		
		0.02	0.02		-0.12	0.01		-0.10	0.02		0.09	0.02		0.08	0.01		
NLDBVL	0.20	0.11	0.50	0.70	0.48	0.56	1.25	0.60	0.39	0.10	0.39	0.60	0.22	-0.04	0.57		
		0.00	0.01		0.08	0.01		0.17	0.03		0.02	0.01		0.00	0.01		
QRTWTH	0.20	0.11	0.50	0.66	0.23	0.49	1.07	-0.02	0.00	0.09	0.17	0.00	0.24	0.45	0.33		
		0.00	0.01		0.04	0.01		-0.01	0.00		0.01	0.00		0.02	0.01		
49HZ39	0.20	0.18	0.87	0.66	0.25	0.74	1.07	-0.03	1.00	0.22	2.39	0.60	0.26	0.87	0.33		
		0.01	0.01		0.04	0.02		-0.01	0.07		0.14	0.01		0.04	0.01		
9NWXA4	0.21	0.32	0.50	0.63	0.06	2.12	0.80	-0.98	0.18	0.06	-0.39	0.60	0.18	-0.96	0.33		
		0.01	0.01		0.01	0.04		-0.28	0.01		-0.02	0.01		-0.05	0.01		
YZZZJF	0.18	-0.31	0.05	0.58	-0.25	0.41	1.00	-0.25	0.05	0.06	-0.35	0.18	0.21	-0.31	0.09		
		-0.01	0.00		-0.04	0.01		-0.07	0.00		-0.02	0.00		-0.01	0.00		
KXG7ZU	0.09	-2.12	0.19	0.46	-0.93	1.55	1.04	-0.11	0.17	0.05	-0.50	0.91	0.22	-0.08	0.64		
		-0.10	0.00		-0.16	0.03		-0.03	0.01		-0.03	0.01		0.00	0.01		
D4AZWT	0.19	-0.02	0.00	0.60	-0.10	0.00	1.03	-0.16	0.00	0.06	-0.33	0.00	0.22	-0.13	0.00		
		0.00	0.00		-0.02	0.00		-0.05	0.00		-0.02	0.00		-0.01	0.00		
XFBKG8	0.09	-2.29	1.00	0.29	-1.89	0.74	0.80	-0.96	0.44	0.05	-0.44	1.59	0.15	-1.59	0.33		
		-0.11	0.01		-0.33	0.02		-0.27	0.03		-0.03	0.02		-0.08	0.01		
NMAR8J	0.14	-1.06	0.50	0.41	-1.21	1.49	0.90	-0.61	0.62	0.08	0.00	0.00	0.19	-0.75	0.87		
		-0.05	0.01		-0.21	0.03		-0.17	0.04		0.00	0.00		-0.04	0.02		
C7JPMX	0.13	-1.42	0.50	0.61	-0.03	0.28	1.11	0.12	0.15	0.08	0.00	1.04	0.23	0.10	0.33		
		-0.07	0.01		-0.01	0.01		0.03	0.01		0.00	0.01		0.00	0.01		
TK6TZ7	0.22	0.69	1.00	0.69	0.39	0.28	1.44	1.30	0.49	0.10	0.28	0.60	0.27	1.08	1.64		
		0.03	0.01		0.07	0.01		0.37	0.03		0.02	0.01		0.05	0.03		
JYG73E	0.14	-1.20	0.50	0.56	-0.35	1.13	1.11	0.13	0.32	0.07	-0.11	0.60	0.18	-0.96	0.33		
		-0.06	0.01		-0.06	0.02		0.04	0.02		-0.01	0.01		-0.05	0.01		
JFLDGG	0.20	0.25	0.50	0.65	0.16	0.28	1.19	0.40	0.15	0.08	0.00	0.00	0.24	0.38	0.00		
		0.01	0.01		0.03	0.01		0.11	0.01		0.00	0.00		0.02	0.00		
XKPZB6	0.21	0.42	1.18	0.73	0.66	1.37	1.19	0.39	0.22	0.10	0.31	0.77	0.25	0.54	0.05		
		0.02	0.01		0.11	0.03		0.11	0.01		0.02	0.01		0.03	0.00		
ADR88T	0.24	1.14	0.43	1.32	3.98	0.95	2.54	5.18	0.09	0.54	7.74	1.57	0.26	0.88	0.18		
		0.05	0.00		0.70	0.02		1.47	0.01		0.46	0.02		0.04	0.00		
NDHCHE	0.17	-0.46	0.35	0.62	0.03	0.99	1.00	-0.28	0.44	0.08	-0.03	0.51	0.19	-0.60	0.29		
		-0.02	0.00		0.01	0.02		-0.08	0.03		0.00	0.00		-0.03	0.01		
4QY6PZ	0.20	0.18	0.00	0.50	-0.68		1.00	-0.27		0.10	0.33	0.00	0.20	-0.46	0.00		
		0.01	0.00		-0.12	0.00		-0.08	0.00		0.02	0.00		-0.02	0.00		
FKAQUE	0.18	-0.23	0.81	0.59	-0.14	0.19	1.08	0.02	0.19	0.06	-0.29	0.07	0.23	0.12	0.05		
		-0.01	0.01		-0.03	0.00		0.01	0.01		-0.02	0.00		0.01	0.00		
U2QVVZ	0.18	-0.31	0.05	0.59	-0.18	0.13	1.08	0.03	0.08	0.10	0.37	0.42	0.22	0.04	0.15		
		-0.01	0.00		-0.03	0.00		0.01	0.01		0.02	0.00		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		
486TGQ	0.23	0.82	1.78	0.83	1.19	1.39	1.26	0.64	0.35	0.10	0.34	0.26	0.25	0.68	0.39
		0.04	0.02		0.21	0.03		0.18	0.02		0.02	0.00		0.03	0.01
DLVLGJ	0.15	-0.82		0.47	-0.88		0.93	-0.51		0.07	-0.15		0.18	-0.99	
		-0.04	0.00		-0.15	0.00		-0.14	0.00		-0.01	0.00		-0.05	0.00
ATNL8M	0.19	0.02	0.27	0.63	0.07	0.29	1.16	0.30	0.15	0.08	-0.03	0.65	0.23	0.18	0.09
		0.00	0.00		0.01	0.01		0.08	0.01		0.00	0.01		0.01	0.00
YJCQYX	0.13	-1.42	2.65	0.71	0.52	1.29	1.12	0.17	1.68	0.08	0.00	1.04	0.20	-0.46	2.05
		-0.07	0.03		0.09	0.03		0.05	0.11		0.00	0.01		-0.02	0.04
7C8GAJ	0.16	-0.62	1.00	0.44	-1.00	0.56	0.91	-0.58	0.15	0.07	-0.17	0.00	0.16	-1.24	2.16
		-0.03	0.01		-0.18	0.01		-0.17	0.01		-0.01	0.00		-0.06	0.04
729JLJ	0.18	-0.18	1.00	0.32	-1.70	0.49	0.59	-1.71	0.67	0.05	-0.44	0.60	0.18	-0.82	0.33
		-0.01	0.01		-0.30	0.01		-0.49	0.04		-0.03	0.01		-0.04	0.01
JQ9CA8	0.26	1.48	2.30	0.70	0.48	2.68	1.75	2.37	4.69	0.15	1.11	3.65	0.30	1.72	3.66
		0.07	0.03		0.08	0.06		0.67	0.31		0.07	0.04		0.08	0.06
7RJXFK	0.21	0.30	0.10	0.68	0.36	0.07	1.19	0.40	0.02	0.12	0.71	0.04	0.26	0.70	0.14
		0.01	0.00		0.06	0.00		0.11	0.00		0.04	0.00		0.03	0.00
Grand Median		0.19			0.62			1.08			0.080			0.22	
Median Abs Dev		0.02			0.08			0.11			0.020			0.03	
Avg Within Lab SD		0.01			0.02			0.07			0.010			0.02	
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		

pH (1:1) Water (SubTestCode 115)	in the Soil pH & EC Property Groups												Data units: Unit		
SRSSRS1506	SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
6LYFJD	6.27	0.70	1.35	7.87	1.25	1.29	8.17	0.43	1.32	6.97	0.66	0.84	5.60	0.48	0.00
		0.10	0.06		0.23	0.06		0.07	0.06		0.09	0.06		0.09	0.00
P4A2NU	5.98	-1.36	0.82	7.58	-0.31	1.16	8.11	0.04	0.57	6.76	-0.89	0.22	5.34	-0.98	0.10
		-0.19	0.04		-0.06	0.05		0.01	0.03		-0.12	0.02		-0.18	0.01
M9QMKW	6.47	2.16	0.59	7.43	-1.10	0.56	7.85	-1.61	2.28	7.03	1.16	0.22	5.69	1.00	3.64
		0.30	0.03		-0.20	0.03		-0.25	0.10		0.16	0.02		0.18	0.22
JGWHQY	6.10	-0.51	0.00	7.80	0.89	0.00	8.10	0.00	0.00	6.90	0.17	0.00	5.50	-0.07	
		-0.07	0.00		0.16	0.00		0.00	0.00		0.02	0.00		-0.01	0.00
NLDBVL	6.12	-0.39	0.82	7.72	0.45	0.77	8.16	0.41	0.57	6.86	-0.12	0.44	5.49	-0.13	0.45
		-0.05	0.04		0.08	0.03		0.06	0.03		-0.02	0.03		-0.02	0.03
CHC7CY	6.17	0.02	0.13	7.87	1.27	0.22	8.43	2.13	0.00	6.86	-0.12	0.15	5.55	0.22	0.10
		0.00	0.01		0.23	0.01		0.33	0.00		-0.02	0.01		0.04	0.01
BKNL7Y	6.10	-0.51	0.00	7.60	-0.20	0.00	8.20	0.64	0.00	6.80	-0.57	0.00	5.60	0.48	0.00
		-0.07	0.00		-0.04	0.00		0.10	0.00		-0.08	0.00		0.09	0.00
QRTWTH	6.01	-1.14	2.70	7.49	-0.80	0.80	8.05	-0.30	0.35	6.76	-0.84	0.08	5.46	-0.28	0.35
		-0.16	0.12		-0.15	0.04		-0.05	0.02		-0.11	0.01		-0.05	0.02
7ZD6W6	6.06	-0.82	0.36	7.76	0.65	0.46	8.12	0.11	1.03	6.77	-0.81	0.51	5.40	-0.65	0.10
		-0.11	0.02		0.12	0.02		0.02	0.05		-0.11	0.04		-0.12	0.01
G79EWV	6.20	0.22	0.00	7.60	-0.20	0.00	8.10	0.00	0.00	6.70	-1.30	1.46	5.50	-0.07	
		0.03	0.00		-0.04	0.00		0.00	0.00		-0.18	0.10		-0.01	0.00
49HZ39	6.11	-0.41	0.36	7.45	-0.99	0.13	7.98	-0.77	0.23	6.77	-0.79	0.25	5.49	-0.11	0.39
		-0.06	0.02		-0.18	0.01		-0.12	0.01		-0.11	0.02		-0.02	0.02
E7WXNW	6.29	0.87	0.47	7.64	0.00	0.56	8.10	0.02	2.20	7.05	1.28	0.73	5.64	0.68	0.64
		0.12	0.02		0.00	0.03		0.00	0.10		0.17	0.05		0.12	0.04
TJAAWJ	6.42	1.82	0.23	7.32	-1.72	0.22	7.72	-2.45	0.00	6.96	0.62	0.29	6.01	2.77	0.26
		0.25	0.01		-0.32	0.01		-0.38	0.00		0.08	0.02		0.50	0.02
3MY89	6.24	0.53	0.36	7.74	0.54	0.51	8.13	0.21	0.26	6.89	0.07	0.17	5.54	0.15	0.17
		0.07	0.02		0.10	0.02		0.03	0.01		0.01	0.01		0.03	0.01
9NWXA4	6.20	0.22	0.00	7.80	0.89	0.00	8.27	1.07	1.32	6.93	0.42	0.84	5.50	-0.07	
		0.03	0.00		0.16	0.00		0.17	0.06		0.06	0.06		-0.01	0.00
CTDWTZ	6.17	-0.02	0.67	7.67	0.16	0.64	8.12	0.11	0.66	6.82	-0.44	0.42	5.42	-0.54	0.49
		0.00	0.03		0.03	0.03		0.02	0.03		-0.06	0.03		-0.10	0.03
YZZZJF	6.10	-0.51	1.99	7.65	0.05	0.51	8.12	0.11	1.30	6.91	0.27	0.75	5.46	-0.31	0.10
		-0.07	0.09		0.01	0.02		0.02	0.06		0.04	0.05		-0.06	0.01
Q79WMM	6.63	3.37	1.35	7.56	-0.43	1.14	8.14	0.26	1.37	7.37	3.67	1.61	6.00	2.68	2.98
		0.46	0.06		-0.08	0.05		0.04	0.06		0.50	0.11		0.48	0.18
KXG7ZU	6.15	-0.12	0.82	7.66	0.13	0.97	8.12	0.15	2.05	6.85	-0.17	0.22	5.44	-0.42	0.43
		-0.02	0.04		0.02	0.04		0.02	0.09		-0.02	0.02		-0.08	0.03
JR33FL	6.20	0.22	0.00	7.57	-0.38	1.29	8.07	-0.21	1.32	7.03	1.16	0.84	5.47	-0.26	0.98
		0.03	0.00		-0.07	0.06		-0.03	0.06		0.16	0.06		-0.05	0.06



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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
W9HRV9	6.17	0.00	0.40	7.69	0.31	0.93	8.03	-0.45	0.46	6.86	-0.15	0.42	5.51	0.00	0.10
NDLV7H	6.22	0.00	0.02	7.83	0.06	0.04	8.20	-0.07	0.02	6.90	-0.02	0.03	5.49	0.00	0.01
D4AZWT	6.10	0.36	0.23	7.67	1.07	1.23	8.10	0.67	1.15	6.93	0.20	0.47	5.40	-0.13	0.45
XFBKG8	6.01	0.05	0.01	7.51	0.20	0.06	8.02	0.10	0.05	6.82	0.03	0.03	5.48	-0.02	0.03
B6T2QW	6.17	-0.51	0.00	7.57	0.16	1.29	8.20	0.00	0.00	6.80	0.42	0.84	5.70	-0.63	0.00
2LUN37	6.20	-0.07	0.00	7.64	0.03	0.06	8.07	0.00	0.00	6.79	0.06	0.06	5.53	-0.11	0.00
NMAR8J	6.14	-1.14	1.77	7.71	-0.67	0.84	8.01	-0.49	0.35	6.88	-0.44	0.51	5.47	-0.17	0.26
CJ9MNV	6.18	-0.16	0.08	7.73	-0.12	0.04	8.10	-0.08	0.02	6.74	-0.06	0.04	5.48	-0.03	0.02
BKK2HW	6.10	-0.02	1.35	7.63	-0.38	1.29	8.07	0.64	2.28	6.90	-0.57	1.46	5.57	1.03	1.69
729LA3	6.27	0.00	0.06	8.04	-0.07	0.06	8.40	0.10	0.10	6.95	-0.08	0.10	5.92	0.19	0.10
F74V9R	6.17	0.22	1.30	7.54	0.00	0.46	7.92	-0.21	0.66	6.92	-0.64	0.15	5.56	0.11	0.20
4Z6AEV	6.21	0.03	0.06	7.80	0.00	0.02	8.24	-0.03	0.03	6.99	-0.09	0.01	5.51	0.02	0.01
6P2GLV	6.11	-0.24	0.82	7.47	0.38	0.72	7.87	-0.60	0.70	6.80	0.00	0.37	5.46	-0.26	0.49
TK6TZ7	6.27	-0.03	0.04	7.75	0.07	0.03	7.99	-0.09	0.03	6.88	0.00	0.03	5.55	-0.05	0.03
JYG73E	6.65	0.07	0.00	7.74	0.51	0.00	8.05	0.00	0.00	6.75	-1.01	0.00	6.02	-0.18	0.00
QMYWF9	6.25	0.01	0.00	7.59	0.09	0.00	8.03	0.00	0.00	6.95	-0.14	0.00	6.02	-0.03	0.00
UXB468	6.25	-0.51	2.33	7.75	-0.02	1.29	8.15	-0.21	1.32	6.98	0.17	0.00	5.57	0.30	0.98
MZ2YRE	6.20	-0.07	0.10	7.63	0.00	0.06	8.06	-0.03	0.06	6.81	0.02	0.00	5.49	0.05	0.06
JFLDGG	6.08	0.73		7.25	2.19		7.68	1.93		7.00	0.54		5.24	2.25	
YJVWV3	5.92	0.10	0.00	7.74	0.40	0.00	8.00	0.30	0.00	6.92	0.07	0.00	5.32	0.41	0.00
4P4LMY	6.19	0.00	0.62	7.54	-0.51	0.72	7.92	-1.18	0.66	6.92	0.30	0.69	5.50	0.26	0.59
ADR88T	6.06	0.00	0.03	7.80	-0.09	0.03	8.24	-0.18	0.03	6.99	0.04	0.05	5.50	0.05	0.03
		0.27	0.27	7.80	0.90	0.26	8.24	0.90	0.23	6.99	0.86	0.08	5.50	0.00	0.35
		0.04	0.01	7.80	0.17	0.01	8.24	0.14	0.01	6.99	0.12	0.01	5.51	0.00	0.02
		-0.41	0.13	7.47	-0.92	0.26	7.87	-1.48	0.00	6.80	-0.57	0.00	5.46	-0.30	0.00
		-0.06	0.01	7.47	-0.17	0.01	7.87	-0.23	0.00	6.80	-0.08	0.00	5.46	-0.05	0.00
		0.73	1.46	7.75	0.60	0.56	7.99	-0.69	0.95	6.88	0.05	1.22	5.55	0.20	0.74
		0.10	0.06	7.75	0.11	0.03	7.99	-0.11	0.04	6.88	0.01	0.08	5.55	0.04	0.04
		3.49	0.47	7.74	0.56	0.39	8.05	-0.30	0.35	6.75	-0.94	0.15	6.02	2.79	0.43
		0.48	0.02	7.74	0.10	0.02	8.05	-0.05	0.02	6.75	-0.13	0.01	6.02	0.50	0.03
		0.56	1.41	7.59	-0.27	2.06	8.03	-0.43	2.06	6.95	0.52	0.30	6.02	2.79	2.59
		0.08	0.06	7.59	-0.05	0.09	8.03	-0.07	0.09	6.95	0.07	0.02	6.02	0.50	0.15
		0.56	0.54	7.75	0.61	0.67	8.15	0.30	0.48	6.98	0.79	0.45	5.57	0.31	0.45
		0.08	0.02	7.75	0.11	0.03	8.15	0.05	0.02	6.98	0.11	0.03	5.57	0.06	0.03
		0.22	0.23	7.63	-0.02	0.13	8.06	-0.26	0.23	6.81	-0.49	0.15	5.49	-0.11	0.10
		0.03	0.01	7.63	0.00	0.01	8.06	-0.04	0.01	6.81	-0.07	0.01	5.49	-0.02	0.01
		-0.63	1.41	7.25	-2.10	1.34	7.68	-2.68	1.38	7.00	0.94	1.19	5.24	-1.51	1.55
		-0.09	0.06	7.25	-0.39	0.06	7.68	-0.42	0.06	7.00	0.13	0.08	5.24	-0.27	0.09
		-1.79	1.15	7.39	-1.32	2.25	8.10	0.00	1.05	6.61	-1.95	0.59	5.32	-1.05	1.42
		-0.25	0.05	7.39	-0.24	0.10	8.10	0.00	0.05	6.61	-0.26	0.04	5.32	-0.19	0.08
		0.17	0.13	7.83	1.05	0.22	8.25	0.94	0.35	7.03	1.11	0.45	5.50	-0.06	0.10
		0.02	0.01	7.83	0.19	0.01	8.25	0.15	0.02	7.03	0.15	0.03	5.50	-0.01	0.01
		-0.80	0.23	7.63	-0.05	0.13	8.13	0.19	0.23	6.72	-1.16	0.15	5.44	-0.42	0.20
		-0.11	0.01	7.63	-0.01	0.01	8.13	0.03	0.01	6.72	-0.16	0.01	5.44	-0.08	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		
PECGCD	6.17	-0.02	1.35	7.70	0.34	0.00	8.13	0.21	1.32	7.03	1.16	0.84	5.57	0.30	0.98
		0.00	0.06		0.06	0.00		0.03	0.06		0.16	0.06		0.05	0.06
Q49NHD	6.14	-0.19	0.13	7.70	0.33	0.13	8.13	0.17	0.70	7.00	0.94	0.08	5.49	-0.15	0.10
		-0.03	0.01		0.06	0.01		0.03	0.03		0.13	0.01		-0.03	0.01
FKAQUE	6.11	-0.41	0.36	7.66	0.11	0.78	8.12	0.13	0.23	6.87	-0.02	0.08	5.53	0.09	0.34
		-0.06	0.02		0.02	0.04		0.02	0.01		0.00	0.01		0.02	0.02
KL8QVA	6.07	-0.70	0.49	7.63	-0.04	1.18	8.09	-0.09	0.70	6.75	-0.96	0.37	5.34	-0.94	0.43
		-0.10	0.02		-0.01	0.05		-0.01	0.03		-0.13	0.03		-0.17	0.03
PQMPE7	6.20	0.22	0.00	7.60	-0.20	0.00	8.10	0.00	0.00	6.90	0.17	0.00	5.60	0.48	0.00
		0.03	0.00		-0.04	0.00		0.00	0.00		0.02	0.00		0.09	0.00
KF2UCA	6.40	1.65	0.73	7.40	-1.26	0.39	7.56	-3.46	1.40	6.87	-0.08	2.72	5.77	1.43	1.61
		0.23	0.03		-0.23	0.02		-0.54	0.06		-0.01	0.19		0.26	0.10
394EVR	6.27	0.70	1.35	7.73	0.52	2.57	8.20	0.64	0.00	6.97	0.66	1.69	5.53	0.11	0.98
		0.10	0.06		0.10	0.12		0.10	0.00		0.09	0.12		0.02	0.06
U2QVVZ	6.08	-0.63	1.15	7.32	-1.72	2.74	7.82	-1.78	1.30	6.70	-1.28	0.97	5.45	-0.33	1.48
		-0.09	0.05		-0.32	0.12		-0.28	0.06		-0.17	0.07		-0.06	0.09
YJCQYX	6.13	-0.27	1.35	7.70	0.34	0.00	8.07	-0.21	1.32	6.93	0.42	0.84	5.50	-0.07	
		-0.04	0.06		0.06	0.00		-0.03	0.06		0.06	0.06		-0.01	0.00
2YGYQX	6.19	0.17	1.69	7.79	0.83	0.39	8.22	0.75	0.35	6.88	0.00	0.37	5.56	0.24	0.70
		0.02	0.07		0.15	0.02		0.12	0.02		0.00	0.03		0.04	0.04
DRWZ3L	6.27	0.70	1.35	7.37	-1.46	1.29	7.73	-2.36	1.32	6.70	-1.30	5.06	6.50	5.47	1.69
		0.10	0.06		-0.27	0.06		-0.37	0.06		-0.18	0.35		0.99	0.10
7U92AR	6.23	0.44	0.40	7.60	-0.22	0.84	8.07	-0.19	1.21	6.83	-0.34	0.89	5.57	0.30	1.57
		0.06	0.02		-0.04	0.04		-0.03	0.05		-0.05	0.06		0.05	0.09
NMBMTA	6.16	-0.05	2.20	7.08	-3.02	2.45	7.62	-3.07	1.74	6.86	-0.15	1.11	5.63	0.63	1.19
		-0.01	0.09		-0.56	0.11		-0.48	0.08		-0.02	0.08		0.11	0.07
7C8GAJ	6.16	-0.10	1.20	7.71	0.40	0.22	8.11	0.06	0.40	6.89	0.12	0.30	5.48	-0.20	0.52
		-0.01	0.05		0.07	0.01		0.01	0.02		0.02	0.02		-0.04	0.03
HBX9B8	6.10	-0.51	0.00	7.57	-0.38	1.29	8.10	0.00	0.00	6.93	0.42	0.84	5.60	0.48	1.69
		-0.07	0.00		-0.07	0.06		0.00	0.00		0.06	0.06		0.09	0.10
729JLJ	6.28	0.80	0.62	7.82	0.99	0.89	8.22	0.77	0.40	6.96	0.62	0.81	5.57	0.33	0.39
		0.11	0.03		0.18	0.04		0.12	0.02		0.08	0.06		0.06	0.02
FZ2NVA	5.77	-2.91	0.00	7.52	-0.65	0.34	8.06	-0.26	0.00	6.63	-1.82	0.44	5.33	-1.03	0.20
		-0.40	0.00		-0.12	0.02		-0.04	0.00		-0.25	0.03		-0.19	0.01
Grand Median		6.17		7.64			8.10			6.88			5.51		
Median Abs Dev		0.07		0.09			0.05			0.08			0.05		
Avg Within Lab SD		0.04		0.04			0.04			0.07			0.06		
Labs Included		59		59			59			59			59		
Labs Reporting		59		59			59			59			59		



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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
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
NLDBVL	6.23	0.22	0.20	7.87	1.48	0.25	8.39	0.82	0.16	6.96	0.16	0.14	5.59	-0.06	0.13	
		0.06	0.02		0.26	0.03		0.27	0.02		0.05	0.02		-0.02	0.04	
QRTWTH	6.15	-0.05	0.83	7.68	0.39	0.20	8.31	0.58	0.41	7.01	0.31	0.09	5.56	-0.14	0.07	
		-0.01	0.07		0.07	0.02		0.19	0.05		0.10	0.01		-0.05	0.02	
49HZ39	6.12	-0.16	0.11	7.61	0.02	0.20	8.18	0.16	0.20	6.87	-0.11	0.45	5.50	-0.31	0.14	
		-0.05	0.01		0.00	0.02		0.05	0.03		-0.04	0.05		-0.11	0.04	
HBXDMV	5.90	-0.91	1.15	7.60	-0.06	0.98	8.27	0.44	0.47	6.50	-1.26		5.23	-1.08	0.19	
		-0.27	0.10		-0.01	0.10		0.14	0.06		-0.41	0.00		-0.38	0.06	
KXG7ZU	6.09	-0.25	0.85	7.89	1.59	0.63	8.00	-0.38	1.97	7.17	0.81	0.45	5.78	0.48	0.30	
		-0.07	0.07		0.28	0.06		-0.12	0.24		0.26	0.05		0.17	0.09	
BAQLTV	5.73	-1.49		7.53	-0.45		6.75	-4.20		5.68	-3.77		5.80	0.54		
		-0.44	0.00		-0.08	0.00		-1.37	0.00		-1.23	0.00		0.19	0.00	
B6T2QW	6.17	0.00	0.66	7.57	-0.24	0.57	8.20	0.23	0.81	6.80	-0.34	0.92	5.67	0.16	0.19	
		0.00	0.06		-0.04	0.06		0.08	0.10		-0.11	0.10		0.06	0.06	
Y82F73	6.00	-0.56	1.55	7.58	-0.19	0.97	8.01	-0.35	1.84	6.54	-1.13	2.17	5.26	-1.02	0.75	
		-0.16	0.14		-0.03	0.10		-0.11	0.23		-0.37	0.24		-0.35	0.23	
JFLDGG	6.41	0.83	1.38	7.70	0.49	0.30	8.03	-0.28	0.12	6.97	0.20	0.29	5.51	-0.28	0.38	
		0.24	0.12		0.09	0.03		-0.09	0.02		0.06	0.03		-0.10	0.12	
XKPZB6	6.30	0.45	0.69	7.62	0.04	0.64	8.07	-0.15	0.54	7.00	0.29	0.28	5.65	0.11	0.14	
		0.13	0.06		0.01	0.07		-0.05	0.07		0.09	0.03		0.04	0.04	
NDHCHE	7.23	3.64	1.75	7.60	-0.06	2.60	8.30	0.54	2.81	7.33	1.30	1.40	6.90	3.70	0.33	
		1.07	0.15		-0.01	0.26		0.18	0.35		0.42	0.15		1.29	0.10	
4QY6PZ	5.97	-0.68	1.75	7.60	-0.06	0.98	8.03	-0.28	0.47	6.83	-0.23	0.53	5.50	-0.32		
		-0.20	0.15		-0.01	0.10		-0.09	0.06		-0.08	0.06		-0.11	0.00	
KF2UCA	6.26	0.32	0.48	7.39	-1.23	1.26	7.94	-0.56	1.32	6.91	0.00	1.70	5.86	0.70	0.32	
		0.09	0.04		-0.22	0.13		-0.18	0.16		0.00	0.19		0.25	0.10	
U2QVVZ	6.18	0.06	0.40	7.46	-0.84	0.97	8.00	-0.37	0.09	6.76	-0.46	0.87	5.52	-0.27	0.08	
		0.02	0.04		-0.15	0.10		-0.12	0.01		-0.15	0.10		-0.09	0.03	
486TGQ	6.14	-0.08	0.24	7.74	0.75	0.20	8.41	0.87	0.05	6.87	-0.13	0.11	5.50	-0.32	0.06	
		-0.02	0.02		0.13	0.02		0.28	0.01		-0.04	0.01		-0.11	0.02	
DLVLGJ	6.12	-0.16		7.80	1.07		8.41	0.88		6.75	-0.49		5.57	-0.12		
		-0.05	0.00		0.19	0.00		0.29	0.00		-0.16	0.00		-0.04	0.00	
97UHQN	6.80	2.15	0.35	7.70	0.51	0.52	8.12	0.00	0.12	7.21	0.91	0.19	6.50	2.56	0.08	
		0.63	0.03		0.09	0.05		0.00	0.02		0.30	0.02		0.89	0.03	
NJAJ39	6.49	1.11	0.07	7.84	1.31	0.11	8.39	0.82	0.08	7.16	0.76	0.05	6.42	2.31	3.80	
		0.33	0.01		0.23	0.01		0.27	0.01		0.25	0.01		0.81	1.15	
ATNL8M	6.35	0.64	0.07	8.03	2.34	0.25	8.69	1.72	0.34	7.12	0.65	0.27	5.61	-0.01	0.02	
		0.19	0.01		0.42	0.03		0.56	0.04		0.21	0.03		0.00	0.01	
NMBMTA	6.30	0.47	1.09	7.33	-1.57	1.20	7.89	-0.71	0.74	7.06	0.46	1.08	5.74	0.36	0.19	
		0.14	0.10		-0.28	0.12		-0.23	0.09		0.15	0.12		0.13	0.06	



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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		
FFW7K9	6.21	0.16	0.29	7.61	0.00	0.69	8.18	0.18	0.54	6.95	0.13	0.47	5.69	0.22	0.96
		0.05	0.03		0.00	0.07		0.06	0.07		0.04	0.05		0.08	0.29
JQ9CA8	5.86	-1.04	2.65	7.51	-0.58	2.67	8.01	-0.34	1.87	6.56	-1.06	3.07	5.77	0.45	2.54
		-0.30	0.23		-0.10	0.27		-0.11	0.23		-0.35	0.34		0.16	0.77
7RJXFK	6.14	-0.10	0.05	7.56	-0.26	0.18	7.90	-0.68	0.02	6.73	-0.55	0.02	5.61	0.00	0.02
		-0.03	0.00		-0.05	0.02		-0.22	0.00		-0.18	0.00		0.00	0.00
Grand Median		6.17		7.61		8.12		6.91		5.61					
Median Abs Dev		0.13		0.09		0.14		0.15		0.11					
Avg Within Lab SD		0.09		0.10		0.12		0.11		0.30					
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		

pH (1:1) 0.01M CaCl ₂ (SubTestCode 117)		in the Soil pH & EC Property Groups										Data units: Unit			
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
M9QMKW	5.74	-0.16	0.28	7.13	-2.06	1.15	7.49	-2.32	2.87	6.01	-1.28	1.61	5.14	0.18	1.99
NLDBVL	5.68	-0.02	0.01	7.50	-0.31	0.07	7.89	-0.34	0.18	6.15	-0.14	0.08	5.07	0.02	0.11
QRTWTH	5.66	-0.75	0.37	7.26	0.38	0.34	7.73	0.40	0.00	6.28	-0.03	0.24	5.06	-0.35	0.28
7ZD6W6	5.69	-0.08	0.02	7.53	0.06	0.02	7.86	0.06	0.00	6.11	0.00	0.01	5.05	-0.05	0.02
3MY Y89	5.78	-0.91	1.58	7.37	-1.18	0.19	7.78	-0.70	0.52	6.18	1.19	0.94	5.12	-0.38	0.38
YZZZJF	5.74	-0.09	0.07	7.45	-0.18	0.01	7.83	-0.10	0.03	6.10	0.13	0.05	5.11	-0.05	0.02
KXG7ZU	5.75	-0.59	0.50	7.39	0.62	0.25	7.84	0.18	0.25	6.01	-0.40	0.24	5.08	-0.48	0.18
W9HRV9	5.86	-0.06	0.02	7.48	0.09	0.02	7.83	0.03	0.02	6.26	-0.04	0.01	5.21	-0.06	0.01
NDLV7H	5.81	0.25	0.40	7.59	-0.49	0.53	7.93	-0.36	0.19	6.16	0.30	0.24	5.14	0.05	0.37
XFBKG8	5.78	0.03	0.02	7.36	-0.07	0.03	7.82	-0.05	0.01	6.27	0.03	0.01	5.17	0.01	0.02
NMAR8J	5.73	-0.10	0.37	7.46	0.04	0.50	7.73	0.00	0.56	6.11	-0.43	0.48	5.07	0.00	1.05
C7JPMX	5.72	-0.01	0.02	7.44	0.01	0.03	7.88	0.00	0.03	6.20	-0.05	0.02	5.08	0.00	0.06
4Z6AEV	5.81	0.00	1.19	7.48	-0.33	1.18	7.88	0.09	0.65	6.25	-1.25	0.52	5.04	-0.23	0.21
JYG73E	6.11	0.00	0.05	7.48	-0.05	0.07	7.75	0.01	0.04	6.15	-0.14	0.03	5.54	-0.03	0.01
KF2UCA	5.78	1.01	0.50	7.22	0.04	0.87	7.46	0.00	0.74	6.12	0.97	0.52	5.38	0.73	0.55
394EVR	5.80	0.10	0.02	7.40	0.04	0.05	7.87	0.00	0.05	6.20	0.11	0.03	5.20	0.10	0.03
U2QVVZ	5.60	0.59	0.85	7.11	1.02	0.74	7.52	0.67	0.65	5.94	0.09	0.21	4.93	0.20	0.92
		0.06	0.04		0.15	0.05		0.10	0.04		0.01	0.01		0.03	0.05
		0.23	1.81		-0.53	0.72		-0.04	0.25		1.10	1.78		0.43	0.32
		0.02	0.08		-0.08	0.04		-0.01	0.02		0.12	0.09		0.06	0.02
		-0.26	0.37		0.13	0.59		-0.65	0.92		-0.37	0.62		-0.33	0.32
		-0.03	0.02		0.02	0.04		-0.10	0.06		-0.04	0.03		-0.04	0.02
		-0.33	0.64		0.00	0.72		0.31	0.47		0.43	0.83		-0.23	0.95
		-0.03	0.03		0.00	0.04		0.05	0.03		0.05	0.04		-0.03	0.05
		0.55	0.64		0.24	0.47		0.34	0.43		0.94	0.52		-0.58	0.38
		0.06	0.03		0.04	0.03		0.05	0.03		0.10	0.03		-0.08	0.02
		3.53	0.37		0.24	0.25		-0.54	0.32		0.00	0.21		3.22	0.49
		0.36	0.02		0.04	0.02		-0.08	0.02		0.00	0.01		0.43	0.03
		0.28	2.14		-1.44	1.53		-2.51	2.01		-0.29	1.69		2.03	2.44
		0.03	0.09		-0.22	0.09		-0.37	0.12		-0.03	0.08		0.27	0.13
		0.46	0.00		-0.27	2.84		0.25	0.93		0.46	0.00		0.65	0.00
		0.05	0.00		-0.04	0.17		0.04	0.06		0.05	0.00		0.09	0.00
		-1.47	1.55		-2.22	0.38		-2.09	0.58		-1.95	2.26		-1.41	1.70
		-0.15	0.06		-0.33	0.02		-0.31	0.04		-0.21	0.11		-0.19	0.09
Grand Median		5.75		7.44			7.83			6.15			5.11		
Median Abs Dev		0.05		0.06			0.05			0.05			0.05		
Avg Within Lab SD		0.04		0.06			0.06			0.05			0.05		
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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
QRTWTH	5.65	-1.14	0.18	7.31	-0.42	0.09	7.78	0.02	0.49	6.08	-0.73	0.00	5.03	-1.16	0.14
		-0.14	0.02		-0.07	0.01		0.01	0.03		-0.09	0.00		-0.11	0.01
KXG7ZU	5.74	-0.39	0.18	7.31	-0.40	0.13	7.68	-0.31	1.10	6.08	-0.75	0.11	5.19	0.49	1.46
		-0.05	0.02		-0.06	0.02		-0.09	0.07		-0.09	0.01		0.05	0.06
JFLDGG	5.80	0.13	0.57	7.37	-0.04	0.50	7.32	-1.56	2.13	6.05	-0.94	1.75	5.03	-1.16	0.27
		0.02	0.06		-0.01	0.07		-0.45	0.14		-0.12	0.09		-0.11	0.01
FKAQUE	5.75	-0.34	0.06	7.45	0.48	0.24	7.89	0.43	0.18	6.14	-0.26	0.11	5.18	0.39	0.41
		-0.04	0.01		0.07	0.03		0.12	0.01		-0.03	0.01		0.04	0.02
KF2UCA	5.78	-0.10	0.80	7.38	0.04	3.05	7.34	-1.48	0.89	6.20	0.27	0.63	5.31	1.75	1.42
		-0.01	0.08		0.01	0.41		-0.43	0.06		0.03	0.03		0.17	0.06
U2QVVZ	5.66	-1.03	0.06	7.20	-1.11	0.27	7.59	-0.62	1.33	6.00	-1.35	0.68	5.09	-0.56	2.03
		-0.12	0.01		-0.17	0.04		-0.18	0.09		-0.17	0.04		-0.05	0.09
486TGQ	5.92	1.07	1.86	7.60	1.46	0.07	8.08	1.07	0.26	6.20	0.26	0.19	5.12	-0.28	0.59
		0.13	0.18		0.23	0.01		0.31	0.02		0.03	0.01		-0.03	0.03
97UHQN	5.84	0.41	0.06	7.31	-0.38	0.22	7.76	-0.02	0.98	6.31	1.19	0.11	5.16	0.18	0.47
		0.05	0.01		-0.06	0.03		-0.01	0.06		0.15	0.01		0.02	0.02
ATNL8M	6.03	2.03	2.34	7.62	1.61	0.49	8.10	1.13	0.62	6.26	0.73	2.45	5.13	-0.18	0.95
		0.25	0.23		0.25	0.07		0.33	0.04		0.09	0.13		-0.02	0.04
HBX9B8	5.80	0.10	0.00	7.50	0.82		7.80	0.10	0.00	6.20	0.26	0.00	5.20	0.60	0.00
		0.01	0.00		0.13	0.00		0.03	0.00		0.03	0.00		0.06	0.00
Grand Median		5.79		7.37			7.77			6.17			5.14		
Median Abs Dev		0.05		0.07			0.15			0.09			0.05		
Avg Within Lab SD		0.10		0.13			0.07			0.05			0.04		
Labs Included		10		10			10			10			10		
Labs Reporting		10		10			10			10			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		

Soil EC (1:5) H2O (SubTestCode 119)	in the Soil pH & EC Property Groups										Data units: dS/m
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
Y82F73	0.10	0.84	0.31	0.77	0.52	1.29	0.06	1.30	0.12	1.37	
		0.00		0.01		0.02		0.01		0.00	
XKPZB6	0.09	1.14	0.35	1.18	0.55	0.58	0.06	0.56	0.11	0.36	
		0.01		0.01		0.01		0.00		0.00	
Grand Median	0.10		0.33		0.54		0.057		0.11		
Median Abs Dev											
Avg Within Lab SD	0.01		0.01		0.01		0.005		0.00		
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	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
M9QMKW	7.11	1.55	0.26	7.57	1.37	1.31	7.56	0.09	2.17	7.31	0.87	0.74	6.97	0.94	1.10		
		0.32	0.01		0.12	0.03		0.01	0.06		0.12	0.02		0.19	0.04		
NLDBVL	6.47	-1.57	0.68	7.43	-0.24	0.67	7.61	0.53	0.60	7.00	-1.38	2.11	6.49	-1.50	0.44		
		-0.32	0.03		-0.02	0.02		0.05	0.02		-0.19	0.04		-0.30	0.02		
QRTWTH	6.75	-0.20	0.78	7.47	0.24	1.31	7.63	0.77	0.39	7.23	0.30	0.28	6.76	-0.11	0.58		
		-0.04	0.03		0.02	0.03		0.08	0.01		0.04	0.01		-0.02	0.02		
E7WXNW	6.78	-0.04	0.79	7.46	0.09	2.07	7.59	0.33	1.39	7.02	-1.23	1.28	6.82	0.18	0.89		
		-0.01	0.03		0.01	0.05		0.03	0.04		-0.17	0.03		0.04	0.03		
YZZZJF	6.95	0.79	0.39	7.63	2.04	0.44	7.77	2.25	0.23	7.35	1.14	1.74	6.97	0.96	0.77		
		0.16	0.02		0.18	0.01		0.22	0.01		0.16	0.04		0.19	0.03		
W9HRV9	6.74	-0.25	0.00	7.55	1.18	0.25	7.66	1.05	0.23	7.04	-1.09	0.00	6.61	-0.86	0.17		
		-0.05	0.00		0.11	0.01		0.10	0.01		-0.15	0.00		-0.17	0.01		
B6T2QW	7.09	1.45	0.00	7.39	-0.66	0.00	7.46	-1.01	2.28	7.19	-0.01	0.00	6.96	0.89	1.67		
		0.30	0.00		-0.06	0.00		-0.10	0.06		0.00	0.00		0.18	0.06		
2LUN37	6.98	0.90	2.51	7.45	0.06	1.77	7.55	-0.09	0.82	7.32	0.92	0.84	7.01	1.16	0.29		
		0.19	0.10		0.01	0.04		-0.01	0.02		0.13	0.02		0.23	0.01		
NMAR8J	6.75	-0.20	1.03	7.42	-0.28	0.51	7.53	-0.22	0.23	7.12	-0.49	1.48	6.73	-0.26	0.87		
		-0.04	0.04		-0.03	0.01		-0.02	0.01		-0.07	0.03		-0.05	0.03		
JYG73E	6.95	0.77	0.68	7.44	-0.06	0.51	7.48	-0.74	0.60	7.18	-0.11	0.56	6.90	0.60	0.77		
		0.16	0.03		-0.01	0.01		-0.07	0.02		-0.02	0.01		0.12	0.03		
MZ2YRE	6.85	0.27	0.15	7.35	-1.11	0.00	7.51	-0.43	0.23	7.19	0.01	0.28	6.69	-0.47	0.29		
		0.06	0.01		-0.10	0.00		-0.04	0.01		0.00	0.01		-0.09	0.01		
FKAQUE	6.78	-0.04	0.15	7.47	0.24	0.44	7.60	0.43	0.23	7.22	0.23	0.28	6.80	0.08	0.17		
		-0.01	0.01		0.02	0.01		0.04	0.01		0.03	0.01		0.02	0.01		
WWRYLZ	6.51	-1.37	2.05	7.33	-1.33	1.31	7.46	-0.94	0.60	6.97	-1.59	0.97	6.51	-1.36	1.93		
		-0.28	0.08		-0.12	0.03		-0.09	0.02		-0.22	0.02		-0.27	0.07		
HBX9B8	6.80	0.04	0.00	7.40	-0.54	0.00	7.50	-0.57		7.20	0.06	0.00	6.77	-0.08	1.67		
		0.01	0.00		-0.05	0.00		-0.06	0.00		0.01	0.00		-0.02	0.06		
Grand Median		6.79			7.45			7.56			7.19			6.78			
Median Abs Dev		0.11			0.04			0.05			0.10			0.14			
Avg Within Lab SD		0.04			0.02			0.03			0.02			0.03			
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		

Sikora Buffer pH (SubTestCode 122)	in the Buffer pH, Lime Requirement Property Groups															Data units: Unit	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
6LYFJD	6.83	-0.61	1.62	7.30	-1.06	0.00	7.40	-1.23	0.00	7.10	-0.93	0.00	6.83	0.15	1.47		
		-0.08	0.06		-0.10	0.00		-0.14	0.00		-0.11	0.00		0.03	0.06		
JGWHQY	6.90	-0.12	0.00	7.30	-1.06	0.00	7.50	-0.35		7.10	-0.93	0.00	6.30	-2.29	0.00		
		-0.02	0.00		-0.10	0.00		-0.04	0.00		-0.11	0.00		-0.50	0.00		
7ZD6W6	6.90	-0.10	0.43	7.42	0.18	0.23	7.52	-0.15	0.21	7.21	0.06	0.52	6.75	-0.24	0.53		
		-0.01	0.02		0.02	0.01		-0.02	0.01		0.01	0.01		-0.05	0.02		
G79EWV	7.00	0.61		7.00	-4.22		7.00	-4.76		7.00	-1.80		6.93	0.61	1.47		
		0.08	0.00		-0.40	0.00		-0.54	0.00		-0.21	0.00		0.13	0.06		
49HZ39	6.83	-0.61	1.44	7.42	0.25	2.46	7.57	0.26	1.57	7.33	1.07	1.55	6.99	0.86	0.15		
		-0.08	0.05		0.02	0.06		0.03	0.04		0.12	0.02		0.19	0.01		
TJAAWJ	7.08	1.20	0.49	7.46	0.67	0.23	7.57	0.26	0.72	7.35	1.22	1.04	7.00	0.90	0.29		
		0.16	0.02		0.06	0.01		0.03	0.02		0.14	0.01		0.20	0.01		
9NWXA4	6.83	-0.61	1.62	7.40	0.00	0.00	7.60	0.53	0.00	7.20	-0.06	0.00	6.77	-0.15	1.47		
		-0.08	0.06		0.00	0.00		0.06	0.00		-0.01	0.00		-0.03	0.06		
XFBKG8	6.85	-0.49	0.97	7.35	-0.49	0.23	7.54	-0.03	0.21	7.19	-0.12	1.87	6.73	-0.32	1.35		
		-0.07	0.03		-0.05	0.01		0.00	0.01		-0.01	0.02		-0.07	0.05		
B6T2QW	7.07	1.10	1.62	7.40	0.00	0.00	7.47	-0.65	2.08	7.20	-0.06	0.00	6.97	0.76	1.47		
		0.15	0.06		0.00	0.00		-0.07	0.06		-0.01	0.00		0.17	0.06		
NMAR8J	6.91	-0.07	0.86	7.48	0.84	2.45	7.59	0.41	0.90	7.22	0.12	2.69	6.81	0.06	0.89		
		-0.01	0.03		0.08	0.06		0.05	0.03		0.01	0.03		0.01	0.04		
729LA3	7.30	2.81		7.63	2.43		7.70	1.41		7.51	2.64		6.85	0.23			
		0.38	0.00		0.23	0.00		0.16	0.00		0.30	0.00		0.05	0.00		
F74V9R	6.94	0.15	0.58	7.38	-0.21	0.40	7.51	-0.29	0.21	7.24	0.26	1.37	6.80	-0.02	0.29		
		0.02	0.02		-0.02	0.01		-0.03	0.01		0.03	0.02		0.00	0.01		
4Z6AEV	6.93	0.07	0.43	7.42	0.25	0.46	7.53	-0.06	1.04	7.21	0.06	1.04	6.78	-0.11	0.64		
		0.01	0.02		0.02	0.01		-0.01	0.03		0.01	0.01		-0.02	0.03		
QMYWF9													7.49	3.17	1.55		
														0.69	0.06		
4P4LMY	6.82	-0.69	0.16	7.40	-0.04	0.23	7.57	0.29	0.21	7.20	-0.09	0.52	6.63	-0.80	0.15		
		-0.09	0.01		0.00	0.01		0.03	0.01		-0.01	0.01		-0.17	0.01		
PECGCD	6.93	0.12	1.62	7.37	-0.35	2.32	7.47	-0.65	2.08	7.20	-0.06	0.00	6.83	0.15	1.47		
		0.02	0.06		-0.03	0.06		-0.07	0.06		-0.01	0.00		0.03	0.06		
Q49NHD	6.93	0.07	0.32	7.41	0.11	0.00	7.54	0.03	0.21	7.21	0.06	0.52	6.73	-0.31	0.29		
		0.01	0.01		0.01	0.00		0.00	0.01		0.01	0.01		-0.07	0.01		
PQMPE7	7.00	0.61		7.40	0.00	0.00	7.60	0.53	0.00	7.30	0.81	0.00	6.80	0.00	0.00		
		0.08	0.00		0.00	0.00		0.06	0.00		0.09	0.00		0.00	0.00		
YJCQYX	6.63	-2.08	1.62	7.40	0.00	0.00	7.57	0.24	2.08	7.00	-1.80		6.43	-1.68	1.47		
		-0.28	0.06		0.00	0.00		0.03	0.06		-0.21	0.00		-0.37	0.06		



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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		6.92			7.40			7.54			7.21			6.80	
Median Abs Dev		0.08			0.02			0.04			0.02			0.07	
Avg Within Lab SD		0.04			0.02			0.03			0.01			0.04	
Labs Included		18			18			18			18			19	
Labs Reporting		18			18			18			18			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		

Adams-Evans Buffer pH (SubTestCode 123)			in the Buffer pH, Lime Requirement Property Groups										Data units: Unit		
	SRSSRS1506		SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
P4A2NU	7.52	-0.89	0.26										7.50	-0.11	0.00
		-0.08	0.01											-0.01	1.61
M9QMKW	7.77	1.94	1.60	7.83	1.57	1.60	7.77	0.98	0.89	7.86	1.73	1.47	7.73	2.33	0.04
		0.17	0.04		0.06	0.02		0.01	0.01		0.10	0.02		0.22	0.46
YZZZJF	7.57	-0.31	0.26	7.76	-0.31	0.93	7.73	-1.72	1.03	7.73	-0.67	1.11	7.51	0.00	0.01
		-0.03	0.01		-0.01	0.01		-0.02	0.01		-0.04	0.01		0.00	0.01
D4AZWT	7.62	0.23	1.21	7.78	0.31	0.53	7.76	0.00	1.37	7.77	0.15	0.55	7.57	0.68	0.53
		0.02	0.03		0.01	0.01		0.00	0.02		0.01	0.01		0.06	0.01
TK6TZ7	7.60	0.00	0.91	7.75	-0.49	0.53	7.76	0.00	0.52	7.76	-0.15	0.55	7.49	-0.25	0.96
		0.00	0.02		-0.02	0.01		0.00	0.01		-0.01	0.01		-0.02	0.02
Grand Median		7.60		7.77			7.76			7.77			7.51		
Median Abs Dev		0.03		0.02			0.01			0.02			0.02		
Avg Within Lab SD		0.02		0.01			0.01			0.01			0.02		
Labs Included		5		4			4			4			5		
Labs Reporting		5		4			4			4			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		

Woodruff Buffer pH (SubTestCode 124)	in the Buffer pH, Lime Requirement Property Groups															Data units: Unit
	SRSSRS1506	SRSSRS1507	SRSSRS1508	SRSSRS1509	SRSSRS1510		SRSSRS1510		SRSSRS1510		SRSSRS1510		SRSSRS1510		SRSSRS1510	
M9QMKW	6.82	1.41	2.23	7.14	-0.22	0.40	7.13	0.00	0.93	6.96	0.94	1.92	6.75	1.24	0.80	
		0.13	0.06		-0.01	0.01		0.00	0.02		0.04	0.05		0.10	0.03	
NLDBVL	6.58	-1.36	0.80	7.28	2.10	0.87	7.40	3.81	1.44	6.90	-0.29	1.27	6.60	-0.74	1.78	
		-0.12	0.02		0.13	0.03		0.26	0.03		-0.01	0.04		-0.06	0.06	
7ZD6W6	6.70	-0.02	0.45	7.09	-1.09	0.15	7.17	0.57	0.20	6.93	0.38	0.16	6.57	-1.01	0.44	
		0.00	0.01		-0.07	0.00		0.04	0.00		0.02	0.00		-0.08	0.02	
3MY89	6.65	-0.50	0.22	7.18	0.33	0.20	7.14	0.05	0.26	6.87	-0.94	0.21	6.60	-0.69	0.00	
		-0.04	0.01		0.02	0.01		0.00	0.01		-0.04	0.01		-0.06	0.00	
YZZZJF	6.65	-0.54	0.77	7.16	0.00	0.72	7.12	-0.14	0.52	6.89	-0.65	1.37	6.66	0.11	1.28	
		-0.05	0.02		0.00	0.02		-0.01	0.01		-0.03	0.04		0.01	0.05	
JR33FL	6.70	0.02	0.00										6.67	0.15	1.60	
		0.00	0.00											0.01	0.06	
W9HRV9	6.77	0.81	1.34	7.18	0.39	2.39	7.15	0.29	1.29	6.92	0.00	0.21	6.69	0.44	0.96	
		0.07	0.03		0.02	0.07		0.02	0.03		0.00	0.01		0.04	0.03	
XFBKG8	6.68	-0.16	0.89	7.12	-0.66	0.53	7.08	-0.82	0.52	6.88	-0.86	0.84	6.65	-0.11	0.70	
		-0.01	0.02		-0.04	0.02		-0.06	0.01		-0.04	0.02		-0.01	0.03	
4Z6AEV	6.79	1.00	0.59	7.12	-0.66	1.00	7.12	-0.24	1.29	6.98	1.44	0.55	6.56	-1.16	0.42	
		0.09	0.02		-0.04	0.03		-0.02	0.03		0.07	0.02		-0.09	0.02	
JYG73E	6.78	0.92	0.77	7.19	0.61	0.72	7.12	-0.14	1.44	6.94	0.58	0.84	6.74	1.11	0.42	
		0.08	0.02		0.04	0.02		-0.01	0.03		0.03	0.02		0.09	0.02	
Grand Median		6.70		7.16			7.13			6.92			6.66			
Median Abs Dev		0.06		0.04			0.02			0.03			0.06			
Avg Within Lab SD		0.03		0.03			0.02			0.03			0.04			
Labs Included		10		9			9			9			10			
Labs Reporting		10		9			9			9			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		

Mehlich Buffer pH (SubTestCode 125)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
XFBKG8	6.15	-2.22	1.94	6.78	0.78		6.90	0.61		6.39	1.36		6.16	0.09	0.45
		-0.13	0.11		0.01			0.01			0.03			0.00	0.01
394EVR	6.30	0.31	0.00							6.50	0.00		6.20	1.12	0.00
		0.02	0.00								0.00			0.04	0.00
7C8GAJ	6.28	-0.08	0.20	6.71	1.18		6.78	1.27		6.38	1.07		6.11	-1.40	1.55
		-0.01	0.01		0.02			0.02			0.02			-0.05	0.02
729JLJ	6.29	0.08	0.43										6.16	-0.09	1.18
		0.01	0.03											0.00	0.02
Grand Median		6.28			6.74			6.84			6.39			6.16	
Median Abs Dev		0.01												0.02	
Avg Within Lab SD		0.06			0.01			0.02			0.02			0.01	
Labs Included		4			2			2			3			4	
Labs Reporting		4			2			2			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		

NO3-N Cd. Rd. (SubTestCode 126)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg		
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	37.0	-0.2	0.6	98.3	-0.4	0.1	58.8	0.3	0.1	3.5	0.0		39.7	-0.1	0.2
		-1.1	1.0		-7.2	0.3		2.3	0.3		0.0	0.0		-1.0	0.3
M9QMKW	39.3	0.2	1.2	103.1	-0.1	2.3	64.3	1.1	0.6	4.6	0.7	2.0	43.8	0.4	0.8
		1.1	2.0		-2.4	9.9		7.9	1.3		1.1	0.6		3.1	1.2
JGWHQY	33.2	-0.8	0.2	88.3	-1.0	0.1	42.2	-1.9	0.1	8.2	2.9	0.6	35.4	-0.6	0.5
		-4.9	0.3		-17.2	0.3		-14.2	0.3		4.7	0.2		-5.3	0.7
NLDBVL	46.0	1.3	0.3	114.2	0.5	0.7	57.0	0.1	0.4	2.7	-0.5	0.3	45.7	0.6	0.4
		7.8	0.6		8.7	2.8		0.6	1.0		-0.9	0.1		5.0	0.6
CHC7CY	44.8	1.1	0.1	125.7	1.1	0.1	59.5	0.4	0.2	4.0	0.3	0.8	44.1	0.4	0.3
		6.7	0.2		20.2	0.6		3.1	0.6		0.5	0.3		3.5	0.4
QRTWTH	37.7	-0.1	0.6	102.3	-0.2	1.8	54.3	-0.3	0.9	4.9	0.8	1.3	38.8	-0.2	0.8
		-0.5	1.0		-3.2	7.4		-2.1	2.2		1.4	0.4		-1.8	1.2
7ZD6W6	39.3	0.2	2.9	100.6	-0.3	0.6	56.3	0.0	0.9	3.9	0.2	1.3	38.8	-0.2	1.5
		1.1	4.9		-4.9	2.6		-0.1	2.1		0.4	0.4		-1.9	2.3
49HZ39	32.7	-0.9	1.2	89.7	-0.9	0.1	53.7	-0.4	0.2	2.0	-0.9		37.0	-0.4	0.7
		-5.5	2.1		-15.8	0.6		-2.8	0.6		-1.5	0.0		-3.7	1.0
E7WXNW	49.6	1.9	1.2	103.4	-0.1	1.3	61.8	0.7	0.3	6.1	1.6	0.2	25.5	-1.7	0.2
		11.5	2.1		-2.1	5.4		5.4	0.6		2.5	0.1		-15.1	0.4
TJAAWJ	41.0	0.5	0.8	96.9	-0.5	0.4	58.5	0.3	0.5	3.6	0.0	0.3	38.7	-0.2	0.3
		2.8	1.3		-8.6	1.7		2.1	1.2		0.1	0.1		-2.0	0.5
HBXDMV	32.4	-0.9	0.2	75.2	-1.7	0.2	48.2	-1.1	0.1	4.5	0.6		127.0	9.7	1.7
		-5.7	0.4		-30.3	1.0		-8.3	0.3		1.0	0.0		86.3	2.6
CTDWTZ	38.0	0.0	0.6	111.0	0.3	0.6	63.3	0.9	0.2	4.0	0.3		43.3	0.3	0.4
		-0.1	1.0		5.5	2.6		6.9	0.6		0.5	0.0		2.7	0.6
YZZZJF	38.3	0.0	0.6	114.8	0.5	0.1	52.0	-0.6	0.2	3.5	0.0	1.2	44.5	0.4	0.1
		0.1	1.0		9.3	0.3		-4.4	0.6		0.0	0.4		3.8	0.2
Q79WMM	41.8	0.6	0.1	102.4	-0.2	0.7	59.3	0.4	0.2	6.1	1.6	0.3	38.6	-0.2	0.3
		3.6	0.2		-3.1	2.8		2.9	0.4		2.6	0.1		-2.1	0.5
8BQPU8	40.4	0.4	0.1	126.1	1.1	0.3	58.3	0.3	0.1	2.8	-0.5	0.4	45.0	0.5	0.2
		2.3	0.2		20.6	1.2		1.9	0.3		-0.8	0.1		4.4	0.4
ALN6UV	46.8	1.4	1.5	97.3	-0.5	1.3	66.6	1.4	1.6	2.4	-0.7	0.8	44.2	0.4	0.5
		8.7	2.6		-8.2	5.6		10.2	3.7		-1.1	0.2		3.5	0.8
JR33FL	36.7	-0.2	0.4	108.0	0.1	0.4	64.0	1.0	0.4	3.6	0.0	1.4	43.1	0.3	0.4
		-1.4	0.6		2.5	1.7		7.6	1.0		0.1	0.4		2.4	0.6
D4AZWT	30.0	-1.4	0.4	91.7	-0.8	0.4	48.4	-1.1	0.3	1.3	-1.4	0.7	34.3	-0.7	0.2
		-8.2	0.6		-13.8	1.7		-8.0	0.7		-2.2	0.2		-6.3	0.3
XFBKG8	42.8	0.8	1.2	119.0	0.8	0.2	55.3	-0.1	0.6	3.4	-0.1	2.3	42.3	0.2	1.4
		4.7	2.1		13.5	1.0		-1.1	1.3		-0.1	0.7		1.6	2.2
BAQLTV	42.3	0.7		121.0	0.9		50.5	-0.8		3.6	0.0		42.0	0.2	
		4.2	0.0		15.5	0.0		-5.9	0.0		0.1	0.0		1.3	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
B6T2QW	34.5	-0.6	1.1	146.3	2.3	1.1	65.7	1.3	1.2	3.6	0.0	0.8	33.0	-0.9	0.9
		-3.6	1.9		40.8	4.7		9.3	2.7		0.0	0.3		-7.7	1.4
NMAR8J	41.0	0.5	0.5	108.2	0.2	0.0	55.1	-0.2	0.3	3.1	-0.3	0.6	45.4	0.5	0.3
		2.9	0.8		2.7	0.2		-1.3	0.8		-0.4	0.2		4.7	0.4
BKK2HW	40.3	0.4	0.3	113.3	0.4	1.4	59.3	0.4	1.4	5.0	0.9	1.9	44.3	0.4	2.6
		2.2	0.6		7.8	5.8		2.9	3.2		1.5	0.6		3.7	4.0
C7JPMX	44.2	1.0	0.9	112.2	0.4	0.6	54.6	-0.2	1.0	3.4	-0.1	0.2	41.8	0.1	0.3
		6.0	1.5		6.7	2.7		-1.8	2.3		-0.2	0.1		1.2	0.5
F74V9R	36.5	-0.3	0.2	101.8	-0.2	0.3	61.0	0.6	0.1	4.2	0.4	0.2	39.7	-0.1	0.4
		-1.6	0.4		-3.7	1.1		4.6	0.3		0.7	0.1		-1.0	0.6
6P2GLV	30.8	-1.2	0.0	95.2	-0.6	0.0	52.8	-0.5	0.0	2.3	-0.7	0.0	33.3	-0.8	0.0
		-7.3	0.1		-10.3	0.0		-3.6	0.0		-1.2	0.0		-7.4	0.0
TK6TZ7	29.7	-1.4	1.2	89.3	-0.9	3.2	54.3	-0.3	2.9	3.0	-0.3		37.0	-0.4	3.3
		-8.5	2.1		-16.2	13.6		-2.1	6.7		-0.5	0.0		-3.7	5.0
JYG73E	36.2	-0.3	0.4	90.7	-0.8	0.3	60.3	0.5	0.2	4.7	0.7	2.3	40.5	0.0	0.4
		-1.9	0.6		-14.8	1.2		3.9	0.5		1.2	0.7		-0.1	0.6
Y82F73	43.9	1.0	2.9	116.9	0.6	2.1	61.7	0.7	3.9	3.8	0.2	2.1	45.0	0.5	2.1
		5.8	4.9		11.4	8.8		5.3	9.2		0.3	0.7		4.4	3.2
RFEWXA	39.2	0.2	0.0	110.7	0.3	0.1	53.9	-0.3	0.1	3.1	-0.3	0.2	42.1	0.2	0.0
		1.0	0.0		5.2	0.5		-2.5	0.2		-0.5	0.1		1.4	0.1
PECGCD	35.6	-0.4	1.1	96.6	-0.5	0.8	56.5	0.0	1.1	2.8	-0.4	0.5	39.3	-0.1	2.1
		-2.5	1.9		-8.9	3.4		0.1	2.5		-0.7	0.2		-1.3	3.2
Q49NHD	36.5	-0.3	0.6	101.0	-0.3	0.3	57.8	0.2	0.1	3.3	-0.1	0.1	39.0	-0.2	0.3
		-1.6	1.0		-4.5	1.3		1.4	0.3		-0.2	0.0		-1.6	0.4
NDHCHE	36.3	-0.3	0.7	100.7	-0.3	2.0	52.0	-0.6	1.1	3.6	0.1	1.6	39.3	-0.1	0.4
		-1.8	1.2		-4.8	8.6		-4.4	2.6		0.1	0.5		-1.3	0.6
FKAQUE	37.7	-0.1	0.4	107.6	0.1	0.2	52.4	-0.5	0.3	2.9	-0.4	0.1	40.7	0.0	1.0
		-0.4	0.7		2.1	0.7		-4.0	0.7		-0.7	0.0		0.1	1.5
394EVR	37.3	-0.1	0.9	127.0	1.2		53.7	-0.4	0.9	4.3	0.5	1.8	38.0	-0.3	1.3
		-0.8	1.5		21.5	0.0		-2.8	2.1		0.8	0.6		-2.7	2.0
JCK83B	57.3	3.2	1.3	168.8	3.5	1.8	85.0	3.9	1.8	4.7	0.7	0.3	73.3	3.7	0.2
		19.2	2.2		63.3	7.5		28.6	4.2		1.2	0.1		32.7	0.3
UC8H62	40.2	0.3		119.0	0.8		61.8	0.7		13.0	5.8		41.8	0.1	
		2.1	0.0		13.5	0.0		5.4	0.0		9.5	0.0		1.1	0.0
DLVLGJ	35.1	-0.5		102.0	-0.2		49.3	-1.0		3.5	0.0		36.8	-0.4	
		-3.0	0.0		-3.5	0.0		-7.1	0.0		0.0	0.0		-3.9	0.0
YJCQYX	46.5	1.4	0.4	126.7	1.2	0.5	65.1	1.2	0.8	1.2	-1.4	0.8	49.8	1.0	0.7
		8.4	0.7		21.2	2.3		8.7	1.8		-2.3	0.3		9.2	1.0
HBX9B8	35.6	-0.4	2.4	114.1	0.5	0.5	54.1	-0.3	0.4	2.9	-0.4	0.6	41.5	0.1	0.5
		-2.5	4.1		8.6	2.0		-2.4	1.0		-0.6	0.2		0.8	0.8
FFW7K9	40.9	0.5	0.8	120.0	0.8	0.6	54.9	-0.2	0.7	3.1	-0.3	0.5	40.6	0.0	0.8
		2.7	1.4		14.5	2.6		-1.6	1.6		-0.4	0.2		-0.1	1.2
7RJXFK	34.6	-0.6	0.2	97.0	-0.5	0.2	48.7	-1.0	0.2	2.1	-0.9	0.1	36.3	-0.5	0.1
		-3.5	0.3		-8.5	0.6		-7.7	0.4		-1.4	0.0		-4.3	0.1



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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		
Grand Median	38.1			105.5			56.4			3.53			40.7		
Median Abs Dev	2.9			8.6			3.7			0.68			2.9		
Avg Within Lab SD	1.7			4.2			2.3			0.31			1.5		
Labs Included	42			42			42			42			42		
Labs Reporting	42			42			42			42			42		



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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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
9L8TGW	41.7	0.6	1.7	124.7	-0.1	1.0	59.3	-0.2	0.6	3.8	-0.2	1.7	40.3	-0.2	1.4		
		2.2	1.6		-1.7	2.9		-3.1	0.6		-0.1	0.7		-0.6	0.8		
4P4LMY	35.6	-1.1	0.2	151.0	1.9	1.6	74.4	0.6	1.7	3.7	-0.3	0.8	39.0	-0.6	0.7		
		-3.9	0.2		24.6	4.9		12.0	1.8		-0.2	0.3		-1.9	0.4		
PQMPE7	37.0	-0.7	1.0	128.0	0.1		100.0	2.0		5.3	2.4	1.5	42.0	0.3			
		-2.4	1.0		1.7	0.0		37.6	0.0		1.5	0.6		1.1	0.0		
DRWZ3L	37.9	-0.4	1.4	112.2	-1.1	1.3	40.0	-1.2	0.4	3.5	-0.6	0.2	34.2	-2.0	0.3		
		-1.5	1.4		-14.2	3.8		-22.4	0.4		-0.3	0.1		-6.7	0.2		
7U92AR	42.0	0.7		132.3	0.5	0.8	63.7	0.1	1.1	4.0	0.2		43.7	0.8	1.1		
		2.6	0.0		6.0	2.5		1.2	1.2		0.1	0.0		2.8	0.6		
729JLJ	41.0	0.4	0.4	122.0	-0.3	0.3	61.2	-0.1	1.1	4.1	0.4	0.3	41.4	0.2	1.5		
		1.5	0.4		-4.3	1.0		-1.2	1.2		0.2	0.1		0.6	0.8		
Grand Median		39.4			126.3			62.4			3.88			40.9			
Median Abs Dev		2.3			5.2			7.5			0.20			1.5			
Avg Within Lab SD		1.0			3.0			1.0			0.38			0.5			
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		

NO3-N CTA (SubTestCode 128)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
P4A2NU	42.2	0.6	127.0	0.0	55.6	1.4	4.0	1.3	44.1	1.3	
		0.6		1.0		1.2		0.1		1.6	
9NWXA4	33.9	1.3	89.9	1.5	48.4	0.4	4.3	0.6	35.5	0.5	
		1.3				0.3		0.0		0.6	
Grand Median	38.0		108.4		52.0		4.14		39.8		
Median Abs Dev											
Avg Within Lab SD	1.0		1.5		0.9		0.08		1.2		
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		

NO3-N Ion Chr. (SubTestCode 129)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
SRSSRS1506	SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510				
ATNL8M	37.3	1.0	116.7	1.0	56.9	1.0	2.9	1.0	43.1	1.0	
		0.4		0.6		0.5		0.1		1.2	
Grand Median	37.3		116.7		56.9		2.89		43.1		
Median Abs Dev											
Avg Within Lab SD	0.4		0.6		0.5		0.08		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		

NH4 - N (KCl Extr.) (SubTestCode 130)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups															Data units: mg/kg		
	SRSSRS1506	Z	k	SRSSRS1507	Z	k	SRSSRS1508	Z	k	SRSSRS1509	Z	k	SRSSRS1510	Z	k			
6LYFJD	4.3	-0.1	0.3	17.0	0.2	0.3	3.9	0.0	0.1	4.2	-0.1	0.1	28.8	0.1	0.0			
		-0.2	0.2		0.9	0.2		0.0	0.0		-0.3	0.0		0.9	0.1			
P4A2NU	4.4	0.0	0.4	15.3	-0.2	0.3	2.9	-0.6	0.2	5.4	0.4	0.0	32.2	0.5	0.4			
		-0.1	0.2		-0.9	0.3		-1.1	0.1		0.9	0.0		4.2	0.5			
JGWHQY	0.8	-1.9	0.0	4.4	-2.1	0.1	1.2	-1.6	0.4	1.2	-1.4	0.3	6.7	-2.6	0.1			
		-3.7	0.0		-11.7	0.0		-2.7	0.2		-3.4	0.2		-21.2	0.1			
NLDBVL	4.9	0.3	0.2	14.9	-0.2	0.8	4.3	0.2	1.0	5.1	0.2	0.7	22.0	-0.7	0.2			
		0.5	0.1		-1.2	0.7		0.4	0.5		0.6	0.4		-6.0	0.3			
CHC7CY	4.2	-0.1	0.7	16.7	0.1	0.5	1.0	-1.7	0.1	3.8	-0.3	0.6	23.2	-0.6	0.2			
		-0.2	0.4		0.5	0.4		-3.0	0.0		-0.7	0.3		-4.7	0.3			
QRTWTH	4.9	0.3	1.2	21.8	1.0	1.6	3.6	-0.2	0.3	4.3	-0.1	0.9	31.1	0.4	2.4			
		0.5	0.7		5.7	1.3		-0.4	0.1		-0.3	0.6		3.1	3.2			
7ZD6W6	2.0	-1.2	0.7	14.3	-0.3	0.6	3.4	-0.3	0.9	3.8	-0.3	0.9	22.9	-0.6	1.6			
		-2.4	0.4		-1.8	0.5		-0.5	0.4		-0.8	0.5		-5.0	2.1			
49HZ39	6.0	0.8		16.0	0.0		6.0	1.2		6.3	0.8	1.0	26.7	-0.2	0.9			
		1.6	0.0		-0.1	0.0		2.1	0.0		1.8	0.6		-1.3	1.2			
HBXDMV	7.7	1.6	0.5	14.8	-0.3	0.3	6.3	1.3	0.5	21.7	7.2	1.0	27.5	-0.1	0.1			
		3.2	0.3		-1.4	0.3		2.3	0.3		17.1	0.6		-0.5	0.2			
9NWXA4	3.9	-0.3	0.1	15.5	-0.1	0.7	3.9	0.0	0.5	4.2	-0.1	0.5	22.7	-0.6	0.1			
		-0.5	0.1		-0.6	0.6		0.0	0.3		-0.3	0.3		-5.2	0.1			
CTDWTZ	4.5	0.0	0.1	20.0	0.7	0.7	6.9	1.7	0.1	5.1	0.2	3.1	29.3	0.2	0.2			
		0.1	0.1		3.9	0.6		2.9	0.1		0.6	1.8		1.4	0.3			
8BQPU8	2.5	-1.0	0.1	11.1	-0.9	0.1	2.6	-0.8	0.5	2.0	-1.1	0.3	16.6	-1.4	0.3			
		-2.0	0.1		-5.0	0.1		-1.4	0.3		-2.6	0.2		-11.3	0.4			
JR33FL	5.8	0.7	0.6	16.3	0.0	0.3	4.5	0.4	0.1	4.8	0.1	0.0	28.1	0.0	0.1			
		1.4	0.3		0.1	0.2		0.6	0.1		0.3	0.0		0.2	0.2			
D4AZWT	2.6	-0.9	0.3	12.5	-0.7	0.2	3.5	-0.2	0.5	2.4	-0.9	0.3	22.2	-0.7	0.1			
		-1.8	0.2		-3.6	0.2		-0.4	0.2		-2.2	0.2		-5.8	0.1			
XFBKG8	6.9	1.3	2.1	23.9	1.4	1.1	7.8	2.2	1.9	7.9	1.4	0.9	41.3	1.6	2.0			
		2.5	1.2		7.8	0.9		3.9	0.9		3.4	0.5		13.3	2.6			
BAQLTV	5.5	0.5		10.2	-1.1		3.8	-0.1		4.8	0.1		27.3	-0.1				
		1.1	0.0		-5.9	0.0		-0.1	0.0		0.3	0.0		-0.6	0.0			
NMAR8J	5.5	0.5	0.8	18.8	0.5	0.2	4.8	0.5	0.5	4.7	0.1	0.3	30.4	0.3	0.3			
		1.0	0.5		2.7	0.2		0.9	0.2		0.2	0.2		2.5	0.4			
C7JPMX	3.5	-0.5	0.3	14.1	-0.4	0.1	3.2	-0.4	0.3	3.9	-0.3	0.5	28.7	0.1	0.7			
		-1.0	0.2		-2.0	0.1		-0.8	0.1		-0.7	0.3		0.8	1.0			
6P2GLV	3.9	-0.3	0.0	10.9	-1.0	0.0	4.0	0.0	0.0	4.3	-0.1	0.0	20.2	-0.9	0.0			
		-0.6	0.0		-5.2	0.0		0.1	0.0		-0.2	0.0		-7.7	0.0			
RFEWXA	3.0	-0.7	0.1	18.2	0.4	0.1	3.7	-0.1	0.1	3.9	-0.3	0.0	27.8	0.0	0.0			
		-1.4	0.0		2.1	0.1		-0.2	0.0		-0.6	0.0		-0.2	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		
Q49NHD	3.7	-0.4	0.1	15.1	-0.2	0.4	3.9	0.0	0.0	4.4	-0.1	0.1	26.7	-0.2	0.3
		-0.8	0.0		-1.1	0.4		0.0	0.0		-0.1	0.0		-1.3	0.4
NDHCHE	7.3	1.4	2.1	21.2	0.9	2.8	5.7	1.0	1.7	4.9	0.2	1.9	30.8	0.3	1.3
		2.8	1.2		5.1	2.3		1.8	0.8		0.4	1.1		2.8	1.8
FKAQUE	3.7	-0.4	0.1	19.5	0.6	0.1	3.8	-0.1	0.0	4.0	-0.2	0.1	33.9	0.7	0.7
		-0.7	0.0		3.4	0.1		-0.1	0.0		-0.5	0.1		6.0	0.9
JCK83B	5.8	0.7	1.5	23.0	1.3	1.0	4.5	0.3	1.0	4.7	0.1	1.4	43.6	1.9	0.4
		1.4	0.8		6.8	0.9		0.5	0.5		0.1	0.8		15.7	0.6
YJCQYX	6.5	1.0	2.4	31.2	2.8	3.2	7.0	1.8	3.8	6.7	0.9	2.2	47.3	2.4	3.0
		2.0	1.4		15.1	2.6		3.1	1.8		2.1	1.3		19.4	4.1
HBX9B8	5.5	0.5	2.3	17.3	0.2	0.7	5.0	0.6	0.9	6.2	0.7	0.5	30.7	0.3	0.8
		1.0	1.3		1.2	0.6		1.1	0.4		1.6	0.3		2.8	1.1
Grand Median		4.45			16.1			3.92			4.53			27.9	
Median Abs Dev		1.03			2.4			0.68			0.60			3.7	
Avg Within Lab SD		0.56			0.8			0.47			0.60			1.3	
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		

Amino Nitrogen (SubTestCode 131)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
SRSSRS1506	SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510				
YJVWV3	152.5	1.0	273.3	1.0	60.0	1.0	111.7	1.0	128.3	1.0	
	18.9		1.4		6.6		11.5		3.8		
Grand Median	152.5		273.3		60.0		111.7		128.3		
Median Abs Dev											
Avg Within Lab SD	18.9		1.4		6.6		11.5		3.8		
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 Bray P1 (1:10) (SubTestCode 132) in the Phosphorus and Sulfur Property Groups															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
	Data units: mg/kg														
P4A2NU	183.33	-0.67	0.19	12.33	0.81	0.37	32.00	-0.15	0.89	41.67	-1.50	0.42	18.00	0.00	
		-21.17	2.89		5.33	0.58		-0.65	1.00		-6.98	0.58		0.00	0.00
M9QMKW	219.67	0.48	0.40	13.67	1.01	0.37	33.67	0.24	0.51	54.67	1.29	0.42	19.00	0.33	
		15.17	6.03		6.67	0.58		1.02	0.58		6.02	0.58		1.00	0.00
JGWHQY	197.67	-0.22	0.04	5.00	-0.30	0.06	33.13	0.11	0.59	48.90	0.05	0.48	18.63	0.21	0.84
		-6.83	0.64		-2.00	0.10		0.48	0.67		0.25	0.66		0.63	0.50
NLDBVL	208.27	0.12	0.42	1.20	-0.88	0.19	32.63	0.00	1.37	48.30	-0.08	0.84	12.73	-1.73	0.10
		3.77	6.37		-5.80	0.30		-0.02	1.55		-0.35	1.15		-5.27	0.06
QRTWTH	330.86	4.00	4.60	17.20	1.55	4.05	34.97	0.55	1.87	50.69	0.44	1.76	15.90	-0.69	1.30
		126.36	69.61		10.20	6.34		2.32	2.11		2.04	2.42		-2.10	0.78
7ZD6W6	202.23	-0.07	0.20	10.57	0.54	0.69	29.50	-0.75	2.49	48.23	-0.09	0.92	15.90	-0.69	0.60
		-2.27	2.99		3.57	1.08		-3.15	2.82		-0.42	1.27		-2.10	0.36
E7WXNW	215.17	0.34	0.32	8.63	0.25	0.32	25.53	-1.69	1.46	49.97	0.28	0.99	21.47	1.14	1.23
		10.67	4.86		1.63	0.50		-7.12	1.65		1.32	1.37		3.47	0.74
TJAAWJ	227.00	0.71	0.11	5.33	-0.25	0.37	33.33	0.16	0.51	51.33	0.58	0.42	15.00	-0.99	
		22.50	1.73		-1.67	0.58		0.68	0.58		2.68	0.58		-3.00	0.00
9NWXA4	221.67	0.54	0.38	12.67	0.86	0.54	30.93	-0.41	0.05	45.07	-0.77	1.42	15.10	-0.95	1.44
		17.17	5.77		5.67	0.84		-1.72	0.06		-3.58	1.97		-2.90	0.87
CTDWTZ	213.33	0.28	0.10	2.00	-0.76		25.33	-1.74	0.51	47.33	-0.28	0.42	14.33	-1.21	0.96
		8.83	1.53		-5.00	0.00		-7.32	0.58		-1.32	0.58		-3.67	0.58
JR33FL	242.67	1.21	0.17	3.67	-0.51	0.74	36.00	0.80		50.00	0.29		18.00	0.00	
		38.17	2.52		-3.33	1.15		3.35	0.00		1.35	0.00		0.00	0.00
W9HRV9	137.67	-2.11	0.39	40.67	5.10	1.95	32.67	0.00	1.35	51.33	0.58	1.51	19.00	0.33	1.67
		-66.83	5.86		33.67	3.06		0.02	1.53		2.68	2.08		1.00	1.00
NDLV7H	180.67	-0.75	0.08	9.30	0.35	0.39	30.90	-0.42	0.27	46.60	-0.44	0.26	19.97	0.65	0.48
		-23.83	1.15		2.30	0.61		-1.75	0.30		-2.05	0.36		1.97	0.29
D4AZWT	229.27	0.78	0.22	8.28	0.19	0.26	36.16	0.83	0.42	58.54	2.12	0.65	19.94	0.64	0.60
		24.77	3.30		1.28	0.41		3.51	0.47		9.89	0.90		1.94	0.36
B6T2QW	242.33	1.20	0.65	6.67	-0.05	0.37	37.33	1.11	1.02	56.33	1.65	2.09	19.67	0.55	0.96
		37.83	9.87		-0.33	0.58		4.68	1.15		7.68	2.89		1.67	0.58
NMAR8J	206.00	0.05	0.30	5.00	-0.30		34.00	0.32	0.89	46.33	-0.50	0.42	18.00	0.00	
		1.50	4.58		-2.00	0.00		1.35	1.00		-2.32	0.58		0.00	0.00
F74V9R	199.67	-0.15	0.48	1.67	-0.81	0.37	25.67	-1.66	0.51	46.00	-0.57	1.26	16.67	-0.44	0.96
		-4.83	7.23		-5.33	0.58		-6.98	0.58		-2.65	1.73		-1.33	0.58
4Z6AEV	219.50	0.47	0.09	6.54	-0.07	0.04	36.47	0.91	0.05	62.27	2.92	0.11	21.43	1.13	0.19
		15.00	1.32		-0.46	0.06		3.82	0.06		13.62	0.15		3.43	0.12
JYG73E	197.33	-0.23	0.39	10.00	0.45		28.67	-0.95	1.02	51.00	0.50	0.72	14.33	-1.21	0.96
		-7.17	5.86		3.00	0.00		-3.98	1.15		2.35	1.00		-3.67	0.58
UXB468	201.33	-0.10	0.19	5.83	-0.18	0.18	32.83	0.04	0.51	48.00	-0.14		17.83	-0.05	0.96
		-3.17	2.89		-1.17	0.29		0.18	0.58		-0.65	0.00		-0.17	0.58



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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		
PECGCD	194.00	-0.33	0.64	5.33	-0.25	0.37	29.33	-0.79	0.51	46.00	-0.57	1.45	21.67	1.21	2.55
		-10.50	9.64		-1.67	0.58		-3.32	0.58		-2.65	2.00		3.67	1.53
Q49NHD	203.00	-0.05	0.41	9.05	0.31	0.39	29.53	-0.74	0.14	48.63	0.00	0.22	19.53	0.50	0.42
		-1.50	6.24		2.05	0.62		-3.12	0.15		-0.02	0.31		1.53	0.25
PQMPE7	174.33	-0.95	0.27	7.33	0.05	0.37	27.33	-1.26	0.51	46.00	-0.57	0.72	19.00	0.33	
		-30.17	4.04		0.33	0.58		-5.32	0.58		-2.65	1.00		1.00	0.00
YJCQYX	192.67	-0.37	0.61	4.67	-0.35	0.98	35.00	0.56	1.53	48.67	0.00	1.82	14.33	-1.21	0.96
		-11.83	9.29		-2.33	1.53		2.35	1.73		0.02	2.52		-3.67	0.58
Grand Median		204.5			7.00			32.7			48.7			18.0	
Median Abs Dev		13.4			2.32			2.7			2.3			2.0	
Avg Within Lab SD		15.1			1.56			1.1			1.4			0.6	
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		

PO4-P Bray P (1:7) (SubTestCode 133)	in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
49HZ39	100.00	0.00	1.49	7.00	-0.87		19.33	-0.42	1.09	38.67	0.00	0.84	11.67	0.02	1.59
		0.00	5.57		-0.89	0.00		-3.90	1.53		0.00	1.53		0.05	0.58
BAQLTV	90.50	-0.16	0.95	9.50	1.56	0.81	10.50	-1.38	1.52	28.50	-0.60	0.39	7.00	-1.66	
		-9.50	3.54		1.61	0.71		-12.73	2.12		-10.17	0.71		-4.62	0.00
HBX9B8	167.33	1.10	0.94	8.03	0.13	0.97	27.53	0.47	0.65	42.60	0.23	1.48	14.40	1.00	0.99
		67.33	3.51		0.14	0.85		4.30	0.91		3.93	2.69		2.78	0.36
		-1.38	0.28								-2.09	1.20			
JQ9CA8	16.12	-83.88	1.03							3.28	-35.38	2.18			
		0.74	0.96		-0.13	1.19	27.13	0.42	0.30		0.46	0.70		-0.02	0.69
FZ2NVA	145.00	45.00	3.61	7.76	-0.14	1.04	27.13	3.90	0.42	46.40	7.73	1.28	11.57	-0.05	0.25
Grand Median		100.0			7.89			23.2			38.7			11.6	
Median Abs Dev		45.0			0.52			4.1			7.7			1.4	
Avg Within Lab SD		3.7			0.88			1.4			1.8			0.4	
Labs Included		5			4			4			5			4	
Labs Reporting		5			4			4			5			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		

PO4-P Olsen/Bicarb (1:20) (SubTestCode 134)															
in the Phosphorus and Sulfur Property Groups															
Data units: mg/kg															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
P4A2NU	31.7	0.2	0.5	37.0	1.0	0.3	8.7	0.0	0.7	24.3	0.2	0.8	15.4	0.4	0.2
		1.8	1.5		7.0	1.0		-0.1	0.6		0.9	1.5		1.4	0.2
M9QMKW	19.0	-1.2	0.0	24.0	-0.8	0.0	6.3	-1.0	0.7	19.7	-0.7	0.3	8.0	-1.6	0.0
		-10.9	0.1		-6.0	0.0		-2.4	0.6		-3.7	0.6		-6.0	0.0
NLDBVL	35.8	0.6	0.4	44.0	2.0	0.2	15.5	2.7	0.3	28.7	1.0	0.2	11.7	-0.6	0.3
		5.9	0.4		14.0	0.7		6.7	0.3		5.3	0.3		-2.3	0.3
CHC7CY	25.9	-0.4	0.2	32.3	0.3	0.3	6.8	-0.8	0.2	19.5	-0.7	0.0	11.9	-0.5	0.9
		-4.0	0.7		2.3	0.8		-1.9	0.2		-3.9	0.1		-2.1	0.9
7ZD6W6	29.5	0.0	0.5	29.4	-0.1	0.5	8.3	-0.2	0.9	26.3	0.5	0.7	14.1	0.0	0.6
		-0.4	1.6		-0.6	1.4		-0.4	0.8		2.9	1.3		0.1	0.7
49HZ39	39.7	1.1	0.5	36.7	0.9	0.5	12.0	1.3	1.2	30.3	1.3	1.6	14.0	0.0	0.9
		9.8	1.5		6.7	1.5		3.3	1.0		6.9	3.1		0.0	1.0
E7WXNW	32.4	0.3	0.4	21.1	-1.3	0.5	3.6	-2.0	0.6	15.9	-1.4	0.3	11.4	-0.7	0.3
		2.5	1.2		-8.9	1.5		-5.1	0.6		-7.5	0.7		-2.6	0.3
TJAAWJ	38.7	1.0	0.8	27.7	-0.3	0.5	9.3	0.2	1.8	24.7	0.2	0.8	19.0	1.3	0.9
		8.8	2.5		-2.3	1.5		0.6	1.5		1.3	1.5		5.0	1.0
HBXDMV	30.3	0.0	0.5	30.0	0.0	0.0	9.0	0.1	0.0	21.7	-0.3	0.3	14.0	0.0	0.0
		0.4	1.5		0.0	0.0		0.3	0.0		-1.7	0.6		0.0	0.0
9NWXA4	32.4	0.3	0.1	36.0	0.8	0.3	9.7	0.4	1.0	23.1	-0.1	0.3	15.4	0.4	0.5
		2.5	0.4		6.0	0.9		1.0	0.9		-0.3	0.7		1.4	0.5
CTDWTZ	26.3	-0.4	0.2	26.7	-0.5	0.2	8.0	-0.3	0.0	23.7	0.1	0.3	11.7	-0.6	0.5
		-3.6	0.6		-3.3	0.6		-0.8	0.0		0.3	0.6		-2.3	0.6
8BQPU8	50.3	2.2	1.9	55.0	3.5	0.3	17.0	3.3	1.2	39.0	2.9	2.3	24.3	2.7	2.9
		20.4	5.9		25.0	1.0		8.3	1.0		15.6	4.6		10.3	3.1
ALN6UV	20.2	-1.1	0.3	19.0	-1.6	0.2	8.9	0.1	0.1	19.3	-0.8	0.4	13.0	-0.3	0.2
		-9.7	1.0		-11.0	0.5		0.1	0.1		-4.1	0.7		-1.0	0.2
9L8TGW	34.3	0.5	0.4	36.3	0.9	0.7	10.2	0.6	0.5	26.3	0.5	0.6	16.4	0.6	0.4
		4.4	1.3		6.3	2.1		1.5	0.4		2.9	1.1		2.4	0.4
JR33FL	35.0	0.6	0.0	33.3	0.5	0.2	8.7	0.0	0.7	26.3	0.6	0.3	14.7	0.2	0.5
		5.1	0.0		3.3	0.6		-0.1	0.6		2.9	0.6		0.7	0.6
XFBKG8	35.7	0.6	0.4	32.7	0.4	0.2	11.3	1.0	0.7	24.0	0.1	0.5	20.7	1.8	0.5
		5.8	1.2		2.7	0.6		2.6	0.6		0.6	1.0		6.7	0.6
NMAR8J	25.7	-0.5	0.2	25.7	-0.6	0.2	8.7	0.0	0.7	21.0	-0.5	0.5	11.0	-0.8	0.0
		-4.2	0.6		-4.3	0.6		-0.1	0.6		-2.4	1.0		-3.0	0.0
BKK2HW	25.3	-0.5	0.7	28.0	-0.3	0.3	9.5	0.3	0.6	20.3	-0.6	1.1	14.7	0.2	1.4
		-4.6	2.1		-2.0	1.0		0.7	0.6		-3.1	2.1		0.7	1.5
F74V9R	30.3	0.0	0.2	30.5	0.1	0.7	8.8	0.0	0.3	25.6	0.4	0.5	16.3	0.6	0.2
		0.4	0.8		0.5	1.9		0.1	0.3		2.2	0.9		2.3	0.2
4P4LMY	25.1	-0.5	0.1	27.9	-0.3	0.0	6.9	-0.7	0.1	18.3	-1.0	0.0	11.5	-0.7	0.3
		-4.8	0.2		-2.1	0.1		-1.8	0.1		-5.1	0.1		-2.5	0.3



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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
PECGCD	28.3	-0.2	0.5	28.7	-0.2	1.0	8.0	-0.3	1.2	24.7	0.2	0.6	13.3	-0.2	0.5
		-1.6	1.5		-1.3	2.9		-0.8	1.0		1.3	1.2		-0.7	0.6
NDHCHE	38.0	0.9	0.3	29.0	-0.1	0.6	6.6	-0.8	0.8	20.3	-0.6	0.3	15.3	0.4	0.5
		8.1	1.0		-1.0	1.7		-2.1	0.7		-3.1	0.6		1.3	0.6
PQMPE7	54.0	2.7	0.3	30.0	0.0	0.3	9.0	0.1		27.7	0.8	1.3	10.7	-0.9	0.5
		24.1	1.0		0.0	1.0		0.3	0.0		4.3	2.5		-3.3	0.6
UC8H62	21.5	-0.9		25.7	-0.6		7.5	-0.5		18.4	-0.9		9.9	-1.1	
		-8.4	0.0		-4.3	0.0		-1.3	0.0		-5.0	0.0		-4.1	0.0
WWRYLZ	28.3	-0.2	0.6	35.1	0.7	0.8	9.4	0.3	0.5	24.6	0.2	0.5	15.3	0.3	0.4
		-1.6	1.8		5.1	2.2		0.6	0.4		1.2	1.0		1.3	0.4
DLVLGJ	18.3	-1.3		20.9	-1.3		5.5	-1.3		14.9	-1.6		8.6	-1.4	
		-11.6	0.0		-9.1	0.0		-3.3	0.0		-8.5	0.0		-5.4	0.0
DRWZ3L	92.9	6.9	2.3	102.1	10.2	1.7	32.8	9.6	6.5	60.9	7.1	2.1	33.9	5.2	3.3
		63.0	6.9		72.1	4.8		24.1	5.6		37.5	4.0		19.9	3.4
HBX9B8	23.0	-0.8	0.7	27.3	-0.4	1.6	9.3	0.2	0.7	19.3	-0.8	0.3	12.7	-0.4	0.5
		-6.9	2.0		-2.7	4.5		0.6	0.6		-4.1	0.6		-1.3	0.6
JQ9CA8	25.0	-0.5	4.7	33.1	0.4	4.7	7.3	-0.6	3.9	21.4	-0.4	3.8	9.4	-1.2	3.7
		-4.9	14.3		3.1	13.6		-1.4	3.4		-2.0	7.5		-4.6	3.9
7RJXFK	32.3	0.3	0.1	30.2	0.0	0.1	7.7	-0.4	0.3	22.3	-0.2	0.1	14.3	0.1	0.2
		2.4	0.2		0.2	0.2		-1.0	0.2		-1.1	0.2		0.3	0.2
FZ2NVA	25.5	-0.5	0.5	32.0	0.3	0.2	10.6	0.8	0.7	26.6	0.6	0.6	15.9	0.5	0.1
		-4.4	1.6		2.0	0.6		1.9	0.6		3.2	1.2		1.9	0.2
Grand Median		29.9		30.0			8.75			23.4			14.0		
Median Abs Dev		4.7		3.2			1.00			3.0			2.2		
Avg Within Lab SD		3.1		2.9			0.86			2.0			1.1		
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
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
394EVR	1.5	0.7	28.3	1.4	38.0	0.9	7.3	1.1	1.0	0.0	
		0.5		1.5		1.7		1.5		1.0	
HBX9B8	5.0	1.2	30.1	0.3	60.6	1.1	13.9	0.8	2.5	1.0	
		0.8		0.4		2.0		1.1		0.2	
Grand Median		3.24		29.2		49.3		10.6		1.77	
Median Abs Dev											
Avg Within Lab SD		0.69		1.1		1.9		1.3		0.15	
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		

PO4-P Mod. Kelowna (SubTestCode 136)	in the Phosphorus and Sulfur Property Groups								Data units: mg/kg	
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510	
NDHCHE	116.7	1.4 5.8	40.7	1.4 0.6	24.0	1.4 1.0	33.7	1.4 1.5	12.0	1.4 1.0
DLVLGJ	101.0	0.0	33.8	0.0	16.2	0.0	31.8	0.0	8.2	0.0
Grand Median	108.8		37.2		20.1		32.7		10.1	
Median Abs Dev										
Avg Within Lab SD	4.1		0.4		0.7		1.1		0.7	
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		

PO4-P Strong Bray (1:10) (SubTestCode 137)			in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
			SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509					
P4A2NU	260.7	-0.2	0.2	94.7	0.7	0.3	389.0	0.0	0.9	102.7	0.1	0.3	40.0	0.0	0.7		
		-9.8	2.1		8.3	0.6		0.8	7.8		2.2	0.6		-0.3	1.0		
NLDBVL	301.4	0.5	0.3	105.1	1.5	0.8	494.4	0.9	0.9	127.1	1.0	0.2	34.5	-0.6	0.9		
		30.9	2.4		18.7	1.5		106.2	8.2		26.6	0.5		-5.9	1.3		
7ZD6W6	282.3	0.2	2.2	80.7	-0.4	1.9	458.3	0.6	0.9	98.3	-0.1	0.7	42.7	0.2	1.2		
		11.8	19.7		-5.7	3.5		70.2	7.6		-2.2	1.5		2.4	1.6		
TJAAWJ	280.3	0.2	0.5	85.7	-0.1	0.6	387.3	0.0	0.6	127.7	1.0	0.3	40.7	0.0	0.4		
		9.8	4.7		-0.7	1.2		-0.8	5.5		27.2	0.6		0.3	0.6		
JR33FL	347.0	1.2	0.3	87.3	0.1	0.3	467.3	0.7	0.2	134.3	1.2	0.7	55.3	1.5	0.4		
		76.5	3.0		1.0	0.6		79.2	2.1		33.8	1.5		15.0	0.6		
BAQLTV	149.0	-2.0	0.5	69.5	-1.3	1.1	92.0	-2.5	0.6	65.0	-1.3	2.0	22.0	-1.9	1.1		
		-121.5	4.2		-16.8	2.1		-296.2	5.7		-35.5	4.2		-18.3	1.4		
NMAR8J	250.7	-0.3	1.1	69.7	-1.3	0.8	387.3	0.0	1.5	84.7	-0.6	1.2	34.3	-0.6	0.4		
		-19.8	10.0		-16.7	1.5		-0.8	13.5		-15.8	2.5		-6.0	0.6		
PECGCD	218.7	-0.8	1.0	87.0	0.1	1.1	308.0	-0.7	1.5	93.7	-0.2	1.2	44.7	0.4	1.9		
		-51.8	9.0		0.7	2.0		-80.2	13.5		-6.8	2.5		4.3	2.5		
Grand Median		270.5		86.3			388.2			100.5			40.3				
Median Abs Dev		25.4		7.0			74.7			21.2			5.1				
Avg Within Lab SD		8.9		1.9			8.8			2.1			1.3				
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		

PO4-P Water Soluble (SubTestCode 138)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
FKAQUE	3.4	1.0 0.1	11.0	1.0 0.6	4.7	1.0 0.0	10.9	1.0 0.5	1.5	1.0 0.0	
Grand Median	3.42		11.0		4.73		10.9		1.45		
Median Abs Dev											
Avg Within Lab SD	0.14		0.6		0.03		0.5		0.00		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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SO4 - S (PO4 Extr.) (SubTestCode 139) in the Phosphorus and Sulfur Property Groups																		
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			Data units: mg/kg			
Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	
6LYFJD	4.3	0.1	0.7	25.2	0.4	0.6	115.7	0.2	0.4	3.5	-0.1		12.8	0.4	0.6			
		0.3	0.3		1.6	1.3		3.7	2.8		-0.3	0.0		1.8	0.3			
NLDBVL	12.1	3.3	2.4	21.9	-0.4	0.4	109.0	-0.1	0.5	5.2	0.5	2.1	10.8	-0.1	0.6			
		8.1	1.0		-1.7	0.9		-3.0	3.6		1.4	1.3		-0.3	0.3			
CHC7CY	4.7	0.3	0.5	21.3	-0.6	0.1	90.2	-0.9	0.2	5.1	0.5	2.1	12.1	0.2	0.4			
		0.7	0.2		-2.3	0.2		-21.8	1.5		1.2	1.3		1.0	0.2			
QRTWTH	1.7	-0.9	0.3	25.8	0.6	0.5	128.4	0.7	0.8	2.2	-0.6	0.4	6.1	-1.2	1.2			
		-2.3	0.1		2.2	1.1		16.4	5.6		-1.6	0.2		-5.0	0.6			
7ZD6W6	5.3	0.5	1.3	20.0	-1.0	1.2	101.7	-0.4	0.5	6.3	1.0	1.8	12.0	0.2	2.1			
		1.3	0.6		-3.6	2.6		-10.3	3.5		2.5	1.2		0.9	1.0			
49HZ39	5.3	0.5	1.3	25.0	0.4	0.5	134.3	0.9	0.6	8.3	1.7	0.9	16.0	1.2	2.1			
		1.3	0.6		1.4	1.0		22.3	4.0		4.5	0.6		4.9	1.0			
TJAAWJ	5.2	0.5	0.4	17.1	-1.7	0.0	93.9	-0.8	0.1	3.9	0.0	0.0	13.2	0.5	0.6			
		1.2	0.2		-6.5	0.1		-18.1	0.5		0.1	0.0		2.1	0.3			
9NWXA4	3.8	-0.1	1.2	29.6	1.6	0.6	118.7	0.3	0.3	3.7	0.0	0.7	14.9	0.9	1.0			
		-0.2	0.5		6.0	1.3		6.7	2.1		-0.1	0.4		3.8	0.5			
CTDWTZ	5.3	0.5	1.3	24.7	0.3	0.3	210.0	4.1	1.2	7.7	1.5	0.9	8.0	-0.7				
		1.3	0.6		1.1	0.6		98.0	8.0		3.9	0.6		-3.1	0.0			
JR33FL	4.0	0.0		22.0	-0.4	0.5	105.7	-0.3	0.2	2.3	-0.6	0.9	11.3	0.1	1.2			
		0.0	0.0		-1.6	1.0		-6.3	1.5		-1.5	0.6		0.3	0.6			
B6T2QW	31.7	11.2	9.4	196.7	46.3	1.9	484.0	15.4	1.8	21.7	6.8	3.3	34.7	5.5	6.1			
		27.7	4.0		173.1	4.0		372.0	12.5		17.9	2.1		23.6	2.9			
F74V9R	3.7	-0.1	1.8	19.0	-1.2	0.4	107.7	-0.2	0.8	3.7	0.0	0.9	7.8	-0.8	0.5			
		-0.3	0.8		-4.6	0.9		-4.3	5.8		-0.1	0.6		-3.3	0.2			
TK6TZ7	4.0	0.0		24.7	0.3	0.3	111.3	0.0	0.7	5.0	0.5		10.0	-0.2				
		0.0	0.0		1.1	0.6		-0.7	4.7		1.2	0.0		-1.1	0.0			
MZ2YRE	3.8	-0.1	0.5	22.0	-0.4	0.1	102.7	-0.4	0.1	2.6	-0.5	0.5	11.5	0.1	0.7			
		-0.2	0.2		-1.6	0.3		-9.3	1.0		-1.2	0.3		0.4	0.3			
PECGCD	2.0	-0.8		21.0	-0.7	0.5	132.3	0.8	0.6	2.3	-0.6	0.9	5.7	-1.3	1.2			
		-2.0	0.0		-2.6	1.0		20.3	3.8		-1.5	0.6		-5.4	0.6			
NDHCHE	1.6	-1.0	0.0	22.7	-0.2	0.3	113.3	0.1	0.8	1.7	-0.8	0.1	5.3	-1.3	0.4			
		-2.4	0.0		-0.9	0.6		1.3	5.8		-2.1	0.1		-5.7	0.2			
PQMPE7	8.4	1.8	0.2	27.4	1.0	0.3				8.9	2.0	0.2	13.0	0.5	0.6			
		4.4	0.1		3.8	0.6					5.1	0.2		1.9	0.3			
DLVLGJ	3.2	-0.3		24.5	0.2		112.0	0.0		4.4	0.2		7.3	-0.9				
		-0.8	0.0		0.9	0.0		0.0	0.0		0.6	0.0		-3.8	0.0			
YJCQYX	1.0	-1.2	1.1	25.6	0.5	3.7	145.9	1.4	3.4	0.9	-1.1	0.3	4.1	-1.6	1.1			
		-3.0	0.5		2.1	8.0		33.9	23.3		-2.9	0.2		-6.9	0.5			
DRWZ3L	15.8	4.8	12.6	87.4	17.1	3.2	623.7	21.2	6.0	44.0	15.3	10.6	118.0	25.1	12.2			
		11.8	5.4		63.9	6.7		511.7	41.1		40.2	6.8		106.9	5.8			



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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		
Grand Median	4.00			23.6			112.0			3.82			11.1		
Median Abs Dev	1.27			1.9			9.3			1.46			2.6		
Avg Within Lab SD	0.43			2.1			6.9			0.64			0.5		
Labs Included	18			18			17			18			18		
Labs Reporting	18			18			17			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		

K Ammonium Acetate (SubTestCode 140)															
in the Bases (1:10) Property Groups															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
M9QMKW	38.7	-0.7	1.8	217.5	-1.2	2.1	469.0	-0.4	2.0	327.4	0.0	3.1	89.0	-0.7	0.6
NLDBVL	61.6	-7.4	4.7	303.6	-71.3	19.7	563.4	-24.9	27.5	386.0	0.0	35.8	101.8	-10.5	2.8
CHC7CY	55.6	1.5	0.7	287.7	0.3	0.4	442.6	1.0	0.3	285.4	1.3	0.2	99.5	0.2	0.4
QRTWTH	53.5	0.9	1.8	323.3	14.8	3.5	478.5	69.6	4.6	314.0	58.6	2.0	92.8	2.3	2.0
7ZD6W6	44.3	0.7	0.4	260.3	0.0	0.1	479.3	-0.7	0.1	301.7	-0.9	0.1	106.0	0.0	0.3
49HZ39	46.0	9.4	1.0	230.0	-1.1	0.8	494.0	-51.3	1.5	327.3	-42.0	1.3	107.3	0.0	1.5
E7WXNW	59.3	0.7	0.4	303.7	0.6	0.4	468.7	-0.2	0.7	331.3	-0.3	0.5	98.3	-0.5	0.4
HBXDMV	46.3	7.3	1.0	317.0	34.4	3.5	511.7	-15.4	9.8	306.7	-13.3	5.8	94.3	-6.8	2.0
9NWXA4	53.1	-0.2	1.4	298.1	-0.5	3.3	452.0	-0.2	3.1	292.6	-0.6	1.0	98.0	0.4	1.8
CTDWTZ	68.3	-1.8	3.8	292.3	-28.5	30.4	555.0	-14.5	43.1	371.7	-25.7	11.6	114.3	6.5	8.9
YZZZJF	59.3	0.0	1.5	305.8	-1.0	3.0	473.3	0.0	2.2	328.3	0.0	1.6	107.0	0.5	1.6
Q79WMM	40.3	-0.2	4.0	307.7	-58.9	28.1	518.4	0.2	30.1	357.4	0.0	18.1	101.5	7.8	7.6
8BQPUS	50.7	1.3	0.8	358.3	0.3	0.7	555.3	-0.4	0.3	311.0	0.1	0.5	105.3	-0.1	0.6
ALN6UV	40.2	13.2	2.1	257.0	14.8	6.4	550.7	-25.2	3.5	355.7	4.0	5.7	98.2	-1.2	3.1
9L8TGW	58.3	0.0	0.2	370.0	0.5	0.1	559.3	0.3	0.3	343.3	-0.5	0.1	110.0	-0.4	0.8
JR33FL	36.7	0.2	0.6	243.0	28.1	1.0	493.7	17.8	3.8	306.7	-20.7	1.5	94.3	-5.2	4.0
W9HRV9	41.3	0.7	1.7	243.0	0.2	0.4	514.0	-0.6	0.3	334.0	-0.8	0.2	92.7	-0.1	0.1
ZK39D6	63.3	7.0	4.6	351.3	9.2	3.4	509.0	-41.8	4.5	339.0	-34.8	2.7	119.7	-1.5	0.6
NDLV7H	43.7	2.1	1.1	244.6	0.1	0.7	493.2	0.9	0.2	335.7	1.0	0.9	97.6	1.0	0.5
BAQLTV	38.5	22.2	2.9	225.5	3.5	6.8	358.5	61.2	3.0	277.0	44.3	10.4	65.0	14.8	2.5
		1.3	0.9		0.3	0.4		-0.3	0.1		0.0	1.6		0.5	1.5
		13.2	2.3		17.0	4.1		-20.5	1.3		0.9	18.8		7.5	7.4
		-0.6	0.8		0.3	0.3		0.4	0.8		0.7	0.9		0.1	0.6
		-5.8	2.1		18.8	3.2		24.6	10.6		30.1	10.8		2.0	2.8
		0.4	0.2		1.2	0.7		0.9	1.2		-0.4	0.4		0.4	0.5
		4.5	0.6		69.5	6.5		61.5	17.0		-16.4	4.4		5.8	2.5
		-0.6	0.4		-0.5	0.2		0.8	0.3		0.6	0.2		-0.1	0.1
		-6.0	1.0		-31.9	2.0		56.8	3.8		28.3	2.1		-1.3	0.7
		1.2	0.9		1.4	0.8		1.0	0.6		0.4	0.1		0.7	0.5
		12.2	2.3		81.1	7.0		65.5	8.0		16.0	1.2		10.5	2.6
		-0.9	0.8		-0.8	0.8		0.0	0.5		-0.5	0.2		-0.4	0.8
		-9.5	2.1		-45.9	7.2		-0.2	7.1		-20.7	2.5		-5.2	4.2
		-0.5	0.9		-0.8	0.4		0.3	0.6		0.1	0.3		-0.5	0.1
		-4.8	2.3		-45.9	3.6		20.2	8.7		6.7	3.6		-6.8	0.6
		1.6	1.1		1.1	1.6		0.2	2.0		0.3	1.2		1.4	1.2
		17.2	3.1		62.5	14.5		15.2	27.9		11.7	13.5		20.2	5.8
		-0.2	0.6		-0.8	1.1		0.0	1.6		0.2	1.0		-0.1	1.0
		-2.4	1.6		-44.3	10.2		-0.6	22.1		8.3	12.2		-1.9	5.0
		-0.7	0.8		-1.1	0.7		-2.0	0.4		-1.1	0.5		-2.4	0.9
		-7.7	2.1		-63.4	6.4		-135.3	4.9		-50.4	5.7		-34.5	4.2



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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		
NMAR8J	43.8	-0.2	0.2	263.7	-0.4	0.2	557.0	0.9	0.5	347.0	0.4	0.6	105.0	0.4	0.4
		-2.3	0.6		-25.2	2.3		63.2	6.9		19.7	7.5		5.5	1.7
BKK2HW	38.7	-0.7	1.2	290.0	0.0	1.1	463.3	-0.4	1.1	286.7	-0.9	1.3	89.0	-0.7	0.7
		-7.5	3.2		1.1	10.0		-30.5	15.3		-40.7	15.3		-10.5	3.5
F74V9R	45.0	-0.1	0.7	259.7	-0.5	0.4	530.7	0.5	0.7	337.3	0.2	0.2	100.0	0.0	0.4
		-1.2	2.0		-29.2	3.8		36.8	9.2		10.0	2.3		0.5	1.7
4Z6AEV	45.3	-0.1	0.2	267.7	-0.4	0.3	496.3	0.0	0.3	247.0	-1.8	0.2	76.0	-1.6	
		-0.9	0.6		-21.2	3.2		2.5	4.2		-80.4	2.6		-23.5	0.0
JYG73E	43.1	-0.3	0.3	262.5	-0.4	0.7	534.0	0.6	0.2	350.5	0.5	0.7	113.5	1.0	3.6
		-3.0	0.9		-26.3	6.3		40.2	3.1		23.1	8.4		14.0	18.0
Y82F73	7.9	-3.7	2.8	43.6	-4.2	0.7	66.9	-6.2	0.4	46.1	-6.3	0.9	15.3	-5.8	1.0
		-38.2	7.6		-245.3	6.2		-426.9	6.2		-281.3	10.0		-84.3	5.1
4P4LMY	47.6	0.1	0.5	281.1	-0.1	0.4	490.3	-0.1	0.2	294.9	-0.7	0.6	106.3	0.5	0.2
		1.4	1.4		-7.8	3.5		-3.5	2.2		-32.5	7.3		6.8	0.9
PECGCD	42.7	-0.3	1.1	275.3	-0.2	0.6	533.0	0.6	0.7	343.7	0.4	1.7	100.7	0.1	0.8
		-3.5	2.9		-13.5	5.1		39.2	9.2		16.3	19.9		1.2	4.2
NDHCHE	46.3	0.0	2.1	283.3	-0.1	0.6	446.7	-0.7	0.4	290.0	-0.8	0.9	95.7	-0.3	0.3
		0.2	5.7		-5.5	5.8		-47.2	5.8		-37.4	10.0		-3.8	1.5
PQMPE7	48.3	0.2	2.3	250.3	-0.7	0.3	522.7	0.4	0.4	343.3	0.4	0.1	107.3	0.5	0.1
		2.2	6.0		-38.5	2.5		28.8	6.1		16.0	1.5		7.8	0.6
UC8H62	48.0	0.2	0.0	312.0	0.4		483.0	-0.2		318.0	-0.2				
		1.8	0.0		23.1	0.0		-10.8	0.0		-9.4	0.0			
DLVLGJ	46.0	0.0		307.0	0.3		418.0	-1.1		313.0	-0.3		95.0	-0.3	
		-0.2	0.0		18.1	0.0		-75.8	0.0		-14.4	0.0		-4.5	0.0
DRWZ3L	40.3	-0.6	1.2	361.3	1.2	0.5	423.0	-1.0	0.6	146.7	-4.0	2.4	52.0	-3.3	2.0
		-5.8	3.2		72.5	5.0		-70.8	8.7		-180.7	28.5		-47.5	10.0
HBX9B8	47.8	0.2	1.3	306.0	0.3	0.7	468.0	-0.4	1.2	298.3	-0.6	1.5	95.7	-0.3	1.0
		1.6	3.6		17.1	6.1		-25.8	17.1		-29.0	17.0		-3.8	4.9
FFW7K9	61.2	1.4		361.3	1.2		570.3	1.1		354.5	0.6		113.7	1.0	
		15.0	0.0		72.4	0.0		76.4	0.0		27.2	0.0		14.2	0.0
7RJXFK	61.9	1.5	0.2	398.3	1.9	0.2	619.0	1.8	0.2	411.7	1.9	0.2	128.1	2.0	0.4
		15.8	0.5		109.5	2.2		125.2	3.2		84.3	2.5		28.6	2.1
FZ2NVA	70.5	2.3	0.9	490.7	3.4	0.7	763.3	3.9	1.3	358.0	0.7	0.6	118.0	1.3	
		24.3	2.4		201.8	6.1		269.5	17.2		30.7	6.9		18.5	0.0
Grand Median		46.2		288.9			493.8			327.4			99.5		
Median Abs Dev		5.8		28.3			33.7			21.9			6.8		
Avg Within Lab SD		2.7		9.3			13.8			11.7			4.9		
Labs Included		36		36			36			36			35		
Labs Reporting		36		36			36			36			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		

	Ca Ammonium Acetate (SubTestCode 141)			in the Bases (1:10) Property Groups									Data units: mg/kg		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
M9QMKW	680.9	0.0	1.1	5,968.5	0.3	1.7	5,785.9	0.9	2.4	1,446.2	0.8	1.5	655.3	0.5	0.3
		-3.6	29.6		531.5	335.3		1,292.2	367.7		178.1	70.9		57.2	7.5
NLDBVL	791.1	0.8	0.2	6,055.7	0.4	0.2	5,361.0	0.6	0.3	1,426.3	0.7	0.4	605.8	0.1	0.5
		106.6	6.3		618.6	31.8		867.3	41.6		158.2	21.0		7.7	12.6
CHC7CY	788.6	0.8	0.1	5,150.7	-0.2	0.1	3,905.9	-0.4	0.1	1,274.3	0.0	0.1	664.2	0.5	0.2
		104.1	1.8		-286.3	10.1		-587.7	9.0		6.2	2.9		66.0	3.8
QRTWTH	818.9	1.0	0.2	5,810.7	0.2	0.6	4,007.9	-0.3	0.4	1,336.0	0.3	0.8	622.2	0.2	0.2
		134.3	6.0		373.7	124.1		-485.8	63.7		67.9	39.3		24.0	5.4
7ZD6W6	675.3	-0.1	1.3	5,553.3	0.1	2.4	4,724.0	0.2	1.6	1,303.7	0.2	0.2	586.3	-0.1	1.2
		-9.2	35.2		116.3	491.5		230.3	237.1		35.5	8.3		-11.8	29.9
49HZ39	661.0	-0.2	2.8	3,975.0	-1.0	1.0	3,640.3	-0.6	1.1	1,336.7	0.3	2.0	613.3	0.1	1.8
		-23.5	73.7		-1,462.0	193.9		-853.3	172.5		68.5	93.5		15.2	45.6
E7WXNW	594.7	-0.7	0.2	5,350.3	-0.1	0.3	5,380.7	0.6	0.3	1,163.3	-0.5	0.9	453.3	-1.2	0.5
		-89.9	5.5		-86.7	53.5		887.0	40.8		-104.8	44.7		-144.8	13.1
TJAAWJ	760.0	0.6	0.1	4,808.7	-0.4	1.3	4,419.0	-0.1	0.0	1,350.7	0.4	0.2	506.7	-0.7	0.1
		75.5	3.0		-628.4	266.0		-74.7	5.3		82.5	10.7		-91.5	1.5
HBXDMV	581.3	-0.8	0.7	4,784.7	-0.4	0.7	3,259.0	-0.8	1.0	1,055.0	-1.0	0.9	481.7	-0.9	0.0
		-103.2	19.1		-652.4	151.0		-1,234.7	154.2		-213.2	41.1		-116.5	1.2
9NWXA4	713.2	0.2	0.2	5,718.7	0.2	0.4	4,493.0	0.0	0.6	1,127.0	-0.7	0.1	596.3	0.0	0.1
		28.6	5.6		281.7	71.5		-0.7	92.4		-141.1	4.4		-1.9	2.4
CTDWTZ	810.0	0.9	0.4	6,009.0	0.4	0.2	5,188.3	0.5	0.1	1,437.0	0.8	0.3	684.7	0.7	0.2
		125.5	10.0		572.0	47.5		694.7	12.6		168.8	12.5		86.5	4.0
YZZZJF	854.0	1.2	0.4	5,470.4	0.0	0.2	4,089.1	-0.3	0.3	1,302.1	0.2	0.2	693.7	0.8	0.3
		169.5	10.5		33.4	43.3		-404.5	39.6		33.9	8.0		95.6	8.2
8BQPU8	848.7	1.2	0.4	8,056.7	1.7	0.8	6,333.3	1.3	0.6	1,390.0	0.6	0.4	710.3	0.9	0.9
		164.1	11.0		2,619.6	151.4		1,839.7	90.7		121.8	20.0		112.2	21.7
ALN6UV	650.7	-0.2	0.1	4,810.7	-0.4	0.0	4,392.3	-0.1	0.0	1,284.3	0.1	0.1	585.3	-0.1	0.1
		-33.9	3.8		-626.4	4.0		-101.3	5.9		16.2	4.0		-12.8	2.5
JR33FL	544.3	-1.0	0.5	3,991.0	-0.9	0.7	3,150.0	-0.9	0.2	1,206.7	-0.3	1.4	517.7	-0.6	0.8
		-140.2	14.0		-1,446.0	138.9		-1,343.7	36.1		-61.5	64.3		-80.5	19.7
W9HRV9	676.7	-0.1	0.7	5,379.0	0.0	0.4	4,494.3	0.0	1.5	1,234.0	-0.2	0.4	561.3	-0.3	1.1
		-7.9	19.1		-58.0	73.0		0.7	228.5		-34.2	20.9		-36.8	27.7
ZK39D6	854.7	1.2	1.8	8,420.0	2.0	1.5	6,271.3	1.2	2.8	1,295.3	0.1	1.7	721.3	1.0	2.1
		170.1	47.2		2,983.0	304.4		1,777.7	420.6		27.2	82.3		123.2	52.5
NDLV7H	735.6	0.4	0.8	5,403.7	0.0	0.3	4,893.7	0.3	0.6	1,355.3	0.4	0.8	649.7	0.4	1.0
		51.0	21.4		-33.4	53.5		400.0	90.0		87.2	36.5		51.6	25.4
BAQLTV	510.0	-1.3	0.7	5,518.0	0.1	0.9	3,511.5	-0.7	0.3	1,190.0	-0.4	0.8	357.5	-1.9	0.3
		-174.5	19.8		81.0	186.7		-982.2	44.5		-78.2	36.8		-240.6	6.4
B6T2QW	72.6	-4.5	0.1	549.5	-3.2	0.0	490.0	-2.8	0.0	130.4	-5.4	0.0	57.9	-4.3	0.1
		-611.9	2.0		-4,887.5	9.0		-4,003.7	2.3		-1,137.7	2.1		-540.3	1.7



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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		
NMAR8J	722.7	0.3	0.3	5,161.7	-0.2	0.5	4,766.7	0.2	0.2	1,262.0	0.0	0.6	651.7	0.4	0.2
		38.1	7.8		-275.4	104.9		273.0	27.0		-6.2	27.9		53.5	4.5
BKK2HW	653.3	-0.2	0.6	4,600.0	-0.5	0.5	3,233.3	-0.9	0.4	1,066.7	-1.0	1.2	536.7	-0.5	0.5
		-31.2	15.3		-837.0	100.0		-1,260.3	57.7		-201.5	57.7		-61.5	11.5
F74V9R	704.4	0.1	0.8	5,055.3	-0.3	0.7	4,765.7	0.2	0.3	1,312.3	0.2	0.4	617.5	0.2	0.1
		19.9	22.0		-381.7	132.2		272.0	45.1		44.1	18.0		19.3	1.4
4Z6AEV	830.3	1.1	0.3	5,584.3	0.1	0.1	5,276.3	0.5	0.1	1,631.0	1.7	0.1	809.7	1.7	0.2
		145.8	7.5		147.3	22.5		782.7	22.7		362.8	4.6		211.5	5.1
JYG73E	621.6	-0.5	0.7	4,343.6	-0.7	0.7	3,875.2	-0.4	0.5	1,171.9	-0.5	0.5	594.5	0.0	2.7
		-63.0	17.8		-1,093.5	148.1		-618.4	72.2		-96.2	25.8		-3.7	68.4
Y82F73	192.3	-3.6	2.0	1,258.1	-2.7	0.6	1,070.0	-2.4	0.5	301.2	-4.6	0.8	174.8	-3.4	1.6
		-492.3	51.9		-4,178.9	125.2		-3,423.7	72.7		-967.0	39.6		-423.4	39.1
4P4LMY	745.1	0.4	2.0	6,532.6	0.7	0.3	5,037.8	0.4	0.4	1,174.7	-0.4	1.4	635.6	0.3	1.6
		60.5	52.7		1,095.6	69.9		544.1	65.1		-93.5	68.1		37.5	40.9
PECGCD	731.3	0.3	1.3	5,763.7	0.2	0.8	5,009.0	0.4	1.5	1,335.7	0.3	1.9	631.7	0.3	1.5
		46.8	33.6		326.6	161.3		515.3	235.2		67.5	91.5		33.5	38.3
NDHCHE	640.0	-0.3	1.4	6,300.0	0.6	1.7	4,266.7	-0.2	0.4	1,020.0	-1.2	1.5	530.0	-0.5	1.4
		-44.5	36.1		863.0	346.4		-227.0	57.7		-248.2	69.3		-68.1	34.6
PQMPE7	681.3	0.0	1.0	4,806.3	-0.4	0.1	4,771.0	0.2	0.3	1,373.7	0.5	0.2	669.0	0.6	
		-3.2	26.6		-630.7	13.7		277.3	39.2		105.5	11.0		70.9	0.0
DLVLGJ	500.0	-1.3		4,880.0	-0.4		2,530.0	-1.3		820.0	-2.1		400.0	-1.6	
		-184.5	0.0		-557.0	0.0		-1,963.7	0.0		-448.2	0.0		-198.1	0.0
YJCQYX	654.0	-0.2	1.4	5,343.7	-0.1	1.2	4,763.7	0.2	1.2	1,192.7	-0.4	1.0	528.3	-0.6	1.2
		-30.5	37.3		-93.4	242.1		270.0	184.9		-75.5	46.5		-69.8	31.0
DRWZ3L	873.3	1.4	0.6	7,665.0	1.5	1.9	2,837.3	-1.1	1.1	841.0	-2.0	1.0	470.7	-1.0	0.5
		188.8	15.3		2,228.0	392.1		-1,656.3	164.8		-427.2	48.6		-127.5	12.3
HBX9B8	673.3	-0.1	1.2	5,620.0	0.1	0.1	4,273.3	-0.2	1.3	1,093.3	-0.8	2.0	600.0	0.0	1.6
		-11.2	30.6		183.0	20.0		-220.3	201.3		-174.8	94.5		1.9	40.0
FFW7K9	856.2	1.3		8,395.6	1.9		6,912.2	1.7		1,344.0	0.4		671.4	0.6	
		171.7	0.0		2,958.6	0.0		2,418.5	0.0		75.8	0.0		73.3	0.0
7RJXFK	687.8	0.0	0.4	9,863.7	2.9	0.1	9,812.9	3.7	0.1	1,310.6	0.2	1.5	515.9	-0.7	0.3
		3.2	10.5		4,426.6	24.2		5,319.2	16.9		42.4	68.6		-82.2	7.8
FZ2NVA	763.0	0.6	1.0	8,704.3	2.1	2.9	5,724.7	0.8	2.5	1,245.7	-0.1	1.2	734.0	1.1	0.9
		78.5	27.2		3,267.3	575.9		1,231.0	377.1		-22.5	57.4		135.9	23.3
Grand Median		684.5			5,437.0			4,493.7			1,268.2			598.1	
Median Abs Dev		69.2			595.3			656.6			84.8			69.0	
Avg Within Lab SD		26.5			201.7			152.5			47.3			25.1	
Labs Included		36			36			36			36			36	
Labs Reporting		36			36			36			36			36	



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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	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
M9QMKW	210.1	0.4	1.8	454.9	0.3	1.1	432.4	1.1	0.3	193.8	0.8	0.7	147.4	0.6	1.0		
		11.6	12.8		26.2	12.4		76.8	3.4		20.7	3.7		13.4	4.5		
NLDBVL	236.0	1.1	0.4	478.3	0.5	0.7	399.5	0.7	0.6	191.5	0.7	0.3	134.6	0.0	0.9		
		37.5	2.9		49.6	7.5		43.8	7.2		18.4	1.6		0.5	3.9		
CHC7CY	215.7	0.5	0.1	436.9	0.1	0.2	332.6	-0.3	0.0	163.8	-0.4	0.5	143.4	0.4	0.8		
		17.2	1.0		8.3	2.2		-23.0	0.1		-9.4	2.8		9.3	3.7		
QRTWTH	216.5	0.5	0.1	456.9	0.3	1.0	338.7	-0.3	0.4	165.6	-0.3	0.5	129.1	-0.2	0.5		
		18.0	0.5		28.2	10.6		-17.0	4.9		-7.5	2.3		-5.0	2.3		
7ZD6W6	161.0	-1.1	2.3	387.3	-0.4	2.0	350.7	-0.1	0.3	154.3	-0.8	0.5	120.3	-0.6	2.2		
		-37.5	16.5		-41.3	22.3		-5.0	2.9		-18.8	2.5		-13.7	10.1		
49HZ39	199.7	0.0	1.3	370.7	-0.6	0.8	347.0	-0.1	0.7	180.7	0.3	1.7	141.0	0.3	1.0		
		1.2	9.1		-58.0	8.4		-8.7	8.2		7.5	8.5		7.0	4.6		
E7WXNW	187.7	-0.3	0.4	436.7	0.1	1.0	419.3	0.9	0.5	168.3	-0.2	0.6	105.0	-1.2	0.9		
		-10.8	3.1		8.0	10.8		63.7	5.5		-4.8	3.1		-29.0	4.0		
TJAAWJ	197.3	0.0	0.2	392.0	-0.4	0.6	362.7	0.1	0.4	175.0	0.1	0.7	114.7	-0.8	0.1		
		-1.2	1.5		-36.7	6.9		7.0	4.2		1.8	3.6		-19.4	0.6		
HBXDMV	182.1	-0.5	0.1	416.8	-0.1	0.4	318.1	-0.6	0.3	156.3	-0.7	0.6	121.4	-0.5	0.0		
		-16.4	0.4		-11.8	4.4		-37.5	3.7		-16.8	2.9		-12.6	0.1		
9NWXA4	201.9	0.1	0.5	452.6	0.3	0.4	311.4	-0.7	0.3	157.2	-0.6	0.2	133.5	0.0	0.4		
		3.4	3.4		24.0	3.9		-44.3	3.5		-16.0	1.1		-0.5	1.9		
CTDWTZ	229.7	1.0	0.6	479.0	0.5	0.3	396.7	0.6	0.3	213.0	1.6	0.5	150.3	0.7	0.3		
		31.2	4.5		50.3	3.6		41.0	3.8		39.8	2.6		16.3	1.2		
YZZZJF	222.9	0.7	0.7	459.9	0.3	0.1	339.0	-0.2	0.1	171.7	-0.1	0.2	148.0	0.6	0.4		
		24.4	4.8		31.3	1.1		-16.6	1.0		-1.4	1.2		14.0	2.0		
8BQPU8	214.7	0.5	1.0	563.0	1.5	1.0	389.7	0.5	0.7	171.3	-0.1	0.6	150.3	0.7	1.8		
		16.2	7.4		134.3	11.0		34.0	8.5		-1.8	3.2		16.3	8.1		
ALN6UV	187.0	-0.4	0.1	398.0	-0.3	0.2	384.3	0.4	0.2	183.7	0.4	0.4	138.0	0.2	0.6		
		-11.5	1.0		-30.7	2.0		28.7	2.1		10.5	2.1		4.0	2.6		
JR33FL	163.3	-1.1	0.4	370.7	-0.6	1.2	334.3	-0.3	0.4	174.3	0.0	1.5	121.3	-0.5	1.1		
		-35.2	3.2		-58.0	12.9		-21.3	4.9		1.2	7.6		-12.7	4.9		
W9HRV9	177.7	-0.6	0.7	400.7	-0.3	0.4	412.7	0.8	0.5	167.7	-0.2	0.2	123.0	-0.5	0.4		
		-20.8	4.9		-28.0	4.2		57.0	5.5		-5.5	1.2		-11.0	1.7		
ZK39D6	232.7	1.0	2.3	574.0	1.6	1.5	357.7	0.0	1.7	177.3	0.2	1.1	158.0	1.0	1.9		
		34.2	16.6		145.3	16.5		2.0	19.4		4.2	5.7		24.0	8.7		
NDLV7H	196.9	0.0	0.4	412.7	-0.2	0.7	365.4	0.1	1.2	183.6	0.4	1.2	137.8	0.2	1.1		
		-1.6	2.9		-16.0	7.9		9.7	14.2		10.5	6.2		3.8	5.2		
BAQLTV	139.0	-1.8	0.6	352.0	-0.8	0.5	253.0	-1.5	1.2	172.0	0.0	1.1	81.0	-2.3	0.6		
		-59.5	4.2		-76.7	5.7		-102.7	14.1		-1.2	5.7		-53.0	2.8		
B6T2QW	21.1	-5.4	0.1	40.7	-4.2	0.1	35.2	-4.8	0.1	18.0	-6.2	0.1	13.4	-5.2	0.1		
		-177.4	0.8		-388.0	0.7		-320.5	0.7		-155.1	0.4		-120.6	0.3		



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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		
NMAR8J	202.0	0.1	0.6	396.0	-0.4	0.4	353.7	0.0	0.1	182.0	0.4	0.2	141.7	0.3	0.5
		3.5	4.6		-32.7	4.6		-2.0	0.6		8.8	1.0		7.6	2.1
BKK2HW	183.3	-0.5	0.8	420.0	-0.1	1.6	316.7	-0.6	1.0	156.7	-0.7	1.1	123.3	-0.5	1.3
		-15.2	5.8		-8.7	17.3		-39.0	11.5		-16.5	5.8		-10.7	5.8
F74V9R	188.8	-0.3	0.6	377.6	-0.6	1.3	358.4	0.0	0.5	177.7	0.2	0.4	129.6	-0.2	0.8
		-9.7	4.1		-51.1	13.7		2.7	6.2		4.6	2.2		-4.5	3.5
4Z6AEV	218.7	0.6	0.8	429.3	0.0	0.2	384.3	0.4	0.3	198.0	1.0	0.7	162.3	1.2	0.3
		20.2	5.5		0.7	2.1		28.7	3.5		24.8	3.6		28.3	1.5
JYG73E	196.5	-0.1	0.9	401.5	-0.3	0.7	364.1	0.1	0.1	178.4	0.2	1.1	139.3	0.2	1.6
		-2.0	6.3		-27.2	7.4		8.5	0.8		5.3	5.6		5.2	7.1
Y82F73	24.6	-5.3	0.1	62.5	-4.0	0.5	42.4	-4.7	0.1	18.1	-6.2	0.6	13.9	-5.1	0.3
		-173.9	0.8		-366.2	5.0		-313.3	1.1		-155.1	3.1		-120.1	1.5
PECGCD	218.3	0.6	1.1	486.7	0.6	0.6	407.7	0.8	1.0	209.3	1.4	2.4	148.7	0.6	0.9
		19.8	8.0		58.0	6.1		52.0	11.4		36.2	12.5		14.6	4.0
NDHCHE	183.3	-0.5	0.8	436.7	0.1	1.1	296.7	-0.9	0.5	143.3	-1.2	1.1	123.3	-0.5	1.3
		-15.2	5.8		8.0	11.5		-59.0	5.8		-29.8	5.8		-10.7	5.8
PQMPE7	179.0	-0.6	0.6	364.3	-0.7	0.5	358.7	0.0	0.1	174.7	0.1	0.7	136.0	0.1	0.2
		-19.5	4.6		-64.3	5.0		3.0	1.5		1.5	3.5		2.0	1.0
DLVLGJ	182.0	-0.5		428.0	0.0		258.0	-1.5		138.0	-1.4		113.0	-0.9	
		-16.5	0.0		-0.7	0.0		-97.7	0.0		-35.2	0.0		-21.0	0.0
YJCQYX	205.3	0.2	2.6	590.3	1.8	0.9	518.7	2.4	0.8	194.7	0.9	1.0	128.0	-0.3	1.5
		6.8	18.6		161.7	10.0		163.0	9.3		21.5	5.0		-6.0	6.9
DRWZ3L	218.0	0.6	0.5	437.0	0.1	1.4	256.3	-1.5	2.2	116.0	-2.3	1.4	102.0	-1.4	0.6
		19.5	3.6		8.3	15.6		-99.3	25.5		-57.2	7.0		-32.0	2.6
HBX9B8	202.0	0.1	1.0	472.0	0.5		331.0	-0.4	1.2	157.0	-0.6	2.3	141.0	0.3	1.5
		3.5	6.9		43.3	0.0		-24.7	13.9		-16.2	12.0		7.0	6.9
FFW7K9	241.0	1.3		624.7	2.1		407.8	0.8		178.9	0.2		146.0	0.5	
		42.5	0.0		196.0	0.0		52.1	0.0		5.7	0.0		12.0	0.0
7RJXFK	270.0	2.2	0.9	730.0	3.3	0.3	451.2	1.4	0.5	213.7	1.6	0.6	170.2	1.5	0.0
		71.5	6.2		301.3	3.8		95.5	5.3		40.5	3.0		36.1	0.2
FZ2NVA	294.0	2.9	1.0	721.7	3.2	3.1	532.0	2.6	3.9	244.0	2.8	1.5	206.7	3.1	1.3
		95.5	7.2		293.0	34.2		176.3	45.3		70.8	7.8		72.6	5.9
Grand Median		198.5			428.7			355.7			173.2			134.0	
Median Abs Dev		16.9			34.7			35.8			10.5			12.3	
Avg Within Lab SD		7.2			10.9			11.5			5.1			4.6	
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		
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
M9QMKW	9.9	-0.1	0.1	62.1	0.5	1.5	157.9	-2.7	0.0	26.5	0.6	3.2	15.2	0.3	2.1		
		-0.7	0.3		8.1	5.7		-543.8	0.2		4.8	8.7		2.0	5.6		
NLDBVL	12.3	0.2	0.9	54.1	0.0	0.2	868.8	0.8	0.5	23.0	0.2	0.1	10.4	-0.4	0.2		
		1.7	1.9		0.1	0.7		167.1	11.1		1.3	0.4		-2.8	0.4		
CHC7CY	10.9	0.0	0.1	49.9	-0.3	0.1	651.6	-0.2	0.0	23.5	0.2	0.1	14.1	0.1	0.1		
		0.3	0.2		-4.1	0.5		-50.1	0.9		1.8	0.2		0.9	0.3		
QRTWTH	7.9	-0.4	0.6	55.8	0.1	0.3	709.4	0.0	0.5	15.3	-0.8	0.4	9.0	-0.6	0.2		
		-2.7	1.3		1.8	1.2		7.8	13.3		-6.4	1.2		-4.3	0.4		
7ZD6W6	5.3	-0.7	0.7	46.0	-0.5	1.5	695.3	0.0	0.9	28.7	0.8	1.5	8.3	-0.6	0.8		
		-5.3	1.5		-8.0	5.6		-6.3	22.3		6.9	4.0		-4.9	2.1		
49HZ39	10.3	0.0	0.5	46.7	-0.5	0.4	701.7	0.0	0.8	46.0	3.0	1.0	17.3	0.5	1.2		
		-0.3	1.2		-7.3	1.5		0.0	18.8		24.3	2.6		4.1	3.2		
E7WXNW	11.0	0.1	0.5	32.3	-1.4	0.4	447.7	-1.3	0.2	21.7	0.0	0.2	11.7	-0.2	0.2		
		0.4	1.0		-21.7	1.5		-254.0	6.1		-0.1	0.6		-1.6	0.6		
TJAAWJ	16.1	0.7	0.4	40.7	-0.8	0.1	546.1	-0.8	0.1	21.1	-0.1	0.3	15.7	0.3	0.0		
		5.5	0.8		-13.3	0.5		-155.5	3.7		-0.6	0.7		2.4	0.1		
HBXDMV	14.6	0.5	1.2	57.2	0.2	0.5	729.7	0.1	0.4	21.8	0.0	0.4	11.0	-0.3	0.3		
		4.0	2.7		3.2	2.1		28.0	10.5		0.1	1.0		-2.2	0.9		
9NWXA4	8.9	-0.2	0.9	53.7	0.0	0.4	640.8	-0.3	0.7	19.1	-0.3	0.7	12.4	-0.1	0.7		
		-1.7	1.9		-0.3	1.4		-60.9	16.4		-2.7	1.8		-0.8	2.0		
CTDWTZ	29.0	2.4	0.5	61.0	0.4	0.3	804.0	0.5	0.2	26.3	0.6	0.2	19.3	0.8	0.2		
		18.4	1.0		7.0	1.0		102.3	5.6		4.6	0.6		6.1	0.6		
8BQPU8	7.3	-0.4	0.3	58.0	0.3	0.5	751.7	0.2	0.6	14.3	-0.9	0.2	11.3	-0.2	0.4		
		-3.3	0.6		4.0	1.7		50.0	15.5		-7.4	0.6		-1.9	1.2		
ALN6UV	15.0	0.6	0.5	56.6	0.2	0.3	814.7	0.6	0.2	25.9	0.5	0.2	17.5	0.6	0.2		
		4.4	1.0		2.6	1.2		113.0	4.2		4.2	0.6		4.2	0.5		
JR33FL	4.0	-0.8	0.5	41.0	-0.8	0.5	722.3	0.1	0.2	17.0	-0.6	0.6	10.7	-0.3	0.8		
		-6.6	1.0		-13.0	1.7		20.7	5.1		-4.7	1.7		-2.6	2.1		
ZK39D6	49.0	4.9	3.3	98.0	2.8	3.3	764.7	0.3	2.9	41.7	2.4	1.0	47.3	4.5	3.4		
		38.4	7.2		44.0	12.5		63.0	70.5		19.9	2.9		34.1	9.3		
BAQLTV	7.0	-0.5	0.7	61.0	0.4	1.1	666.5	-0.2	0.4	19.0	-0.3	0.5	10.0	-0.4			
		-3.6	1.4		7.0	4.2		-35.2	9.2		-2.7	1.4		-3.2	0.0		
NMAR8J	11.9	0.2	0.2	49.5	-0.3	0.5	789.0	0.4	0.2	21.3	0.0	0.1	14.4	0.2	0.0		
		1.3	0.4		-4.5	1.9		87.3	4.0		-0.4	0.3		1.2	0.1		
BKK2HW	13.7	0.4	0.7	56.0	0.1	1.1	650.0	-0.3		20.7	-0.1	0.6	16.7	0.5	0.2		
		3.1	1.5		2.0	4.4		-51.7	0.0		-1.1	1.5		3.4	0.6		
F74V9R	10.9	0.0	0.3	44.3	-0.6	0.1	702.5	0.0	0.5	20.8	-0.1	0.2	14.0	0.1	0.4		
		0.3	0.6		-9.7	0.2		0.9	11.5		-1.0	0.6		0.8	1.1		
JYG73E	15.2	0.6	0.7	49.8	-0.3	0.4	333.7	-1.8	0.0	22.0	0.0	0.2	21.2	1.0	1.3		
		4.6	1.6		-4.2	1.6		-368.0	0.4		0.3	0.6		8.0	3.6		



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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		
Y82F73	4.3	-0.8	2.8	8.8	-2.9	1.4	78.3	-3.1	0.3	7.0	-1.8	2.4	4.7	-1.1	1.8
PECGCD	7.0	-6.3	6.0	48.7	-45.2	5.2	849.7	-623.3	8.0	30.0	-14.8	6.6	12.0	-8.5	5.0
NDHCHE	18.0	-0.5	0.5	59.7	-0.3	0.8	653.3	0.7	1.2	23.7	1.0	1.7	20.3	-0.2	0.4
DLVLGJ		-3.6	1.0	54.0	-5.3	3.2	673.0	148.0	29.5		8.3	4.6		-1.2	1.0
YJCQYX	7.2	0.9	1.4	83.2	0.4	1.1	1,003.0	-0.2	0.5	24.9	0.2	0.4	10.6	0.9	0.9
DRWZ3L	2.9	7.4	3.0	65.4	5.7	4.0	429.0	-48.3	11.5	7.7	1.9	1.2	5.9	7.1	2.5
HBX9B8	4.6			52.1	0.0	0.0	621.0	-0.1		13.0			8.4		
FFW7K9	12.8			65.3	0.0	0.0	811.6	-28.7	0.0	20.8	0.4		16.3	-0.3	
7RJXFK	6.5	-0.4	0.0	22.3	1.9		873.4	1.5		29.6	0.4		30.8	-2.6	0.0
FZ2NVA	27.1	-3.4	0.0	318.7	29.2	0.0	1,296.0	-301.3	0.0	65.4	3.2	0.0	28.7	-1.0	1.2
		-1.0	0.2		0.7	2.3		-1.4	3.8		-1.7	0.9		-7.4	3.4
		-0.8	0.0		11.4	8.8		-272.7	92.0		-14.0	2.6		-0.6	0.5
		-6.0	0.0		-0.1	0.3		-0.4	1.1		-1.1	1.0		-4.8	1.3
		0.3			-1.9	1.3		-80.7	26.0		-0.1			0.4	
		2.2	0.0		0.7			0.5			-0.9	0.0		3.1	0.0
		-0.5	0.6		11.3	0.0		109.9	0.0		1.0	1.1		2.3	0.9
		-4.1	1.3		-2.0	0.8		0.9	0.5		7.9	3.1		17.6	2.5
		2.1	0.6		-31.7	2.9		171.7	11.8		5.3	0.5		2.0	0.0
		16.5	1.4		16.8	0.3		2.9	2.0		43.7	1.4		15.5	0.0
					264.7	1.2		594.3	49.0						
Grand Median		10.6			54.0			701.7			21.7			13.2	
Median Abs Dev		3.6			7.0			80.7			3.7			3.2	
Avg Within Lab SD		2.2			3.8			24.5			2.8			2.7	
Labs Included		28			29			29			28			28	
Labs Reporting		28			29			29			28			28	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1506	SRSSRS1507	SRSSRS1508	SRSSRS1509	SRSSRS1510							
JGWHQY	28.8	0.6	165.3	0.2	320.1	0.1	292.0	0.3	73.9	0.6		
		1.1		0.5		1.7		2.3		1.9		
B6T2QW	44.3	1.2	187.0	0.7	324.7	0.5	309.7	0.3	87.3	0.5		
		2.1		1.7		5.5		2.3		1.5		
YJCQYX	42.0	1.1	189.0	1.6	341.3	1.7	311.7	1.7	87.0	1.5		
		2.0		3.6		19.3		13.6		4.4		
Grand Median	42.0		187.0		324.7		309.7		87.0			
Median Abs Dev												
Avg Within Lab SD	1.8		2.3		11.7		8.1		2.9			
Labs Included	3		3		3		3		3			
Labs Reporting	3		3		3		3		3			



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1506	SRSSRS1507	SRSSRS1508	SRSSRS1509	SRSSRS1510							
P4A2NU	41.7	0.4	237.3	0.8	310.7	0.1	293.3	1.0	91.0	0.2		
		2.5		5.5		0.6		5.5		1.0		
9NWXA4	63.1	1.6	264.3	1.3	316.9	1.6	315.3	0.6	106.9	1.0		
		10.0		8.4		15.5		3.0		6.0		
HBX9B8	65.0	0.6	286.0	0.8	377.0	0.7	358.3	1.3	124.7	1.4		
		3.6		5.6		6.6		6.8		8.1		
Grand Median	63.1		264.3		316.9		315.3		106.9			
Median Abs Dev												
Avg Within Lab SD	6.3		6.6		9.7		5.3		5.9			
Labs Included	3		3		3		3		3			
Labs Reporting	3		3		3		3		3			



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
394EVR	40.0	1.0	304.0	1.3	405.0	1.3	306.3	1.4	91.3	1.2	
		5.0		15.1		31.0		40.2		5.1	
HBX9B8	46.3	1.0	230.7	0.6	269.3	0.6	270.7	0.4	95.0	0.8	
		5.1		6.5		15.0		11.7		3.5	
Grand Median	43.2		267.3		337.2		288.5		93.2		
Median Abs Dev											
Avg Within Lab SD	5.1		11.6		24.4		29.6		4.4		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
394EVR	669.7	1.0	20,559.0	1.0	7,642.0	1.0	1,037.0	1.0	527.7	1.0	
		74.0		2,850.7		397.2		61.0		25.4	
Grand Median		669.7		20,559.0		7,642.0		1,037.0		527.7	
Median Abs Dev											
Avg Within Lab SD		74.0		2,850.7		397.2		61.0		25.4	
Labs Included		1		1		1		1		1	
Labs Reporting		1		1		1		1		1	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
NLDBVL	0.607	1.000	0.010	1.000	0.010	1.000	0.043	1.000	0.594	1.371	
		0.165		0.000		0.000		0.024		0.345	
C7JPMX									1.310	0.347	
										0.087	
Grand Median		0.61		0.010		0.010		0.043		0.95	
Median Abs Dev											
Avg Within Lab SD		0.16		0.000		0.000		0.024		0.25	
Labs Included		1		1		1		1		2	
Labs Reporting		1		1		1		1		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		

Mehlich-1, P (SubTestCode 149)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
YZZZJF	44.2	-0.1	0.2	12.4	-0.1	0.1	107.2	0.0	0.3	77.9	0.0	0.4	8.1	-0.2	0.1
		-5.7	0.4		-2.2	0.1		0.0	1.2		0.0	0.7		-0.9	0.0
C7JPMX	49.9	0.0	0.8	14.6	0.0	1.1	122.1	0.4	1.3	75.2	-0.3	1.2	9.0	0.0	0.3
		0.0	1.4		0.0	1.1		14.9	5.3		-2.7	2.1		0.0	0.1
TK6TZ7	57.0	0.1	0.6	17.0	0.1		139.7	1.0	1.6	97.0	2.3	1.1	10.3	0.2	1.5
		7.1	1.0		2.4	0.0		32.4	6.5		19.1	2.0		1.3	0.6
QMYWF9	45.5	-0.1	0.8	11.5	-0.2		99.0	-0.2	0.7	78.3	0.1	0.6	7.8	-0.2	0.8
		-4.4	1.3		-3.1	0.0		-8.2	2.8		0.4	1.0		-1.2	0.3
KL8QVA	200.3	3.0	1.8	65.0	2.9	1.9	50.2	-1.7	0.3	72.3	-0.7	1.3	25.6	2.8	1.4
		150.4	3.1		50.3	1.8		-57.0	1.1		-5.6	2.3		16.6	0.6
Grand Median		49.9		14.6			107.2			77.9			9.00		
Median Abs Dev		5.7		2.4			14.9			2.7			1.17		
Avg Within Lab SD		1.7		0.9			4.0			1.8			0.38		
Labs Included		5		5			5			5			5		
Labs Reporting		5		5			5			5			5		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
YZZZJF	34.5	0.0	0.1	100.2	0.0	0.1	125.2	-0.1	0.4	256.9	-0.2	0.2	70.6	-0.4	0.6	
		0.0	0.1		0.0	0.5		-9.4	1.8		-6.8	0.7		-4.1	0.9	
C7JPMX	36.9	0.5	1.3	112.8	0.3	0.3	135.5	0.0	0.1	266.9	0.1	1.6	83.3	0.9	0.7	
		2.4	1.1		12.5	1.0		0.8	0.3		3.2	7.8		8.7	1.0	
TK6TZ7	32.0	-0.5	1.2	96.3	-0.1	1.3	134.7	0.0	0.2	263.7	0.0	1.0	72.0	-0.3	0.7	
		-2.5	1.0		-3.9	4.0		0.0	1.2		0.0	4.7		-2.7	1.0	
QMYWF9	33.3	-0.2	0.7	99.8	0.0	0.4	119.0	-0.1	0.4	250.2	-0.4	0.7	74.7	0.0	0.7	
		-1.2	0.6		-0.4	1.3		-15.7	2.0		-13.5	3.3		0.0	1.0	
KL8QVA	45.1	2.2	1.2	248.5	3.0	1.8	486.7	3.1	2.1	343.8	2.6	1.0	93.3	1.8	1.8	
		10.6	1.0		148.2	5.6		352.1	10.3		80.1	5.0		18.7	2.6	
Grand Median	34.5		100.2			134.7			263.7			74.7				
Median Abs Dev	2.4		3.9			9.4			6.8			4.1				
Avg Within Lab SD	0.8		3.2			4.8			4.9			1.4				
Labs Included	5		5			5			5			5				
Labs Reporting	5		5			5			5			5				



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1506	SRSSRS1507	SRSSRS1508	SRSSRS1509	SRSSRS1510										
YZZZJF	891.1	0.7	0.6	4,602.6	-0.3	0.3	4,339.1	-0.2	0.1	1,534.8	0.4	0.5	585.8	0.0	0.2
		55.0	12.2		-315.8	33.7		-200.2	11.4		36.1	23.8		0.0	4.3
C7JPMX	812.1	-0.3	1.9	4,918.3	0.0	0.5	4,539.3	0.0	0.1	1,337.0	-1.7	1.1	566.1	-0.5	0.7
		-24.1	40.7		0.0	44.0		0.0	11.6		-161.6	50.4		-19.7	14.1
TK6TZ7	938.0	1.4	0.6	5,755.7	0.7	0.6	5,439.0	0.9	1.0	1,579.3	0.8	1.7	644.3	1.4	1.0
		101.8	14.0		837.3	58.1		899.7	79.7		80.7	77.2		58.5	19.6
QMYWF9	836.2	0.0	0.4	4,371.0	-0.5	0.1	4,161.3	-0.4	0.4	1,447.0	-0.5	0.2	565.0	-0.5	1.1
		0.0	8.9		-547.3	10.6		-377.9	35.9		-51.7	8.7		-20.8	23.1
KL8QVA	766.1	-0.9	0.8	7,098.1	1.9	2.1	6,314.5	1.8	2.0	1,498.7	0.0	0.9	632.1	1.1	1.5
		-70.1	16.7		2,179.8	200.3		1,775.2	158.5		0.0	41.6		46.3	31.5
Grand Median	836.2			4,918.3			4,539.3			1,498.7			585.8		
Median Abs Dev	55.0			547.3			377.9			51.7			20.8		
Avg Within Lab SD	21.7			96.6			81.3			46.7			20.6		
Labs Included	5			5			5			5			5		
Labs Reporting	5			5			5			5			5		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
YZZZJF	212.1	0.2	0.1	347.0	-0.3	0.6	253.0	-0.2	0.4	180.1	0.0	0.1	126.6	0.0	0.3	
		2.1	0.5		-28.7	4.0		-25.0	2.7		0.0	0.8		-0.4	2.1	
C7JPMX	208.7	-0.1	1.6	469.6	0.9	0.6	297.6	0.2	0.7	180.6	0.0	1.2	141.1	0.7	0.6	
		-1.3	7.7		93.9	4.1		19.6	5.1		0.5	9.4		14.1	3.5	
TK6TZ7	207.0	-0.2	0.8	375.7	0.0	0.9	278.0	0.0	0.3	180.0	0.0	0.6	124.7	-0.1	0.3	
		-3.0	4.0		0.0	6.1		0.0	2.0		-0.1	4.4		-2.3	2.1	
QMYWF9	210.0	0.0	0.4	347.7	-0.3	0.6	248.0	-0.3	0.1	168.0	-0.6	0.6	127.0	0.0	0.4	
		0.0	2.0		-28.0	3.8		-30.0	0.9		-12.1	4.6		0.0	2.6	
KL8QVA	245.2	2.9	1.3	568.0	1.9	1.7	548.1	2.6	2.1	239.4	2.8	1.7	175.0	2.5	2.1	
		35.2	6.1		192.3	11.3		270.1	15.7		59.2	13.3		48.0	12.8	
Grand Median	210.0			375.7			278.0			180.1			127.0			
Median Abs Dev	2.1			28.7			25.0			0.5			2.3			
Avg Within Lab SD	4.8			6.5			7.5			7.8			6.2			
Labs Included	5			5			5			5			5			
Labs Reporting	5			5			5			5			5			



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
YZZZJF	5.06	-0.12	0.31	3.91	-0.52	0.66	5.73	-0.51	0.09	22.41	0.49	0.33	34.31	0.21	0.44	
		-0.05	0.07		-0.30	0.15		-0.90	0.04		0.96	0.18		0.74	0.60	
C7JPMX	5.03	-0.18	1.20	4.50	0.52	1.19	7.53	0.51	1.80	20.17	-0.65	1.07	32.30	-0.36	0.15	
		-0.08	0.27		0.30	0.26		0.90	0.80		-1.29	0.59		-1.27	0.20	
TK6TZ7	6.17	2.29	0.92	4.77	0.99	0.69	7.80	0.66	0.59	23.57	1.07	1.38	40.37	1.92	1.90	
		1.05	0.21		0.56	0.15		1.17	0.26		2.11	0.75		6.80	2.60	
QMYWF9	5.17	0.12	1.27	3.83	-0.66	1.30	4.83	-1.02	0.65	20.50	-0.49	0.92	32.83	-0.21	0.42	
		0.05	0.29		-0.37	0.29		-1.80	0.29		-0.96	0.50		-0.74	0.58	
Grand Median		5.11		4.21		6.63		21.5		33.6						
Median Abs Dev		0.07		0.33		1.04		1.1		1.0						
Avg Within Lab SD		0.23		0.22		0.45		0.5		1.4						
Labs Included		4		4		4		4		4				4		
Labs Reporting		4		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	
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510					
YZZZJF	1.480	0.366	0.410	0.057	1.414	0.087	1.414	21.273	0.710	0.443	1.987	0.089	0.193	
		0.053	0.020		0.006		0.006		1.015	0.196		0.010	0.012	
C7JPMX	1.387	-0.274	1.012					18.767	-1.044	1.507	1.967	-0.089	0.966	
		-0.040	0.049						-1.492	0.666		-0.010	0.058	
TK6TZ7	1.467	0.274	1.185	0.100	0.000	0.100	0.000	20.933	0.472	0.692	2.100	1.097	1.672	
		0.040	0.058		0.000		0.000		0.675	0.306		0.123	0.100	
QMYWF9	1.167	-1.783	1.185					19.583	-0.472	1.027	1.817	-1.423	0.483	
		-0.260	0.058						-0.675	0.454		-0.160	0.029	
Grand Median		1.43		0.078		0.09			20.3			1.98		
Median Abs Dev		0.05							0.8			0.07		
Avg Within Lab SD		0.05		0.004		0.00			0.4			0.06		
Labs Included		4		2		2			4			4		
Labs Reporting		4		2		2			4			4		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
M9QMKW	0.94	-1.42	0.21	0.84	-1.78	0.37	1.10	-1.58	0.00	1.10	-1.42	0.33	0.98	-0.67	0.00	
		-0.17	0.01		-0.15	0.01		-0.17	0.00		-0.16	0.01		-0.13	0.00	
TJAAWJ	1.10	-0.06	1.09	0.97	-0.32	1.14	1.27	0.00	1.78	1.26	0.00	2.09	1.16	0.30	0.70	
		-0.01	0.03		-0.03	0.02		0.00	0.02		0.00	0.03		0.06	0.01	
YZZZJF	1.11	0.00	1.03	0.99	0.00	0.31	1.23	-0.38	0.67	1.26	0.06	1.00	1.09	-0.04	1.27	
		0.00	0.03		0.00	0.00		-0.04	0.01		0.01	0.02		-0.01	0.02	
XFBKG8	1.04	-0.57	2.87	1.01	0.22	0.43	1.27	0.00	1.78	1.24	-0.15	1.72	1.06	-0.21	2.79	
		-0.07	0.07		0.02	0.01		0.00	0.02		-0.02	0.03		-0.04	0.05	
BAQLTV	1.24	1.14		1.06	0.76		1.38	1.07		1.19	-0.60		1.41	1.66		
		0.13	0.00		0.07	0.00		0.11	0.00		-0.07	0.00		0.31	0.00	
2LUN37	1.18	0.63	0.00	1.18	2.14	0.00	1.18	-0.82	0.00	1.18	-0.69	0.00	1.18	0.43	0.00	
		0.07	0.00		0.19	0.00		-0.09	0.00		-0.08	0.00		0.08	0.00	
NMAR8J	1.09	-0.16	0.08	0.98	-0.12	0.42	1.30	0.30	0.47	1.28	0.24	0.56	1.16	0.34	0.28	
		-0.02	0.00		-0.01	0.01		0.03	0.00		0.03	0.01		0.06	0.00	
JYG73E	1.40	2.51	0.00	0.95	-0.51	0.00	1.05	-2.05	0.00	1.00	-2.33		0.50	-3.21		
		0.29	0.00		-0.04	0.00		-0.22	0.00		-0.26	0.00		-0.60	0.00	
FKAQUE	1.11	0.00	0.14	1.01	0.22	0.90	1.30	0.27	0.90	1.28	0.23	0.98	1.09	-0.03	0.51	
		0.00	0.00		0.02	0.01		0.03	0.01		0.03	0.02		-0.01	0.01	
97UHQN	1.13	0.17	0.24	0.97	-0.29	0.54	1.27	0.03	0.00	1.32	0.57	0.00	1.10	0.00	0.61	
		0.02	0.01		-0.03	0.01		0.00	0.00		0.06	0.00		0.00	0.01	
JQ9CA8	1.20	0.77	0.63	1.09	1.06	2.83	1.36	0.91	1.78	1.38	1.12	1.13	1.20	0.53	0.61	
		0.09	0.02		0.09	0.04		0.10	0.02		0.12	0.02		0.10	0.01	
Grand Median		1.11			0.99			1.27			1.26			1.10		
Median Abs Dev		0.07			0.03			0.04			0.06			0.06		
Avg Within Lab SD		0.02			0.01			0.01			0.02			0.02		
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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
NLDBVL	167.7	0.7	0.4	61.5	1.1	0.6	52.7	1.1	1.0	57.7	1.1	1.1	20.9	0.1	1.0
		9.8	0.6		9.1	0.7		7.5	1.0		9.7	0.7		0.3	0.6
TJAAWJ	155.3	-0.2	1.7	55.7	0.4	0.5	48.7	0.5	0.6	51.3	0.4	0.9	20.3	-0.1	1.0
		-2.5	2.3		3.3	0.6		3.5	0.6		3.3	0.6		-0.3	0.6
JR33FL	175.3	1.3	0.4	58.7	0.7	1.1	48.3	0.5	0.6	55.0	0.8		25.3	1.7	1.0
		17.5	0.6		6.3	1.2		3.1	0.6		7.0	0.0		4.7	0.6
2LUN37	130.0	-2.1		49.0	-0.4	0.9	37.3	-1.1	2.3	37.7	-1.2	0.9	18.0	-1.0	
		-27.9	0.0		-3.3	1.0		-7.9	2.3		-10.3	0.6		-2.6	0.0
CJ9MNV	158.0	0.0		45.0	-0.8		40.0	-0.8		45.0	-0.4		21.0	0.1	
		0.1	0.0		-7.3	0.0		-5.2	0.0		-3.0	0.0		0.4	0.0
UXB468	154.7	-0.2	2.1	46.5	-0.7	1.4	42.0	-0.5		42.5	-0.6	1.4	18.0	-1.0	0.9
		-3.2	2.9		-5.8	1.5		-3.2	0.0		-5.5	0.9		-2.6	0.5
MZ2YRE	157.7	0.0	0.3	45.5	-0.8	0.7	42.1	-0.5	0.4	44.1	-0.5	0.8	19.9	-0.3	0.2
		-0.1	0.4		-6.8	0.8		-3.1	0.4		-3.9	0.5		-0.7	0.1
PECGCD	170.0	0.9	0.7	57.0	0.5	1.6	49.0	0.5	1.0	51.0	0.4	1.6		1.1	2.0
		12.1	1.0		4.7	1.7		3.8	1.0		3.0	1.0		3.1	1.2
Grand Median		157.9			52.3			45.2			48.0			20.6	
Median Abs Dev		6.5			6.1			3.6			4.7			1.7	
Avg Within Lab SD		1.4			1.1			1.0			0.6			0.6	
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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
6LYFJD	167.3	-0.2	0.6	51.5	-0.6	0.4	35.2	-1.4	0.2	67.5	0.4	0.4	18.5	-1.0	0.8			
		-5.8	2.8		-4.2	1.0		-12.7	1.0		4.1	1.3		-4.7	1.0			
M9QMKW	187.7	0.5	0.2	61.5	0.8	0.8	53.7	0.6	0.3	73.4	1.1	0.7	26.2	0.6	0.5			
		14.6	1.0		5.7	2.3		5.8	1.9		10.0	2.2		2.9	0.6			
JGWHQY	190.5	0.7	0.1	63.0	1.0	0.3	56.2	0.9	0.1	74.0	1.1	0.2	27.3	0.9	0.2			
		17.4	0.3		7.2	0.8		8.3	0.4		10.6	0.7		4.1	0.2			
BKNL7Y	157.3	-0.6	0.2	53.8	-0.2	0.1	45.5	-0.3		58.8	-0.5	0.1	19.5	-0.8				
		-15.8	0.8		-1.9	0.3		-2.4	0.0		-4.6	0.3		-3.7	0.0			
7ZD6W6	192.5	0.7	0.7	68.4	1.7	0.8	52.8	0.5	0.4	73.8	1.1	0.3	25.9	0.6	1.3			
		19.4	3.1		12.6	2.3		4.9	2.4		10.4	1.0		2.7	1.6			
G79EWV	168.3	-0.2	0.3	54.7	-0.1	0.7	48.3	0.0	1.2	66.0	0.3	0.8	26.3	0.7	1.2			
		-4.8	1.5		-1.1	2.1		0.4	7.8		2.6	2.6		3.1	1.5			
E7WXNW	168.3	-0.2	0.7	54.0	-0.2	0.9	48.0	0.0	0.2	53.3	-1.1	0.6	18.0	-1.1	0.8			
		-4.8	3.1		-1.7	2.6		0.1	1.0		-10.1	2.1		-5.2	1.0			
3MYY89	178.8	0.2	0.5	56.4	0.1	0.5	46.0	-0.2	0.2	62.8	-0.1	0.6	23.2	0.0	0.2			
		5.8	2.4		0.7	1.4		-1.9	1.0		-0.6	1.8		0.0	0.3			
YZZZJF	161.4	-0.4	0.3	64.4	1.1	0.1	49.4	0.2	0.0	72.7	1.0	0.1	23.2	0.0	0.2			
		-11.7	1.3		8.7	0.4		1.5	0.2		9.3	0.4		0.0	0.2			
W9HRV9	187.7	0.5	1.3	56.0	0.0	0.9	44.7	-0.3	0.1	70.3	0.8	0.2	25.3	0.4	0.5			
		14.6	5.9		0.3	2.6		-3.2	0.6		6.9	0.6		2.1	0.6			
D4AZWT	143.0	-1.1	0.2	50.3	-0.7	0.1	42.8	-0.5	0.1	62.1	-0.1	0.4	19.3	-0.8	0.1			
		-30.1	1.1		-5.4	0.3		-5.1	0.6		-1.3	1.2		-4.0	0.2			
XFBKG8	186.0	0.5	0.7	67.1	1.5	0.0	50.2	0.2	0.1	61.2	-0.2	0.7	27.2	0.8	1.4			
		12.9	3.0		11.4	0.1		2.3	0.8		-2.2	2.2		4.0	1.7			
BAQLTV	115.5	-2.1	0.8	50.5	-0.7	1.3	35.0	-1.4	0.7	48.0	-1.7		17.0	-1.3	1.1			
		-57.6	3.5		-5.2	3.5		-12.9	4.2		-15.4	0.0		-6.2	1.4			
NMAR8J	176.6	0.1	0.5	53.5	-0.3	0.3	45.9	-0.2	0.2	64.0	0.1	0.2	24.1	0.2	0.4			
		3.5	2.2		-2.2	0.9		-2.0	1.5		0.6	0.5		0.9	0.5			
729LA3	168.0	-0.2		76.5	2.7		61.6	1.5		76.3	1.4		26.9	0.8				
		-5.1	0.0		20.8	0.0		13.7	0.0		12.8	0.0		3.6	0.0			
4Z6AEV	163.0	-0.4	0.4	53.4	-0.3	0.4	46.0	-0.2	0.0	62.7	-0.1	0.2	21.8	-0.3	0.1			
		-10.1	2.0		-2.4	1.0		-1.9	0.3		-0.7	0.7		-1.4	0.2			
6P2GLV	183.0	0.4		55.5	0.0	0.0	49.4	0.2	0.0	64.8	0.1	0.0	26.2	0.6	0.0			
		9.9	0.0		-0.3	0.0		1.5	0.0		1.4	0.0		3.0	0.0			
JYG73E	182.9	0.4	0.6	57.8	0.3	0.3	53.4	0.6	0.3	70.1	0.7	0.7	25.8	0.5	0.6			
		9.8	2.8		2.1	0.8		5.5	1.8		6.7	2.2		2.5	0.7			
Y82F73	54.7	-4.4	18.9	32.6	-3.0	10.4	25.9	-2.4	3.3	24.4	-4.2	11.0	15.3	-1.7	0.4			
		-118.4	84.4		-23.1	29.2		-22.0	21.2		-39.0	35.4		-7.9	0.5			
ADR88T	173.8	0.0	0.9	63.8	1.1	0.5	42.8	-0.6	0.1	54.9	-0.9	0.2	23.2	0.0	0.3			
		0.8	4.2		8.1	1.5		-5.1	0.9		-8.5	0.8		0.0	0.3			



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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		
Q49NHD	187.2	0.5	0.1	53.6	-0.3	0.0	42.2	-0.6	0.0	65.0	0.2	0.2	24.5	0.3	0.2
		14.1	0.5		-2.1	0.1		-5.7	0.0		1.6	0.7		1.3	0.3
FKAQUE	181.1	0.3	0.1	64.1	1.1	0.2	53.9	0.6	0.3	74.0	1.1	0.3	24.9	0.4	0.1
		8.0	0.7		8.4	0.5		6.0	1.8		10.6	1.0		1.7	0.1
394EVR	209.7	1.4	2.7	63.3	1.0	2.9	86.0	4.1	1.6	75.3	1.3	3.4	25.3	0.4	2.8
		36.6	12.2		7.6	8.0		38.1	10.4		11.9	11.0		2.1	3.5
2YGYQX	149.3	-0.9	0.5	52.7	-0.4	0.2	57.7	1.1	0.1	59.9	-0.4	0.5	21.2	-0.4	0.7
		-23.8	2.1		-3.1	0.6		9.8	0.9		-3.5	1.7		-2.0	0.9
7C8GAJ	172.3	0.0	1.7	61.7	0.8	0.4	39.0	-1.0	0.3	54.0	-1.0	0.3	19.3	-0.8	0.5
		-0.8	7.8		5.9	1.2		-8.9	1.7		-9.4	1.0		-3.9	0.6
729JLJ	190.4	0.6	1.6	53.8	-0.3	0.5	47.8	0.0	0.2	60.9	-0.3	0.3	21.8	-0.3	0.4
		17.3	7.0		-2.0	1.5		-0.1	1.2		-2.5	0.8		-1.4	0.5
JQ9CA8	57.3	-4.3	2.5	58.3	0.3	3.3	51.7	0.4	4.5	59.9	-0.4	3.2	6.0	-3.6	2.9
		-115.8	11.2		2.6	9.3		3.8	28.8		-3.5	10.3		-17.2	3.5
Grand Median		173.1		55.7			47.9			63.4			23.2		
Median Abs Dev		12.3		3.6			5.0			5.7			2.8		
Avg Within Lab SD		4.5		2.8			6.3			3.2			1.2		
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															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	47.0	0.3	0.5	246.0	-0.3	0.2	515.5	-0.2	0.0	361.0	0.4	0.0	102.5	0.0	0.4
		1.7	1.3		-9.8	2.0		-10.5	0.5		14.3	0.5		0.0	1.5
M9QMKW	48.2	0.5	0.3	293.7	1.2	0.2	633.7	2.0	3.3	410.8	1.8	1.5	124.4	1.8	1.4
		2.8	0.9		38.0	1.6		107.7	53.6		64.1	21.7		21.9	5.6
JGWHQY	44.8	-0.1	0.3	278.0	0.7	0.1	568.3	0.8	0.2	362.7	0.4	0.4	108.8	0.5	0.2
		-0.6	0.8		22.3	1.0		42.3	2.5		16.0	6.1		6.3	1.0
BKNL7Y	42.5	-0.5	0.2	252.2	-0.1	0.0	496.8	-0.5	0.0	346.7	0.0	0.1	102.3	0.0	0.3
		-2.8	0.5		-3.6	0.3		-29.2	0.8		0.0	1.4		-0.2	1.2
G79EWV	44.3	-0.2	0.6	244.3	-0.4	0.6	507.7	-0.3	0.6	338.0	-0.2	1.2	97.3	-0.4	0.6
		-1.0	1.5		-11.4	4.9		-18.3	10.0		-8.7	17.7		-5.2	2.5
E7WXNW	43.3	-0.3	1.2	281.0	0.8	0.8	576.0	0.9	0.3	337.7	-0.2	0.4	108.3	0.5	0.9
		-2.0	3.2		25.2	7.2		50.0	4.6		-9.0	5.1		5.8	3.8
TJAAWJ	48.7	0.6	0.6	243.3	-0.4	0.3	533.3	0.1	0.0	333.3	-0.4	0.4	97.0	-0.5	0.2
		3.3	1.5		-12.4	3.1		7.3	0.6		-13.3	6.1		-5.5	1.0
3MY89	45.1	0.0	1.1	250.8	-0.2	0.3	540.9	0.3	0.5	357.0	0.3	0.3	104.2	0.1	1.4
		-0.3	2.9		-5.0	3.0		14.9	8.5		10.4	4.2		1.7	5.5
YZZZJF	54.9	1.6	0.0	283.4	0.9	0.0	564.5	0.7	0.2	376.2	0.8	0.1	110.0	0.6	0.1
		9.5	0.1		27.6	0.4		38.5	3.5		29.5	2.0		7.5	0.4
W9HRV9	42.3	-0.5	0.9	248.0	-0.2	0.4	524.3	0.0	0.5	340.0	-0.2	0.2	94.7	-0.7	0.1
		-3.0	2.3		-7.8	3.6		-1.7	8.5		-6.7	3.6		-7.8	0.6
D4AZWT	42.5	-0.5	0.2	271.8	0.5	0.5	575.3	0.9	0.2	385.2	1.1	0.6	113.4	0.9	0.2
		-2.8	0.6		16.0	4.3		49.3	3.3		38.6	8.6		10.9	0.7
XFBKG8	47.4	0.3	0.6	290.3	1.1	0.8	472.7	-1.0	1.4	307.0	-1.1	0.7	101.5	-0.1	1.0
		2.1	1.7		34.6	7.1		-53.3	23.2		-39.7	9.8		-1.0	4.0
BAQLTV	69.5	4.0	0.8	236.0	-0.6	0.5	404.0	-2.3	0.7	330.0	-0.5	0.7	91.0	-1.0	0.3
		24.2	2.1		-19.8	4.2		-122.0	11.3		-16.7	9.9		-11.5	1.4
2LUN37	46.7	0.2	0.6	233.7	-0.7	0.5	460.0	-1.2	0.6	326.7	-0.6	0.5	91.7	-0.9	0.4
		1.3	1.5		-22.1	4.7		-66.0	9.5		-20.0	7.6		-10.8	1.5
NMAR8J	42.1	-0.5	0.8	248.0	-0.2	0.2	526.0	0.0	0.1	354.3	0.2	0.3	104.0	0.1	0.4
		-3.2	2.1		-7.8	2.0		0.0	1.7		7.7	3.8		1.5	1.7
CJ9MNV	46.0	0.1		242.0	-0.4		526.0	0.0		366.0	0.5		104.0	0.1	
		0.7	0.0		-13.8	0.0		0.0	0.0		19.3	0.0		1.5	0.0
729LA3	58.2	2.1		304.2	1.6		550.3	0.5		366.5	0.5		102.5	0.0	
		12.8	0.0		48.5	0.0		24.3	0.0		19.8	0.0		0.0	0.0
4Z6AEV	45.0	-0.1	0.4	256.7	0.0	0.2	516.3	-0.2	0.2	357.3	0.3	0.1	97.6	-0.4	0.1
		-0.3	1.0		0.9	1.5		-9.7	3.2		10.7	2.1		-4.9	0.5
6P2GLV	44.2	-0.2	0.0	233.7	-0.7	0.1	477.7	-0.9	0.0	317.7	-0.8	0.0	90.4	-1.0	0.0
		-1.1	0.1		-22.1	0.6		-48.3	0.6		-29.0	0.6		-12.1	0.0
JYG73E	45.7	0.1	0.1	267.1	0.4	0.4	557.3	0.6	0.4	379.8	0.9	0.8	108.6	0.5	0.8
		0.4	0.3		11.4	3.7		31.3	7.2		33.2	11.2		6.1	3.1



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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		
Y82F73	51.0	0.9	1.1	278.1	0.7	1.3	463.9	-1.2	2.4	310.3	-1.0	2.4	80.5	-1.8	0.0
		5.7	3.1		22.4	12.0		-62.1	38.9		-36.4	35.2		-22.0	0.0
UXB468	40.7	-0.8	0.9	230.0	-0.8	0.4	510.0	-0.3		331.3	-0.4	0.1	103.3	0.1	1.0
		-4.7	2.3		-25.8	3.5		-16.0	0.0		-15.3	1.2		0.8	4.2
MZ2YRE	36.1	-1.5	0.0	214.8	-1.3	0.1	484.1	-0.8	0.1	304.3	-1.2	0.1	84.1	-1.5	0.5
		-9.2	0.1		-41.0	0.7		-41.9	0.8		-42.4	1.7		-18.4	2.0
ADR88T	52.8	1.2	0.3	338.6	2.7	1.2	599.9	1.4	0.8	312.6	-0.9	0.4	93.9	-0.7	0.4
		7.4	0.8		82.8	10.4		73.9	13.2		-34.1	5.2		-8.6	1.8
PECGCD	45.3	0.0	1.2	270.0	0.5	1.8	537.0	0.2	1.0	341.7	-0.1	1.0	94.3	-0.7	0.3
		0.0	3.2		14.2	16.0		11.0	16.4		-5.0	14.4		-8.2	1.2
Q49NHD	41.7	-0.6	0.1	253.7	-0.1	0.1	502.2	-0.4	0.6	360.8	0.4	0.6	99.5	-0.3	0.1
		-3.7	0.3		-2.1	1.1		-23.8	10.1		14.2	8.3		-3.0	0.4
FKAQUE	50.5	0.9	0.5	274.2	0.6	0.3	571.6	0.9	1.1	422.7	2.1	0.5	115.9	1.1	0.5
		5.2	1.3		18.5	2.9		45.6	18.2		76.1	7.9		13.4	1.8
394EVR	47.7	0.4	3.4	266.7	0.4	3.7	554.0	0.5	1.6	402.3	1.5	4.0	111.0	0.7	3.8
		2.3	9.0		10.9	32.7		28.0	25.5		55.7	58.5		8.5	15.6
2YGYQX	43.0	-0.4	0.2	236.0	-0.6	0.2	501.7	-0.5	0.2	327.3	-0.5	0.1	94.5	-0.7	0.4
		-2.4	0.5		-19.8	2.0		-24.3	3.2		-19.3	2.1		-8.0	1.8
7C8GAJ	53.7	1.4	1.9	309.7	1.7	1.9	490.7	-0.7	0.7	317.0	-0.8	0.4	102.7	0.0	1.6
		8.3	5.0		53.9	16.6		-35.3	11.8		-29.7	6.1		0.2	6.7
729JLJ	44.2	-0.2	2.4	255.8	0.0	2.0	553.3	0.5	1.9	370.0	0.6	0.9	139.0	3.1	2.1
		-1.2	6.4		0.0	18.1		27.3	31.4		23.4	13.1		36.5	8.4
JQ9CA8	78.1	5.4	4.5	437.3	5.8	10.8	685.9	3.0	9.4	493.7	4.1	6.6	144.9	3.5	7.1
		32.7	12.1		181.6	96.1		159.9	152.8		147.0	97.2		42.4	28.9
Grand Median		45.3			255.8			526.0			346.7			102.5	
Median Abs Dev		2.8			18.5			29.2			19.3			6.3	
Avg Within Lab SD		2.7			8.9			16.2			14.6			4.1	
Labs Included		31			31			31			31			31	
Labs Reporting		31			31			31			31			31	



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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					
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	840.7	-0.1	0.3	7,877.0	0.9	0.9	6,683.5	0.5	0.8	1,405.5	-0.5	0.3	654.5	-0.1	0.2
		-11.2	11.8		989.3	266.0		502.7	177.0		-98.8	18.5		-10.8	5.5
M9QMKW	902.4	0.4	1.4	8,489.1	1.4	0.9	7,243.9	1.0	1.3	1,649.5	0.8	0.7	826.3	1.7	1.2
		50.6	54.4		1,601.4	275.1		1,063.1	295.4		145.1	40.1		161.1	35.0
JGWHQY	1,170.8	2.4	0.4	10,401.7	3.1	0.5	9,313.3	3.0	0.4	2,087.7	3.2	1.0	974.3	3.4	1.1
		319.0	15.3		3,514.0	138.4		3,132.5	100.4		583.3	54.6		309.1	30.7
BKNL7Y	808.0	-0.3	0.1	6,715.0	-0.2	0.0	6,041.7	-0.1	0.0	1,501.0	0.0	0.1	663.5	0.0	0.0
		-43.8	2.3		-172.7	13.2		-139.2	10.4		-3.3	5.6		-1.8	1.3
G79EWV	790.3	-0.5	0.5	6,939.3	0.0	0.7	6,351.0	0.2	0.6	1,521.3	0.1	1.3	662.0	0.0	0.6
		-61.5	18.8		51.7	193.1		170.2	142.5		17.0	68.6		-3.3	16.1
E7WXNW	777.0	-0.6	0.4	6,141.7	-0.7	0.2	6,318.3	0.1	0.1	1,444.3	-0.3	0.9	528.7	-1.5	0.3
		-74.8	17.1		-746.0	54.9		137.5	28.4		-60.0	50.8		-136.6	7.5
3MYY89	758.4	-0.7	1.0	6,446.0	-0.4	0.3	5,360.4	-0.8	0.8	1,542.6	0.2	0.5	681.4	0.2	0.8
		-93.4	38.6		-441.7	85.0		-820.4	185.8		38.2	29.5		16.2	22.4
YZZZJF	942.9	0.7	0.0	6,836.0	0.0	0.1	5,850.7	-0.3	0.1	1,652.3	0.8	0.6	726.8	0.7	0.1
		91.1	1.5		-51.7	27.2		-330.2	29.0		148.0	30.4		61.6	2.5
W9HRV9	805.7	-0.4	0.6	6,400.3	-0.4	0.3	5,348.0	-0.8	1.2	1,469.0	-0.2	0.4	668.3	0.0	1.2
		-46.2	22.1		-487.3	82.5		-832.8	270.2		-35.3	23.4		3.1	33.7
D4AZWT	868.3	0.1	0.7	6,550.3	-0.3	0.1	6,061.7	-0.1	0.2	1,586.3	0.5	0.1	740.2	0.8	0.5
		16.5	26.6		-337.3	26.3		-119.2	47.3		82.0	7.5		74.9	13.6
XFBKG8	907.7	0.4	0.2	7,566.7	0.6	0.6	6,136.7	0.0	0.8	1,383.3	-0.7	2.0	676.0	0.1	2.8
		55.8	7.0		679.0	172.1		-44.2	185.0		-121.0	110.6		10.8	79.2
BAQLTV	707.5	-1.1	0.3	8,039.5	1.0	0.6	6,319.0	0.1	0.4	1,596.0	0.5	0.4	500.0	-1.8	0.6
		-144.3	12.0		1,151.8	190.2		138.2	94.8		91.7	22.6		-165.3	17.0
2LUN37	858.3	0.0	0.8	6,450.0	-0.4	0.9	6,225.0	0.0	0.1	1,494.3	-0.1	0.2	631.7	-0.4	0.4
		6.5	31.9		-437.7	259.8		44.2	26.0		-10.0	13.5		-33.6	11.6
NMAR8J	773.3	-0.6	0.2	7,040.7	0.1	0.2	6,528.3	0.3	0.1	1,473.0	-0.2	0.1	638.0	-0.3	0.3
		-78.5	7.5		153.0	44.3		347.5	30.4		-31.3	3.5		-27.3	7.9
CJ9MNV	594.0	-2.0		6,027.0	-0.8		4,735.0	-1.4		1,832.0	1.8		679.0	0.1	
		-257.8	0.0		-860.7	0.0		-1,445.8	0.0		327.7	0.0		13.8	0.0
729LA3	1,010.7	1.2		8,787.5	1.7		7,090.6	0.9		1,656.6	0.8		681.0	0.2	
		158.8	0.0		1,899.8	0.0		909.7	0.0		152.3	0.0		15.8	0.0
4Z6AEV	845.3	0.0	0.2	6,713.0	-0.2	0.1	5,974.3	-0.2	0.0	1,507.7	0.0	0.1	667.0	0.0	0.2
		-6.5	9.1		-174.7	32.2		-206.5	3.5		3.3	3.1		1.8	6.1
6P2GLV	737.3	-0.9	0.0	6,405.3	-0.4	0.0	5,708.3	-0.5	0.0	1,279.3	-1.2	0.0	543.7	-1.3	0.0
		-114.5	0.6		-482.3	5.0		-472.5	0.6		-225.0	1.2		-121.6	0.6
JYG73E	802.2	-0.4	0.5	7,268.8	0.3	0.1	6,461.9	0.3	1.0	1,488.9	-0.1	0.4	709.0	0.5	1.0
		-49.6	20.5		381.1	28.3		281.1	219.0		-15.5	20.0		43.8	29.6
Y82F73	887.6	0.3	0.5	6,464.6	-0.4	0.2	5,084.5	-1.1	1.0	1,337.1	-0.9	1.1	544.3	-1.3	0.8
		35.8	21.4		-423.0	68.6		-1,096.4	231.2		-167.2	58.8		-121.0	22.7



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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
UXB468	794.7	-0.4	0.6	6,570.0	-0.3	0.0	6,401.7	0.2	0.3	1,561.3	0.3	0.8	644.0	-0.2	0.4
		-57.2	21.8		-317.7	12.1		220.8	75.8		57.0	42.5		-21.3	12.1
MZ2YRE	701.9	-1.1	0.0	7,247.0	0.3	0.1	6,851.0	0.6	0.1	1,289.3	-1.2	0.1	545.8	-1.3	0.0
		-149.9	1.5		359.3	22.1		670.2	15.1		-215.0	7.2		-119.4	1.3
ADR88T	925.0	0.6	0.2	6,567.6	-0.3	0.4	4,613.7	-1.5	0.3	1,327.3	-1.0	0.2	638.7	-0.3	0.4
		73.2	8.0		-320.0	119.7		-1,567.2	70.8		-177.0	12.7		-26.6	10.8
PECGCD	1,068.0	1.6	1.5	7,441.7	0.5	0.7	6,096.0	-0.1	0.6	1,516.7	0.1	0.8	614.7	-0.5	0.3
		216.2	56.5		554.0	220.3		-84.8	132.8		12.3	42.9		-50.6	8.5
FKAQUE	914.2	0.5	0.2	7,579.1	0.6	0.2	6,735.5	0.5	0.5	1,592.5	0.5	0.7	646.1	-0.2	0.2
		62.4	9.1		691.4	60.8		554.7	123.2		88.2	38.7		-19.2	5.9
394EVR	935.0	0.6	3.1	9,238.0	2.1	4.0	8,573.7	2.3	3.9	1,691.0	1.0	3.5	700.0	0.4	3.0
		83.2	118.8		2,350.3	1,184.2		2,392.8	886.5		186.7	193.1		34.8	86.2
7C8GAJ	948.3	0.7	3.1	7,628.0	0.7	1.2	5,268.3	-0.9	1.3	1,300.7	-1.1	0.6	680.3	0.2	1.7
		96.5	122.2		740.3	359.9		-912.5	290.5		-203.7	34.6		15.1	47.1
729JLJ	885.5	0.3	0.6	5,868.0	-0.9	2.3	5,307.3	-0.8	1.5	1,390.9	-0.6	1.7	786.1	1.3	0.4
		33.6	25.0		-1,019.7	676.8		-873.5	327.6		-113.5	95.2		120.9	12.7
JQ9CA8	3,316.7	18.7	13.6	41,007.5	30.1	88.9	22,526.2	15.8	54.1	5,239.5	20.7	23.6	2,244.0	17.1	15.4
		2,464.8	529.9		34,119.8	26,151.4		16,345.4	12,218.3		3,735.2	1,298.2		1,578.8	438.7
Grand Median		851.8			6,887.7			6,180.8			1,504.3			665.3	
Median Abs Dev		67.8			484.8			487.6			95.3			30.4	
Avg Within Lab SD		38.9			294.0			225.8			54.9			28.5	
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		

Mehlich-3, Mg (SubTestCode 160)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
6LYFJD	214.5	-0.4	0.3	463.8	-0.9	0.4	463.3	-0.3	1.6	196.3	-0.4	0.2	146.5	0.0	2.2		
		-9.8	3.8		-52.4	6.3		-19.0	20.5		-8.1	1.8		-0.5	11.0		
M9QMKW	249.1	1.0	0.9	584.2	1.2	0.2	578.9	1.7	0.8	230.3	1.3	0.7	172.6	1.3	0.3		
		24.8	10.2		68.0	2.8		96.5	10.4		25.9	6.8		25.6	1.5		
JGWHQY	233.7	0.4	0.3	571.3	1.0	0.4	551.4	1.2	0.4	221.4	0.8	0.5	180.0	1.6	0.4		
		9.3	3.9		55.1	6.1		69.1	4.9		17.0	4.8		33.0	2.0		
BKNL7Y	202.7	-0.9	0.0	480.8	-0.6	0.1	437.5	-0.8	0.2	194.3	-0.5	0.0	141.0	-0.3	0.2		
		-21.7	0.3		-35.3	1.5		-44.8	2.0		-10.0	0.3		-6.0	1.0		
G79EWV	202.7	-0.9	0.6	490.7	-0.4	1.1	482.3	0.0	0.5	197.7	-0.3	1.0	146.0	0.0	0.9		
		-21.7	6.4		-25.5	16.7		0.0	6.1		-6.7	9.5		-1.0	4.6		
E7WXNW	205.7	-0.7	0.3	515.7	0.0	0.3	189,513.3	3,322.5	232.1	124,522.3	6,080.5	316.4	124.3	-1.1	0.6		
		-18.7	3.1		-0.5	4.0		189,031.0	3,002.0		124,318.0	3,052.1		-22.7	3.1		
3MY89	195.0	-1.2	0.4	494.0	-0.4	0.2	494.6	0.2	0.7	213.2	0.4	3.2	139.1	-0.4	0.6		
		-29.3	4.3		-22.2	3.4		12.2	9.2		8.8	30.6		-7.9	2.8		
YZZZJF	251.7	1.1	0.2	516.2	0.0	0.1	503.9	0.4	0.1	214.5	0.5	0.3	159.9	0.6	0.2		
		27.4	2.5		0.0	1.5		21.6	1.6		10.1	2.5		12.9	0.8		
W9HRV9	210.3	-0.6	0.4	474.3	-0.7	0.3	487.7	0.1	0.5	198.0	-0.3	0.2	145.3	-0.1	0.4		
		-14.0	4.6		-41.8	4.0		5.3	6.5		-6.3	1.7		-1.7	2.1		
D4AZWT	242.6	0.7	0.3	524.5	0.1	0.1	518.5	0.6	0.1	213.1	0.4	0.1	172.9	1.3	0.3		
		18.3	3.8		8.3	0.9		36.2	1.0		8.8	1.2		25.9	1.4		
XFBKG8	234.0	0.4	0.7	541.3	0.4	0.6	432.7	-0.9	1.7	181.3	-1.1	0.8	148.7	0.1	1.0		
		9.7	8.5		25.2	10.0		-49.7	21.5		-23.0	7.6		1.7	5.0		
BAQLTV	186.0	-1.5	0.5	542.5	0.5	0.7	326.0	-2.7	0.5	202.5	-0.1	0.7	111.0	-1.8	0.8		
		-38.3	5.7		26.3	10.6		-156.3	7.1		-1.8	6.4		-36.0	4.2		
2LUN37	231.3	0.3	0.6	510.3	-0.1	0.1	450.3	-0.6	0.6	198.3	-0.3	0.5	147.3	0.0	0.6		
		7.0	7.1		-5.8	2.3		-32.0	7.5		-6.0	4.5		0.3	2.9		
NMAR8J	218.0	-0.2	0.1	464.7	-0.9	0.3	455.7	-0.5	0.4	204.0	0.0	0.1	161.3	0.7	0.6		
		-6.3	1.7		-51.5	5.0		-26.7	5.5		-0.3	1.0		14.3	3.2		
CJ9MNV	203.0	-0.8		455.0	-1.1		446.0	-0.6		208.0	0.2		139.0	-0.4			
		-21.3	0.0		-61.2	0.0		-36.3	0.0		3.7	0.0		-8.0	0.0		
729LA3	242.5	0.7		614.3	1.7		540.3	1.0		216.5	0.6		152.7	0.3			
		18.2	0.0		98.1	0.0		58.0	0.0		12.1	0.0		5.7	0.0		
4Z6AEV	242.3	0.7	0.3	501.7	-0.3	0.4	480.7	0.0	0.4	218.0	0.7	0.3	156.3	0.5	0.6		
		18.0	3.1		-14.5	5.5		-1.7	5.5		13.7	2.6		9.3	3.2		
6P2GLV	200.0	-1.0		435.0	-1.4		444.3	-0.7	0.0	176.0	-1.4		129.3	-0.9	0.1		
		-24.3	0.0		-81.2	0.0		-38.0	0.6		-28.3	0.0		-17.7	0.6		
JYG73E	225.1	0.0	0.2	533.2	0.3	0.3	508.3	0.5	0.5	216.1	0.6	0.6	161.0	0.7	0.7		
		0.8	2.0		17.0	3.9		25.9	7.1		11.8	5.3		14.0	3.7		
Y82F73	222.5	-0.1	1.4	521.3	0.1	1.1	448.3	-0.6	2.6	177.5	-1.3	1.8	118.5	-1.4	0.0		
		-1.9	16.1		5.1	16.6		-34.0	33.6		-26.9	17.4		-28.5	0.1		



ALP Program - Participant Web Summary Report - Cycle 27

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
UXB468	206.7	-0.7	0.5	469.3	-0.8	0.4	483.3	0.0	0.8	206.7	0.1	0.6	147.0	0.0	
		-17.7	5.8		-46.8	6.4		1.0	10.5		2.3	5.8		0.0	0.0
MZ2YRE	188.7	-1.4	0.1	460.0	-1.0	0.1	460.3	-0.4	0.1	168.7	-1.7	0.1	116.2	-1.5	0.2
		-35.7	1.5		-56.2	2.0		-22.0	1.5		-35.6	0.8		-30.8	0.8
ADR88T	224.3	0.0	0.4	553.1	0.6	1.0	418.0	-1.1	0.4	170.7	-1.6	0.2	136.5	-0.5	0.4
		0.0	4.3		36.9	15.8		-64.4	5.6		-33.6	2.2		-10.5	1.8
PECGCD	229.7	0.2	1.5	542.7	0.5	2.0	514.0	0.6	1.4	204.3	0.0	1.2	142.3	-0.2	0.1
		5.3	17.2		26.5	31.5		31.7	18.0		0.0	11.6		-4.7	0.6
FKAQUE	243.6	0.8	0.2	553.9	0.7	0.2	535.0	0.9	0.3	214.3	0.5	0.4	150.0	0.1	0.2
		19.3	1.9		37.7	3.8		52.7	3.8		10.0	3.9		3.0	1.0
394EVR	241.3	0.7	2.6	596.0	1.4	3.4	524.3	0.7	2.2	220.7	0.8	2.7	162.0	0.7	3.4
		17.0	30.7		79.8	52.3		42.0	28.5		16.3	25.7		15.0	17.1
7C8GAJ	252.0	1.1	2.8	573.3	1.0	1.5	435.7	-0.8	0.6	183.3	-1.0	0.9	156.7	0.5	2.2
		27.7	32.2		57.2	23.5		-46.7	8.4		-21.0	9.1		9.7	11.2
729JLJ	242.9	0.7	2.2	527.5	0.2	2.0	494.7	0.2	1.9	228.4	1.2	0.4	195.3	2.4	0.5
		18.6	25.7		11.3	31.1		12.3	24.8		24.1	3.9		48.3	2.6
JQ9CA8	396.5	6.8	7.6	920.2	7.0	37.9	685.0	3.6	35.4	303.7	4.9	8.6	201.6	2.7	9.0
		172.2	88.4		404.0	589.2		202.6	458.0		99.4	83.1		54.6	45.1
Grand Median		224.3			516.2			482.3			204.3			147.0	
Median Abs Dev		18.2			35.3			34.0			10.1			9.7	
Avg Within Lab SD		11.6			15.5			12.9			9.6			5.0	
Labs Included		27			27			27			27			27	
Labs Reporting		27			27			27			27			27	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
M9QMKW	7.4	-0.5	1.0	60.9	0.6	1.6	450.6	-1.1	0.3	18.2	-0.5	1.1	9.2	-0.8	1.3
		-4.0	2.4		9.7	6.2		-285.9	11.1		-3.5	2.3		-4.7	2.7
BKNL7Y	14.7	0.4	0.2	37.3	-0.9	0.2	458.3	-1.0	0.0	19.0	-0.4	0.4	15.7	0.3	0.5
		3.3	0.6		-13.8	0.6		-278.2	0.6		-2.7	1.0		1.8	1.2
E7WXNW	10.3	-0.1	0.2	25.0	-1.7	0.8	281.7	-1.7	0.2	17.7	-0.6	0.3	12.7	-0.2	0.3
		-1.1	0.6		-26.2	3.0		-454.9	7.0		-4.1	0.6		-1.2	0.6
3MY89	11.3	0.0	0.1	43.3	-0.5	2.3	767.3	0.1	0.2	24.5	0.4	0.5	17.2	0.6	0.2
		-0.1	0.3		-7.9	8.9		30.7	8.1		2.8	1.1		3.4	0.4
W9HRV9	14.3	0.4	1.7	36.0	-1.0	0.8	474.7	-1.0	1.6	20.0	-0.2	2.1	16.7	0.5	3.0
		2.9	4.0		-15.2	3.0		-261.9	60.7		-1.7	4.6		2.8	6.4
XFBKG8	14.8	0.4	0.4	59.9	0.6	0.5	691.3	-0.2	1.0	22.7	0.1	0.1	17.5	0.6	0.6
		3.4	0.9		8.8	2.0		-45.2	37.6		1.0	0.2		3.6	1.2
BAQLTV	11.5	0.0	0.3	55.0	0.2	0.7	588.5	-0.6	0.2	28.5	1.0	1.6	12.5	-0.2	0.3
		0.1	0.7		3.8	2.8		-148.0	6.4		6.8	3.5		-1.3	0.7
NMAR8J	6.9	-0.6	0.3	47.7	-0.2	0.3	797.7	0.2	0.3	20.8	-0.1	0.3	10.4	-0.6	0.1
		-4.5	0.6		-3.5	1.0		61.1	11.7		-1.0	0.8		-3.5	0.2
729LA3	12.6	0.2		55.1	0.3		783.6	0.2		22.9	0.2		15.4	0.3	
		1.2	0.0		4.0	0.0		47.1	0.0		1.2	0.0		1.6	0.0
6P2GLV	8.0	-0.4		49.0	-0.1		441.7	-1.1	0.1	17.3	-0.6		9.0	-0.8	
		-3.4	0.0		-2.2	0.0		-294.9	2.9		-4.5	0.0		-4.8	0.0
JYG73E	9.2	-0.3	0.3	50.3	-0.1	0.2	815.3	0.3	0.4	18.1	-0.5	0.9	10.2	-0.6	0.9
		-2.3	0.7		-0.8	0.9		78.8	16.4		-3.6	2.0		-3.6	1.9
Y82F73	36.0	3.1	1.8	69.3	1.1	1.4	705.8	-0.1	1.3	46.0	3.5	0.5	19.9	1.1	0.6
		24.6	4.3		18.1	5.5		-30.7	49.9		24.3	1.1		6.1	1.3
ADR88T	28.3	2.1	0.4	84.0	2.1	0.5	930.4	0.7	0.8	30.6	1.3	0.9	25.5	2.0	0.3
		16.9	1.0		32.9	1.8		193.8	31.2		8.9	2.1		11.6	0.6
PECGCD	10.0	-0.2		52.0	0.1	0.8	835.7	0.4	0.6	26.3	0.7	1.1	12.7	-0.2	1.0
		-1.4	0.0		0.8	3.0		99.1	22.2		4.6	2.5		-1.2	2.1
FKAQUE	5.6	-0.7	0.1	46.2	-0.3	0.1	839.8	0.4	1.1	16.6	-0.7	0.1	9.3	-0.8	0.1
		-5.8	0.2		-4.9	0.4		103.3	42.3		-5.1	0.3		-4.5	0.1
KL8QVA	19.5	1.0	0.9	25.3	-1.6	0.7	156.7	-2.2	0.4	16.5	-0.7	0.4	6.9	-1.2	0.7
		8.1	2.3		-25.9	2.7		-579.8	14.2		-5.2	0.9		-7.0	1.5
394EVR	11.3	0.0	1.3	52.3	0.1	1.7	935.0	0.7	3.1	23.7	0.3	2.2	15.0	0.2	1.4
		-0.1	3.1		1.2	6.7		198.5	115.7		2.0	4.9		1.2	3.0
7C8GAJ	25.5	1.8	2.8	63.7	0.8	1.1	768.3	0.1	0.3	23.7	0.3	1.1	20.0	1.1	1.4
		14.1	6.8		12.5	4.2		31.8	13.1		2.0	2.5		6.2	3.0
JQ9CA8	28.6	2.1	1.8	165.1	7.2	11.8	1,615.2	3.3	22.1	57.5	5.1	5.0	46.7	5.7	4.1
		17.2	4.5		113.9	45.0		878.7	829.7		35.8	11.2		32.8	8.7



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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		
Grand Median	11.4			51.2			736.5			21.7					13.8
Median Abs Dev	3.3			8.3			125.7			3.6					3.5
Avg Within Lab SD	2.4			3.8			37.5			2.2					2.1
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, S (SubTestCode 162)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
M9QMKW	15.6	0.3	0.5	33.3	-0.2	0.1	177.4	0.8	0.3	7.9	-1.0	0.4	12.6	-1.0	1.1		
		0.5	1.5		-1.2	0.8		32.4	4.6		-3.2	1.5		-2.6	3.4		
JGWHQY	17.4	1.2	0.1	36.0	0.2	0.1	158.3	0.3	0.3	11.4	0.1	0.0	17.0	0.7	0.1		
		2.2	0.3		1.5	0.6		13.3	4.2		0.4	0.0		1.8	0.3		
BKNL7Y	23.0	4.0		134.7	12.4	0.1	199.0	1.4	0.1	32.0	6.7		21.0	2.3			
		7.9	0.0		100.2	1.2		54.0	1.0		21.0	0.0		5.8	0.0		
G79EWV	13.3	-0.9	0.2	30.0	-0.6		139.3	-0.1	0.3	10.7	-0.1	0.3	14.3	-0.3	0.2		
		-1.8	0.6		-4.5	0.0		-5.7	4.7		-0.4	1.2		-0.9	0.6		
E7WXNW	13.0	-1.1	0.3	25.7	-1.1	0.1	111.7	-0.8	0.1	14.0	1.0	0.5	16.3	0.4	0.4		
		-2.1	1.0		-8.8	0.6		-33.3	2.5		3.0	1.7		1.1	1.2		
3MY89	14.7	-0.2	0.3	53.1	2.3	0.1	130.2	-0.4	0.1	18.7	2.5	1.0	16.9	0.7	0.1		
		-0.5	0.9		18.6	0.9		-14.8	2.2		7.7	4.0		1.6	0.2		
YZZZJF	17.7	1.3	0.1	38.5	0.5	0.0	161.6	0.4	0.0	13.2	0.7	0.1	19.1	1.5	0.0		
		2.6	0.2		4.0	0.4		16.6	0.3		2.1	0.3		3.9	0.1		
W9HRV9	13.0	-1.1	0.6	36.3	0.2	0.2	120.3	-0.6	0.0	11.7	0.2	0.4	12.7	-1.0	0.5		
		-2.1	1.7		1.8	1.5		-24.7	0.6		0.6	1.5		-2.5	1.5		
D4AZWT	14.1	-0.5	0.1	34.5	0.0	0.0	161.1	0.4	0.2	11.2	0.0	0.1	16.7	0.6	0.1		
		-1.0	0.2		0.0	0.3		16.1	3.2		0.1	0.4		1.5	0.2		
XFBKG8	17.8	1.4	0.2	36.9	0.3	0.1	138.0	-0.2	0.3	17.5	2.1	0.2	16.2	0.4	0.1		
		2.7	0.7		2.4	1.1		-7.0	4.6		6.4	0.6		1.0	0.4		
BAQLTV	13.5	-0.9	0.5	28.0	-0.8	0.2	87.0	-1.5	0.3	12.4	0.4	0.8	9.4	-2.3	0.0		
		-1.7	1.6		-6.5	1.4		-58.0	5.7		1.4	3.1		-5.8	0.1		
NMAR8J	15.6	0.2	0.1	31.6	-0.4	0.0	156.3	0.3	0.1	9.7	-0.4	0.2	16.6	0.5	0.2		
		0.5	0.4		-2.9	0.3		11.3	2.5		-1.3	0.8		1.4	0.8		
729LA3	15.4	0.1		39.8	0.7		163.1	0.5		10.9	0.0		16.0	0.3			
		0.2	0.0		5.3	0.0		18.1	0.0		-0.1	0.0		0.7	0.0		
4Z6AEV	14.7	-0.2	0.2	32.2	-0.3	0.1	147.3	0.1	0.1	9.0	-0.7	0.0	14.5	-0.3	0.1		
		-0.5	0.6		-2.3	0.4		2.3	2.5		-2.1	0.2		-0.7	0.2		
6P2GLV	18.1	1.5	0.0	31.1	-0.4	0.0	145.0	0.0		11.8	0.2	0.0	15.3	0.0	0.0		
		3.0	0.0		-3.4	0.0		0.0	0.0		0.8	0.0		0.1	0.0		
JYG73E	14.5	-0.3	1.8	37.0	0.3	0.1	155.9	0.3	0.4	8.7	-0.7	2.0	19.8	1.8	1.1		
		-0.6	5.5		2.5	1.1		10.9	5.9		-2.3	7.5		4.6	3.2		
Y82F73	15.2	0.0	4.1	46.1	1.4	4.7	83.3	-1.6	4.6	16.7	1.8	3.9	13.0	-0.9	4.2		
		0.1	12.7		11.6	39.3		-61.7	77.4		5.7	15.0		-2.2	12.9		
ADR88T	15.7	0.3	0.1	37.8	0.4	0.1	131.6	-0.3	0.1	9.9	-0.4	0.2	15.1	0.0	0.0		
		0.6	0.3		3.3	1.0		-13.4	1.4		-1.2	0.8		-0.1	0.1		
FKAQUE	14.5	-0.3	0.0	37.5	0.4	0.1	181.4	0.9	0.1	9.1	-0.6	0.0	14.9	-0.1	0.1		
		-0.7	0.1		3.0	0.5		36.4	2.5		-1.9	0.1		-0.3	0.2		
KL8QVA	15.1	0.0	0.6	27.1	-0.9	0.2	101.1	-1.1	0.3	12.0	0.3	0.6	12.4	-1.1	0.6		
		-0.1	1.9		-7.4	1.8		-43.9	4.5		0.9	2.5		-2.8	1.7		



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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		
394EVR	12.7	-1.3	0.5	34.3	0.0	0.7	169.7	0.6	0.7	8.7	-0.8	0.4	14.7	-0.2	0.8
		-2.5	1.5		-0.2	5.5		24.7	12.5		-2.4	1.5		-0.5	2.3
7C8GAJ	16.8	0.8	0.2	38.3	0.5	0.2	136.0	-0.2	0.3	9.4	-0.5	0.2	15.0	-0.1	0.4
		1.6	0.7		3.8	1.5		-9.0	5.0		-1.6	0.8		-0.2	1.2
729JLJ	16.5	0.7	0.2	32.0	-0.3	0.2	160.8	0.4	0.6	10.2	-0.3	0.1	16.1	0.4	0.2
		1.4	0.8		-2.5	1.9		15.8	9.6		-0.8	0.3		0.9	0.7
JQ9CA8				6.2	-3.5	0.3	6.1	-3.5	0.1						
					-28.3	2.6		-138.9	1.9						
Grand Median		15.1			34.5			145.0			11.0			15.2	
Median Abs Dev		1.2			3.3			16.1			1.5			1.2	
Avg Within Lab SD		3.1			8.3			16.8			3.8			3.0	
Labs Included		22			23			23			22			22	
Labs Reporting		22			23			23			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
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
M9QMKW	1,471.4	0.1	0.4	122.4	0.3	0.3	343.0	0.3	0.6	539.9	0.2	0.1	855.1	0.3	0.2	
		36.1	48.6		10.7	8.3		18.0	57.6		30.0	9.9		72.8	46.2	
E7WXNW	1,127.3	-1.2	0.4	111.3	0.0	0.1	322.0	-0.1	0.0	438.0	-0.4	0.1	630.7	-0.5	0.0	
		-308.0	46.5		-0.3	2.5		-3.0	2.6		-71.9	6.6		-151.7	4.0	
XFBKG8	1,520.0	0.3	0.2	109.6	-0.1	0.6	325.0	0.0	0.3	498.3	-0.1	0.2	782.3	0.0	0.1	
		84.7	20.0		-2.1	13.4		0.0	26.9		-11.5	18.3		0.0	19.9	
BAQLTV	1,191.5	-0.9	0.2	257.5	3.9	0.8	270.5	-1.0	0.0	474.0	-0.2	0.1	499.0	-1.0	0.1	
		-243.8	21.9		145.8	20.5		-54.5	2.1		-35.9	7.1		-283.3	9.9	
NMAR8J	1,353.3	-0.3	0.0	111.7	0.0	0.2	336.3	0.2	0.0	469.7	-0.2	0.1	748.3	-0.1	0.1	
		-82.0	5.9		0.0	5.5		11.3	2.5		-40.2	6.5		-34.0	10.1	
6P2GLV	1,435.3	0.0	0.0	60.6	-1.4	0.0	262.7	-1.1	0.0	490.0	-0.1		753.3	-0.1	0.0	
		0.0	4.0		-51.0	0.1		-62.3	0.6		-19.9	0.0		-29.0	0.6	
JYG73E	1,472.7	0.1	0.1	115.6	0.1	1.2	292.7	-0.6	0.9	558.8	0.3	0.1	862.0	0.3	0.2	
		37.4	13.4		4.0	30.3		-32.3	82.3		49.0	9.3		79.7	28.2	
Y82F73	1,384.7	-0.2	0.4	98.0	-0.4	2.1	287.5	-0.7	1.4	553.0	0.3	0.1	932.9	0.5	0.1	
		-50.7	49.7		-13.7	50.4		-37.5	126.9		43.1	10.6		150.5	12.8	
FKAQUE	1,446.7	0.0	0.1	127.7	0.4	0.0	410.8	1.5	0.1	553.8	0.3	0.1	822.1	0.1	0.0	
		11.3	6.6		16.0	0.5		85.8	4.8		44.0	6.1		39.8	4.3	
394EVR	1,930.7	1.9	1.3	153.7	1.1	1.1	328.0	0.1	2.1	696.3	1.1	1.1	1,027.3	0.8	0.7	
		495.3	160.8		42.0	26.2		3.0	191.4		186.5	98.2		245.0	137.1	
7C8GAJ	1,370.0	-0.2	0.8	122.0	0.3	0.5	263.3	-1.1	0.7	416.0	-0.6	0.3	697.3	-0.3	0.2	
		-65.3	101.4		10.3	12.8		-61.7	60.5		-93.9	23.9		-85.0	45.0	
729JLJ	1,175.7	-1.0	0.5	92.2	-0.5	0.2	329.6	0.1	0.3	509.9	0.0	0.3	780.0	0.0	0.1	
		-259.7	68.6		-19.4	5.3		4.6	26.5		0.0	24.3		-2.3	23.0	
JQ9CA8	2,083.8	2.4	3.2	97.9	-0.4	2.1	442.2	2.1	2.2	1,322.7	5.0	3.4	2,137.4	4.7	3.5	
		648.5	404.9		-13.7	51.4		117.2	196.8		812.9	302.1		1,355.0	653.8	
Grand Median		1,435.3			111.7			325.0			509.9			782.3		
Median Abs Dev		82.0			13.7			32.3			43.1			79.7		
Avg Within Lab SD		128.0			24.3			90.6			88.9			186.6		
Labs Included		13			13			13			13			13		
Labs Reporting		13			13			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	Sample Mean	Z Score	k Score	Sample Mean	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			
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
M9QMKW	2.13	-0.09	0.11	7.23	0.62	0.16	2.00	0.40		27.87	1.12	0.55	2.69	0.38	1.21
		-0.04	0.06		0.66	0.06		0.17	0.00		4.28	0.59		0.22	0.20
JGWHQY	1.98	-0.45	0.05	6.58	0.00	0.04	1.88	0.12	0.06	25.00	0.37	0.28	2.57	0.18	0.18
		-0.19	0.03		0.00	0.02		0.05	0.01		1.41	0.30		0.10	0.03
BKNL7Y	1.70	-1.14	0.00	6.30	-0.26	0.00	1.57	-0.63	0.33	23.53	-0.01	0.11	2.10	-0.65	0.00
		-0.47	0.00		-0.28	0.00		-0.26	0.06		-0.05	0.12		-0.37	0.00
G79EWV	2.20	0.07	0.00	6.20	-0.36	0.27	1.80	-0.07	0.58	23.30	-0.07	1.35	2.80	0.58	0.60
		0.03	0.00		-0.38	0.10		-0.03	0.10		-0.28	1.44		0.33	0.10
E7WXNW	1.70	-1.14	0.38	5.83	-0.71	0.16	1.55	-0.67	0.32	20.17	-0.89	0.85	1.82	-1.13	0.45
		-0.47	0.20		-0.74	0.06		-0.28	0.06		-3.42	0.91		-0.65	0.08
3MY89	2.13	-0.10	0.79	5.71	-0.83	0.93	3.20	3.25	2.05	20.59	-0.78	0.61	4.05	2.76	0.28
		-0.04	0.41		-0.87	0.34		1.37	0.36		-3.00	0.65		1.58	0.05
YZZZJF	2.57	0.97	0.66	7.43	0.81	0.31	2.10	0.63	0.93	27.25	0.96	0.24	3.41	1.64	1.42
		0.40	0.35		0.86	0.12		0.27	0.16		3.66	0.26		0.94	0.24
W9HRV9	2.30	0.31	0.38	6.63	0.05	0.56	2.00	0.41	1.12	23.33	-0.07	0.54	2.63	0.28	1.52
		0.13	0.20		0.06	0.21		0.17	0.20		-0.25	0.58		0.16	0.25
D4AZWT	1.87	-0.74	0.02	6.55	-0.03	0.07	1.83	0.00	0.06	24.76	0.31	0.13	2.39	-0.15	0.23
		-0.31	0.01		-0.03	0.03		0.00	0.01		1.18	0.14		-0.08	0.04
XFBKG8	2.60	1.03	1.32	6.57	-0.01	0.63	1.83	0.01	2.84	20.27	-0.87	0.64	3.23	1.33	0.35
		0.43	0.69		-0.01	0.23		0.00	0.49		-3.32	0.68		0.76	0.06
BAQLTV	2.41	0.56	0.28	9.35	2.63	0.57	2.54	1.69	1.30	36.00	3.25	1.32	2.29	-0.31	0.94
		0.23	0.15		2.77	0.21		0.71	0.23		12.42	1.41		-0.18	0.16
NMAR8J	1.87	-0.72	0.03	5.79	-0.75	0.23	1.54	-0.68	0.24	23.58	0.00	0.16	2.47	0.00	0.28
		-0.30	0.02		-0.79	0.09		-0.29	0.04		0.00	0.17		0.00	0.05
729LA3	5.36	7.68		17.60	10.47		4.40	6.10		56.90	8.71		6.06	6.26	
		3.19	0.00		11.02	0.00		2.57	0.00		33.32	0.00		3.59	0.00
4Z6AEV	1.94	-0.57	0.08	5.39	-1.13	0.07	1.52	-0.73	0.18	22.63	-0.25	0.71	1.86	-1.07	0.24
		-0.24	0.04		-1.19	0.03		-0.31	0.03		-0.95	0.76		-0.61	0.04
6P2GLV	2.23	0.15	0.00	6.03	-0.52	0.02	1.73	-0.23	0.00	22.81	-0.20	0.01	2.22	-0.44	0.00
		0.06	0.00		-0.54	0.01		-0.10	0.00		-0.78	0.01		-0.25	0.00
JYG73E	3.60	3.44	4.12	7.07	0.47	0.41	2.73	2.15	0.88	23.93	0.09	0.48	2.80	0.57	0.74
		1.43	2.17		0.49	0.15		0.90	0.15		0.35	0.51		0.33	0.12
Y82F73	2.38	0.51	0.58	7.86	1.22	1.45	2.08	0.59	0.89	23.98	0.10	0.06	2.17	-0.53	0.98
		0.21	0.31		1.29	0.54		0.25	0.15		0.39	0.06		-0.30	0.16
ADR88T	2.54	0.89	0.10	7.96	1.31	0.38	1.85	0.05	0.42	19.81	-0.99	0.66	2.58	0.20	1.03
		0.37	0.06		1.38	0.14		0.02	0.07		-3.78	0.71		0.11	0.17
FKAQUE	2.17	0.00	0.08	7.59	0.97	1.13	1.80	-0.07	0.40	26.77	0.83	0.72	2.25	-0.39	0.08
		0.00	0.04		1.02	0.42		-0.03	0.07		3.19	0.77		-0.22	0.01
394EVR	2.13	-0.09	0.48	6.33	-0.23	2.17	1.63	-0.47	0.67	28.33	1.24	3.38	2.77	0.52	2.98
		-0.04	0.25		-0.24	0.80		-0.20	0.12		4.75	3.61		0.30	0.49



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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		
7C8GAJ	2.23	0.13	0.50	7.47	0.85	1.12	1.52	-0.73	0.27	20.73	-0.75	0.39	2.19	-0.49	0.96
		0.05	0.26		0.89	0.41		-0.31	0.05		-2.85	0.42		-0.28	0.16
729JLJ	1.73	-1.07	0.15	7.01	0.41	3.02	1.58	-0.60	0.92	27.44	1.01	1.38	2.14	-0.58	0.99
		-0.45	0.08		0.43	1.12		-0.25	0.16		3.86	1.47		-0.33	0.16
JQ9CA8	5.66	8.41	3.94	12.70	5.82	14.18	6.27	10.54	20.62	26.15	0.67	3.79	5.64	5.53	12.34
		3.49	2.07		6.12	5.24		4.44	3.58		2.57	4.05		3.17	2.04
Grand Median		2.17			6.58			1.83			23.6			2.47	
Median Abs Dev		0.23			0.66			0.25			2.6			0.30	
Avg Within Lab SD		0.53			0.37			0.17			1.1			0.17	
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		

Mehlich-3, Mn (SubTestCode 165)				in the Mehlich-3 Multi-Element Property Groups											Data units: mg/kg		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
M9QMKW	18.3	-0.1	0.0	196.2	0.3	0.0	249.3	1.1	0.1	88.8	0.7	0.2	92.9	0.6	0.3		
		-0.3	0.5		18.2	1.2		41.5	1.4		10.5	1.2		14.3	2.1		
JGWHQY	21.3	0.5	0.0	203.2	0.5	0.0	237.0	0.8	0.4	88.3	0.7	0.2	110.3	1.3	0.2		
		2.7	0.2		25.2	1.6		29.2	3.4		10.0	1.3		31.6	1.1		
BKNL7Y	17.0	-0.3		163.0	-0.3		181.7	-0.7	0.2	68.0	-0.7		129.9	2.0	0.1		
		-1.6	0.0		-15.0	0.0		-26.2	2.1		-10.3	0.0		51.2	0.9		
G79EWW	18.8	0.0	0.0	178.0	0.0	0.0	207.8	0.0	0.4	83.3	0.3	0.5	85.7	0.3	0.3		
		0.2	0.3		0.0	3.0		0.0	4.2		5.0	3.3		7.0	1.9		
E7WXNW	15.6	-0.6	0.0	455.3	5.3	4.6	173.7	-0.9	0.5	58.5	-1.3	0.2	47.2	-1.2	0.2		
		-3.0	0.5		277.3	578.2		-34.1	5.1		-19.8	1.3		-31.4	1.0		
3MY89	21.3	0.5	0.1	179.5	0.0	0.0	213.2	0.1	0.2	86.9	0.6	0.3	79.1	0.0	0.5		
		2.7	1.1		1.5	2.3		5.4	2.4		8.6	1.9		0.4	3.0		
YZZZJF	17.4	-0.2	0.0	203.1	0.5	0.0	243.3	0.9	0.3	96.3	1.2	0.0	93.0	0.6	0.1		
		-1.2	0.1		25.1	0.9		35.5	2.7		17.9	0.3		14.4	0.7		
W9HRV9	16.7	-0.4	0.1	181.7	0.1	0.0	219.0	0.3	0.6	78.3	0.0	0.1	78.7	0.0	0.2		
		-1.9	0.6		3.7	2.9		11.2	5.3		0.0	0.6		0.0	1.5		
D4AZWT	13.1	-1.0	0.0	143.3	-0.7	0.0	191.2	-0.4	0.0	73.8	-0.3	0.1	71.5	-0.3	0.0		
		-5.5	0.2		-34.7	1.5		-16.6	0.3		-4.6	0.4		-7.2	0.3		
XFBKG8	18.6	0.0	0.1	173.0	-0.1	0.0	184.3	-0.6	0.9	74.0	-0.3	0.4	67.5	-0.4	0.2		
		0.0	0.7		-5.0	2.6		-23.5	8.7		-4.3	2.3		-11.2	1.4		
BAQLTV	47.5	5.3	4.5	127.5	-1.0	0.1	144.5	-1.7	0.5	66.0	-0.8	1.1	38.0	-1.6	0.9		
		28.9	44.5		-50.5	9.2		-63.3	4.9		-12.3	7.1		-40.7	5.7		
NMAR8J	17.3	-0.2	0.0	155.7	-0.4	0.0	185.3	-0.6	0.1	72.2	-0.4	0.4	77.6	0.0	0.7		
		-1.3	0.1		-22.3	5.5		-22.5	0.6		-6.1	2.4		-1.1	4.9		
729LA3	25.2	1.2		260.0	1.6		265.0	1.5		102.8	1.7		102.0	0.9			
		6.6	0.0		82.0	0.0		57.2	0.0		24.5	0.0		23.3	0.0		
4Z6AEV	19.4	0.2	0.0	134.3	-0.8	0.0	191.7	-0.4	0.3	71.7	-0.5	0.0	55.8	-0.9	0.1		
		0.8	0.1		-43.7	0.6		-16.2	3.1		-6.7	0.3		-22.9	0.4		
6P2GLV	20.9	0.4	0.0	183.0	0.1		217.3	0.2	0.1	80.0	0.1		88.0	0.4			
		2.3	0.0		5.0	0.0		9.5	0.6		1.7	0.0		9.3	0.0		
JYG73E	19.7	0.2	0.0	173.5	-0.1	0.0	218.9	0.3	0.4	89.9	0.8	0.4	87.0	0.3	0.2		
		1.1	0.2		-4.5	0.9		11.1	3.4		11.6	2.6		8.3	1.5		
Y82F73	16.7	-0.3	0.0	181.4	0.1	0.0	206.4	0.0	1.7	77.4	-0.1	1.2	59.8	-0.7	0.1		
		-1.9	0.0		3.4	3.7		-1.5	16.1		-0.9	7.6		-18.9	0.7		
FKAQUE	19.6	0.2	0.0	212.7	0.7	0.0	247.6	1.0	0.4	91.4	0.9	0.2	91.0	0.5	0.1		
		1.0	0.1		34.7	1.6		39.8	3.8		13.1	1.6		12.3	0.4		
394EVR	25.0	1.2	0.7	149.7	-0.5	0.4	186.7	-0.6	3.8	88.0	0.7	4.0	70.3	-0.3	4.4		
		6.4	7.0		-28.3	46.9		-21.2	36.8		9.7	25.9		-8.3	28.7		
7C8GAJ	14.4	-0.8	0.3	129.7	-0.9	0.1	143.7	-1.7	0.4	52.3	-1.8	0.7	41.7	-1.5	0.2		
		-4.2	2.8		-48.3	11.0		-64.2	4.2		-26.0	4.7		-37.0	1.5		



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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		
729JLJ	15.1	-0.6	0.0	164.8	-0.3	0.1	220.2	0.3	0.8	73.5	-0.3	0.9	71.6	-0.3	0.2
		-3.5	0.5		-13.2	7.4		12.4	7.5		-4.8	5.6		-7.0	1.4
JQ9CA8	79.4	11.2	1.9	413.5	4.5	1.0	318.2	2.9	8.8	189.5	7.6	7.7	229.0	5.9	10.0
		60.8	18.5		235.5	123.5		110.4	83.9		111.2	49.8		150.3	66.2
Grand Median		18.6			178.0			207.8			78.3			78.7	
Median Abs Dev		1.9			22.3			22.5			9.7			12.3	
Avg Within Lab SD		9.9			126.7			9.6			6.5			6.6	
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		

Mehlich-3, Fe (SubTestCode 166)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
M9QMKW	127.5	0.0	0.4	153.1	0.3	0.2	49.7	0.5	0.5	139.8	0.2	0.1	368.5	0.5	0.2	
		-0.6	3.4		7.5	1.9		5.2	1.4		3.4	1.9		28.6	3.2	
JGWHQY	134.5	0.4	0.2	150.1	0.2	0.1	46.7	0.2	0.3	138.5	0.1	0.1	386.3	0.8	0.3	
		6.4	1.5		4.6	1.2		2.2	0.7		2.1	1.2		46.5	5.3	
BKNL7Y	108.7	-1.1	0.1	131.0	-0.6		36.0	-0.8		121.0	-0.7	0.1	310.7	-0.5	0.1	
		-19.4	1.2		-14.6	0.0		-8.5	0.0		-15.4	1.0		-29.2	2.1	
E7WXNW	119.0	-0.5	0.6	125.0	-0.9	0.5	43.0	-0.1	0.4	110.3	-1.2	0.3	284.3	-0.9	0.5	
		-9.1	5.3		-20.6	4.0		-1.5	1.0		-26.1	4.2		-55.5	9.0	
3MY Y89	153.1	1.4	0.5	173.3	1.2	0.9	71.1	2.6	2.3	178.9	1.9	3.0	378.1	0.6	0.1	
		25.0	3.8		27.8	7.9		26.5	6.0		42.4	37.4		38.3	2.9	
YZZZJF	123.4	-0.3	0.0	162.1	0.7	0.2	52.8	0.8	0.1	145.4	0.4	0.4	362.6	0.4	0.2	
		-4.7	0.2		16.6	1.6		8.2	0.2		9.0	4.8		22.8	3.4	
W9HRV9	129.7	0.1	0.5	152.7	0.3	0.5	46.7	0.2	0.6	134.3	-0.1	0.2	343.0	0.1	0.4	
		1.6	4.0		7.1	4.5		2.2	1.5		-2.1	2.3		3.2	8.5	
D4AZWT	98.2	-1.7	0.1	117.6	-1.2	0.0	36.8	-0.7	0.1	116.3	-0.9	0.1	295.4	-0.8	0.0	
		-29.9	0.8		-27.9	0.2		-7.7	0.3		-20.1	0.9		-44.5	0.5	
XFBKG8	128.7	0.0	0.8	141.3	-0.2	0.3	43.8	-0.1	0.4	125.7	-0.5	0.2	318.7	-0.4	0.1	
		0.6	6.5		-4.2	2.5		-0.7	1.0		-10.8	2.5		-21.2	2.5	
BAQLTV	108.5	-1.1	1.1	127.0	-0.8		34.0	-1.0	2.1	110.5	-1.2	0.5	208.0	-2.2	0.4	
		-19.6	9.2		-18.6	0.0		-10.5	5.7		-25.9	6.4		-131.8	7.1	
NMAR8J	114.0	-0.8	0.2	123.0	-0.9	0.1	36.0	-0.8	0.3	113.3	-1.1	0.2	321.0	-0.3	0.5	
		-14.1	2.0		-22.6	1.0		-8.6	0.8		-23.1	2.1		-18.8	10.1	
729LA3	149.4	1.2		203.5	2.4		64.6	1.9		173.3	1.7		403.5	1.1		
		21.3	0.0		58.0	0.0		20.1	0.0		36.9	0.0		63.7	0.0	
4Z6AEV	115.7	-0.7	0.1	127.3	-0.8	0.1	41.3	-0.3	0.4	133.3	-0.1	0.2	325.0	-0.3	0.2	
		-12.4	0.6		-18.2	0.6		-3.2	1.2		-3.1	3.1		-14.8	3.0	
6P2GLV	137.7	0.5	0.1	151.0	0.2	0.1	46.0	0.1		132.0	-0.2		336.7	-0.1	0.0	
		9.6	0.6		5.5	1.0		1.5	0.0		-4.4	0.0		-3.2	0.6	
JYG73E	131.2	0.2	0.1	139.3	-0.3	0.2	45.2	0.1	0.4	147.4	0.5	0.3	366.3	0.4	0.5	
		3.1	0.9		-6.3	1.6		0.7	1.0		11.0	3.8		26.5	9.2	
Y82F73	114.5	-0.8	0.1	160.9	0.6	0.0	57.7	1.3	0.0	139.0	0.1	0.4	274.4	-1.1	0.1	
		-13.6	0.6		15.4	0.2		13.2	0.1		2.6	4.8		-65.5	1.1	
FKAQUE	130.8	0.1	0.1	157.7	0.5	0.1	47.1	0.3	0.4	140.4	0.2	0.1	357.5	0.3	0.1	
		2.7	0.8		12.2	0.8		2.6	1.1		3.9	1.8		17.7	1.2	
394EVR	151.7	1.3	3.8	138.0	-0.3	4.2	42.3	-0.2	2.6	141.7	0.2	3.1	344.7	0.1	4.3	
		23.6	31.5		-7.6	37.3		-2.2	6.8		5.3	38.8		4.8	86.0	
7C8GAJ	106.3	-1.2	1.5	123.3	-0.9	0.5	33.7	-1.0	0.9	91.3	-2.1	0.7	244.0	-1.6	0.5	
		-21.8	12.5		-22.2	4.5		-10.9	2.3		-45.1	8.1		-95.8	9.5	
729JLJ	133.2	0.3	0.2	149.8	0.2	0.4	40.9	-0.3	1.1	139.6	0.1	0.3	406.2	1.1	0.1	
		5.1	1.5		4.2	3.7		-3.6	2.9		3.2	3.8		66.4	3.0	



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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		
JQ9CA8	302.4	9.6	9.7	281.5	5.7	7.9	115.8	6.9	18.3	322.2	8.5	4.1	432.0	1.6	3.6
	174.3		80.1	135.9		69.6	71.2		48.4	185.8		51.7	92.2		72.6
Grand Median		128.1			145.6			44.5			136.4			339.8	
Median Abs Dev		11.0			15.0			4.4			9.9			28.9	
Avg Within Lab SD		8.2			8.8			2.6			12.5			20.0	
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, Cu (SubTestCode 167)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
M9QMKW	7.65	0.04	0.00	3.87	0.17	0.18	5.20	0.99	0.36	2.50	0.32		1.55	0.09	0.21	
		0.61	0.24		0.10	0.06		0.75	0.10		0.13	0.00		0.04	0.03	
JGWHQY	7.47	0.03	0.00	3.80	0.05	0.33	5.12	0.88	0.27	2.85	1.15	0.11	1.95	1.11	0.09	
		0.43	0.14		0.03	0.11		0.67	0.08		0.48	0.03		0.43	0.01	
BKNL7Y	6.50	-0.04		3.80	0.06	0.00	4.30	-0.19	0.00	2.40	0.08	0.00	1.27	-0.65	0.47	
		-0.54	0.00		0.04	0.00		-0.15	0.00		0.03	0.00		-0.25	0.06	
G79EWV	6.57	-0.03	0.00	3.47	-0.51	0.37	4.37	-0.11	0.54	2.33	-0.08	0.49	1.50	-0.05		
		-0.48	0.12		-0.30	0.12		-0.08	0.15		-0.04	0.12		-0.02	0.00	
E7WXNW	6.67	-0.03	0.01	3.33	-0.73	0.66	4.33	-0.15	0.74	2.07	-0.73	0.24	1.21	-0.81	0.41	
		-0.38	0.58		-0.43	0.21		-0.11	0.21		-0.30	0.06		-0.31	0.05	
3MY89	7.82	0.06	0.00	4.31	0.92	0.08	5.48	1.35	0.20	2.80	1.03	1.38	1.64	0.31	0.28	
		0.78	0.17		0.54	0.03		1.03	0.06		0.43	0.33		0.12	0.03	
YZZZJF	7.64	0.04	0.00	4.19	0.72	0.24	5.19	0.97	0.42	2.66	0.70	0.96	1.60	0.20	1.53	
		0.60	0.18		0.42	0.08		0.74	0.12		0.29	0.23		0.08	0.19	
W9HRV9	6.87	-0.01	0.00	3.80	0.06	0.32	4.83	0.51	0.21	2.43	0.16	0.24	1.58	0.15	0.33	
		-0.18	0.15		0.04	0.10		0.39	0.06		0.07	0.06		0.06	0.04	
D4AZWT	7.04	0.00	0.00	3.56	-0.35	0.11	4.49	0.05	0.27	2.34	-0.08	0.24	1.52	0.01	0.05	
		0.00	0.04		-0.21	0.03		0.04	0.08		-0.03	0.06		0.01	0.01	
XFBKG8	7.07	0.00	0.00	3.90	0.23	0.00	3.87	-0.76	0.21	2.27	-0.24	0.24	1.47	-0.13	0.47	
		0.03	0.15		0.14	0.00		-0.58	0.06		-0.10	0.06		-0.05	0.06	
BAQLTV	204.50	14.17	4.69	2.80	-1.64	0.90	2.50	-2.55	1.51	1.85	-1.25	0.30	0.85	-1.73	0.58	
		197.46	283.55		-0.97	0.28		-1.95	0.42		-0.52	0.07		-0.67	0.07	
NMAR8J	6.26	-0.06	0.00	3.02	-1.27	0.38	3.73	-0.94	0.67	2.51	0.35	0.60	1.74	0.57	0.93	
		-0.78	0.13		-0.75	0.12		-0.72	0.19		0.15	0.14		0.22	0.11	
729LA3	16.30	0.66		11.50	13.16		12.60	10.69		6.31	9.49		3.51	5.14		
		9.26	0.00		7.74	0.00		8.15	0.00		3.94	0.00		1.99	0.00	
4Z6AEV	6.73	-0.02	0.00	3.13	-1.07	0.37	4.07	-0.50	0.21	2.23	-0.33	0.24	0.89	-1.61	0.42	
		-0.31	0.06		-0.63	0.12		-0.38	0.06		-0.14	0.06		-0.63	0.05	
6P2GLV	6.94	-0.01	0.00	3.49	-0.46	0.00	4.54	0.12	0.00	2.28	-0.21	0.00	1.54	0.05	0.00	
		-0.10	0.01		-0.27	0.00		0.09	0.00		-0.09	0.00		0.02	0.00	
JYG73E	7.11	0.00	0.00	3.73	-0.05	0.18	4.73	0.38	0.21	2.67	0.72	0.24	1.60	0.22	0.61	
		0.07	0.12		-0.03	0.06		0.29	0.06		0.30	0.06		0.09	0.07	
Y82F73	6.52	-0.04	0.01	3.94	0.30	0.93	4.41	-0.05	1.71	2.01	-0.85	1.66	0.77	-1.94	1.22	
		-0.52	0.53		0.18	0.29		-0.04	0.48		-0.35	0.39		-0.75	0.15	
ADR88T	6.90	-0.01	0.00	4.97	2.06	0.46	4.24	-0.27	0.48	2.06	-0.74	0.15	1.51	-0.01	0.21	
		-0.14	0.15		1.21	0.15		-0.21	0.14		-0.31	0.04		-0.01	0.03	
FKAQUE	8.02	0.07	0.00	4.21	0.76	0.03	5.40	1.25	0.37	2.83	1.10	0.18	1.78	0.67	0.19	
		0.98	0.07		0.45	0.01		0.95	0.10		0.46	0.04		0.26	0.02	
394EVR	8.33	0.09	0.02	3.40	-0.62	1.76	4.60	0.20	1.28	2.57	0.48	2.33	1.13	-0.99	3.42	
		1.29	1.40		-0.37	0.56		0.15	0.36		0.20	0.55		-0.39	0.42	



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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		
7C8GAJ	7.82	0.06	0.01	4.01	0.41	0.36	4.12	-0.43	0.68	2.05	-0.76	0.19	1.14	-0.98	0.43
		0.78	0.63		0.24	0.11		-0.33	0.19		-0.32	0.05		-0.38	0.05
729JLJ	6.70	-0.02	0.01	3.31	-0.78	0.36	4.23	-0.28	0.50	2.54	0.41	0.26	1.72	0.52	0.46
		-0.34	0.70		-0.46	0.12		-0.21	0.14		0.17	0.06		0.20	0.06
JQ9CA8	7.04	0.00	0.02	2.83	-1.60	3.94	5.91	1.92	3.48	1.09	-3.07	2.96	0.73	-2.03	1.85
		0.00	1.23		-0.94	1.25		1.46	0.98		-1.28	0.70		-0.79	0.23
Grand Median		7.04			3.77			4.45			2.37			1.52	
Median Abs Dev		0.45			0.33			0.36			0.25			0.21	
Avg Within Lab SD		60.45			0.32			0.28			0.24			0.12	
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, B (SubTestCode 168)			in the Mehlich-3 Multi-Element Property Groups									Data units: mg/kg			
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
M9QMKW	0.23	-0.28 -0.10 0.02	0.23	4.60	0.48	0.00	4.77	0.50	0.22	0.87	0.10	0.20	0.22	-0.54	0.20
JGWHQY	0.33	-0.01 0.00 3.96	0.17	3.50	-0.50	0.23	3.48	-0.34	0.20	0.79	-0.12	0.03	0.49	0.01	0.24
BKNL7Y	1.70	0.00 1.37	0.00	4.50	0.39	0.41	4.23	-0.52	0.05	1.33	-0.04	0.01	3.17	5.32	0.03
E7WXNW	0.11	3.96 1.37	0.00	4.50	0.44	0.10	4.23	0.23	0.15	1.33	1.39	1.04	3.17	2.68	0.06
3MYY89	0.33	-0.63 -0.22 0.00	0.23	1.03	-2.72	0.24	1.03	-1.95	0.22	0.41	-1.16	0.09	0.24	-0.49	0.10
YZZZJF	0.63	0.00 0.00 0.86	0.11	2.75	-1.18	0.02	2.66	-0.88	0.04	0.74	-0.25	0.12	0.47	-0.03	0.19
W9HRV9	0.39	0.00 0.30 0.16	0.01	2.75	-1.32	0.01	2.66	-1.34	0.01	0.74	-0.09	0.04	0.47	-0.02	0.02
D4AZWT	0.35	0.86 0.30 0.16	0.33	4.57	0.45	1.10	4.76	0.50	0.85	0.83	0.00	0.08	0.64	0.30	0.11
XFBKG8	0.13	0.00 0.06 2.51	0.03	4.57	0.51	0.27	4.76	0.76	0.22	0.83	0.00	0.02	0.64	0.15	0.01
BAQLTV	1.20	0.16 0.06 0.05	0.23	3.24	-0.74	0.38	3.24	-0.50	0.21	0.78	-0.14	0.09	0.60	0.22	0.38
NMAR8J	0.30	0.02 0.02 -0.57	0.34	4.06	0.00	0.17	4.24	0.16	0.00	0.96	-0.05	0.03	0.57	0.11	0.04
6P2GLV	0.35	0.05 0.02 -0.23	0.03	4.06	0.00	0.04	4.24	0.24	0.00	0.96	0.35	0.02	0.57	0.16	0.19
JYG73E	0.25	-0.20 2.51 0.87	0.06	2.50	-1.40	0.00	2.10	-1.25	0.00	0.47	-1.01	0.20	0.10	-0.77	0.02
Y82F73	0.35	0.87 -0.09 -0.03	0.39	5.00	0.84	1.75	9.20	3.42	2.18	2.10	3.51	1.44	0.60	0.22	1.35
FKAQUE	0.24	0.87 -0.09 -0.03	0.39	5.00	0.94	0.42	9.20	5.20	0.57	2.10	1.27	0.42	0.60	0.11	0.14
394EVR	0.30	0.06 0.06 0.02	0.01	3.90	-0.15	0.41	4.13	0.09	0.06	0.77	-0.18	0.09	0.28	-0.41	0.34
JQ9CA8	0.91	-0.03 0.02 1.67	0.03	3.90	-0.16	0.10	4.13	0.13	0.02	0.77	-0.07	0.03	0.28	-0.21	0.04
		0.02 -0.08 0.05	0.01	3.46	-0.55	0.00	3.33	-0.44	0.00	0.75	-0.23	0.00	0.49	0.00	0.00
		0.02 -0.26 -0.09	0.00	3.46	-0.61	0.00	3.33	-0.67	0.00	0.75	-0.08	0.00	0.49	0.00	0.00
		0.02 -0.09 -0.09	0.20	4.07	0.00	0.24	4.00	0.00	0.38	0.80	-0.09	0.00	0.31	-0.35	0.58
		0.05 0.02 -0.26	0.02	4.07	0.00	0.06	4.00	0.00	0.10	0.80	-0.03	0.00	0.31	-0.18	0.06
		0.05 0.02 -0.26	0.34	4.82	0.68	1.37	3.74	-0.17	1.89	0.86	0.07	0.14	0.56	0.15	0.35
		0.02 -0.09 -0.09	0.03	4.82	0.76	0.33	3.74	-0.26	0.49	0.86	0.02	0.04	0.56	0.07	0.04
		0.02 -0.26 -0.09	0.08	4.90	0.76	0.10	4.85	0.56	0.21	0.89	0.17	0.04	0.14	-0.69	0.02
		0.02 -0.09 -0.09	0.01	4.90	0.84	0.02	4.85	0.85	0.05	0.89	0.06	0.01	0.14	-0.35	0.00
		0.02 -0.09 -0.09	1.13	4.27	0.18	1.71	4.27	0.18	1.24	1.50	1.85	3.55	0.23	-0.50	1.10
		-0.03 1.67 0.58	0.10	4.27	0.20	0.42	4.27	0.27	0.32	1.50	0.67	1.04	0.23	-0.25	0.12
		1.67 0.58	3.82	3.58	-0.44	2.70	3.43	-0.38	2.39	1.14	0.84	1.06	1.14	1.30	3.57
		0.58	0.34	3.58	-0.49	0.66	3.43	-0.57	0.62	1.14	0.31	0.31	1.14	0.65	0.37
Grand Median		0.33		4.06	4.00	0.83	4.00	0.83	0.83	0.83	0.83	0.83	0.49	0.49	0.49
Median Abs Dev		0.08		0.56	0.67	0.18	0.67	0.08	0.08	0.08	0.08	0.08	0.18	0.18	0.18
Avg Within Lab SD		0.09		0.24	0.26	0.10	0.26	0.29	0.29	0.29	0.29	0.29	0.10	0.10	0.10
Labs Included		17		17	17	17	17	17	17	17	17	17	17	17	17
Labs Reporting		17		17	17	17	17	17	17	17	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														
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	0.56	-0.11	0.18	2.00	-0.54	0.33	0.36	-0.50	0.07	14.76	0.46	0.16	0.98	-0.61	0.05
		-0.04	0.01		-0.39	0.05		-0.11	0.00		1.36	0.13		-0.27	0.01
P4A2NU	0.50	-0.29	0.21	2.40	0.02	0.04	0.42	-0.22	0.00	12.07	-0.45	0.19	0.73	-1.18	0.05
		-0.09	0.01		0.01	0.01		-0.05	0.00		-1.34	0.15		-0.52	0.01
M9QMKW	0.46	-0.41	1.54	1.70	-0.97	0.44	0.62	0.71	1.47	11.05	-0.80	1.69	1.32	0.16	3.80
		-0.13	0.08		-0.69	0.06		0.15	0.07		-2.35	1.37		0.07	0.46
NLDBVL	0.95	1.13	0.89	2.83	0.62	1.26	0.51	0.20	0.24	16.11	0.92	0.69	1.47	0.50	0.40
		0.36	0.04		0.44	0.18		0.04	0.01		2.70	0.56		0.22	0.05
CHC7CY	0.64	0.15	0.09	2.88	0.68	0.31	0.59	0.57	0.83	9.79	-1.22	0.09	1.21	-0.08	0.14
		0.05	0.00		0.49	0.05		0.12	0.04		-3.61	0.08		-0.04	0.02
QRTWTH	0.77	0.57	1.35	2.65	0.36	0.40	0.40	-0.33	0.59	14.25	0.29	0.30	1.28	0.07	0.83
		0.18	0.07		0.26	0.06		-0.07	0.03		0.85	0.25		0.03	0.10
7ZD6W6	0.63	0.13	1.18	2.53	0.20	2.19	0.47	0.00	1.15	16.03	0.89	0.40	1.27	0.04	0.48
		0.04	0.06		0.14	0.32		0.00	0.06		2.63	0.32		0.02	0.06
49HZ39	0.55	-0.13	0.31	2.24	-0.21	0.49	0.52	0.25	1.05	14.35	0.32	0.25	2.09	1.92	0.99
		-0.04	0.02		-0.15	0.07		0.05	0.05		0.94	0.20		0.84	0.12
TJAAWJ	1.03	1.38	1.13	2.81	0.59	0.12	0.86	1.84	0.30	13.21	-0.07	0.13	1.46	0.49	0.27
		0.44	0.06		0.42	0.02		0.39	0.02		-0.19	0.11		0.21	0.03
HBXDMV	0.50	-0.29		2.00	-0.54		0.30	-0.79	0.00	10.10	-1.12	0.12	1.00	-0.57	
		-0.09	0.00		-0.39	0.00		-0.17	0.00		-3.30	0.10		-0.25	0.00
9NWXA4	0.70	0.33	2.05	2.57	0.25	1.42	0.40	-0.31	0.00	13.93	0.18	1.00	1.43	0.42	0.48
		0.11	0.10		0.18	0.21		-0.07	0.00		0.53	0.81		0.18	0.06
CTDWTZ	0.59	0.00	0.24	2.08	-0.43	0.20	0.59	0.58	0.20	14.50	0.37	0.69	1.37	0.27	0.13
		0.00	0.01		-0.31	0.03		0.12	0.01		1.10	0.56		0.12	0.02
Q79WMM	0.63	0.10	0.12	2.39	0.00	0.28	0.47	0.03	0.27	16.83	1.16	0.18	1.27	0.05	0.36
		0.03	0.01		0.00	0.04		0.01	0.01		3.43	0.14		0.02	0.04
8BQPU8	0.27	-1.01	0.74	3.00	0.86	1.91	0.02	-2.10	0.00	12.93	-0.16	0.38	0.51	-1.70	0.13
		-0.32	0.04		0.61	0.28		-0.45	0.00		-0.47	0.31		-0.74	0.02
ALN6UV	0.78	0.58	0.54	2.30	-0.13	0.68	0.91	2.10	0.30	13.09	-0.11	0.71	1.23	-0.04	1.27
		0.19	0.03		-0.09	0.10		0.45	0.02		-0.32	0.57		-0.02	0.15
9L8TGW	1.02	1.34	0.00	3.79	1.95	0.24	0.64	0.83	0.23	15.33	0.65	0.14	1.61	0.82	0.17
		0.43	0.00		1.40	0.03		0.18	0.01		1.93	0.12		0.36	0.02
JR33FL	0.50	-0.29		2.17	-0.31	1.04	0.43	-0.16	1.15	14.07	0.22	0.19	0.83	-0.95	0.48
		-0.09	0.00		-0.22	0.15		-0.03	0.06		0.66	0.15		-0.42	0.06
W9HRV9	2.71	6.63	1.48	2.83	0.62	0.72	0.86	1.84	1.91	10.17	-1.10	0.26	1.12	-0.29	1.00
		2.12	0.07		0.44	0.11		0.39	0.10		-3.24	0.21		-0.13	0.12
ZK39D6	0.03	-1.76	0.23	1.69	-0.97	0.62	0.02	-2.12	0.13	12.24	-0.40	0.46	0.88	-0.84	0.91
		-0.56	0.01		-0.70	0.09		-0.45	0.01		-1.17	0.37		-0.37	0.11
BAQLTV	0.60	0.02		2.10	-0.40		0.50	0.16		9.20	-1.42		1.40	0.34	
		0.01	0.00		-0.29	0.00		0.03	0.00		-4.20	0.00		0.15	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		
B6T2QW	0.36	-0.73	1.41	1.39	-1.40	0.32	0.28	-0.88	0.41	7.78	-1.90	0.25	0.63	-1.42	0.13
		-0.23	0.07		-1.00	0.05		-0.19	0.02		-5.62	0.21		-0.62	0.02
BKK2HW	0.54	-0.18	0.85	2.20	-0.27	0.00	0.32	-0.68	0.30	11.00	-0.81		1.13	-0.27	0.48
		-0.06	0.04		-0.19	0.00		-0.14	0.02		-2.40	0.00		-0.12	0.06
F74V9R	0.64	0.16	0.01	2.43	0.06	1.10	0.58	0.53	0.59	16.18	0.94	0.79	1.51	0.58	0.41
		0.05	0.00		0.04	0.16		0.11	0.03		2.78	0.64		0.26	0.05
49EGE6	0.51	-0.27	1.20	2.34	-0.07	1.98	0.28	-0.89	1.26	13.65	0.08	0.26	1.05	-0.45	1.01
		-0.09	0.06		-0.05	0.29		-0.19	0.06		0.25	0.21		-0.20	0.12
4Z6AEV	0.56	-0.11	0.52	2.03	-0.50	0.10	0.62	0.71	0.30	11.15	-0.76	0.05	1.11	-0.31	0.27
		-0.04	0.03		-0.36	0.02		0.15	0.02		-2.26	0.04		-0.14	0.03
JYG73E	0.46	-0.42	0.54	2.39	0.00	1.55	0.67	0.97	2.53	13.75	0.12	0.69	1.38	0.30	3.97
		-0.13	0.03		0.00	0.23		0.21	0.13		0.34	0.56		0.13	0.48
Y82F73	0.58	-0.04	1.10	2.36	-0.04	0.56	0.46	-0.04	0.79	12.59	-0.27	0.36	0.44	-1.86	0.70
		-0.01	0.05		-0.03	0.08		-0.01	0.04		-0.81	0.29		-0.81	0.08
MZ2YRE	0.43	-0.51	0.00	1.88	-0.71	0.04	0.38	-0.41	0.20	12.38	-0.35	0.19	1.06	-0.43	0.50
		-0.16	0.00		-0.51	0.01		-0.09	0.01		-1.02	0.15		-0.19	0.06
4P4LMY	0.45	-0.45	0.94	2.57	0.25	0.34	0.16	-1.46	0.64	10.75	-0.90	0.54	1.30	0.11	0.92
		-0.14	0.05		0.18	0.05		-0.31	0.03		-2.66	0.44		0.05	0.11
ADR88T	0.86	0.84	0.26	3.71	1.83	0.35	0.47	0.02	0.05	15.04	0.55	0.08	1.49	0.54	0.05
		0.27	0.01		1.32	0.05		0.00	0.00		1.64	0.07		0.24	0.01
PECGCD	0.60	0.02	1.83	2.13	-0.36	1.69	0.55	0.38	1.13	14.04	0.22	1.23	1.04	-0.49	0.28
		0.01	0.09		-0.26	0.25		0.08	0.06		0.64	0.99		-0.21	0.03
Q49NHD	0.51	-0.26	0.13	2.44	0.07	0.11	0.36	-0.48	0.05	12.46	-0.32	0.03	1.26	0.03	0.06
		-0.08	0.01		0.05	0.02		-0.10	0.00		-0.94	0.03		0.01	0.01
NDHCHE	0.62	0.09	3.03	2.57	0.25	1.04	0.47	0.00	0.61	10.43	-1.01	3.57	0.99	-0.59	0.14
		0.03	0.15		0.18	0.15		0.00	0.03		-2.97	2.89		-0.26	0.02
PQMPE7	0.40	-0.61	0.00	1.80	-0.82	0.00	0.40	-0.31	0.00	11.53	-0.63	0.07	1.13	-0.27	0.48
		-0.19	0.00		-0.59	0.00		-0.07	0.00		-1.87	0.06		-0.12	0.06
UC8H62	1.50	2.84		4.90	3.50		0.80	1.57		25.90	4.23		3.60	5.36	
		0.91	0.00		2.51	0.00		0.33	0.00		12.50	0.00		2.35	0.00
WWRYLZ	0.91	0.98	0.04	3.78	1.94	0.07	0.63	0.76	0.15	16.27	0.97	0.04	1.96	1.62	0.58
		0.31	0.00		1.39	0.01		0.16	0.01		2.86	0.03		0.71	0.07
DLVLGJ	0.61	0.05		2.22	-0.24		0.46	-0.03		13.50	0.03		1.17	-0.18	
		0.02	0.00		-0.17	0.00		-0.01	0.00		0.10	0.00		-0.08	0.00
DRWZ3L	1.10	1.59	2.05	3.90	2.11	1.18	0.48	0.07	1.11	14.47	0.36	0.62	1.63	0.87	0.48
		0.51	0.10		1.51	0.17		0.01	0.06		1.06	0.50		0.38	0.06
HBX9B8	0.50	-0.29		2.33	-0.08	0.39	0.40	-0.31	0.00	11.97	-0.49	0.19	1.13	-0.27	0.48
		-0.09	0.00		-0.06	0.06		-0.07	0.00		-1.44	0.15		-0.12	0.06
FFW7K9	1.77	3.68		5.64	4.53		1.16	3.27		18.82	1.83		2.79	3.51	
		1.18	0.00		3.25	0.00		0.69	0.00		5.42	0.00		1.54	0.00
JQ9CA8	0.55	-0.15	1.24	2.72	0.46	3.05	0.71	1.16	4.14	14.57	0.39	4.28	1.25	0.00	0.52
		-0.05	0.06		0.33	0.45		0.25	0.21		1.16	3.46		0.00	0.06
FZ2NVA	0.73	0.43	0.78	3.87	2.06	1.57	0.39	-0.35	0.42	13.40	0.00	0.33	1.41	0.37	0.25
		0.14	0.04		1.48	0.23		-0.07	0.02		0.00	0.26		0.16	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		
Grand Median		0.59			2.39			0.47			13.4			1.25	
Median Abs Dev		0.09			0.31			0.11			1.4			0.19	
Avg Within Lab SD		0.05			0.15			0.05			0.8			0.12	
Labs Included		41			41			41			41			41	
Labs Reporting		41			41			41			41			41	



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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		
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
6LYFJD	0.59	-0.43	0.08	2.50	-0.44	0.06	4.79	-0.74	0.25	8.20	-0.32	0.43	19.20	-0.72	0.38		
		-0.25	0.01		-1.28	0.05		-1.53	0.13		-1.03	0.36		-8.22	0.81		
P4A2NU	0.70	-0.23	0.00	2.10	-0.57	0.00	5.23	-0.52	0.12	6.40	-0.88	0.00	20.00	-0.65	0.12		
		-0.13	0.00		-1.68	0.00		-1.08	0.06		-2.83	0.00		-7.43	0.26		
M9QMKW	0.81	-0.03	0.75	5.24	0.50	0.44	7.23	0.44	0.37	8.88	-0.11	0.43	27.19	-0.02	1.89		
		-0.02	0.13		1.46	0.34		0.92	0.18		-0.35	0.36		-0.24	4.01		
NLDBVL	2.25	2.47	0.82	6.54	0.94	0.41	7.87	0.75	0.66	13.53	1.33	0.68	37.37	0.87	0.55		
		1.42	0.14		2.77	0.32		1.56	0.33		4.30	0.56		9.94	1.18		
CHC7CY	0.63	-0.35	0.09	7.02	1.10	0.11	7.29	0.47	0.29	5.33	-1.21	0.24	19.17	-0.72	0.17		
		-0.20	0.02		3.24	0.09		0.97	0.14		-3.91	0.20		-8.26	0.35		
QRTWTH	1.30	0.81	0.08	2.01	-0.60	0.37	3.81	-1.21	0.80	10.12	0.28	0.69	22.58	-0.42	0.83		
		0.47	0.01		-1.77	0.28		-2.51	0.40		0.89	0.58		-4.85	1.76		
7ZD6W6	0.50	-0.58	1.02	2.40	-0.47	1.59	5.13	-0.57	1.00	9.30	0.02	1.15	30.33	0.25	0.80		
		-0.33	0.17		-1.38	1.23		-1.18	0.49		0.07	0.95		2.91	1.70		
49HZ39	0.83	-0.01	0.44	2.28	-0.51	0.20	6.30	-0.01	1.13	9.33	0.03	0.49	23.31	-0.36	0.50		
		-0.01	0.08		-1.49	0.16		-0.02	0.56		0.10	0.41		-4.12	1.07		
TJAAWJ	0.01	-1.43	0.00	5.28	0.51	5.08	8.86	1.22	0.19	5.72	-1.09	0.16	20.54	-0.60	0.13		
		-0.82	0.00		1.51	3.93		2.54	0.09		-3.51	0.13		-6.89	0.27		
HBXDMV	0.60	-0.41	0.00	1.00	-0.94		3.03	-1.58	0.12	5.17	-1.26	0.07	22.27	-0.45	0.10		
		-0.23	0.00		-2.78	0.00		-3.28	0.06		-4.07	0.06		-5.16	0.21		
9NWXA4	1.00	0.29		2.33	-0.49	0.75	5.33	-0.47	1.17	9.00	-0.07	2.08	30.67	0.28	0.54		
		0.17	0.00		-1.44	0.58		-0.98	0.58		-0.23	1.73		3.24	1.15		
CTDWTZ	0.77	-0.12	0.34	2.03	-0.59	0.07	5.00	-0.63	0.20	8.00	-0.38	0.24	27.67	0.02	0.54		
		-0.07	0.06		-1.74	0.06		-1.32	0.10		-1.23	0.20		0.24	1.15		
Q79WMM	1.07	0.41	0.68	4.33	0.19	0.30	6.88	0.27	0.85	10.74	0.47	0.82	35.67	0.72	0.49		
		0.23	0.12		0.56	0.23		0.56	0.42		1.51	0.68		8.24	1.04		
8BQPU8	1.35	0.91	0.28	8.76	1.70	0.40	7.86	0.74	0.35	11.90	0.83	0.62	31.70	0.37	0.16		
		0.52	0.05		4.99	0.31		1.55	0.17		2.67	0.52		4.27	0.35		
ALN6UV	0.70	-0.24	0.07	2.22	-0.53	0.03	5.24	-0.52	0.04	7.17	-0.64	0.06	31.00	0.31	0.29		
		-0.14	0.01		-1.56	0.03		-1.08	0.02		-2.06	0.05		3.57	0.62		
JR33FL	0.83	0.00	0.34	3.07	-0.24	0.42	6.90	0.28	0.35	9.17	-0.02	0.07	16.73	-0.93	0.14		
		0.00	0.06		-0.71	0.32		0.59	0.17		-0.07	0.06		-10.70	0.31		
ZK39D6	1.56	1.27	2.55	2.04	-0.59	0.49	5.69	-0.30	0.69	8.50	-0.23	0.69	35.21	0.68	2.13		
		0.73	0.44		-1.74	0.38		-0.62	0.34		-0.73	0.57		7.78	4.54		
BAQLTV	2.20	2.38		1.60	-0.74		2.80	-1.69		4.90	-1.34		11.60	-1.38			
		1.37	0.00		-2.18	0.00		-3.52	0.00		-4.33	0.00		-15.83	0.00		
BKK2HW	1.12	0.50	1.00	6.53	0.94	0.30	6.97	0.31	0.62	10.23	0.31	0.82	30.33	0.25	1.44		
		0.29	0.17		2.76	0.23		0.65	0.31		1.00	0.68		2.91	3.06		
F74V9R	1.31	0.83	0.10	7.07	1.12	1.23	10.20	1.87	1.85	16.30	2.19	0.90	45.79	1.60	1.24		
		0.48	0.02		3.30	0.95		3.88	0.91		7.06	0.75		18.36	2.64		



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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		
49EGE6	1.73	1.56	1.46	4.50	0.25	0.64	6.61	0.14	0.82	13.69	1.38	0.49	40.45	1.13	0.85
		0.90	0.25		0.73	0.50		0.29	0.40		4.45	0.41		13.02	1.80
JYG73E	0.86	0.05	0.94	5.16	0.47	0.23	7.44	0.54	1.12	10.90	0.52	0.51	33.50	0.53	1.53
		0.03	0.16		1.38	0.18		1.12	0.55		1.66	0.43		6.07	3.26
Y82F73	1.08	0.43	0.56	5.71	0.66	0.63	7.89	0.76	2.04	11.72	0.77	1.53	15.15	-1.07	0.68
		0.24	0.10		1.94	0.49		1.57	1.01		2.48	1.28		-12.28	1.44
MZ2YRE	0.55	-0.50	0.09	2.30	-0.50	0.08	4.92	-0.67	0.15	7.20	-0.63	0.09	22.28	-0.45	0.34
		-0.29	0.02		-1.48	0.06		-1.40	0.07		-2.04	0.07		-5.15	0.72
ADR88T	1.30	0.81	0.32	6.36	0.88	0.35	6.84	0.25	0.14	10.97	0.54	0.10	37.68	0.89	0.37
		0.46	0.06		2.59	0.27		0.53	0.07		1.74	0.08		10.25	0.78
PECGCD	0.73	-0.18	0.80	1.59	-0.74	0.21	4.28	-0.98	1.02	7.01	-0.69	0.72	16.27	-0.97	0.69
		-0.10	0.14		-2.18	0.17		-2.04	0.50		-2.23	0.60		-11.16	1.46
NDHCHE	0.73	-0.19	0.79	3.83	0.02	0.54	5.57	-0.36	1.52	6.40	-0.88	1.99	21.00	-0.56	
		-0.11	0.13		0.06	0.42		-0.75	0.75		-2.83	1.65		-6.43	0.00
PQMPE7	1.00	0.29		4.00	0.08		6.33	0.01	1.17	10.00	0.24		38.33	0.95	0.72
		0.17	0.00		0.23	0.00		0.02	0.58		0.77	0.00		10.91	1.53
WWRYLZ	0.98	0.25	0.04	48.16	15.11	2.86	15.29	4.32	0.36	24.45	4.72	0.14	61.85	3.00	0.06
		0.14	0.01		44.39	2.21		8.97	0.18		15.22	0.11		34.42	0.13
DLVLGJ	0.74	-0.17		2.23	-0.53		4.76	-0.75		8.20	-0.32		30.60	0.28	
		-0.10	0.00		-1.55	0.00		-1.56	0.00		-1.03	0.00		3.17	0.00
DRWZ3L	2.13	2.26	4.16	8.87	1.73	0.54	6.37	0.02	0.59	10.23	0.31	3.92	24.60	-0.25	0.73
		1.30	0.71		5.09	0.42		0.05	0.29		1.00	3.27		-2.83	1.56
HBX9B8	0.57	-0.46	0.34	3.13	-0.22	0.20	4.97	-0.65	1.04	5.83	-1.05	0.07	21.97	-0.48	0.42
		-0.27	0.06		-0.64	0.15		-1.35	0.51		-3.40	0.06		-5.46	0.90
FFW7K9	0.77	-0.12		5.52	0.59		7.33	0.49		9.56	0.10		25.07	-0.21	
		-0.07	0.00		1.75	0.00		1.02	0.00		0.33	0.00		-2.36	0.00
JQ9CA8				3.72	-0.02	0.74	5.13	-0.57	1.19	9.52	0.09	0.28	40.46	1.13	3.58
					-0.06	0.57		-1.19	0.58		0.28	0.23		13.03	7.62
FZ2NVA	1.73	1.56	0.18	11.17	2.52	0.20	10.71	2.12	3.15	16.97	2.40	0.91	55.57	2.45	0.99
		0.89	0.03		7.39	0.15		4.40	1.55		7.73	0.76		28.14	2.11
Grand Median		0.83			3.78			6.32			9.23			27.4	
Median Abs Dev		0.23			1.62			1.15			1.70			6.7	
Avg Within Lab SD		0.17			0.77			0.49			0.83			2.1	
Labs Included		33			34			34			34			34	
Labs Reporting		33			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		

Fe - DTPA (SubTestCode 171)		in the Micronutrients Property Groups												Data units: mg/kg	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	17.5	-0.6	0.0	17.5	-0.4	0.3	1.2	-1.0	0.3	25.7	-0.4	0.3	77.5	-0.8	0.2
		-8.8	0.4		-4.2	0.4		-1.0	0.1		-3.8	1.0		-35.1	1.7
P4A2NU	16.3	-0.7	0.1	20.0	-0.2		2.0	-0.2		20.0	-0.9		64.7	-1.1	0.1
		-10.0	0.6		-1.7	0.0		-0.2	0.0		-9.5	0.0		-47.9	0.6
M9QMKW	27.9	0.1	0.2	16.7	-0.5	0.7	2.4	0.2	1.6	44.3	1.4	4.1	122.1	0.2	1.8
		1.6	2.0		-5.0	1.0		0.2	0.3		14.8	16.3		9.5	18.3
NLDBVL	31.5	0.4	0.2	31.0	1.0	1.3	2.5	0.3	1.0	37.5	0.7	0.4	141.1	0.7	0.6
		5.2	1.8		9.3	1.8		0.3	0.2		8.0	1.5		28.5	6.5
CHC7CY	34.0	0.5	0.0	45.7	2.5	0.1	4.6	2.4	0.3	31.6	0.2	0.4	122.4	0.2	0.0
		7.7	0.3		24.0	0.2		2.4	0.1		2.1	1.4		9.8	0.3
QRTWTH	86.4	4.2	0.5	9.2	-1.3	0.6	0.6	-1.6	0.4	60.5	2.9	3.0	208.4	2.2	3.9
		60.1	4.1		-12.5	0.8		-1.6	0.1		31.0	11.8		95.8	40.5
7ZD6W6	34.4	0.6	0.6	23.6	0.2	1.8	1.6	-0.6	1.4	34.1	0.4	0.8	128.8	0.4	0.3
		8.1	4.9		1.9	2.4		-0.6	0.3		4.6	3.3		16.2	3.1
49HZ39	24.7	-0.1	0.4	19.8	-0.2	0.7	3.6	1.4	0.3	29.1	0.0	0.5	95.7	-0.4	0.3
		-1.6	3.5		-1.9	0.9		1.4	0.1		-0.4	1.8		-16.9	3.2
TJAAWJ	27.2	0.1	0.2	23.8	0.2	0.6	0.0	-2.1	0.0	33.1	0.3	0.1	141.4	0.7	0.1
		0.9	2.1		2.1	0.8		-2.2	0.0		3.6	0.4		28.8	0.8
HBXDMV	17.3	-0.6	0.1	14.3	-0.8	0.4	1.0	-1.2		16.3	-1.2	0.1	79.0	-0.8	0.2
		-9.0	0.6		-7.3	0.6		-1.2	0.0		-13.2	0.6		-33.6	2.0
9NWXA4	20.7	-0.4	0.5	23.3	0.2	3.0	2.0	-0.2		30.3	0.1	0.3	112.0	0.0	0.7
		-5.6	4.0		1.7	4.0		-0.2	0.0		0.8	1.2		-0.6	7.0
CTDWTZ	19.0	-0.5	0.0	18.9	-0.3	0.1	2.4	0.2	0.6	29.1	0.0	0.2	121.0	0.2	0.1
		-7.3	0.2		-2.8	0.2		0.2	0.1		-0.4	0.9		8.4	1.0
Q79WMM	21.0	-0.4	0.3	19.4	-0.2	1.0	1.9	-0.2	0.8	23.2	-0.6	0.8	121.4	0.2	1.7
		-5.3	2.6		-2.3	1.4		-0.3	0.2		-6.3	3.3		8.8	17.8
8BQPU8	39.5	0.9	0.3	42.6	2.2	0.9	4.1	1.9	0.7	36.8	0.7	0.4	117.7	0.1	0.3
		13.2	2.7		20.9	1.2		1.9	0.1		7.3	1.7		5.1	3.2
ALN6UV	21.7	-0.3	0.0	14.7	-0.7	0.2	1.6	-0.5	0.1	24.9	-0.4	0.2	106.3	-0.1	0.2
		-4.6	0.4		-7.0	0.2		-0.6	0.0		-4.6	0.6		-6.3	2.5
JR33FL	21.3	-0.3	0.1	24.5	0.3	0.7	2.8	0.6	0.9	28.6	-0.1	0.2	79.8	-0.8	0.2
		-5.0	0.9		2.8	0.9		0.6	0.2		-0.9	0.6		-32.8	2.4
ZK39D6	20.7	-0.4	0.2	20.7	-0.1	0.8	2.2	0.0	1.6	23.1	-0.6	0.4	97.5	-0.3	0.6
		-5.6	2.0		-0.9	1.0		0.0	0.3		-6.4	1.6		-15.1	6.2
BAQLTV	17.0	-0.6		18.0	-0.4		2.4	0.2		16.4	-1.2		53.3	-1.4	
		-9.3	0.0		-3.7	0.0		0.2	0.0		-13.1	0.0		-59.3	0.0
BKK2HW	28.7	0.2	1.1	22.7	0.1	1.1	1.7	-0.4	0.6	23.3	-0.6	0.7	106.0	-0.2	0.7
		2.4	9.1		1.0	1.5		-0.5	0.1		-6.2	2.9		-6.6	6.9
F74V9R	27.5	0.1	0.1	23.8	0.2	1.9	2.9	0.7	0.1	38.0	0.8	0.2	157.8	1.0	0.7
		1.2	1.1		2.1	2.5		0.7	0.0		8.5	0.9		45.2	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		
49EGE6	23.3	-0.2	0.1	19.7	-0.2	0.9	1.3	-0.9	0.7	25.3	-0.4	0.2	108.1	-0.1	0.6
		-3.0	1.0		-2.0	1.2		-0.9	0.1		-4.2	0.9		-4.5	6.2
JYG73E	26.9	0.0	0.2	22.3	0.1	0.8	2.5	0.3	3.1	30.3	0.1	0.5	111.3	0.0	1.5
		0.6	1.6		0.6	1.0		0.3	0.6		0.8	1.9		-1.3	15.9
Y82F73	28.3	0.1	0.3	24.8	0.3	0.3	2.3	0.1	1.1	30.8	0.1	0.4	59.3	-1.2	0.2
		2.0	3.0		3.1	0.3		0.1	0.2		1.3	1.6		-53.3	2.3
MZ2YRE	17.5	-0.6	0.0	20.6	-0.1	0.3	2.3	0.1	0.3	27.1	-0.2	0.1	95.6	-0.4	0.0
		-8.8	0.4		-1.1	0.5		0.1	0.0		-2.4	0.3		-17.0	0.4
ADR88T	40.3	1.0	0.0	44.1	2.3	0.9	3.1	0.9	0.2	37.8	0.8	0.1	187.6	1.7	0.2
		14.0	0.4		22.4	1.1		0.9	0.0		8.3	0.2		75.0	1.7
PECGCD	20.0	-0.4	0.2	20.7	-0.1	1.3	2.2	0.0	0.7	26.2	-0.3	0.6	77.6	-0.8	1.4
		-6.3	1.6		-1.0	1.7		0.0	0.1		-3.3	2.4		-35.0	14.1
NDHCHE	22.0	-0.3	0.7	21.7	0.0	1.1	1.9	-0.3	1.5	23.3	-0.6	1.5	76.7	-0.8	0.1
		-4.3	6.1		0.0	1.5		-0.3	0.3		-6.2	6.0		-35.9	1.5
PQMPE7	16.3	-0.7	0.1	20.0	-0.2	0.7	3.0	0.8		27.0	-0.2		141.7	0.7	0.2
		-10.0	0.6		-1.7	1.0		0.8	0.0		-2.5	0.0		29.1	2.5
WWRYLZ	30.2	0.3	0.0	44.0	2.3	0.2	1.5	-0.7	0.3	35.7	0.6	0.2	153.9	0.9	1.0
		3.9	0.1		22.3	0.3		-0.7	0.0		6.2	0.6		41.3	10.5
DLVLGJ	26.3	0.0		20.1	-0.2					29.5	0.0		128.0	0.4	
		0.0	0.0		-1.6	0.0					0.0	0.0		15.4	0.0
DRWZ3L	88.9	4.3	5.5	39.8	1.9	1.3	2.1	-0.1	0.6	61.5	3.0	1.4	112.6	0.0	0.0
		62.6	47.2		18.2	1.8		-0.1	0.1		32.0	5.7		0.0	0.3
HBX9B8	16.0	-0.7	0.1	25.0	0.3		2.0	-0.2		21.0	-0.8		108.0	-0.1	0.3
		-10.3	1.0		3.3	0.0		-0.2	0.0		-8.5	0.0		-4.6	3.0
FFW7K9	51.4	1.7		47.3	2.6		3.4	1.2		49.9	1.9		203.4	2.1	
		25.1	0.0		25.6	0.0		1.2	0.0		20.4	0.0		90.8	0.0
JQ9CA8	35.7	0.7	1.2	21.1	-0.1	1.9				32.3	0.3	0.5	163.3	1.2	2.3
		9.4	10.2		-0.6	2.5					2.8	2.0		50.7	24.0
FZ2NVA	34.7	0.6	0.2	32.3	1.1	0.2	3.0	0.7	2.7	38.6	0.8	0.2	181.0	1.6	0.1
		8.4	1.7		10.7	0.3		0.8	0.5		9.1	0.9		68.4	1.0
Grand Median		26.3			21.7			2.20			29.5			112.6	
Median Abs Dev		6.3			2.8			0.56			6.2			28.5	
Avg Within Lab SD		8.6			1.3			0.18			3.9			10.4	
Labs Included		35			35			33			35			35	
Labs Reporting		35			35			33			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		

Cu - DTPA (SubTestCode 172)															
in the Micronutrients Property Groups															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD
6LYFJD	2.39	-0.16	0.02	0.99	-0.55	0.40	1.60	-1.46	1.19	1.03	0.46	1.19	0.68	-0.68	0.30
		-0.13	0.00		-0.23	0.04		-0.51	0.12		0.09	0.08		-0.17	0.03
P4A2NU	2.24	-0.35	0.06	1.13	-0.22	0.15	2.08	-0.07	0.15	0.73	-1.05	0.08	0.53	-1.23	0.06
		-0.28	0.01		-0.09	0.02		-0.02	0.02		-0.21	0.01		-0.32	0.01
M9QMKW	1.99	-0.66	1.80	1.01	-0.50	1.05	2.16	0.16	2.27	0.96	0.14	0.82	0.93	0.32	0.90
		-0.53	0.28		-0.21	0.11		0.06	0.23		0.03	0.06		0.08	0.09
NLDBVL	3.39	1.09	0.73	1.53	0.72	1.03	2.23	0.36	1.49	1.15	1.07	1.73	1.00	0.57	0.80
		0.87	0.11		0.30	0.10		0.12	0.15		0.21	0.12		0.15	0.08
CHC7CY	3.15	0.80	0.23	1.97	1.77	0.09	1.84	-0.76	0.03	1.04	0.52	0.37	0.91	0.23	0.11
		0.63	0.04		0.75	0.01		-0.27	0.00		0.10	0.03		0.06	0.01
QRTWTH	3.85	1.67	0.44	1.49	0.63	1.50	2.13	0.07	1.39	0.99	0.26	0.48	0.98	0.49	0.91
		1.33	0.07		0.27	0.15		0.02	0.14		0.05	0.03		0.13	0.09
7ZD6W6	3.23	0.89	1.95	1.27	0.10	2.04	2.23	0.37	0.58	1.00	0.33		0.90	0.19	0.00
		0.71	0.31		0.04	0.21		0.13	0.06		0.07	0.00		0.05	0.00
49HZ39	2.44	-0.10	0.45	1.33	0.24	0.30	2.20	0.26	1.30	1.05	0.58	1.75	0.78	-0.26	0.85
		-0.08	0.07		0.10	0.03		0.09	0.13		0.12	0.12		-0.07	0.09
TJAAWJ	3.20	0.85	0.32	2.01	1.86	0.43	2.32	0.62	0.36	1.16	1.13	0.00	0.87	0.07	0.10
		0.68	0.05		0.79	0.04		0.21	0.04		0.23	0.00		0.02	0.01
HBXDMV	2.13	-0.48	0.37	0.87	-0.85	0.57	1.47	-1.84	0.58	0.60	-1.68	0.00	0.70	-0.59	0.00
		-0.39	0.06		-0.36	0.06		-0.64	0.06		-0.34	0.00		-0.15	0.00
9NWXA4	3.59	1.34	1.62	1.35	0.29	1.96	2.05	-0.16	1.39	0.96	0.11	1.56	0.96	0.40	0.42
		1.07	0.25		0.12	0.20		-0.06	0.14		0.02	0.11		0.10	0.04
CTDWTZ	2.23	-0.36	0.37	1.03	-0.45	0.57	2.07	-0.11	0.58	0.97	0.16	0.83	0.91	0.24	0.22
		-0.29	0.06		-0.19	0.06		-0.04	0.06		0.03	0.06		0.06	0.02
Q79WMM	2.75	0.29	2.41	1.10	-0.30	0.78	2.26	0.43	0.31	0.99	0.28	0.51	0.89	0.14	0.68
		0.23	0.38		-0.13	0.08		0.15	0.03		0.06	0.04		0.04	0.07
8BQPU8	3.69	1.47	0.45	1.86	1.50	0.71	2.17	0.17	0.35	0.94	0.01	0.30	0.64	-0.82	0.10
		1.17	0.07		0.64	0.07		0.06	0.04		0.00	0.02		-0.21	0.01
ALN6UV	2.04	-0.60	0.23	0.82	-0.96	0.10	1.90	-0.59	0.10	0.74	-0.98	0.14	0.71	-0.56	0.20
		-0.48	0.04		-0.41	0.01		-0.21	0.01		-0.20	0.01		-0.15	0.02
JR33FL	2.50	-0.03		1.17	-0.14	0.57	2.40	0.85	0.00	0.93	-0.01	0.83	0.60	-0.98	0.00
		-0.02	0.00		-0.06	0.06		0.29	0.00		0.00	0.06		-0.25	0.00
ZK39D6	2.04	-0.60	0.56	0.78	-1.05	0.45	1.69	-1.19	0.85	0.38	-2.79	0.63	0.27	-2.26	0.39
		-0.48	0.09		-0.45	0.05		-0.41	0.09		-0.56	0.04		-0.58	0.04
BAQLTV	2.30	-0.28		1.40	0.41		1.10	-2.90		0.70	-1.18		0.50	-1.36	
		-0.22	0.00		0.18	0.00		-1.01	0.00		-0.24	0.00		-0.35	0.00
BKK2HW	2.43	-0.11	0.74	1.20	-0.06	0.98	1.77	-0.98	1.53	0.81	-0.65	1.08	0.87	0.08	0.63
		-0.09	0.12		-0.03	0.10		-0.34	0.15		-0.13	0.08		0.02	0.06
F74V9R	2.18	-0.43	0.29	1.07	-0.38	0.69	2.14	0.08	0.54	0.93	-0.03	0.18	0.75	-0.39	0.14
		-0.34	0.05		-0.16	0.07		0.03	0.05		-0.01	0.01		-0.10	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		
49EGE6	2.61	0.11	1.04	1.28	0.13	3.53	1.97	-0.40	0.20	0.76	-0.86	2.87	0.45	-1.55	0.20
		0.09	0.16		0.06	0.36		-0.14	0.02		-0.17	0.20		-0.40	0.02
JYG73E	2.15	-0.46	2.67	1.36	0.33	0.70	2.39	0.83	2.16	1.13	0.96	2.19	1.27	1.62	5.10
		-0.37	0.42		0.14	0.07		0.29	0.22		0.19	0.15		0.42	0.52
Y82F73	2.93	0.52	0.69	1.25	0.06	0.44	2.17	0.18	1.18	0.88	-0.26	0.66	0.35	-1.93	0.27
		0.41	0.11		0.03	0.05		0.06	0.12		-0.05	0.05		-0.50	0.03
MZ2YRE	1.95	-0.72	0.24	0.90	-0.78	0.20	1.81	-0.86	0.15	0.79	-0.73	0.14	0.61	-0.94	0.17
		-0.57	0.04		-0.33	0.02		-0.30	0.02		-0.15	0.01		-0.24	0.02
ADR88T	3.53	1.27	0.29	1.82	1.41	0.26	2.15	0.13	0.17	0.92	-0.09	0.08	0.89	0.16	0.11
		1.01	0.05		0.60	0.03		0.04	0.02		-0.02	0.01		0.04	0.01
PECGCD	2.55	0.04	1.53	1.13	-0.22	0.54	2.22	0.34	0.52	0.95	0.09	0.97	0.63	-0.86	0.39
		0.03	0.24		-0.09	0.06		0.12	0.05		0.02	0.07		-0.22	0.04
NDHCHE	2.20	-0.40	1.11	1.17	-0.14	1.13	1.87	-0.69	1.53	0.72	-1.06	1.59	0.63	-0.87	0.24
		-0.32	0.17		-0.06	0.12		-0.24	0.15		-0.21	0.11		-0.23	0.03
PQMPE7	2.30	-0.28	0.00	1.10	-0.30	0.00	2.40	0.85	0.00	1.00	0.33		1.10	0.96	0.97
		-0.22	0.00		-0.13	0.00		0.29	0.00		0.07	0.00		0.25	0.10
WWRYLZ	4.08	1.95	0.35	2.54	3.12	0.06	2.95	2.42	0.15	1.38	2.25	0.36	1.15	1.17	0.12
		1.56	0.05		1.32	0.01		0.84	0.01		0.45	0.03		0.30	0.01
DLVLGJ	2.54	0.03		1.18	-0.11		1.99	-0.34		0.93	-0.03		0.88	0.11	
		0.02	0.00		-0.05	0.00		-0.12	0.00		-0.01	0.00		0.03	0.00
DRWZ3L	3.83	1.65	0.37	2.10	2.07	0.98	1.93	-0.50	0.58	0.83	-0.51	0.83	0.83	-0.07	0.56
		1.31	0.06		0.88	0.10		-0.17	0.06		-0.10	0.06		-0.02	0.06
HBX9B8	1.93	-0.74	0.37	1.10	-0.30	0.00	1.80	-0.88	1.00	0.60	-1.68	0.00	0.80	-0.20	0.00
		-0.59	0.06		-0.13	0.00		-0.31	0.10		-0.34	0.00		-0.05	0.00
FFW7K9	7.87	6.71		5.74	10.69		5.79	10.61		3.11	10.93		3.04	8.48	
		5.35	0.00		4.52	0.00		3.68	0.00		2.18	0.00		2.19	0.00
JQ9CA8	3.21	0.87	1.76	1.31	0.19	1.28	2.00	-0.30	2.01	0.89	-0.21	1.36	0.96	0.42	1.37
		0.69	0.28		0.08	0.13		-0.10	0.20		-0.04	0.09		0.11	0.14
FZ2NVA	3.60	1.35	0.10	1.56	0.79	0.00	2.38	0.80	0.84	1.03	0.46	0.30	0.90	0.20	0.06
		1.08	0.02		0.34	0.00		0.28	0.08		0.09	0.02		0.05	0.01
Grand Median		2.52			1.23			2.11			0.94			0.85	
Median Abs Dev		0.45			0.17			0.16			0.10			0.14	
Avg Within Lab SD		0.16			0.10			0.10			0.07			0.10	
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		

Zn - HCl (SubTestCode 173)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
BAQLTV	2.21	0.00	0.21	0.00	0.13	0.00	31.00	0.00	3.26	0.00	
		1.41		1.41		0.09		0.23		0.11	
ADR88T	32.66	54.86	0.97	0.01	1.57	0.03	18.28	0.17	2.16	0.02	
		0.01		0.00		1.41		1.40		1.41	
YJCQYX	1.57	0.23	1.40	0.00	2.23	0.42	24.97	1.00	2.43	0.25	
Grand Median	2.21		0.97		1.57		25.0		2.43		
Median Abs Dev											
Avg Within Lab SD	38.79		0.01		0.29		0.7		0.18		
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
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510		
YJCQYX	3.00		1.33	1.00	2.67	1.00	12.67	1.00	22.67	1.00	
		0.00		0.58		0.58		0.58		0.58	2.08
Grand Median		3.00		1.33		2.67		12.7		22.7	
Median Abs Dev											
Avg Within Lab SD		0.00		0.58		0.58		0.6		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		

Cl - Ca(NO3)2 Extr. (SubTestCode 175)															
in the Micronutrients Property Groups															
Data units: mg/kg															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
NLDBVL	8.57	0.44	0.46	6.54	0.53	0.51	291.00	0.89	0.26	6.59	0.26	0.19	10.47	0.41	0.45
		2.10	0.39		0.87	0.35		47.40	2.29		1.29	0.35		1.57	0.55
CHC7CY	6.24	-0.05	0.67	4.32	-0.81	0.69	252.71	0.17	0.35	11.29	1.23	0.45	7.63	-0.33	0.06
		-0.23	0.56		-1.34	0.47		9.11	3.18		5.99	0.86		-1.27	0.08
7ZD6W6	10.30	0.81	1.20	6.64	0.59	0.72	245.73	0.04	2.48	5.25	-0.01	0.11	11.20	0.61	0.34
		3.83	1.01		0.97	0.49		2.13	22.27		-0.05	0.20		2.30	0.41
CTDWTZ	5.33	-0.24	0.34	2.83	-1.71	0.42	211.67	-0.60	0.85	3.67	-0.33	0.30	8.33	-0.15	0.47
		-1.13	0.29		-2.83	0.29		-31.93	7.64		-1.63	0.58		-0.57	0.58
JR33FL	5.97	-0.11	0.28	5.67	0.00	0.08	243.60	0.00	0.24	5.30	0.00	0.05	8.90	0.00	0.08
		-0.50	0.23		0.00	0.06		0.00	2.12		0.00	0.10		0.00	0.10
NMAR8J	6.47	0.00	0.25	5.17	-0.30	1.69	131.67	-2.11	0.45	4.83	-0.10	0.50	5.33	-0.94	0.61
		0.00	0.21		-0.50	1.15		-111.93	4.04		-0.47	0.95		-3.57	0.75
NDHCHE	18.33	2.50	2.48	7.00	0.80	1.92	193.33	-0.95	1.29	16.33	2.26	1.09	18.67	2.58	1.25
		11.87	2.08		1.33	1.31		-50.27	11.55		11.03	2.08		9.77	1.53
DLVLGJ	6.40	-0.01		4.90	-0.46		195.00	-0.92		4.40	-0.18		7.50	-0.37	
		-0.07	0.00		-0.77	0.00		-48.60	0.00		-0.90	0.00		-1.40	0.00
DRWZ3L	15.53	1.91	0.70	7.10	0.87	1.02	264.07	0.39	0.15	13.57	1.69	2.68	11.43	0.67	2.55
		9.07	0.59		1.43	0.69		20.47	1.35		8.27	5.11		2.53	3.12
Grand Median		6.47			5.67		243.6			5.30			8.90		
Median Abs Dev		1.13			0.97		31.9			1.29			1.57		
Avg Within Lab SD		0.84			0.68		9.0			1.90			1.22		
Labs Included		9			9		9			9			9		
Labs Reporting		9			9		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	Sample Mean	Z Score	k Score	Sample Mean	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															
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			Data units: mg/kg
NLDBVL	0.32	0.48	0.37	1.79	0.25	1.05	3.85	1.44	1.24	0.87	0.88	0.53	0.27	0.11	0.44	
CHC7CY	0.48	0.06	0.05	2.88	0.19	0.16	3.39	0.96	0.17	0.97	0.15	0.03	0.49	0.01	0.01	
QRTWTH	0.36	1.75	0.09	1.92	1.64	0.22	2.81	0.76	0.16	0.71	1.43	0.77	0.21	3.10	0.61	
TJAAWJ	0.20	0.22	0.01	1.30	1.28	0.03	2.72	0.51	0.02	0.70	0.24	0.05	0.20	0.22	0.02	
KXG7ZU	0.26	0.78	1.54	2.10	0.41	0.94	3.33	-0.11	1.52	0.86	-0.13	1.19	0.27	-0.82	0.65	
B6T2QW	0.20	0.10	0.19	0.72	0.32	0.14	1.50	-0.07	0.21	0.52	-0.02	0.07	0.27	-0.06	0.02	
BKK2HW	0.20	-0.48	0.00	1.60	-0.38	0.07	2.70	-0.24	0.41	0.65	-0.17	0.00	0.25	-0.97	0.15	
C7JPMX	0.26	-0.06	0.00	1.59	-0.30	0.01	3.34	-0.16	0.06	0.85	-0.03	0.00	0.32	-0.07	0.00	
F74V9R	0.17	0.01	0.07	2.02	0.64	0.86	2.81	0.66	1.21	0.73	0.79	0.49	0.22	0.04	0.20	
Y82F73	0.57	0.00	0.01	2.02	0.50	0.13	2.41	0.44	0.17	0.72	0.13	0.03	0.32	0.00	0.01	
JFLDGG	0.20	-0.48	0.11	2.02	-1.12	0.43	2.81	-2.06	0.82	0.73	-1.24	1.67	0.21	0.02	0.54	
XKPZB6	0.24	-0.06	0.01	2.03	-0.88	0.06	3.20	-1.38	0.12	0.76	-0.21	0.11	0.26	0.00	0.02	
ADR88T	0.39	-0.50	0.26	2.79	0.00	0.00	3.14	-0.27	1.42	0.93	-0.45	1.03	0.34	-0.23	0.67	
PQMPE7	0.47	-0.06	0.03	1.60	0.00	0.00	3.08	-0.18	0.20	1.10	-0.07	0.07	0.30	-0.02	0.02	
394EVR	0.15	0.00	0.21	1.33	-0.02	0.30	2.50	0.68	0.74	0.58	0.76	1.37	0.20	0.70	0.84	
U2QVVZ	0.23	0.00	0.03	1.51	-0.01	0.05	3.08	0.46	0.10	0.71	0.13	0.09	0.25	0.05	0.03	
486TGQ	0.19	-0.72	0.10	1.17	-0.62	0.17	2.44	-0.04	0.33	0.70	0.00	0.70	0.20	-0.64	0.81	
DLVLGJ	0.37	-0.09	0.01	2.37	-0.48	0.03	3.91	-0.03	0.05	1.09	0.00	0.04	0.36	-0.05	0.02	
97UHQN	0.32	2.46	4.22	2.86	-1.16	2.61	3.65	-0.71	1.08	0.85	-0.02	1.78	0.31	0.74	2.89	
ATNL8M	0.23	0.31	0.52	2.47	-0.90	0.39	2.91	-0.48	0.15	0.75	0.00	0.11	0.23	0.05	0.09	
		-0.44	0.02	2.02	0.53	0.49	2.81	-0.10	1.29	0.73	0.00	0.70	0.21	-0.75	0.29	
		-0.06	0.00	2.02	0.42	0.07	2.81	-0.07	0.18	0.73	0.00	0.04	0.21	-0.05	0.01	
		-0.16	0.00	2.03	0.55	2.32	3.20	0.47	1.42	0.76	0.22	0.38	0.26	-0.13	0.46	
		1.00	0.05	2.79	1.53	0.71	3.14	0.32	0.20	0.93	0.04	0.02	0.34	-0.01	0.01	
		0.13	0.01	2.79	1.19	0.11	3.14	0.39	0.39	0.93	1.22	0.16	0.34	1.02	0.33	
		1.64	0.46	1.60	0.00	0.67	1.10	0.26	0.06	1.10	2.25	0.00	0.30	0.46	0.00	
		0.21	0.06	1.60	0.00	0.10	1.10			1.10	0.37	0.00	0.30	0.03	0.00	
		-0.87	0.00	1.33	-0.34	0.78	2.50			0.58	-0.88	0.46	0.20	-0.93	0.00	
		-0.11	0.00	1.33	-0.27	0.12	2.50	-0.38	0.20	0.58	-0.14	0.03	0.20	-0.07	0.00	
		-0.25	0.04	1.51	-0.11	0.23	3.08	0.29	0.44	0.71	-0.11	0.79	0.25	-0.25	0.25	
		-0.03	0.01	1.51	-0.09	0.03	3.08	0.19	0.06	0.71	-0.02	0.05	0.25	-0.02	0.01	
		-0.53	0.17	1.17	-0.55	0.80	2.44	-0.66	0.44	0.70	-0.17	0.84	0.20	-0.88	2.18	
		-0.07	0.02	1.17	-0.43	0.12	2.44	-0.44	0.06	0.70	-0.03	0.05	0.20	-0.06	0.07	
		0.87		2.37	0.99		3.91	1.53		1.09	2.19		0.36	1.30		
		0.11	0.00	2.37	0.77	0.00	3.91	1.03	0.00	1.09	0.36	0.00	0.36	0.09	0.00	
		0.48	0.16	2.86	1.61	0.94	3.65	1.14	0.44	0.85	0.76	0.18	0.31	0.56	0.51	
		0.06	0.02	2.86	1.26	0.14	3.65	0.77	0.06	0.85	0.13	0.01	0.31	0.04	0.02	
		-0.21	0.05	2.47	1.11	1.15	2.91	0.04	1.24	0.75	0.11	0.97	0.23	-0.51	0.58	
		-0.03	0.01	2.47	0.87	0.17	2.91	0.03	0.18	0.75	0.02	0.06	0.23	-0.04	0.02	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
YJCQYX	0.27	0.05	0.46	1.13	-0.60	1.03	2.00	-1.32	1.42	0.67	-0.37	2.43	0.27	0.00	1.93
		0.01	0.06		-0.47	0.15		-0.88	0.20		-0.06	0.15		0.00	0.06
Grand Median		0.26			1.60			2.88			0.73			0.27	
Median Abs Dev		0.06			0.43			0.41			0.07			0.05	
Avg Within Lab SD		0.12			0.15			0.14			0.06			0.03	
Labs Included		21			21			20			21			21	
Labs Reporting		21			21			20			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		

B-DTPA/Sorbitol (SubTestCode 177)			in the Micronutrients Property Groups									Data units: mg/kg			
	SRSSRS1506		SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	0.03	-0.73	0.16	1.21	-0.42	0.68	2.51	-0.65	0.57	0.35	0.39	0.69	0.26	0.16	0.82
		-0.04	0.01		-0.10	0.07		-0.29	0.04		0.05	0.03		0.02	0.04
P4A2NU	0.03	-0.80	0.00	1.49	0.76	0.15	3.19	0.87	0.07	0.28	-0.21	0.13	0.02	-1.56	0.13
		-0.05	0.00		0.18	0.02		0.39	0.01		-0.03	0.01		-0.22	0.01
7ZD6W6	0.13	0.90	0.16	1.62	1.31	0.88	3.32	1.14	1.62	0.39	0.67	0.62	0.28	0.27	1.05
		0.05	0.01		0.31	0.09		0.52	0.13		0.09	0.03		0.04	0.05
49HZ39	0.08	-0.03	0.83	1.31	0.00	0.56	3.29	1.08	0.26	0.72	3.23	0.59	0.25	0.05	0.51
		0.00	0.03		0.00	0.06		0.49	0.02		0.41	0.03		0.01	0.02
HBXDMV	0.04	-0.69	0.16	1.08	-1.00	0.15	2.40	-0.88	0.54	0.20	-0.79	0.13	0.12	-0.86	0.22
		-0.04	0.01		-0.24	0.02		-0.40	0.04		-0.10	0.01		-0.12	0.01
9NWXA4	0.05	-0.46	0.41	1.14	-0.72	1.07	2.73	-0.15	1.05	0.30	0.00	0.37	0.23	-0.05	0.39
		-0.03	0.02		-0.17	0.11		-0.07	0.08		0.00	0.02		-0.01	0.02
CTDWTZ	0.15	1.18	0.82	1.07	-1.04	0.56	2.78	-0.04	0.37	0.33	0.23	1.35	0.32	0.56	0.64
		0.07	0.03		-0.25	0.06		-0.02	0.03		0.03	0.06		0.08	0.03
JR33FL	0.13	0.90	1.57	1.50	0.79	0.98	3.40	1.32	0.00	0.43	1.01	1.35	0.33	0.68	1.28
		0.05	0.06		0.19	0.10		0.60	0.00		0.13	0.06		0.09	0.06
ZK39D6				1.31	-0.02	0.38	2.80	0.01	1.62	0.23	-0.57	0.11			
					0.00	0.04		0.00	0.13		-0.07	0.00			
MZ2YRE	1.22	18.87	0.57	1.65	1.41	1.33	2.80	0.00	2.54	0.95	5.08	1.28	0.78	3.92	2.95
		1.14	0.02		0.33	0.14		0.00	0.20		0.65	0.06		0.54	0.13
PECGCD	0.08	0.03	0.53	1.28	-0.14	0.72	3.38	1.29	0.99	0.34	0.30	1.21	0.10	-1.02	0.08
		0.00	0.02		-0.03	0.07		0.58	0.08		0.04	0.05		-0.14	0.00
NDHCHE	0.07	-0.22	0.45	1.47	0.65	1.49	2.73	-0.15	1.49	0.25	-0.42	1.02	0.11	-0.90	1.65
		-0.01	0.02		0.15	0.15		-0.07	0.12		-0.05	0.04		-0.12	0.07
DRWZ3L	0.20	2.00	2.72	1.77	1.92	2.46	3.27	1.03	1.49	0.20	-0.81	2.33	0.20	-0.28	2.22
		0.12	0.10		0.45	0.25		0.47	0.12		-0.10	0.10		-0.04	0.10
HBX9B8	0.09	0.13	0.16	1.31	0.00	0.25	2.73	-0.16	0.64	0.29	-0.14	0.27	0.48	1.71	0.26
		0.01	0.01		0.00	0.03		-0.07	0.05		-0.02	0.01		0.24	0.01
Grand Median		0.079			1.31			2.80			0.30			0.24	
Median Abs Dev		0.043			0.17			0.29			0.05			0.09	
Avg Within Lab SD		0.037			0.10			0.08			0.04			0.05	
Labs Included		12			13			13			13			12	
Labs Reporting		12			13			13			13			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		

Soil Kjeldahl N (SubTestCode 178)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
QRTWTH	0.10	-3.05	0.44	0.29	-1.71	1.05	0.03	-1.83	0.98	0.08	-2.24	1.23	0.05	-1.82	0.46	
		-0.06	0.01		-0.08	0.03		-0.03	0.01		-0.05	0.01		-0.04	0.00	
B98YWY	0.14	-1.11	0.52	0.37	-0.16	0.13	0.05	-0.81	0.68	0.11	-0.73	1.52	0.09	-0.47	1.59	
		-0.02	0.01		-0.01	0.00		-0.02	0.01		-0.02	0.01		-0.01	0.01	
7ZD6W6	0.14	-1.48	0.21	0.35	-0.46	0.38	0.04	-0.98	0.25	0.11	-0.80	0.16	0.08	-0.64	0.37	
		-0.03	0.00		-0.02	0.01		-0.02	0.00		-0.02	0.00		-0.02	0.00	
49HZ39	0.17	0.24	0.20	0.40	0.58	0.18	0.06	-0.06	0.23	0.13	0.09	0.15	0.10	0.04	0.09	
		0.00	0.00		0.03	0.01		0.00	0.00		0.00	0.00		0.00	0.00	
9NWXA4	0.16	0.00	0.23	0.39	0.31	0.33	0.06	0.07	0.29	0.15	0.74	0.65	0.13	1.46	1.69	
		0.00	0.00		0.02	0.01		0.00	0.00		0.02	0.01		0.04	0.01	
8BQPU8	0.15	-0.74	2.57	0.37	-0.12	1.22	0.10	2.11	3.18	0.16	1.39	2.74	0.14	1.63	1.77	
		-0.01	0.03		-0.01	0.04		0.04	0.03		0.03	0.03		0.04	0.02	
NMAR8J	0.17	0.10	0.48	0.38	0.00	0.16	0.07	0.16	0.58	0.13	0.12	0.49	0.10	0.00	0.29	
		0.00	0.01		0.00	0.00		0.00	0.01		0.00	0.00		0.00	0.00	
C7JPMX	0.17	0.10	0.86	0.39	0.36	0.52	0.06	0.00	0.57	0.13	-0.06	0.60	0.10	0.24	0.67	
		0.00	0.01		0.02	0.02		0.00	0.01		0.00	0.01		0.01	0.01	
FKAQUE	0.16	-0.15	0.30	0.40	0.42	0.21	0.06	-0.35	0.06	0.13	0.00	0.37	0.10	-0.03	0.20	
		0.00	0.00		0.02	0.01		-0.01	0.00		0.00	0.00		0.00	0.00	
DLVLGJ	0.17	0.02		0.33	-0.93		0.06	-0.23		0.12	-0.35		0.09	-0.19		
		0.00	0.00		-0.05	0.00		0.00	0.00		-0.01	0.00		0.00	0.00	
YJCQYX	0.16	-0.42	2.16	0.31	-1.37	3.11	0.08	0.65	0.73	0.15	0.87	0.41	0.12	0.81	1.87	
		-0.01	0.03		-0.07	0.09		0.01	0.01		0.02	0.00		0.02	0.02	
7RJXFK	0.18	0.92	0.17	0.40	0.50	0.24	0.08	0.87	0.19	0.10	-1.12	0.40	0.07	-1.16	0.23	
		0.02	0.00		0.02	0.01		0.02	0.00		-0.03	0.00		-0.03	0.00	
FZ2NVA	0.17	0.45	0.15	0.47	1.84	0.14	0.08	0.65	0.15	0.13	0.28	0.32	0.10	0.28	0.07	
		0.01	0.00		0.09	0.00		0.01	0.00		0.01	0.00		0.01	0.00	
Grand Median		0.16		0.38			0.063			0.13			0.10			
Median Abs Dev		0.01		0.02			0.012			0.02			0.01			
Avg Within Lab SD		0.01		0.03			0.010			0.01			0.01			
Labs Included		13		13			13			13			13			
Labs Reporting		13		13			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	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	0.17	-0.45	0.53	0.39	-0.83	0.51	0.07	0.00	0.00	0.13	-0.35	0.94	0.10	-0.19	0.00	
		-0.01	0.01		-0.03	0.01		0.00	0.00		-0.01	0.01		0.00	0.00	
P4A2NU	0.17	0.09	0.19	0.41	0.00	0.05	0.06	-0.20	0.07	0.14	0.27	0.25	0.10	-0.07	0.18	
		0.00	0.00		0.00	0.00		-0.01	0.00		0.00	0.00		0.00	0.00	
NLDBVL	0.17	-0.45	0.17	0.42	0.41	0.20	0.06	-0.19	0.02	0.13	-0.28	0.24	0.10	-0.45	0.02	
		-0.01	0.00		0.01	0.00		-0.01	0.00		0.00	0.00		-0.01	0.00	
49HZ39	0.18	0.45	0.00	0.40	-0.29	0.51	0.07	0.09	0.10	0.13	-0.15	0.00	0.10	0.00	0.81	
		0.01	0.00		-0.01	0.01		0.00	0.01		0.00	0.00		0.00	0.01	
9NWXA4	0.18	0.63	1.07	0.44	1.02	1.33	0.09	0.43	0.07	0.17	2.24	0.34	0.14	2.06	0.63	
		0.01	0.01		0.03	0.01		0.02	0.00		0.04	0.00		0.04	0.00	
JR33FL	0.19	0.85	0.24	0.43	0.52	0.58	0.10	0.67	0.05	0.15	0.93	0.09	0.14	1.84	0.37	
		0.01	0.00		0.02	0.01		0.03	0.00		0.02	0.00		0.03	0.00	
NMAR8J	0.17	-0.27	0.54	0.40	-0.30	0.32	0.06	-0.25	0.05	0.13	-0.14	0.50	0.10	-0.25	0.70	
		0.00	0.01		-0.01	0.00		-0.01	0.00		0.00	0.00		0.00	0.01	
C7JPMX	0.19	1.35	1.41	0.43	0.68	1.36	0.07	-0.09	0.10	0.14	0.62	0.94	0.12	0.78	1.61	
		0.02	0.02		0.02	0.02		0.00	0.01		0.01	0.01		0.01	0.01	
RFEWXA	0.17	0.00	0.53	0.41	0.03	1.36	0.07	0.00	0.00	0.16	1.39	0.94	0.11	0.39	1.40	
		0.00	0.01		0.00	0.02		0.00	0.00		0.02	0.01		0.01	0.01	
ADR88T	0.18	0.45	0.00	0.46	1.44	0.51	0.08	0.26	0.00	0.13	0.00	0.50	0.11	0.39	0.00	
		0.01	0.00		0.04	0.01		0.01	0.00		0.00	0.00		0.01	0.00	
FKAQUE	0.16	-0.57	0.09	0.38	-1.01	0.79				0.13	-0.38	0.41	0.10	-0.48	0.53	
		-0.01	0.00		-0.03	0.01					-0.01	0.00		-0.01	0.00	
DLVLGJ	0.17	-0.02		0.41	-0.08		0.07	0.08		0.14	0.14		0.11	0.56		
		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.01	0.00	
FFW7K9	0.15	-1.84		0.33	-2.64		0.07	-0.08		0.12	-0.73		0.09	-0.72		
		-0.03	0.00		-0.08	0.00		0.00	0.00		-0.01	0.00		-0.01	0.00	
729JLJ	0.17	-0.45	1.41	0.41	-0.18	2.05	0.06	-0.26	0.00	0.12	-0.73	0.00	0.10	-0.19	0.00	
		-0.01	0.02		-0.01	0.02		-0.01	0.00		-0.01	0.00		0.00	0.00	
JQ9CA8	0.21	2.25	2.98	0.43	0.68	1.85	0.33	6.85	3.74	0.16	1.77	3.38	0.13	1.75	2.91	
		0.03	0.03		0.02	0.02		0.26	0.23		0.03	0.02		0.03	0.02	
Grand Median		0.17		0.41			0.070			0.13			0.10			
Median Abs Dev		0.01		0.02			0.008			0.01			0.01			
Avg Within Lab SD		0.01		0.01			0.060			0.01			0.01			
Labs Included		15		15			14			15			15			
Labs Reporting		15		15			14			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						
Soil TOC (Combustion) (SubTestCode 180)																			
SRSSRS1506				SRSSRS1507				SRSSRS1508				SRSSRS1509				SRSSRS1510			
in the Soil Organic Matter Property Groups																			
Data units: Percent																			
6LYFJD	1.97	0.56	0.49	5.84	0.42	0.23	0.74	0.14	0.66	1.37	-0.02	0.76	1.10	-0.48	0.90				
		0.05	0.03		0.27	0.03		0.02	0.02		0.00	0.04		-0.04	0.02				
P4A2NU	1.99	0.81	0.29	5.57	0.00	0.20	0.83	0.70	0.19	1.48	1.13	0.20	1.22	0.87	0.24				
		0.07	0.02		0.00	0.03		0.11	0.01		0.11	0.01		0.07	0.01				
NLDBVL	1.94	0.24	0.13	5.05	-0.81	0.48	0.55	-1.02	0.73	1.35	-0.24	0.54	1.14	-0.08	0.40				
		0.02	0.01		-0.52	0.06		-0.17	0.02		-0.02	0.03		-0.01	0.01				
8BQPU8	1.87	-0.62	0.95	4.27	-2.03	0.46	0.27	-2.78	2.17	1.23	-1.52	1.18	1.10	-0.53	0.00				
		-0.05	0.06		-1.31	0.06		-0.45	0.06		-0.14	0.06		-0.04	0.00				
C7JPMX	2.12	2.29	0.10	5.97	0.62	0.32	0.76	0.25	1.21	1.49	1.27	0.66	1.24	1.19	2.41				
		0.20	0.01		0.40	0.04		0.04	0.03		0.12	0.03		0.10	0.06				
XKPZB6	1.94	0.24	2.70	4.70	-1.35	1.75	0.52	-1.23	1.64	1.38	0.05	2.78	1.15	0.08	1.64				
		0.02	0.16		-0.87	0.22		-0.20	0.04		0.00	0.14		0.01	0.04				
RFEWXA	1.83	-1.01	0.48	5.65	0.12	0.00	0.72	0.00	0.78	1.46	0.91	1.08	1.32	2.11	0.82				
		-0.09	0.03		0.08	0.00		0.00	0.02		0.09	0.05		0.18	0.02				
ADR88T	1.95	0.39	0.38	6.26	1.08	0.24	0.81	0.56	0.22	1.34	-0.34	0.24	1.15	0.11	0.47				
		0.03	0.02		0.69	0.03		0.09	0.01		-0.03	0.01		0.01	0.01				
FKAQUE	1.90	-0.24	1.03	5.57	0.00	0.48	0.72	0.00	0.17	1.38	0.02	0.55	1.19	0.51	0.94				
		-0.02	0.06		0.00	0.06		0.00	0.00		0.00	0.03		0.04	0.02				
DLVLGJ	1.85	-0.81		4.64	-1.45		0.55	-1.03		1.28	-1.02		1.13	-0.17					
		-0.07	0.00		-0.93	0.00		-0.17	0.00		-0.09	0.00		-0.01	0.00				
FFW7K9	1.88	-0.47		5.50	-0.11		0.72	0.00		1.38	0.06		1.04	-1.25					
		-0.04	0.00		-0.07	0.00		0.00	0.00		0.01	0.00		-0.10	0.00				
729JLJ	1.88	-0.43	1.42	5.62	0.08	2.83	0.65	-0.39	1.21	1.23	-1.52	0.12	1.09	-0.69	0.85				
		-0.04	0.09		0.05	0.36		-0.06	0.03		-0.14	0.01		-0.06	0.02				
JQ9CA8	3.24	15.31	0.94	9.40	5.96	0.78	1.22	3.09	1.85	2.32	10.11	1.84	1.95	9.73	3.19				
		1.32	0.06		3.83	0.10		0.50	0.05		0.94	0.09		0.81	0.08				
Grand Median		1.92			5.57			0.72			1.37			1.14					
Median Abs Dev		0.04			0.34			0.08			0.06			0.04					
Avg Within Lab SD		0.06			0.13			0.03			0.05			0.02					
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 - Walkley-Black (SubTestCode 181)			in the Soil Organic Matter Property Groups										Data units: Percent		
	SRSSRS1506		SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
P4A2NU	3.52	0.00	0.35	7.63	-0.06	0.30	1.09	0.06	0.49	2.73	0.52	1.03	2.19	0.10	0.37
		0.00	0.07		-0.11	0.08		0.02	0.04		0.28	0.15		0.03	0.04
QRTWTH	2.88	-0.98	0.29	7.97	0.14	0.95	2.51	4.03	1.87	3.36	1.69	1.72	2.74	1.82	1.47
		-0.63	0.06		0.24	0.24		1.44	0.16		0.92	0.25		0.58	0.14
HBXDMV	3.72	0.32	0.44	8.25	0.29	0.56	1.11	0.11	0.86	2.39	-0.10	0.39	2.10	-0.18	0.00
		0.20	0.09		0.52	0.14		0.04	0.07		-0.06	0.06		-0.06	0.00
9NWXA4	3.57	0.08	0.75	7.73	0.00	1.29	1.07	0.00	1.39	2.77	0.59	1.60	2.07	-0.29	0.60
		0.05	0.15		0.00	0.32		0.00	0.12		0.32	0.23		-0.09	0.06
8BQPU8	3.63	0.18	3.70	4.20	-2.00	0.40	0.90	-0.47	1.21	2.10	-0.64	1.84	2.27	0.33	1.59
		0.12	0.76		-3.53	0.10		-0.17	0.10		-0.35	0.26		0.11	0.15
BAQLTV	0.90	-4.07	0.10	4.45	-1.86	0.11	0.10	-2.72	0.26	1.55	-1.65	1.47	1.60	-1.74	1.47
		-2.62	0.02		-3.28	0.03		-0.97	0.02		-0.90	0.21		-0.56	0.14
NMAR8J	3.23	-0.45	0.03	7.80	0.04	0.11	0.92	-0.42	0.77	2.28	-0.32	0.74	1.99	-0.53	0.00
		-0.29	0.01		0.07	0.03		-0.15	0.06		-0.17	0.11		-0.17	0.00
BKK2HW	3.31	-0.33	0.44	6.34	-0.79	0.62	1.13	0.19	2.44	2.21	-0.44	1.28	2.06	-0.30	0.43
		-0.21	0.09		-1.39	0.15		0.07	0.20		-0.24	0.19		-0.10	0.04
Y82F73	4.29	1.21	0.42	9.52	1.01	1.64	1.32	0.72	1.09	2.99	1.01	0.61	2.67	1.59	0.58
		0.78	0.09		1.78	0.41		0.26	0.09		0.55	0.09		0.51	0.06
UXB468	3.79	0.43	0.88	6.55	-0.67	0.76	1.26	0.55	0.37	2.98	0.99	0.42	2.33	0.53	0.18
		0.28	0.18		-1.18	0.19		0.20	0.03		0.54	0.06		0.17	0.02
ADR88T	3.52	0.01	0.27	6.97	-0.43	0.16	1.06	-0.03	0.30	2.45	0.00	0.84	2.23	0.22	0.31
		0.01	0.06		-0.76	0.04		-0.01	0.03		0.00	0.12		0.07	0.03
FKAQUE	3.47	-0.07	0.20	7.92	0.10	0.69	0.97	-0.26	0.18	2.45	0.00	0.05	2.16	0.00	0.25
		-0.05	0.04		0.18	0.17		-0.09	0.02		0.00	0.01		0.00	0.02
PQMPE7	2.80	-1.11	0.00	6.50	-0.70	2.01	1.17	0.28	0.70	2.30	-0.27	0.69	2.07	-0.29	0.60
		-0.72	0.00		-1.23	0.50		0.10	0.06		-0.15	0.10		-0.09	0.06
DLVLGJ	2.93	-0.91		7.03	-0.40		0.81	-0.72		2.05	-0.73		1.74	-1.30	
		-0.59	0.00		-0.70	0.00		-0.26	0.00		-0.40	0.00		-0.42	0.00
HBX9B8	3.80	0.44	0.98	10.00	1.29	2.23	1.07	0.00	0.70	2.80	0.65	0.69	2.40	0.75	2.75
		0.28	0.20		2.27	0.56		0.00	0.06		0.35	0.10		0.24	0.26
7RJXFK	3.88	0.57	0.09	9.78	1.16	0.32	1.24	0.48	0.25	3.37	1.71	0.32	2.43	0.84	0.16
		0.37	0.02		2.05	0.08		0.17	0.02		0.93	0.05		0.27	0.02
FZ2NVA	3.32	-0.31	0.39	8.65	0.52	0.76	0.91	-0.44	0.24	2.35	-0.18	0.48	1.94	-0.67	1.02
		-0.20	0.08		0.92	0.19		-0.16	0.02		-0.10	0.07		-0.22	0.10
Grand Median		3.52		7.73			1.07			2.45			2.16		
Median Abs Dev		0.28		0.92			0.15			0.32			0.17		
Avg Within Lab SD		0.20		0.25			0.08			0.14			0.10		
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		

	SOM - LOI (% Wt loss) (SubTestCode 182)			in the Soil Organic Matter Property Groups									Data units: Percent		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
M9QMKW	4.14	0.77	1.27	8.36	0.40	0.59	1.76	0.24	0.09	2.67	1.07	0.98	3.40	1.47	0.10
		0.26	0.13		0.36	0.09		0.08	0.01		0.20	0.08		0.34	0.01
JGWHQY	3.43	-1.30	0.56	6.90	-1.20	0.00	1.15	-1.63	0.05	2.03	-2.38	0.33	2.72	-1.46	0.10
		-0.45	0.06		-1.09	0.00		-0.53	0.01		-0.44	0.03		-0.34	0.01
NLDBVL	3.89	0.03	0.34	7.64	-0.39	0.80	1.73	0.15	0.81	2.46	-0.04	0.92	2.68	-1.61	1.38
		0.01	0.04		-0.36	0.12		0.05	0.09		-0.01	0.07		-0.38	0.13
CHC7CY	4.12	0.70	0.31	8.46	0.51	0.52	1.77	0.27	0.43	2.55	0.41	0.40	3.26	0.89	0.47
		0.24	0.03		0.47	0.08		0.09	0.05		0.08	0.03		0.21	0.05
BKNL7Y	4.50	1.81		8.70	0.78	0.00	1.80	0.36	0.00	2.63	0.88	0.75	3.30	1.04	0.00
		0.62	0.00		0.71	0.00		0.12	0.00		0.16	0.06		0.24	0.00
QRTWTH	4.38	1.45	0.28	8.91	1.00	0.21	1.97	0.88	0.30	2.71	1.31	0.15	3.53	2.02	0.53
		0.50	0.03		0.91	0.03		0.29	0.03		0.24	0.01		0.47	0.05
7ZD6W6	3.98	0.30	0.57	8.06	0.07	0.60	1.74	0.17	0.87	2.48	0.03	0.08	3.11	0.20	0.41
		0.10	0.06		0.06	0.09		0.06	0.10		0.01	0.01		0.05	0.04
G79EWV	4.10	0.64	0.98	7.53	-0.51	0.99	1.67	-0.05	0.50	2.67	1.06	1.99	3.23	0.75	0.59
		0.22	0.10		-0.46	0.15		-0.02	0.06		0.20	0.15		0.17	0.06
49HZ39	3.62	-0.76	1.79	7.55	-0.49	0.98	1.75	0.20	0.23	2.49	0.12	3.19	2.88	-0.78	1.30
		-0.26	0.18		-0.44	0.15		0.07	0.03		0.02	0.25		-0.18	0.13
E7WXNW	3.85	-0.10	0.25	7.58	-0.45	0.40	0.87	-2.51	3.40	2.55	0.42	0.98	2.87	-0.80	1.19
		-0.03	0.03		-0.41	0.06		-0.82	0.39		0.08	0.08		-0.19	0.12
TJAAWJ	4.00	0.34	0.41	8.40	0.44	0.43	1.64	-0.14	0.89	2.61	0.73	0.53	3.05	-0.03	0.62
		0.12	0.04		0.40	0.07		-0.05	0.10		0.14	0.04		-0.01	0.06
3MY89	3.74	-0.42	1.78	7.65	-0.37	1.46	1.85	0.51	0.98	2.46	-0.08	0.98	2.93	-0.54	1.74
		-0.14	0.18		-0.34	0.23		0.17	0.11		-0.02	0.08		-0.13	0.17
9NWX4	3.25	-1.83	1.76	6.23	-1.94	3.10	1.54	-0.45	0.25	2.15	-1.74	0.34	3.04	-0.08	0.91
		-0.63	0.18		-1.76	0.48		-0.15	0.03		-0.32	0.03		-0.02	0.09
CTDWTZ	4.17	0.84	0.56	8.57	0.63	0.38	1.73	0.15	0.50	2.43	-0.21	0.75	3.33	1.18	0.59
		0.29	0.06		0.57	0.06		0.05	0.06		-0.04	0.06		0.27	0.06
YZZZJF	3.69	-0.54	0.41	7.21	-0.86	0.88	1.16	-1.62	0.35	2.31	-0.89	0.67	2.91	-0.65	1.23
		-0.19	0.04		-0.79	0.14		-0.53	0.04		-0.17	0.05		-0.15	0.12
Q79WMM	4.07	0.55	1.13	8.47	0.52	0.38	1.70	0.05	0.87	2.40	-0.39	0.00	3.10	0.18	1.02
		0.19	0.12		0.47	0.06		0.02	0.10		-0.07	0.00		0.04	0.10
KXG7ZU	4.28	1.18	0.48	8.63	0.70	1.44	1.97	0.89	0.24	2.50	0.18	0.50	3.02	-0.17	0.86
		0.41	0.05		0.64	0.22		0.29	0.03		0.03	0.04		-0.04	0.08
JR33FL	3.87	-0.03	0.59	7.66	-0.36	0.60	1.38	-0.92	0.48	2.36	-0.62	0.61	3.07	0.03	0.31
		-0.01	0.06		-0.33	0.09		-0.30	0.06		-0.12	0.05		0.01	0.03
W9HRV9	4.08	0.60	1.59	8.42	0.47	1.07	1.89	0.63	1.36	2.60	0.68	0.89	3.23	0.72	1.01
		0.20	0.16		0.43	0.16		0.21	0.16		0.13	0.07		0.17	0.10
NDLV7H	3.77	-0.32	0.10	6.88	-1.22	0.37	1.65	-0.11	0.41	2.35	-0.64	0.27	3.12	0.26	0.27
		-0.11	0.01		-1.11	0.06		-0.04	0.05		-0.12	0.02		0.06	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		
D4AZWT	4.09	0.61	0.30	8.24	0.27	0.69	2.41	2.24	0.88	2.55	0.44	1.37	3.36	1.29	0.94
XFBKG8	4.23	0.21	0.03	8.83	0.25	0.11	1.90	0.73	0.10	2.63	0.08	0.11	3.30	0.30	0.09
B6T2QW	3.44	1.03	0.56	6.84	0.92	0.99	1.61	0.66	0.00	2.22	0.88	0.75	2.93	1.04	1.02
2LUN37	3.86	0.35	0.06	7.95	0.84	0.15	0.85	0.22	0.00	2.38	0.16	0.06	2.98	0.24	0.10
NMAR8J	3.73	-1.27	0.72	7.33	-1.27	1.36	1.50	-0.24	0.68	2.23	-1.36	0.91	2.93	-0.54	0.56
C7JPMX	4.09	-0.44	0.07	8.28	-1.15	0.21	1.76	-0.08	0.08	2.53	-0.25	0.07	3.01	-0.13	0.06
F74V9R	3.87	-0.07	1.18	8.30	-0.05	3.17	1.63	-2.57	3.41	2.47	-0.51	0.59	3.00	-0.34	2.58
4Z6AEV	3.62	-0.02	0.12	7.70	-0.05	0.49	1.92	-0.84	0.39	2.36	-0.10	0.05	2.91	-0.08	0.25
6P2GLV	3.87	-0.43	1.13	8.04	-0.73	0.99	1.54	-0.56	0.87	2.51	-1.29	1.50	3.10	-0.54	2.36
TK6TZ7	4.13	-0.15	0.12	8.57	-0.66	0.15	1.70	-0.18	0.10	2.53	-0.24	0.12	3.27	-0.13	0.23
JYG73E	4.20	0.62	0.15	8.70	0.32	0.13	2.80	0.23	0.05	2.50	0.30	0.54	3.27	-0.21	0.67
Y82F73	4.83	0.21	0.02	10.88	0.29	0.02	3.11	0.07	0.01	3.21	0.06	0.04	6.02	-0.05	0.07
YJVWV3	3.95	-0.04	0.56	7.37	0.34	0.65	1.50	-0.15	1.01	2.20	-0.03	0.75	2.98	-0.25	1.02
4P4LMY	3.78	-0.01	0.06	7.77	0.31	0.10	1.70	-0.05	0.12	2.36	-0.01	0.06	3.07	-0.06	0.10
PECGCD	3.70	-0.76	0.35	8.04	-0.32	0.17	1.92	0.73	0.23	2.51	-0.62	0.72	3.10	-0.64	0.27
Q49NHD	4.09	-0.26	0.04	8.06	-0.29	0.03	1.77	0.24	0.03	2.51	-0.12	0.06	3.18	-0.15	0.03
NDHCHE	4.00	-0.04	0.00	8.10	0.05	0.00	1.70	-0.44	0.00	2.50	0.23	0.00	3.18	0.17	0.00
FKAQUE	4.02	0.74	2.46	8.57	0.63	0.99	1.70	0.05	1.75	2.53	0.04	0.00	3.20	0.04	0.00
KL8QVA	3.43	0.25	0.25	7.37	0.57	0.15	1.50	0.02	0.20	2.20	0.33	1.50	3.00	0.89	1.56
DLVLGJ	3.60	0.94	1.69	7.77	0.78	1.13	1.70	3.43	0.87	2.50	0.15	0.12	3.07	0.21	0.15
97UHQN	3.43	0.32	0.17	8.70	0.71	0.17	1.70	1.12	0.10	2.50	0.03	0.00	3.14	0.21	0.06
YJCQYX	3.50	2.77	1.65	10.88	3.17	0.81	3.11	4.38	2.58	3.21	4.00	1.60	6.02	12.74	1.99
		0.95	0.17		2.89	0.12		1.43	0.30		0.74	0.12		2.96	0.19
		0.22	1.11		-0.69	1.23		-0.56	0.23		-1.49	1.50		-0.33	1.83
		0.07	0.11		-0.63	0.19		-0.18	0.03		-0.28	0.12		-0.08	0.18
		-0.30	1.07		-0.25	0.51		0.06	0.53		-0.62	0.76		0.05	0.62
		-0.10	0.11		-0.22	0.08		0.02	0.06		-0.12	0.06		0.01	0.06
		-0.52	0.00		-0.54	0.65		-0.26	0.00		-0.75	0.75		-0.25	1.02
		-0.18	0.00		-0.49	0.10		-0.08	0.00		-0.14	0.06		-0.06	0.10
		0.61	0.56		0.08	0.10		0.26	0.27		0.19	0.08		0.53	0.60
		0.21	0.06		0.07	0.02		0.08	0.03		0.04	0.01		0.12	0.06
		0.35	0.98		0.12	0.65		-0.05	1.33		0.15			0.61	1.02
		0.12	0.10		0.11	0.10		-0.02	0.15		0.03	0.00		0.14	0.10
		0.42	0.18		0.69	0.05		-0.34	0.08		0.27	0.21		0.34	0.23
		0.14	0.02		0.62	0.01		-0.11	0.01		0.05	0.02		0.08	0.02
		-1.30	1.13		2.65	1.30		-0.56			-0.57	1.50		-1.69	0.59
		-0.45	0.12		2.41	0.20		-0.18	0.00		-0.11	0.12		-0.39	0.06
		-0.82			-1.20			0.36			-0.39			-0.25	
		-0.28	0.00		-1.09	0.00		0.12	0.00		-0.07	0.00		-0.06	0.00
		-1.30	2.18		-1.29	0.27		-1.01	1.47		1.09	1.12		0.95	0.18
		-0.45	0.22		-1.18	0.04		-0.33	0.17		0.20	0.09		0.22	0.02
		-1.11	0.98		-1.31	0.00		-0.77	0.50		-1.83	1.99		-1.54	1.02
		-0.38	0.10		-1.19	0.00		-0.25	0.06		-0.34	0.15		-0.36	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		
DRWZ3L	6.27	6.97	0.56	17.93	10.93	0.38	5.87	12.84	0.50	3.60	6.11	1.30	4.27	5.19	0.59
		2.39	0.06		9.94	0.06		4.18	0.06		1.13	0.10		1.21	0.06
729JLJ	3.77	-0.33	0.56	7.53	-0.51	0.38	1.40	-0.87	0.00	2.30	-0.93	0.00	3.03	-0.11	0.59
		-0.11	0.06		-0.46	0.06		-0.28	0.00		-0.17	0.00		-0.03	0.06
Grand Median		3.88			7.99			1.68			2.47			3.06	
Median Abs Dev		0.21			0.47			0.13			0.11			0.13	
Avg Within Lab SD		0.10			0.15			0.11			0.08			0.10	
Labs Included		42			42			42			42			42	
Labs Reporting		42			42			42			42			42	



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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				
SRSSRS1506		SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510					
P4A2NU			7.32	0.11	0.71	2.03	0.35	0.51								
				0.27	0.06		0.27	0.06								
QRTWTH	0.85	2.05	2.17	7.32	0.11	1.42	2.58	1.07	0.99		0.84	1.87	2.13	0.38	0.61	1.58
		0.67	0.18		0.28	0.12		0.81	0.11			0.36	0.18		0.14	0.08
49HZ39	0.12	-0.18	0.32	1.01	-2.39	0.82	1.03	-0.97	0.50		0.54	0.31	0.12	0.10	-0.61	0.21
		-0.06	0.03		-6.04	0.07		-0.74	0.06			0.06	0.01		-0.14	0.01
CTDWTZ	0.10	-0.25	0.00	5.77	-0.51	0.71	1.77	0.00	0.51		0.33	-0.77	0.68	0.10	-0.61	0.00
		-0.08	0.00		-1.28	0.06		0.00	0.06			-0.15	0.06		-0.14	0.00
XFBKG8	0.18	0.00	0.42	10.70	1.45	1.23	1.47	-0.39	2.21		0.40	-0.42	0.00	0.43	0.86	1.21
		0.00	0.03		3.66	0.10		-0.30	0.25			-0.08	0.00		0.20	0.06
DLVLGJ	0.47	0.89		6.63	-0.16		2.05	0.37			0.48	0.00				
		0.29	0.00		-0.41	0.00		0.28	0.00			0.00	0.00			
7RJXFK				7.04	0.00	1.32	0.58	-1.56	0.63							
					0.00	0.11		-1.19	0.07							
Grand Median		0.18			7.04			1.77				0.48			0.24	
Median Abs Dev		0.08			0.41			0.30				0.08			0.14	
Avg Within Lab SD		0.08			0.08			0.11				0.08			0.05	
Labs Included		5			7			7				5			4	
Labs Reporting		5			7			7				5			4	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
P4A2NU	9.3	0.4	0.6	35.7	0.7	0.3	22.8	0.7	0.3	9.7	0.5	0.1	9.0	0.2	0.4
		0.7	0.1		4.3	0.2		2.2	0.2		0.6	0.1	9.0	0.5	0.1
49HZ39	6.4	-1.2	0.5	22.0	-1.4	0.2	16.2	-1.5	0.3	7.8	-1.0	1.3	6.5	-1.0	0.4
		-2.2	0.1		-9.4	0.2		-4.4	0.2		-1.3	0.5	6.5	-2.1	0.1
9NWXA4	10.5	1.0	0.3	35.3	0.6	1.0	20.6	0.0	1.9	10.5	1.1	0.4	8.5	0.0	0.7
		1.9	0.1		3.9	0.8		0.0	1.3		1.4	0.2	8.5	0.0	0.2
8BQPU8	18.2	5.0	2.5	46.2	2.2	1.0	26.9	2.1	0.2	14.7	4.3	2.4	19.4	5.3	28.0
		9.6	0.5		14.7	0.8		6.4	0.2		5.6	1.0	19.4	10.9	7.6
NMAR8J	7.6	-0.5		26.0	-0.8		19.6	-0.3		8.3	-0.6		7.0	-0.8	
		-1.0	0.0		-5.5	0.0		-0.9	0.0		-0.7	0.0	7.0	-1.6	0.0
DLVLGJ	11.3	1.4		34.0	0.4		24.9	1.5		10.9	1.4		10.7	1.1	
		2.7	0.0		2.6	0.0		4.3	0.0		1.8	0.0	10.7	2.2	0.0
HBX9B8	8.2	-0.2	2.5	25.9	-0.8	2.0	18.5	-0.7	1.0	8.7	-0.3	2.0	11.5	1.5	2.1
		-0.4	0.5		-5.6	1.5		-2.1	0.7		-0.4	0.8	11.5	3.0	0.6
FZ2NVA	8.6	0.0	0.5	31.4	0.0	1.4	20.7	0.0	1.6	9.1	0.0	1.0	8.0	-0.2	1.4
		0.0	0.1		0.0	1.0		0.1	1.1		0.0	0.4	8.0	-0.5	0.4
Grand Median		8.59		31.4			20.6			9.06			8.50		
Median Abs Dev		1.03		4.3			2.1			0.75			1.55		
Avg Within Lab SD		0.20		0.8			0.7			0.40			0.27		
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		

CEC - Estimation (SubTestCode 185)	in the Other 1 Property Groups															Data units: cmol/kg
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
QRTWTH	6.5	-0.3	0.1	34.1	0.0	0.3	27.3	-0.4	0.3	9.2	0.0	0.5	4.9	-0.8	0.1	
		-0.8	0.0		0.0	0.7		-3.8	0.4		0.0	0.2		-1.9	0.1	
7ZD6W6	7.6	0.2	0.9	32.6	-0.1	1.1	31.1	0.0	0.8	10.2	0.5	0.2	8.8	0.8	0.9	
		0.3	0.4		-1.5	2.7		0.0	1.3		1.0	0.1		1.9	0.4	
9NWXA4	10.1	1.3	0.7	37.3	0.3	0.1	31.5	0.0	0.5	10.1	0.4	0.6	8.8	0.8	1.8	
		2.8	0.3		3.3	0.4		0.4	0.7		0.9	0.3		2.0	0.7	
JR33FL	7.2	0.0	0.2	23.8	-0.8	0.3	23.0	-0.8	0.1	8.4	-0.4	0.8	7.2	0.2	1.4	
		-0.1	0.1		-10.2	0.9		-8.1	0.2		-0.9	0.4		0.4	0.6	
C7JPMX	7.3	0.0	0.6	26.3	-0.6	0.1	29.2	-0.2	0.1	9.2	0.0	0.8	6.7	-0.1	0.3	
		0.0	0.3		-7.7	0.2		-1.9	0.2		0.0	0.4		-0.2	0.1	
FKAQUE	13.1	2.6	0.0	43.3	0.8	0.2	38.6	0.8	0.4	13.3	1.9	0.5	11.1	1.8	0.1	
		5.8	0.0		9.3	0.4		7.5	0.6		4.0	0.2		4.3	0.0	
KL8QVA	4.5	-1.3	0.1	20.3	-1.1	0.2	18.4	-1.3	0.3	6.0	-1.6	0.3	4.6	-1.0	0.6	
		-2.8	0.1		-13.7	0.6		-12.7	0.4		-3.3	0.1		-2.3	0.2	
394EVR	7.9	0.3	1.9	52.0	1.5	2.6	52.7	2.2	2.6	11.7	1.2	2.5	6.8	0.0	1.4	
		0.6	0.8		17.9	6.6		21.6	4.0		2.4	1.2		0.0	0.6	
7C8GAJ	7.2	0.0	2.0	43.9	0.8	0.8	34.5	0.4	1.0	9.0	-0.1	0.6	5.2	-0.7	0.8	
		-0.1	0.9		9.9	2.1		3.4	1.6		-0.2	0.3		-1.6	0.3	
Grand Median		7.30			34.1			31.1			9.24			6.83		
Median Abs Dev		0.64			9.3			3.8			0.89			1.91		
Avg Within Lab SD		0.44			2.5			1.6			0.46			0.39		
Labs Included		9			9			9			9			9		
Labs Reporting		9			9			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	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
P4A2NU	1.34	0.11	0.16	1.21	2.07	0.44	1.50	0.50		1.56	0.00	0.18	1.41	0.25	0.38
		0.02	0.01		0.17	0.01		0.05	0.00		0.00	0.01		0.04	0.01
QRTWTH	1.39	0.42	0.28	1.10	0.66	0.76	1.48	0.31	0.00	1.63	0.40	0.31	1.39	0.11	0.38
		0.06	0.01		0.05	0.01		0.03	0.00		0.07	0.01		0.02	0.01
JFLDGG	1.33	0.00	0.16	1.04	-0.08	1.31	1.45	0.00	0.29	1.62	0.33	0.18	1.37	0.00	0.66
		0.00	0.01		-0.01	0.02		0.00	0.01		0.06	0.01		0.00	0.01
ATNL8M	1.14	-1.20	0.65	1.00	-0.56	1.09	1.30	-1.37	0.88	1.32	-1.31	0.18	1.12	-1.69	0.77
		-0.18	0.02		-0.05	0.01		-0.15	0.02		-0.24	0.01		-0.25	0.01
7C8GAJ	1.08	-1.64	2.11	1.05	0.00	1.15	1.32	-1.19	1.77	1.31	-1.33	2.19	1.18	-1.32	1.92
		-0.25	0.08		0.00	0.02		-0.13	0.03		-0.24	0.07		-0.19	0.03
Grand Median		1.33			1.05			1.45			1.56			1.37	
Median Abs Dev		0.06			0.05			0.05			0.07			0.04	
Avg Within Lab SD		0.04			0.01			0.02			0.03			0.02	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			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	Sample Mean	Z Score	k Score	Sample Mean	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			
SRSSRS1506				SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510		
6LYFJD	59.2	-0.5	0.3	28.8	-0.4	0.7	47.5	-0.4	0.7	66.7	-0.6	0.3	48.8	-0.3	0.5
		-4.3	0.7		-3.6	1.3		-2.1	1.3		-2.5	0.7		-1.4	1.3
P4A2NU	64.0	0.1	0.0	38.0	0.6	0.0	51.0	0.3	0.0	70.0	0.2	0.0	52.0	0.4	0.0
		0.5	0.0		5.6	0.0		1.4	0.0		0.8	0.0		1.8	0.0
NLDBVL	63.0	-0.1	0.0	37.3	0.5	0.3	51.3	0.4	0.3	67.0	-0.5	0.5	51.3	0.2	0.2
		-0.5	0.0		5.0	0.6		1.8	0.6		-2.2	1.0		1.2	0.6
QRTWTH	66.3	0.3	0.3	35.3	0.3	0.3	49.7	0.0	1.2	69.3	0.0	0.5	48.3	-0.4	2.5
		2.8	0.6		3.0	0.6		0.1	2.1		0.2	1.2		-1.8	6.7
7ZD6W6	69.1	0.6	2.5	36.4	0.4	0.9	51.1	0.3	1.5	69.7	0.1	1.4	53.7	0.7	1.4
		5.6	5.8		4.0	1.7		1.5	2.6		0.6	2.9		3.6	3.6
YZZZJF	59.7	-0.4	0.4	34.3	0.2	0.1	49.5	0.0	0.6	66.5	-0.6	0.1	47.2	-0.6	0.2
		-3.8	1.0		2.0	0.1		-0.1	1.0		-2.7	0.1		-3.0	0.5
8BQPU8	68.0	0.5	0.0	36.3	0.4	0.8	52.0	0.5	0.0	71.3	0.5	0.5	52.3	0.4	0.2
		4.5	0.0		4.0	1.5		2.4	0.0		2.2	1.2		2.2	0.6
KXG7ZU	61.0	-0.3	0.0	29.0	-0.3	0.0	44.3	-1.1	0.3	65.0	-0.9	0.0	47.7	-0.5	0.4
		-2.5	0.0		-3.4	0.0		-5.2	0.6		-4.2	0.0		-2.5	1.2
JR33FL	71.0	0.8	0.0	51.0	1.9	0.0	61.0	2.5	0.0	71.0	0.4	0.0	59.0	1.8	0.0
		7.5	0.0		18.6	0.0		11.4	0.0		1.8	0.0		8.8	0.0
D4AZWT	61.2	-0.2	0.0	24.4	-0.8	0.0	44.4	-1.1	0.0	70.4	0.3	0.0	45.2	-1.0	0.0
		-2.3	0.0		-8.0	0.0		-5.2	0.0		1.2	0.0		-5.0	0.0
BAQLTV	16.0	-5.0	0.0	17.0	-1.6	0.0	45.0	-1.0	0.0	71.0	0.4	0.0	49.0	-0.2	0.0
		-47.5	0.0		-15.4	0.0		-4.6	0.0		1.8	0.0		-1.2	0.0
C7JPMX	47.9	-1.7	0.0	24.0	-0.9	0.0	47.9	-0.4	0.0	64.0	-1.2	0.0	43.9	-1.3	1.0
		-15.6	0.0		-8.4	0.0		-1.7	0.0		-5.2	0.0		-6.2	2.8
JFLDGG	62.0	-0.2	0.0	30.0	-0.2	0.0	48.0	-0.3	0.0	69.0	0.0	0.0	51.0	0.2	0.0
		-1.5	0.0		-2.4	0.0		-1.6	0.0		-0.2	0.0		0.8	0.0
XKPZB6	70.5	0.7	1.7	60.9	2.9	0.9	55.7	1.3	3.0	73.5	1.0	0.0	55.7	1.1	0.4
		7.0	4.0		28.6	1.6		6.2	5.3		4.3	0.1		5.5	1.2
NDHCHE	71.3	0.8	0.5	36.7	0.4	1.6	52.7	0.7	0.7	71.3	0.5	2.4	50.0	0.0	0.7
		7.8	1.2		4.3	3.1		3.1	1.2		2.2	5.0		-0.2	2.0
KF2UCA	63.3	0.0	0.3	32.3	0.0	1.1	49.7	0.0	1.2	69.0	0.0	1.3	50.3	0.0	0.2
		-0.2	0.6		0.0	2.1		0.1	2.1		-0.2	2.6		0.2	0.6
U2QVVZ	63.7	0.0	1.3	32.0	0.0	1.4	46.0	-0.8	0.6	66.7	-0.6	0.3	48.0	-0.4	0.4
		0.2	3.1		-0.4	2.6		-3.6	1.0		-2.5	0.6		-2.2	1.0
486TGQ	59.7	-0.4	0.3	20.3	-1.2	0.3	48.0	-0.3	0.0	66.7	-0.6	0.7	45.3	-1.0	0.4
		-3.8	0.6		-12.0	0.6		-1.6	0.0		-2.5	1.5		-4.8	1.2
DLVLGJ	69.2	0.6	0.0	25.6	-0.7	0.0	50.2	0.1	0.0	69.0	0.0	0.0	51.5	0.3	0.0
		5.7	0.0		-6.8	0.0		0.6	0.0		-0.2	0.0		1.3	0.0
97UHQN	56.7	-0.7	0.5	23.3	-0.9	0.6	45.3	-0.9	0.7	64.7	-1.0	0.5	46.7	-0.7	0.5
		-6.8	1.2		-9.0	1.2		-4.2	1.2		-4.5	1.2		-3.5	1.2



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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		
ATNL8M	62.1	-0.1	0.1	33.5	0.1	0.7	49.1	-0.1	0.1	68.5	-0.1	0.2	52.7	0.5	0.3
		-1.4	0.2		1.1	1.3		-0.4	0.2		-0.6	0.5		2.6	0.7
FFW7K9	66.0	0.3		37.3	0.5	0.6	51.3	0.4	1.7	74.0	1.1	2.5	52.0	0.4	
		2.5	0.0		5.0	1.2		1.8	3.1		4.8	5.3		1.8	0.0
729JLJ	63.9	0.0		32.4	0.0		49.0	-0.1		70.0	0.2		48.6	-0.3	
		0.4	0.0		0.0	0.0		-0.6	0.0		0.8	0.0		-1.6	0.0
JQ9CA8	72.3	0.9	3.7	38.3	0.6	4.0	52.7	0.7	2.6	75.3	1.4	2.9	59.3	1.9	3.8
		8.8	8.4		6.0	7.6		3.1	4.6		6.2	6.0		9.2	10.2
7RJXFK	68.8	0.6	0.2	30.7	-0.2	0.4	52.9	0.7	0.3	74.5	1.2	0.3	51.5	0.3	0.2
		5.3	0.5		-1.7	0.8		3.3	0.6		5.3	0.7		1.3	0.5
FZ2NVA	46.9	-1.8	0.5	19.6	-1.3	0.0	35.6	-3.0	0.0	50.9	-4.1	0.5	36.9	-2.7	0.4
		-16.6	1.2		-12.8	0.0		-14.0	0.0		-18.2	1.2		-13.2	1.2
Grand Median		63.5			32.4			49.6			69.2			50.2	
Median Abs Dev		4.1			4.6			1.9			2.2			2.2	
Avg Within Lab SD		2.3			1.9			1.8			2.1			2.7	
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		

Silt 50 - 2 um (SubTestCode 188)			in the Particle Size Analysis Property Groups									Data units: Percent			
SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
6LYFJD	31.7	0.3 1.9 1.9	1.2	37.1	0.4 2.7 0.7	0.5	17.1	-0.1 -0.8 0.0	0.6	22.9	-0.3 -1.4 0.4	0.4	26.3	-0.8 -4.1 -0.9	0.6 1.3
P4A2NU	34.0	0.7 4.2 0.1	0.0	40.0	0.8 5.6 -0.2	0.0	18.0	0.2 0.0 0.4	0.0	26.0	1.7 0.8 0.5	0.0	26.0	-4.3 -0.9 0.5	0.0
NLDBVL	30.7	0.9 -0.3 1.1	0.6	33.0	-1.4 -0.3 -2.4	1.0	17.7	-0.2 -0.3 -1.5	0.6	28.0	3.7 -0.2 0.6	1.0	26.0	-4.3 0.2 1.0	1.0
QRTWTH	28.0	-1.8 -0.4 3.2	1.7	32.0	0.0 1.6 0.0	0.0	16.3	2.1 1.5 0.2	2.1	23.3	-0.9 0.2 1.1	0.6	31.3	1.0 -0.3 0.9	5.5
7ZD6W6	27.1	-2.7 -0.3 0.4	5.2	34.4	-0.9 0.6 -6.3	0.6	19.1	0.2 1.2 2.0	1.5	25.1	0.2 0.8 2.2	1.1	29.1	-1.3 -0.8 0.2	2.0
YZZZJF	28.0	-1.8 0.0 0.2	0.7	28.1	0.2 1.0 1.3	1.0	14.4	0.5 0.9 2.8	0.9	24.2	-0.1 0.5 2.4	0.2	26.7	0.3 0.6 1.3	0.4
8BQPU8	30.0	0.1 0.9 1.2	0.0	35.0	0.6 1.0 -0.3	1.0	20.7	0.3 1.8 0.4	0.4	26.7	0.6 2.7 0.0	1.2	31.7	0.4 2.0 0.3	0.6
KXG7ZU	30.7	-0.6 -3.8 0.0	1.2	32.0	-2.4 0.0 -0.3	0.0	19.7	2.2 -0.7 -3.8	0.0	27.0	-0.3 -2.2 -10.3	0.0	32.3	0.9 0.7 0.0	1.2
JR33FL	26.0	0.0 -0.2 4.0	0.0	32.0	2.7 18.6 0.0	0.0	20.0	6.5 37.2 0.0	0.0	24.0	-0.5 -2.3 0.0	0.0	32.0	3.7 -0.1 1.3	0.0
D4AZWT	29.6	2.3 14.4 0.0	0.0	32.0	0.8 5.6 0.0	0.0	14.0	-0.3 -1.7 0.0	0.0	14.0	0.8 3.8 0.0	0.0	31.2	-0.3 -1.3 -6.3	0.0
BAQLTV	55.0	0.2 1.2 0.0	0.0	53.0	-0.5 -3.4 0.0	0.0	55.0	-0.5 -2.8 1.5	0.0	22.0	-0.5 -2.3 -0.2	0.0	34.0	0.1 0.6 0.3	0.0
C7JPMX	44.1	14.4 0.2 1.3	0.0	40.0	5.6 0.9 1.3	0.0	16.1	8.7 0.6 1.2	0.0	28.0	-1.0 0.2 2.0	1.6	30.1	0.3 0.3 1.2	1.3
JFLDGG	31.0	-0.5 -2.9 2.1	1.3	34.4	0.0 0.9 0.1	0.9	26.6	1.2 0.6 1.2	1.2	23.3	0.7 0.2 4.0	4.0	32.0	1.7 0.1 0.5	2.6
NDHCHE	26.3	-0.5 -3.4 0.7	1.4	35.0	0.6 2.0 -0.2	2.0	21.3	3.5 -0.2 0.9	1.5	25.0	0.2 1.1 2.3	2.0	30.7	0.3 0.3 1.2	1.2
KF2UCA	34.3	4.6 -0.3 1.8	0.6	32.7	-1.7 -0.7 1.0	3.1	16.7	-1.2 0.0 2.2	1.2	25.3	1.1 0.0 0.3	2.3	30.7	0.3 -0.4 1.2	1.2
U2QVVZ	28.0	-1.8 1.0 0.4	3.0	29.7	-4.7 1.6 0.7	1.5	17.7	-0.2 0.8 0.7	2.9	24.3	0.1 0.9 0.7	0.6	28.3	-2.0 0.9 0.3	2.5
486TGQ	36.1	6.4 -0.1 0.6	0.6	45.6	11.2 2.0 1.0	1.0	22.6	4.8 0.7 0.9	0.9	28.3	4.1 0.8 1.5	1.5	34.8	4.5 1.3 0.6	0.6
DLVLGJ	29.2	-0.6 1.4 0.7	0.0	48.2	13.8 2.7 0.8	0.0	21.7	3.9 1.3 0.9	0.0	28.2	3.9 1.1 0.6	0.0	36.6	6.3 1.2 0.0	0.0
97UHQN	38.7	8.9 1.2	1.2	53.3	18.9 1.2	1.2	25.3	7.5 1.2	1.2	29.3	5.1 1.2	1.2	36.0	5.6 0.1	0.1



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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		
ATNL8M	29.9	0.0	0.6	34.2	0.0	0.5	19.7	0.3	1.4	22.0	-0.5	0.8	25.6	-1.0	0.4
		0.2	1.0		-0.2	0.7		1.8	1.8		-2.3	1.6		-4.7	0.9
FFW7K9	23.7	-1.0	0.7	33.7	-0.1	0.8	17.7	0.0	2.3	15.0	-2.0	2.6	25.0	-1.1	
		-0.6	1.2		-0.7	1.2		-0.2	3.1		-9.3	5.3		-5.3	0.0
729JLJ	26.2	-3.6	0.0	29.0	-0.8		14.2	-0.6		19.2	-1.1		22.9	-1.5	
		-0.6			-5.4	0.0		-3.6	0.0		-5.1	0.0		-7.4	0.0
JQ9CA8	21.3	-1.3	1.8	30.0	-0.6	3.3	13.7	-0.7	1.8	15.7	-1.8	3.1	20.0	-2.1	3.4
		-8.4	2.9		-4.4	5.0		-4.2	2.3		-8.6	6.4		-10.3	7.2
7RJXFK	27.9	-0.3	0.3	42.2	1.1	0.6	18.7	0.2	0.4	20.1	-0.9	0.4	31.8	0.3	0.4
		-1.9	0.5		7.8	0.9		0.9	0.5		-4.2	0.8		1.4	0.8
FZ2NVA	33.5	0.6	0.7	34.8	0.1	0.0	16.8	-0.2	0.0	29.5	1.1	0.6	29.5	-0.2	0.5
		3.7	1.2		0.4	0.0		-1.0	0.0		5.2	1.2		-0.9	1.2
Grand Median		29.8			34.4			17.8			24.3			30.3	
Median Abs Dev		2.8			2.5			2.0			2.3			2.8	
Avg Within Lab SD		1.6			1.5			1.3			2.0			2.1	
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		

Clay 2 - 0 um (SubTestCode 189)				in the Particle Size Analysis Property Groups												Data units: Percent	
SRSSRS1506				SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510				
6LYFJD	9.2	0.4	1.8	34.2	0.2	0.5	35.4	0.6	0.5	10.4	0.7	0.8	25.0	0.7			
		2.5	1.4		2.2	0.7		4.3	0.7		3.1	0.7		4.5	0.0		
P4A2NU	4.0	-0.5		22.0	-1.1		31.0	0.0		4.0	-0.8		22.0	0.2			
		-2.7	0.0		-10.0	0.0		-0.1	0.0		-3.3	0.0		1.5	0.0		
NLDBVL	6.3	-0.1	0.7	29.7	-0.3	0.4	31.0	0.0		5.0	-0.5		22.7	0.4	0.5		
		-0.3	0.6		-2.3	0.6		-0.1	0.0		-2.3	0.0		2.2	0.6		
QRTWTH	5.7	-0.2	1.5	32.7	0.1	0.4	34.0	0.4	2.1	7.7	0.1	1.3	20.3	0.0	1.0		
		-1.0	1.2		0.7	0.6		2.9	3.0		0.3	1.2		-0.2	1.2		
7ZD6W6	3.9	-0.5	0.8	29.2	-0.3	0.6	29.9	-0.2	0.4	5.2	-0.5	2.0	17.2	-0.5	1.6		
		-2.8	0.6		-2.8	0.8		-1.2	0.6		-2.1	1.7		-3.3	1.7		
YZZZJF	12.3	1.0	0.8	37.6	0.6	0.6	36.1	0.7	0.9	9.3	0.5	0.3	26.1	0.9	0.2		
		5.6	0.6		5.6	0.8		5.0	1.2		2.0	0.3		5.6	0.2		
8BQPU8	2.0	-0.8		28.0	-0.4		27.3	-0.5	0.8	2.0	-1.2		16.0	-0.7			
		-4.7	0.0		-4.0	0.0		-3.8	1.2		-5.3	0.0		-4.5	0.0		
KXG7ZU	8.3	0.3	1.5	36.0	0.4	0.7	36.0	0.7		8.0	0.2		20.0	-0.1			
		1.7	1.2		4.0	1.0		4.9	0.0		0.7	0.0		-0.5	0.0		
JR33FL	3.0	-0.6		17.0	-1.7		19.0	-1.8		5.0	-0.5		9.0	-1.9			
		-3.7	0.0		-15.0	0.0		-12.1	0.0		-2.3	0.0		-11.5	0.0		
D4AZWT	9.2	0.4	0.0	43.6	1.3	0.0	41.6	1.5	0.0	15.6	1.9	0.0	23.6	0.5	0.0		
		2.5	0.0		11.6	0.0		10.5	0.0		8.3	0.0		3.1	0.0		
BAQLTV	29.0	3.8		30.0	-0.2		27.0	-0.6		7.0	-0.1		17.0	-0.6			
		22.3	0.0		-2.0	0.0		-4.1	0.0		-0.3	0.0		-3.5	0.0		
C7JPMX	8.0	0.2		36.0	0.4		36.0	0.7		8.0	0.2		26.0	0.9			
		1.3	0.0		4.0	0.0		4.9	0.0		0.7	0.0		5.5	0.0		
JFLDGG	7.0	0.1		39.0	0.8		37.0	0.9		9.0	0.4		25.0	0.7			
		0.3	0.0		7.0	0.0		5.9	0.0		1.7	0.0		4.5	0.0		
XKPZB6	2.7	-0.7	2.4	4.7	-3.1	1.0	17.7	-1.9	3.1	3.2	-0.9	1.8	13.7	-1.1	1.8		
		-4.0	1.9		-27.3	1.4		-13.4	4.4		-4.1	1.6		-6.8	2.0		
NDHCHE	2.3	-0.8	1.3	28.3	-0.4	0.9	25.7	-0.8	0.8	3.5	-0.9	1.4	18.0	-0.4	0.9		
		-4.4	1.0		-3.7	1.2		-5.4	1.2		-3.9	1.3		-2.5	1.0		
KF2UCA	2.3	-0.7	1.5	35.0	0.3	0.7	33.7	0.4	1.1	5.7	-0.4	0.7	19.0	-0.2	1.6		
		-4.3	1.2		3.0	1.0		2.6	1.5		-1.7	0.6		-1.5	1.7		
U2QVVZ	8.3	0.3	0.7	38.3	0.7	1.1	36.3	0.8	1.5	9.0	0.4	1.1	23.7	0.5	1.4		
		1.7	0.6		6.3	1.5		5.2	2.1		1.7	1.0		3.2	1.5		
486TGQ	4.2	-0.4	0.0	34.1	0.2	0.3	29.4	-0.2	0.6	5.1	-0.5	0.0	19.8	-0.1	0.8		
		-2.5	0.0		2.1	0.5		-1.7	0.9		-2.2	0.0		-0.7	0.9		
DLVLGJ	1.7	-0.9		26.2	-0.6		28.1	-0.4		2.9	-1.0		11.9	-1.4			
		-5.0	0.0		-5.8	0.0		-3.0	0.0		-4.5	0.0		-8.6	0.0		
97UHQN	4.7	-0.3	1.5	23.3	-1.0	0.9	29.3	-0.3	0.8	6.0	-0.3		17.3	-0.5	1.0		
		-2.0	1.2		-8.7	1.2		-1.8	1.2		-1.3	0.0		-3.2	1.2		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
ATNL8M	7.9	0.2	1.3	32.3	0.0	1.1	31.2	0.0	1.4	9.5	0.5	1.9	21.7	0.2	1.4
		1.3	1.0		0.3	1.5		0.1	1.9		2.1	1.6		1.2	1.5
FFW7K9	10.3	0.6	1.5	29.0	-0.3		31.0	0.0		11.0	0.8		23.0	0.4	
		3.7	1.2		-3.0	0.0		-0.1	0.0		3.7	0.0		2.5	0.0
729JLJ	9.9	0.6		38.5	0.7		36.8	0.8		10.8	0.8		28.4	1.3	
		3.2	0.0		6.5	0.0		5.7	0.0		3.5	0.0		7.9	0.0
JQ9CA8	9.5	0.5	0.9	31.7	0.0	4.3	33.7	0.4	1.6	9.0	0.4	3.0	20.7	0.0	2.9
		2.8	0.7		-0.3	5.8		2.6	2.3		1.7	2.6		0.2	3.2
7RJXFK	3.3	-0.6	0.2	27.1	-0.5	0.0	28.4	-0.4	0.1	5.4	-0.4	0.1	16.8	-0.6	0.3
		-3.4	0.2		-4.9	0.1		-2.7	0.1		-1.9	0.1		-3.7	0.3
FZ2NVA	19.6	2.2	0.0	45.6	1.5	0.0	47.6	2.4	0.0	19.6	2.8	0.0	33.6	2.2	0.0
		12.9	0.0		13.6	0.0		16.5	0.0		12.3	0.0		13.1	0.0
Grand Median		6.67			32.0			31.1			7.33			20.5	
Median Abs Dev		2.82			4.0			3.9			2.18			3.2	
Avg Within Lab SD		0.80			1.3			1.4			0.88			1.1	
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		

Solvita CO2 Soil Respiration Test (SubTestCode 191) in the Other 2 Property Groups															Data units: mg/kg	
	SRSSRS1506			SRSSRS1507			SRSSRS1508			SRSSRS1509			SRSSRS1510			
NLDBVL	22.6	0.0	0.2	53.5	0.0	0.2	6.8	-0.3	0.4	34.8	0.0	0.0	21.6	0.0	0.1	
		0.0	0.6		0.0	1.0		-2.0	0.7		0.0	0.1		0.0	0.5	
CTDWTZ	19.4	-0.1	0.0	18.8	-1.2	0.0	8.8	0.0	0.1	33.7	0.0	0.3	24.1	0.2	0.1	
		-3.2	0.1		-34.7	0.2		0.0	0.2		-1.1	1.1		2.5	0.3	
JR33FL	19.2	-0.2		23.0	-1.1		4.3	-0.7		2.3	-0.8		18.4	-0.2		
		-3.5	0.0		-30.5	0.0		-4.5	0.0		-32.5	0.0		-3.2	0.0	
NMAR8J	53.0	1.3	0.5	55.4	0.1	0.3	14.7	0.9	0.4	115.0	1.9	2.0	31.0	0.7	1.9	
		30.4	1.3		1.9	1.6		5.9	0.7		80.2	8.0		9.5	8.4	
YJVWV3	81.0	2.6	1.7	77.8	0.8	1.7	19.9	1.7	0.3	108.0	1.7	1.3	67.7	3.5	0.8	
		58.4	4.6		24.3	7.9		11.1	0.6		73.2	5.2		46.1	3.4	
394EVR	26.7	0.2	1.7	78.4	0.9	0.8	11.1	0.4	2.6	38.1	0.1	0.4	20.6	-0.1	0.6	
		4.0	4.7		24.9	3.9		2.3	4.5		3.3	1.7		-1.0	2.8	
HBX9B8	14.4	-0.4	1.0	34.3	-0.7	1.8	4.3	-0.7	0.2	23.9	-0.3	0.9	21.3	0.0	1.6	
		-8.2	2.8		-19.2	8.0		-4.5	0.3		-10.9	3.4		-0.3	6.9	
Grand Median		22.6		53.5			8.80			34.8			21.6			
Median Abs Dev		4.0		24.3			4.47			10.9			2.5			
Avg Within Lab SD		2.8		4.5			1.74			3.9			4.4			
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		

Illinois Lime Requirement (SubTestCode 193)	in the Other 2 Property Groups								Data units: ton/acre	
	SRSSRS1506		SRSSRS1507		SRSSRS1508		SRSSRS1509		SRSSRS1510	
P4A2NU	4.0		28.7	1.0	131.3	0.6	3.0	0.0	9.0	0.0
		0.0		0.6		1.5		0.0		0.0
		1.0		1.0		1.3				1.0
HBX9B8	6.6		33.5	0.6	138.7	3.5	6.0	0.0	19.3	0.6
		0.4		0.6		3.5		0.0		0.6
Grand Median	5.32		31.1		135.0		4.50		14.2	
Median Abs Dev										
Avg Within Lab SD	0.36		0.6		2.7		0.00		0.6	
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		

DTPA-sorbitol extractable S (SubTestCode 194)	in the Other 2 Property Groups				Data units: mg/kg									
	SRSSRS1506	SRSSRS1507	SRSSRS1508	SRSSRS1509	SRSSRS1510									
P4A2NU	38.7							2.0		9.3				
		0.5												0.0
		0.6												0.6
HBXDMV	3.6	0.1	23.5	1.4	436.0	1.4			0.0		11.7			0.0
		0.1		0.4		576.6			0.1					0.0
		1.7		0.1		0.0			1.4					0.4
HBX9B8	41.5	2.0	0.0	0.0	0.3	0.2			7.0		23.4			21.2
Grand Median	38.7		11.8		218.1				2.43		11.7			
Median Abs Dev														
Avg Within Lab SD	1.2		0.3		407.7				0.34		12.3			
Labs Included	3		2		2				3		3			
Labs Reporting	3		2		2				3		3			



ALP Program - Participant Web Summary Report - Cycle 27

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



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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									
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
6LYFJD	94.9	0.2	0.3	92.8	0.3	0.4	95.1	0.0	0.2
		0.2	0.1		0.4	0.1		0.0	0.0
P4A2NU	94.3	-0.5	0.0	92.2	-0.2	0.0	94.7	-0.6	0.0
		-0.4	0.0		-0.3	0.0		-0.5	0.0
NLDBVL	95.0	0.3	0.9	93.4	0.7	3.0	95.5	0.4	0.8
		0.3	0.1		1.0	0.6		0.3	0.1
CHC7CY	94.4	-0.4	0.1	91.9	-0.4	0.2	94.4	-0.9	0.2
		-0.4	0.0		-0.5	0.0		-0.8	0.0
49HZ39	95.0	0.3	0.2	93.0	0.4	0.6	95.5	0.4	0.8
		0.2	0.0		0.6	0.1		0.3	0.1
3MYY89	94.3	-0.5	0.1	92.6	0.1	0.1	95.2	0.0	0.1
		-0.5	0.0		0.2	0.0		0.0	0.0
HEWPJV	93.3	-1.6	2.8	90.4	-1.4	0.7	93.9	-1.4	1.7
		-1.4	0.5		-2.0	0.2		-1.2	0.2
C7JPMX	95.2	0.5	1.3	93.0	0.4	0.0	95.7	0.6	0.4
		0.4	0.2		0.5	0.0		0.6	0.0
F74V9R	93.6	-1.3	1.6	90.4	-1.5	0.8	93.7	-1.7	2.1
		-1.2	0.3		-2.0	0.2		-1.4	0.3
Y82F73	94.2	-0.7	0.8	92.4	-0.1	0.3	94.6	-0.7	0.1
		-0.6	0.1		-0.1	0.1		-0.6	0.0
MZ2YRE	94.6	-0.2	0.6	93.8	0.9	1.1	95.3	0.2	0.3
		-0.2	0.1		1.3	0.2		0.1	0.0
FKAQUE	95.2	0.5	0.2	92.5	0.1	1.2	95.3	0.1	2.5
		0.4	0.0		0.1	0.3		0.1	0.3
NJAJ39	95.1	0.4	0.0	91.5	-0.7	0.0	95.2	0.0	0.0
		0.3	0.0		-1.0	0.0		0.0	0.0
	95.1	0.4	0.0	91.5	-0.7	0.0	95.2	0.0	0.0
		0.3	0.0		-1.0	0.0		0.0	0.0
DRWZ3L	97.3	2.8	1.0	95.5	2.2	1.4	97.6	2.9	0.7
		2.5	0.2		3.1	0.3		2.5	0.1
FFW7K9	94.4	-0.4	0.9	91.4	-0.7	0.7	94.5	-0.8	0.7
		-0.3	0.1		-1.0	0.1		-0.7	0.1
Grand Median	94.8			92.4			95.2		
Median Abs Dev	0.4			0.8			0.4		
Avg Within Lab SD	0.2			0.2			0.1		
Labs Included	16			16			16		
Labs Reporting	16			16			16		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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									
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
6LYFJD	255.9	0.1	0.0	40.7	0.1	0.0	446.8	-0.2	0.5
		5.2	0.6		8.0	0.7		-16.2	9.8
NLDBVL	194.7	-0.8	0.2	37.3	0.1	0.1	371.7	-1.4	0.2
		-56.0	4.5		4.6	2.5		-91.3	3.2
7ZD6W6	213.3	-0.5	0.5	36.7	0.0	0.6	400.5	-0.9	1.0
		-37.3	14.6		3.9	11.0		-62.5	20.1
49HZ39	241.0	-0.1	0.6	2.3	-0.4	0.0	473.3	0.2	0.3
		-9.7	18.3		-30.4	0.6		10.3	5.1
HBXDMV	259.0	0.1	1.2	128.0	1.2	0.9	463.3	0.0	1.1
		8.3	34.4		95.3	15.1		0.3	22.1
ALN6UV	305.0	0.8	0.9	32.7	0.0	0.0	479.0	0.2	1.1
		54.3	28.0		0.0	0.3		16.0	21.0
XFBKG8	250.7	0.0	0.6	258.7	2.8	1.4	408.0	-0.8	1.0
		0.0	17.8		225.9	24.5		-55.0	20.2
NMAR8J	193.3	-0.8	0.2	20.0	-0.2		493.3	0.4	0.6
		-57.3	5.8		-12.7	0.0		30.3	11.5
BKK2HW	516.7	3.7	2.9	313.3	3.5	3.1	520.0	0.8	2.2
		266.0	85.0		280.6	55.1		57.0	43.6
F74V9R	265.2	0.2	0.1	20.0	-0.2	0.0	507.7	0.7	0.3
		14.5	4.4		-12.7	0.2		44.8	6.2
Y82F73	551.4	4.2	1.7	466.7	5.4	19.0	917.3	6.7	15.0
		300.7	50.4		433.9	334.1		454.3	295.6
NDHCHE	275.0	0.3	1.1	14.1	-0.2	0.1	446.7	-0.2	1.5
		24.3	33.6		-18.7	2.6		-16.3	29.4
FKAQUE	207.7	-0.6	0.1	21.3	-0.1	0.0	463.0	0.0	0.3
		-43.0	4.4		-11.4	0.8		0.0	6.4
FFW7K9	196.2	-0.8	0.3	32.3	0.0	0.2	270.0	-2.9	0.7
		-54.5	9.2		-0.4	3.4		-193.0	13.1
Grand Median	250.7			32.7			463.0		
Median Abs Dev	37.3			12.7			30.3		
Avg Within Lab SD	29.6			17.6			19.7		
Labs Included	13			13			13		
Labs Reporting	13			13			13		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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								
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
P4A2NU	323.3	0.0	0.0	119.4	0.0	0.0	598.7	0.5	0.2
		0.0	0.0		0.0	0.0		89.0	6.1
CHC7CY	404.7	0.7	0.1	125.1	0.1	0.2	442.4	-0.4	0.1
		81.4	2.1		5.8	2.9		-67.2	2.7
9NWXA4	395.9	0.6	1.2	240.2	1.5	0.8	558.6	0.3	1.9
		72.6	22.1		120.9	11.6		48.9	45.3
TK6TZ7	321.3	0.0	1.9	82.3	-0.5	2.1	509.7	0.0	1.2
		-2.0	34.3		-37.0	32.4		0.0	29.7
Y82F73	76.8	-2.1		14.4	-1.3		160.5	-2.1	
		-246.5	0.0		-105.0	0.0		-349.1	0.0
Grand Median	323.3			119.4			509.7		
Median Abs Dev	72.6			37.0			67.2		
Avg Within Lab SD	18.3			15.4			24.4		
Labs Included	5			5			5		
Labs Reporting	5			5			5		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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					
	SRBSRB1504		SRBSRB1505		SRBSRB1506	
HEWPJV	206.3	0.1	70.0	0.0	446.0	0.1
		8.1		0.0		8.9
JQ9CA8	477.7	1.4	208.7	1.0	566.4	1.4
		132.6		108.4		169.1
Grand Median	342.0		139.3		506.2	
Median Abs Dev						
Avg Within Lab SD	94.0		108.4		119.7	
Labs Included	2		2		2	
Labs Reporting	2		2		2	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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					
	SRBSRB1504		SRBSRB1505		SRBSRB1506	
FKAQUE	94.0	1.0 13.4	428.4	0.0 4.6 1.4	129.4	1.0 2.8
JQ9CA8			382.9	283.7		
Grand Median	94.0		405.6		129.4	
Median Abs Dev						
Avg Within Lab SD	13.4		200.6		2.8	
Labs Included	1		2		1	
Labs Reporting	1		2		1	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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									
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
P4A2NU	1,293.2	1.6	0.1	1,616.9	1.4	0.0	707.9	1.1	0.3
		270.9	18.4		356.1	0.0		93.7	10.6
7ZD6W6	1,014.7	0.0	0.2	1,256.7	0.0	1.2	556.7	-0.7	0.3
		-7.7	45.0		-4.2	90.7		-57.5	12.7
49HZ39	1,244.3	1.3	0.1	1,674.3	1.7	0.2	745.7	1.6	0.3
		222.0	26.8		413.5	17.6		131.5	13.9
HBXDMV	1,030.0	0.0	0.1	1,219.0	-0.2	1.9	634.0	0.2	1.7
		7.7	30.0		-41.8	142.5		19.8	70.3
9NWXA4	926.7	-0.6	0.5	1,110.0	-0.6	1.2	623.3	0.1	1.5
		-95.7	115.0		-150.8	88.9		9.2	61.1
ALN6UV	1,014.0	0.0	0.0	1,265.0	0.0	0.8	599.0	-0.2	1.1
		-8.3	9.0		4.2	60.5		-15.2	45.0
BKK2HW	1,133.3	0.7	0.5	1,166.7	-0.4	0.8	503.3	-1.3	0.8
		111.0	115.5		-94.2	57.7		-110.8	32.1
Y82F73	842.9	-1.1	2.7	1,532.0	1.1	0.6	605.0	-0.1	1.0
		-179.4	629.8		271.2	41.9		-9.2	42.9
Grand Median		1,022.3			1,260.8			614.2	
Median Abs Dev		103.3			122.5			38.7	
Avg Within Lab SD		231.1			75.4			41.9	
Labs Included		8			8			8	
Labs Reporting		8			8			8	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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
	SRBSRB1504		SRBSRB1505		SRBSRB1506		
P4A2NU	388.7	0.9	672.8	0.0	211.3	0.0	
		6.1		0.0		0.0	
CHC7CY	468.9	1.0	811.7	0.3	271.0	0.9	
		7.3		2.0		5.2	
49HZ39	456.3	1.1	795.3	1.7	253.3	1.5	
		7.5		12.2		8.1	
Grand Median	456.3		795.3		253.3		
Median Abs Dev							
Avg Within Lab SD	7.0		7.1		5.6		
Labs Included	3		3		3		
Labs Reporting	3		3		3		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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								
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
P4A2NU	0.31	0.57	0.08	0.08	-0.41	0.08	0.23	-0.04	0.16
		0.06	0.00		-0.04	0.00		-0.01	0.00
NLDBVL	0.24	-0.07	0.68	0.13	0.08	0.71	0.24	0.04	0.00
		-0.01	0.01		0.01	0.01		0.01	0.00
7ZD6W6	0.29	0.36	2.06	0.19	0.67	1.88	0.31	0.44	1.98
		0.04	0.03		0.07	0.02		0.07	0.03
49HZ39	0.23	-0.16	0.68	0.09	-0.34	0.00	0.21	-0.16	1.35
		-0.02	0.01		-0.04	0.00		-0.03	0.02
HEWPJV	0.18	-0.64	0.78	0.12	-0.08	0.71	0.19	-0.28	0.37
		-0.07	0.01		-0.01	0.01		-0.05	0.01
ALN6UV	0.26	0.15	1.41	0.16	0.38	2.56	0.30	0.40	0.65
		0.02	0.02		0.04	0.02		0.07	0.01
XFBKG8	0.36	1.06	1.70	0.29	1.62	0.44	0.62	2.31	2.17
		0.12	0.03		0.17	0.00		0.39	0.03
NMAR8J	0.25	0.07	0.27	0.17	0.45	0.19	0.39	0.92	0.68
		0.01	0.00		0.05	0.00		0.15	0.01
F74V9R	0.43	1.67	0.77	0.33	2.02	0.34	0.50	1.60	0.31
		0.18	0.01		0.21	0.00		0.27	0.00
FKAQUE	0.18	-0.65	0.14	0.06	-0.63	0.11	0.17	-0.36	0.22
		-0.07	0.00		-0.06	0.00		-0.06	0.00
ATNL8M	0.16	-0.75	0.20	0.05	-0.70	0.19	0.15	-0.48	0.47
		-0.08	0.00		-0.07	0.00		-0.08	0.01
JQ9CA8	0.03	-1.95	0.78	0.05	-0.70	0.71	0.05	-1.08	0.37
		-0.21	0.01		-0.07	0.01		-0.18	0.01
Grand Median		0.25		0.13			0.23		
Median Abs Dev		0.07		0.06			0.07		
Avg Within Lab SD		0.01		0.01			0.02		
Labs Included		12		12			12		
Labs Reporting		12		12			12		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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								
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
P4A2NU	2.81	0.00	0.58	3.30	0.38	0.24	2.71	0.00	0.45
		0.00	0.04		0.10	0.02		0.00	0.04
7ZD6W6	2.90	0.54	1.29	3.29	0.34	0.31	2.72	0.05	1.11
		0.09	0.09		0.09	0.03		0.01	0.09
3MY89	2.45	-2.19	0.18	2.86	-1.33	0.14	2.40	-1.61	0.14
		-0.37	0.01		-0.34	0.01		-0.31	0.01
ALN6UV	2.84	0.16	0.15	3.20	0.00	0.82	2.75	0.23	0.62
		0.03	0.01		0.00	0.07		0.04	0.05
C7JPMX	2.65	-0.97	1.06	3.03	-0.68	0.26	2.60	-0.58	0.96
		-0.16	0.07		-0.17	0.02		-0.11	0.08
Y82F73	2.68	-0.77	2.24	2.64	-2.21	2.71	2.31	-2.10	1.88
		-0.13	0.15		-0.56	0.22		-0.40	0.16
NDHCHE	2.74	-0.42	0.46	3.14	-0.24	0.57	2.59	-0.63	1.49
		-0.07	0.03		-0.06	0.05		-0.12	0.12
FKAQUE	2.94	0.76	0.25	3.41	0.81	0.43	2.84	0.67	0.21
		0.13	0.02		0.21	0.03		0.13	0.02
6QRFYT	2.86	0.26	0.70	3.22	0.08	0.50	2.75	0.21	0.67
		0.04	0.05		0.02	0.04		0.04	0.06
Grand Median	2.81			3.20			2.71		
Median Abs Dev	0.09			0.10			0.11		
Avg Within Lab SD	0.07			0.08			0.08		
Labs Included	9			9			9		
Labs Reporting	9			9			9		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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									
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
6LYFJD	3.05	0.97	0.14	3.54	1.25	0.01	2.94	0.64	0.15
		0.16	0.01		0.26	0.00		0.12	0.01
P4A2NU	3.04	0.91	0.37	3.53	1.19	0.07	2.92	0.53	0.08
		0.15	0.02		0.25	0.01		0.10	0.00
NLDBVL	2.99	0.58	0.16	3.46	0.86	0.22	2.87	0.28	0.09
		0.10	0.01		0.18	0.03		0.05	0.01
CHC7CY	2.98	0.54	0.83	3.46	0.88	0.51	2.83	0.07	0.99
		0.09	0.04		0.18	0.06		0.01	0.06
49HZ39	2.91	0.13	0.79	3.26	-0.10	0.29	2.77	-0.26	0.59
		0.02	0.04		-0.02	0.03		-0.05	0.04
HBXDMV	2.94	0.29	0.89	3.28	0.00	0.74	2.83	0.07	0.90
		0.05	0.04		0.00	0.09		0.01	0.06
9NWXA4	2.89	0.00	0.62	3.29	0.03	0.16	2.82	0.00	0.62
		0.00	0.03		0.01	0.02		0.00	0.04
HEWPJV	2.90	0.07	0.00	3.30	0.10	0.00	2.83	0.07	0.95
		0.01	0.00		0.02	0.00		0.01	0.06
9L8TGW	2.87	-0.11	0.38	3.28	0.00	0.43	2.80	-0.12	0.58
		-0.02	0.02		0.00	0.05		-0.02	0.04
XFBKG8	2.88	-0.03	1.04	3.12	-0.76	0.95	2.56	-1.37	2.60
		-0.01	0.05		-0.16	0.11		-0.26	0.16
NMAR8J	2.77	-0.72	0.64	3.16	-0.57	0.25	2.68	-0.74	0.19
		-0.12	0.03		-0.12	0.03		-0.14	0.01
BKK2HW	2.93	0.27	3.37	3.17	-0.54	0.97	2.97	0.77	0.95
		0.05	0.15		-0.11	0.12		0.15	0.06
9WRZDZ	2.81	-0.44	0.64	3.19	-0.41	0.21	2.73	-0.45	0.25
		-0.08	0.03		-0.09	0.03		-0.09	0.02
C7JPMX	3.12	1.35	0.46	3.51	1.09	0.08	3.03	1.10	0.16
		0.23	0.02		0.23	0.01		0.21	0.01
F74V9R	2.93	0.26	0.03	3.52	1.15	0.04	2.85	0.13	0.03
		0.04	0.00		0.24	0.00		0.03	0.00
TK6TZ7	2.83	-0.33	0.71	3.25	-0.14	0.22	2.75	-0.34	0.25
		-0.06	0.03		-0.03	0.03		-0.07	0.02
QMYWF9	3.46	3.39		3.62	1.62		3.73	4.75	
		0.57	0.00		0.34	0.00		0.91	0.00
MZ2YRE	2.82	-0.43	0.35	3.21	-0.34	0.10	2.71	-0.58	0.06
		-0.07	0.02		-0.07	0.01		-0.11	0.00
XXEWD4	2.86	-0.15	0.34	3.26	-0.11	0.13	2.78	-0.19	0.34
		-0.03	0.02		-0.02	0.02		-0.04	0.02
ADR88T	2.87	-0.13	0.55	3.28	-0.02	0.05	2.78	-0.22	0.47
		-0.02	0.03		0.00	0.01		-0.04	0.03



ALP Program - Participant Web Summary Report - Cycle 27

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
PECGCD	2.80	-0.50	0.46	3.19	-0.44	0.05	2.72	-0.52	0.28
		-0.09	0.02		-0.09	0.01		-0.10	0.02
FKAQUE	3.10	1.23	0.92	3.60	1.54	0.10	3.01	0.98	0.31
		0.21	0.04		0.32	0.01		0.19	0.02
DRWZ3L	2.30	-3.49	2.20	2.90	-1.81	0.84	3.23	2.16	3.42
		-0.59	0.10		-0.38	0.10		0.41	0.21
FFW7K9	2.85	-0.23		3.29	0.05		2.79	-0.15	
		-0.04	0.00		0.01	0.00		-0.03	0.00
JQ9CA8	2.83	-0.33	1.33	2.88	-1.89	4.59	2.75	-0.36	1.08
		-0.06	0.06		-0.40	0.55		-0.07	0.07
Grand Median		2.89			3.28			2.82	
Median Abs Dev		0.06			0.11			0.07	
Avg Within Lab SD		0.05			0.12			0.06	
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		

S- Dry Comb. (SubTestCode 211)	Data units: Percent					
	SRBSRB1504		SRBSRB1505		SRBSRB1506	
F74V9R	0.22	1.00 0.00	0.37	1.00 0.01	0.20	1.00 0.01
Grand Median	0.22		0.37		0.20	
Median Abs Dev						
Avg Within Lab SD	0.00		0.01		0.01	
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		

P (SubTestCode 212)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	0.21	1.66	0.54	0.35	2.05	0.61	0.20	1.54	0.12	
		0.03	0.01		0.06	0.01		0.03	0.00	
		0.07	0.11		0.40	0.04		0.11	0.13	
P4A2NU	0.18	0.00	0.00	0.30	0.01	0.00	0.18	0.00	0.00	
		-0.29	0.37		0.07	0.20		-0.30	0.12	
NLDBVL	0.17	-0.01	0.00	0.29	0.00	0.00	0.17	-0.01	0.00	
		-1.00	0.34		-0.37	1.06		-0.58	0.43	
7ZD6W6	0.16	-0.02	0.00	0.28	-0.01	0.02	0.16	-0.01	0.00	
		0.54	0.00		0.43	0.39		1.31	0.71	
49HZ39	0.19	0.01	0.00	0.30	0.01	0.01	0.20	0.02	0.01	
		-1.07	1.85		-0.96	1.36		-1.12	0.71	
HBXDMV	0.16	-0.02	0.02	0.26	-0.03	0.02	0.15	-0.02	0.01	
		-0.07	0.48		0.10	0.66		0.19	0.50	
9NWXA4	0.18	0.00	0.00	0.29	0.00	0.01	0.18	0.00	0.00	
		-0.71	1.23		-0.54	0.39		-0.37	0.71	
HEWPJV	0.17	-0.01	0.01	0.27	-0.02	0.01	0.17	-0.01	0.01	
		0.36	0.62		-0.32	0.68		0.37	0.00	
ALN6UV	0.19	0.01	0.01	0.28	-0.01	0.01	0.18	0.01	0.00	
		0.36	0.62		0.21	0.79		0.00	0.71	
XFBKG8	0.19	0.01	0.01	0.30	0.01	0.01	0.17	0.00	0.01	
		0.00	1.07		-0.32	0.68		-0.19	1.24	
NMAR8J	0.18	0.00	0.01	0.28	-0.01	0.01	0.17	0.00	0.01	
		-0.36	1.63		-0.32	1.18		-0.37	1.43	
BKK2HW	0.17	-0.01	0.02	0.28	-0.01	0.02	0.17	-0.01	0.01	
		-0.55	0.22		-0.37	0.10		-0.39	0.19	
9WRZDZ	0.17	-0.01	0.00	0.28	-0.01	0.00	0.17	-0.01	0.00	
		0.00	0.00		0.00	1.80		0.94	2.47	
C7JPMX	0.18	0.00	0.00	0.29	0.00	0.03	0.19	0.02	0.02	
		2.12	0.44		2.22	1.03		1.20	0.02	
F74V9R	0.22	0.04	0.00	0.36	0.07	0.02	0.19	0.02	0.00	
		0.00	0.00		0.21	0.39		0.19	0.71	
TK6TZ7	0.18	0.00	0.00	0.30	0.01	0.01	0.18	0.00	0.01	
		-0.62	1.11		-0.32	1.18		-0.37	0.71	
Y82F73	0.17	-0.01	0.01	0.28	-0.01	0.02	0.17	-0.01	0.01	
		-0.59	0.11		-0.19	0.25		-0.13	0.25	
MZ2YRE	0.17	-0.01	0.00	0.28	-0.01	0.00	0.17	0.00	0.00	
		-1.28	0.11		-1.24	0.14		-1.03	0.21	
ADR88T	0.16	-0.02	0.00	0.25	-0.04	0.00	0.16	-0.02	0.00	
		0.00	0.00		-0.11	0.39		-0.37	0.71	
PECGCD	0.18	0.00	0.00	0.29	0.00	0.01	0.17	-0.01	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		
NDHCHE	0.16	-1.07	1.07	0.26	-0.86	1.04	0.16	-0.94	0.71
		-0.02	0.01		-0.03	0.02		-0.02	0.01
FKAQUE	0.19	0.43	0.23	0.32	0.84	0.31	0.19	0.75	0.30
		0.01	0.00		0.03	0.00		0.01	0.00
NJAJ39	0.19	0.30	0.69	0.29	-0.03	0.82	0.17	-0.04	1.00
		0.01	0.01		0.00	0.01		0.00	0.01
	0.16	-1.18	0.18	0.27	-0.57	0.63	0.17	-0.30	0.25
		-0.02	0.00		-0.02	0.01		-0.01	0.00
ATNL8M	0.19	0.29	0.16	0.30	0.35	0.25	0.18	0.34	0.47
		0.01	0.00		0.01	0.00		0.01	0.00
DRWZ3L	0.23	2.50	3.26	0.39	3.21	1.80	0.23	2.99	1.89
		0.05	0.03		0.10	0.03		0.05	0.02
2QNLRX	0.27	4.99	0.48	0.41	3.81	0.92	0.24	3.70	0.29
		0.09	0.00		0.12	0.01		0.07	0.00
6QRFYT	0.17	-0.54		0.30	0.32		0.19	0.94	
		-0.01	0.00		0.01	0.00		0.02	0.00
FFW7K9	0.20	0.91		0.32	0.90		0.19	0.88	
		0.02	0.00		0.03	0.00		0.02	0.00
JQ9CA8	0.19	0.71	2.22	0.34	1.71	3.21	0.20	1.31	3.11
		0.01	0.02		0.05	0.05		0.02	0.03
Grand Median		0.18			0.29			0.17	
Median Abs Dev		0.01			0.01			0.01	
Avg Within Lab SD		0.01			0.01			0.01	
Labs Included		29			29			29	
Labs Reporting		29			29			29	



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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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	2.57	1.37	0.64	1.25	1.28	0.53	1.49	1.13	0.02	
		0.39	0.05		0.17	0.03		0.19	0.00	
P4A2NU	2.30	0.40	0.19	1.15	0.52	0.20	1.34	0.24	0.09	
		0.11	0.02		0.07	0.01		0.04	0.01	
NLDBVL	2.18	-0.01	0.12	1.16	0.57	0.88	1.30	0.04	0.39	
		0.00	0.01		0.08	0.05		0.01	0.02	
7ZD6W6	1.77	-1.44	0.21	1.05	-0.23	1.19	1.12	-1.02	0.35	
		-0.41	0.02		-0.03	0.07		-0.17	0.02	
49HZ39	2.16	-0.08	0.21	1.14	0.45	0.18	1.35	0.30	0.26	
		-0.02	0.02		0.06	0.01		0.05	0.02	
HBXDMV	2.16	-0.08	1.67	1.06	-0.11	0.56	1.23	-0.37	0.98	
		-0.02	0.14		-0.02	0.03		-0.06	0.06	
9NWXA4	2.21	0.09	0.48	1.02	-0.43	0.35	1.22	-0.47	0.10	
		0.03	0.04		-0.06	0.02		-0.08	0.01	
HEWPJV	1.95	-0.80	0.18	1.01	-0.52	0.27	1.20	-0.55	0.10	
		-0.23	0.02		-0.07	0.02		-0.09	0.01	
ALN6UV	2.05	-0.46	1.43	1.01	-0.48	1.47	1.23	-0.39	2.37	
		-0.13	0.12		-0.07	0.08		-0.07	0.14	
XFBKG8	2.21	0.11	0.66	1.10	0.18	0.56	1.29	-0.04	0.61	
		0.03	0.06		0.03	0.03		-0.01	0.04	
NMAR8J	2.30	0.43	0.68	1.15	0.50	0.27	1.35	0.30	0.60	
		0.12	0.06		0.07	0.02		0.05	0.04	
BKK2HW	1.83	-1.22	1.82	0.96	-0.89	0.44	1.20	-0.57	0.00	
		-0.35	0.15		-0.12	0.03		-0.10	0.00	
9WRZDZ	2.18	0.01	0.60	1.10	0.13	0.20	1.33	0.20	0.17	
		0.00	0.05		0.02	0.01		0.03	0.01	
C7JPMX	2.21	0.11	0.07	1.08	-0.01	1.75	1.39	0.57	2.68	
		0.03	0.01		0.00	0.10		0.10	0.16	
F74V9R	2.68	1.75	0.53	1.34	1.91	0.96	1.48	1.11	0.13	
		0.50	0.04		0.26	0.06		0.19	0.01	
TK6TZ7	2.07	-0.39	0.24	1.03	-0.35	0.18	1.22	-0.47	0.35	
		-0.11	0.02		-0.05	0.01		-0.08	0.02	
Y82F73	2.15	-0.10	1.07	1.01	-0.50	1.95	1.23	-0.37	1.63	
		-0.03	0.09		-0.07	0.11		-0.06	0.10	
MZ2YRE	2.30	0.42	0.04	1.15	0.52	0.02	1.39	0.53	0.05	
		0.12	0.00		0.07	0.00		0.09	0.00	
ADR88T	1.88	-1.05	0.12	0.86	-1.58	0.12	1.07	-1.33	0.22	
		-0.30	0.01		-0.22	0.01		-0.23	0.01	
PECGCD	2.04	-0.50	0.43	0.97	-0.79	0.30	1.16	-0.83	0.69	
		-0.14	0.04		-0.11	0.02		-0.14	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
NDHCHE	2.07	-0.40	1.82	1.06	-0.11	1.11	1.23	-0.37	0.98
		-0.12	0.15		-0.02	0.06		-0.06	0.06
FKAQUE	2.20	0.08	0.57	1.15	0.56	0.13	1.38	0.48	0.41
		0.02	0.05		0.08	0.01		0.08	0.02
NJAJ39	2.26	0.29	0.76	1.08	0.01	0.98	1.30	0.04	1.02
		0.08	0.06		0.00	0.06		0.01	0.06
	2.01	-0.61	0.45	1.06	-0.16	0.73	1.26	-0.24	0.26
		-0.18	0.04		-0.02	0.04		-0.04	0.02
ATNL8M	2.28	0.33	0.60	1.18	0.72	0.20	1.41	0.67	0.61
		0.10	0.05		0.10	0.01		0.11	0.04
DRWZ3L	1.63	-1.92	1.82	0.93	-1.06	1.34	1.04	-1.52	1.28
		-0.55	0.15		-0.15	0.08		-0.26	0.08
2QNLRX	3.07	3.12	0.66	1.41	2.40	0.40	1.73	2.56	0.29
		0.89	0.06		0.33	0.02		0.43	0.02
6QRFYT	1.83	-1.23		0.94	-1.01		1.06	-1.40	
		-0.35	0.00		-0.14	0.00		-0.24	0.00
FFW7K9	2.40	0.78		1.19	0.82		1.45	0.92	
		0.22	0.00		0.11	0.00		0.16	0.00
JQ9CA8	2.37	0.65	3.10	1.27	1.43	3.39	1.50	1.20	2.73
		0.19	0.26		0.20	0.19		0.20	0.16
Grand Median		2.18			1.08			1.30	
Median Abs Dev		0.12			0.07			0.09	
Avg Within Lab SD		0.08			0.06			0.06	
Labs Included		30			30			30	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Ca (SubTestCode 214)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	3.90	2.02	0.51	2.02	2.23	0.15	1.74	1.48	0.13	
		0.51	0.07		0.25	0.01		0.16	0.01	
P4A2NU	3.46	0.27	0.09	1.85	0.69	0.04	1.61	0.29	0.11	
		0.07	0.01		0.08	0.00		0.03	0.01	
NLDBVL	3.42	0.10	0.82	1.79	0.21	0.89	1.51	-0.63	0.57	
		0.03	0.11		0.02	0.08		-0.07	0.04	
7ZD6W6	2.95	-1.73	0.27	1.74	-0.22	0.76	1.49	-0.80	0.32	
		-0.44	0.04		-0.03	0.07		-0.09	0.03	
49HZ39	3.43	0.17	0.22	1.90	1.12	0.29	1.70	1.10	0.37	
		0.04	0.03		0.13	0.03		0.12	0.03	
HBXDMV	3.36	-0.11	1.62	1.67	-0.86	1.40	1.50	-0.71	1.33	
		-0.03	0.21		-0.10	0.12		-0.08	0.10	
9NWXA4	3.39	0.00	0.27	1.79	0.19	0.23	1.66	0.68	0.32	
		0.00	0.04		0.02	0.02		0.08	0.03	
HEWPJV	3.02	-1.44	0.38	1.62	-1.27	0.29	1.46	-1.13	0.15	
		-0.37	0.05		-0.15	0.03		-0.13	0.01	
ALN6UV	3.44	0.21	1.13	1.78	0.10	1.02	1.63	0.47	1.88	
		0.05	0.15		0.01	0.09		0.05	0.15	
XFBKG8	3.46	0.28	0.50	1.77	0.01	0.61	1.57	-0.11	0.34	
		0.07	0.07		0.00	0.05		-0.01	0.03	
NMAR8J	3.58	0.76	0.68	1.86	0.80	0.31	1.62	0.32	0.39	
		0.19	0.09		0.09	0.03		0.04	0.03	
BKK2HW	3.20	-0.75	0.76	1.77	-0.01	0.68	1.60	0.17	0.00	
		-0.19	0.10		0.00	0.06		0.02	0.00	
C7JPMX	3.26	-0.50	0.22	1.73	-0.36	1.88	1.68	0.89	2.50	
		-0.13	0.03		-0.04	0.16		0.10	0.20	
F74V9R	4.65	4.98	0.44	2.36	5.16	1.14	1.98	3.61	0.24	
		1.26	0.06		0.59	0.10		0.40	0.02	
TK6TZ7	3.32	-0.29	1.10	1.72	-0.42	0.12	1.52	-0.59	0.29	
		-0.07	0.14		-0.05	0.01		-0.07	0.02	
Y82F73	3.34	-0.21	0.84	1.79	0.16	0.64	1.58	-0.02	0.34	
		-0.05	0.11		0.02	0.06		0.00	0.03	
MZ2YRE	3.30	-0.35	0.02	1.73	-0.36	0.03	1.58	0.02	0.19	
		-0.09	0.00		-0.04	0.00		0.00	0.02	
ADR88T	3.13	-1.01	0.05	1.60	-1.48	0.20	1.46	-1.09	0.24	
		-0.26	0.01		-0.17	0.02		-0.12	0.02	
PECGCD	3.43	0.17	1.44	1.72	-0.39	0.58	1.53	-0.47	1.15	
		0.04	0.19		-0.05	0.05		-0.05	0.09	
NDHCHE	3.27	-0.49	1.76	1.70	-0.60	1.17	1.53	-0.44	0.74	
		-0.12	0.23		-0.07	0.10		-0.05	0.06	



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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		
FKAQUE	3.49	0.40	0.50	1.89	1.05	0.26	1.69	0.97	0.15
		0.10	0.07		0.12	0.02		0.11	0.01
NJAJ39	3.39	0.00	0.58	1.68	-0.77	0.81	1.51	-0.62	1.06
		0.00	0.08		-0.09	0.07		-0.07	0.08
	3.22	-0.66	0.32	1.74	-0.22	0.47	1.53	-0.50	0.27
		-0.17	0.04		-0.03	0.04		-0.06	0.02
ATNL8M	3.36	-0.11	1.14	1.74	-0.28	0.80	1.56	-0.17	1.26
		-0.03	0.15		-0.03	0.07		-0.02	0.10
DRWZ3L	2.91	-1.90	1.22	1.75	-0.16	1.24	1.59	0.08	1.35
		-0.48	0.16		-0.02	0.11		0.01	0.11
2QNLRX	3.81	1.67	0.89	1.91	1.24	0.51	1.71	1.17	0.34
		0.42	0.12		0.14	0.04		0.13	0.03
6QRFYT	3.55	0.63		1.77	0.01		1.55	-0.29	
		0.16	0.00		0.00	0.00		-0.03	0.00
FFW7K9	3.57	0.71		1.82	0.45		1.65	0.59	
		0.18	0.00		0.05	0.00		0.07	0.00
JQ9CA8	3.89	1.96	3.17	2.13	3.20	3.65	1.92	3.10	2.93
		0.50	0.42		0.37	0.31		0.34	0.23
Grand Median		3.39			1.77			1.58	
Median Abs Dev		0.11			0.05			0.07	
Avg Within Lab SD		0.13			0.09			0.08	
Labs Included		28			28			28	
Labs Reporting		28			28			28	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	0.73	1.10	0.48	0.36	2.02	0.59	0.41	0.92	0.14	
		0.08	0.01		0.06	0.01		0.03	0.00	
P4A2NU	0.65	-0.06	0.43	0.32	0.56	0.14	0.38	0.18	0.00	
		0.00	0.01		0.02	0.00		0.01	0.00	
NLDBVL	0.68	0.35	0.31	0.31	0.36	0.58	0.37	-0.06	0.09	
		0.03	0.01		0.01	0.01		0.00	0.00	
7ZD6W6	0.59	-0.90	0.23	0.32	0.63	1.32	0.36	-0.41	0.33	
		-0.07	0.01		0.02	0.02		-0.02	0.01	
49HZ39	0.73	1.00	0.47	0.35	1.46	0.38	0.42	1.22	0.33	
		0.07	0.01		0.05	0.01		0.05	0.01	
HBXDMV	0.62	-0.45	1.40	0.27	-0.83	1.01	0.34	-0.95	0.66	
		-0.03	0.03		-0.03	0.02		-0.04	0.01	
9NWXA4	0.68	0.35	0.61	0.30	0.04	0.19	0.38	0.32	0.23	
		0.03	0.02		0.00	0.00		0.01	0.00	
HEWPJV	0.55	-1.45	0.23	0.26	-1.25	0.00	0.33	-1.22	0.33	
		-0.11	0.01		-0.04	0.00		-0.05	0.01	
ALN6UV	0.68	0.32	1.02	0.31	0.21	0.76	0.38	0.32	1.84	
		0.02	0.03		0.01	0.01		0.01	0.03	
XFBKG8	0.67	0.23	0.40	0.31	0.21	0.76	0.37	0.05	0.33	
		0.02	0.01		0.01	0.01		0.00	0.01	
NMAR8J	0.71	0.73	1.99	0.32	0.52	1.01	0.39	0.59	0.88	
		0.05	0.05		0.02	0.02		0.02	0.02	
BKK2HW	0.62	-0.45	1.46	0.29	-0.31	0.66	0.38	0.14	0.33	
		-0.03	0.04		-0.01	0.01		0.01	0.01	
C7JPMX	0.65	-0.04	0.40	0.31	0.21	1.37	0.40	0.77	2.63	
		0.00	0.01		0.01	0.02		0.03	0.05	
F74V9R	0.82	2.22	0.44	0.32	0.59	0.87	0.41	0.91	0.25	
		0.16	0.01		0.02	0.01		0.03	0.00	
TK6TZ7	0.63	-0.36	0.23	0.28	-0.52	0.38	0.34	-0.77	0.33	
		-0.03	0.01		-0.02	0.01		-0.03	0.01	
Y82F73	0.64	-0.16	1.78	0.30	-0.10	0.76	0.37	-0.05	0.57	
		-0.01	0.04		0.00	0.01		0.00	0.01	
MZ2YRE	0.66	0.09	0.06	0.30	0.05	0.31	0.38	0.10	0.14	
		0.01	0.00		0.00	0.00		0.00	0.00	
ADR88T	0.60	-0.70	0.10	0.27	-1.09	0.37	0.34	-0.96	0.32	
		-0.05	0.00		-0.03	0.01		-0.04	0.01	
PECGCD	0.64	-0.18	0.70	0.28	-0.73	0.38	0.34	-0.95	0.33	
		-0.01	0.02		-0.02	0.01		-0.04	0.01	
NDHCHE	0.62	-0.41	1.63	0.28	-0.73	1.01	0.34	-0.77	0.33	
		-0.03	0.04		-0.02	0.02		-0.03	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		
FKAQUE	0.66	0.04	0.21	0.30	-0.04	0.33	0.38	0.12	0.11
		0.00	0.01		0.00	0.00		0.00	0.00
NJAJ39	0.67	0.21	0.51	0.28	-0.50	0.82	0.36	-0.33	0.91
		0.02	0.01		-0.02	0.01		-0.01	0.02
	0.55	-1.37	0.36	0.27	-0.96	0.67	0.35	-0.71	0.09
		-0.10	0.01		-0.03	0.01		-0.03	0.00
ATNL8M	0.63	-0.27	0.95	0.30	-0.15	0.84	0.36	-0.25	0.38
		-0.02	0.02		0.00	0.01		-0.01	0.01
DRWZ3L	0.21	-5.98	0.23	0.17	-4.07	0.66	0.18	-5.11	0.33
		-0.44	0.01		-0.13	0.01		-0.19	0.01
2QNLRX	0.82	2.31	0.25	0.35	1.43	0.33	0.43	1.49	0.29
		0.17	0.01		0.05	0.00		0.06	0.01
		0.23			-0.31			-0.59	
6QRFYT	0.67	0.02	0.00	0.29	-0.01	0.00	0.35	-0.02	0.00
		1.64			1.28			1.80	
FFW7K9	0.77	0.12	0.00	0.34	0.04	0.00	0.44	0.07	0.00
		1.27	3.06		1.77	3.87		1.95	3.73
JQ9CA8	0.75	0.09	0.08	0.36	0.06	0.06	0.44	0.07	0.07
Grand Median		0.65			0.30			0.37	
Median Abs Dev		0.03			0.02			0.02	
Avg Within Lab SD		0.02			0.02			0.02	
Labs Included		28			28			28	
Labs Reporting		28			28			28	



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	0.25	1.79	0.51	0.41	1.95	0.48	0.20	1.50	0.04	
		0.05	0.00		0.07	0.01		0.03	0.00	
P4A2NU	0.20	-0.14	0.12	0.35	0.27	0.03	0.17	-0.20	0.05	
		0.00	0.00		0.01	0.00		0.00	0.00	
NLDBVL	0.22	0.87	0.67	0.34	-0.15	0.37	0.18	0.22	0.51	
		0.02	0.01		-0.01	0.01		0.00	0.01	
7ZD6W6	0.18	-0.62	0.67	0.34	-0.10	0.97	0.17	-0.17	0.00	
		-0.02	0.01		0.00	0.02		0.00	0.00	
49HZ39	0.20	0.00	0.00	0.35	0.08	0.56	0.18	0.33	0.00	
		0.00	0.00		0.00	0.01		0.01	0.00	
HBXDMV	0.20	0.00	2.00	0.33	-0.38	1.28	0.17	-0.33	0.87	
		0.00	0.02		-0.01	0.03		-0.01	0.01	
9NWXA4	0.20	-0.06	0.35	0.33	-0.49	0.75	0.17	-0.07	0.40	
		0.00	0.00		-0.02	0.02		0.00	0.01	
HEWPJV	0.21	0.49	0.67	0.36	0.54	0.28	0.19	0.84	0.00	
		0.01	0.01		0.02	0.01		0.02	0.00	
ALN6UV	0.23	1.24	1.34	0.36	0.36	1.01	0.19	1.00	0.87	
		0.03	0.01		0.01	0.02		0.02	0.01	
XFBKG8	0.20	0.00	1.16	0.32	-0.66	0.84	0.16	-0.84	0.44	
		0.00	0.01		-0.02	0.02		-0.02	0.01	
NMAR8J	0.20	0.12	0.67	0.34	-0.01	0.56	0.17	0.00	0.44	
		0.00	0.01		0.00	0.01		0.00	0.01	
BKK2HW	0.17	-1.11	0.00	0.25	-2.50	0.74	0.15	-1.34	0.44	
		-0.03	0.00		-0.09	0.02		-0.03	0.01	
C7JPMX	0.22	0.74	0.00	0.36	0.36	1.84	0.20	1.34	1.51	
		0.02	0.00		0.01	0.04		0.03	0.02	
F74V9R	0.27	2.50	1.63	0.38	0.99	0.32	0.21	1.65	0.38	
		0.07	0.01		0.04	0.01		0.03	0.01	
TK6TZ7	0.19	-0.37	0.00	0.34	-0.10	0.49	0.17	-0.17	0.00	
		-0.01	0.00		0.00	0.01		0.00	0.00	
Y82F73	0.18	-0.59	0.80	0.34	-0.01	0.56	0.17	-0.20	0.73	
		-0.02	0.01		0.00	0.01		0.00	0.01	
MZ2YRE	0.18	-0.77	0.24	0.33	-0.47	0.17	0.17	-0.33	0.12	
		-0.02	0.00		-0.02	0.00		-0.01	0.00	
ADR88T	0.20	-0.02	0.18	0.31	-0.94	0.11	0.16	-0.45	0.16	
		0.00	0.00		-0.03	0.00		-0.01	0.00	
PECGCD	0.23	0.99	1.77	0.35	0.27	1.40	0.18	0.50	1.15	
		0.03	0.02		0.01	0.03		0.01	0.02	
NDHCHE	0.18	-0.74	1.16	0.27	-1.95	0.74	0.15	-1.34	0.44	
		-0.02	0.01		-0.07	0.02		-0.03	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
FKAQUE	0.21	0.53	0.12	0.39	1.29	0.54	0.19	0.95	0.21
		0.01	0.00		0.05	0.01		0.02	0.00
NJAJ39	0.22	0.79	1.12	0.34	0.00	2.30	0.16	-0.50	3.63
		0.02	0.01		0.00	0.05		-0.01	0.05
	0.19	-0.51	0.18	0.35	0.23	0.41	0.18	0.37	0.12
		-0.01	0.00		0.01	0.01		0.01	0.00
ATNL8M	0.21	0.37	0.23	0.37	0.81	0.27	0.19	0.65	0.35
		0.01	0.00		0.03	0.01		0.01	0.00
DRWZ3L	0.16	-1.36	1.77	0.31	-0.93	0.97	0.15	-1.00	0.87
		-0.04	0.02		-0.03	0.02		-0.02	0.01
2QNLRX	0.31	3.91	0.27	0.48	3.71	0.50	0.24	3.52	0.42
		0.11	0.00		0.13	0.01		0.07	0.01
		1.48			1.45			1.44	
FFW7K9	0.24	0.04	0.00	0.40	0.05	0.00	0.20	0.03	0.00
		0.00	2.31		0.91	2.67		0.50	2.42
JQ9CA8	0.20	0.00	0.02	0.38	0.03	0.06	0.18	0.01	0.03
Grand Median		0.20			0.34			0.17	
Median Abs Dev		0.02			0.02			0.01	
Avg Within Lab SD		0.01			0.02			0.01	
Labs Included		27			27			27	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Na (SubTestCode 217)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	0.054	1.431	0.229	0.035	0.548	0.464	0.033	0.430	0.289	
		0.010	0.002		0.004	0.002		0.003	0.001	
P4A2NU	0.047	0.341	0.172	0.031	0.106	0.000	0.030	0.042	0.386	
		0.002	0.001		0.001	0.000		0.000	0.002	
7ZD6W6	0.040	-0.684	0.000	0.030	-0.088	0.000	0.027	-0.487	1.382	
		-0.005	0.000		-0.001	0.000		-0.003	0.006	
49HZ39	0.050	0.782	0.000	0.040	1.226	0.000	0.037	0.974	1.382	
		0.005	0.000		0.009	0.000		0.007	0.006	
HBXDMV	0.060	2.248	0.000	0.043	1.664	1.601	0.043	1.949	1.382	
		0.015	0.000		0.013	0.006		0.013	0.006	
9NWXA4	0.044	-0.044	0.246	0.029	-0.193	0.173	0.029	-0.122	0.097	
		0.000	0.002		-0.001	0.001		-0.001	0.000	
HEWPJV	0.035	-1.368	0.293	0.023	-1.007	0.277	0.023	-1.072	0.138	
		-0.009	0.002		-0.008	0.001		-0.007	0.001	
XFBKG8	0.053	1.271	0.812	0.040	1.226	0.000	0.033	0.487	1.382	
		0.009	0.006		0.009	0.000		0.003	0.006	
NMAR8J	0.040	-0.684	0.000	0.030	-0.088	0.000	0.030	0.000	0.000	
		-0.005	0.000		-0.001	0.000		0.000	0.000	
BKK2HW	0.045	0.098	0.452	0.033	0.263	0.320	0.033	0.390	0.138	
		0.001	0.003		0.002	0.001		0.003	0.001	
C7JPMX	0.040	-0.684	0.000	0.030	-0.088	0.000	0.030	0.000	0.000	
		-0.005	0.000		-0.001	0.000		0.000	0.000	
F74V9R	0.045	0.051	0.362	0.023	-1.021	0.291	0.022	-1.152	0.206	
		0.000	0.003		-0.008	0.001		-0.008	0.001	
TK6TZ7	0.041	-0.489	0.081	0.027	-0.438	0.160	0.026	-0.633	0.138	
		-0.003	0.001		-0.003	0.001		-0.004	0.001	
Y82F73	0.038	-0.929	4.495	0.060	3.897	3.066	0.062	4.677	2.284	
		-0.006	0.032		0.030	0.011		0.032	0.010	
ADR88T	0.043	-0.244	0.141	0.045	1.883	0.277	0.027	-0.390	0.138	
		-0.002	0.001		0.014	0.001		-0.003	0.001	
FKAQUE	0.044	-0.132	0.034	0.030	-0.079	0.054	0.030	0.001	0.193	
		-0.001	0.000		-0.001	0.000		0.000	0.001	
NJAJ39	0.041	-0.508	0.101	0.027	-0.434	0.231	0.026	-0.580	0.339	
		-0.003	0.001		-0.003	0.001		-0.004	0.001	
	0.039	-0.846	0.381	0.027	-0.477	0.262	0.026	-0.619	0.222	
		-0.006	0.003		-0.004	0.001		-0.004	0.001	
ATNL8M	0.045	0.000	0.081	0.031	0.000	0.160	0.029	-0.097	0.138	
		0.000	0.001		0.000	0.001		-0.001	0.001	
DRWZ3L	0.047	0.293	0.812	0.030	-0.088	2.772	0.027	-0.487	2.764	
		0.002	0.006		-0.001	0.010		-0.003	0.012	



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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		
2QNLRX	0.054	1.310	0.254	0.032	0.175	0.166	0.032	0.292	0.104
		0.009	0.002		0.001	0.001		0.002	0.000
FFW7K9	0.050	0.782		0.032	0.175		0.031	0.146	
		0.005	0.000		0.001	0.000		0.001	0.000
JQ9CA8	0.047	0.293	0.812	0.033	0.350	1.601	0.033	0.487	1.382
		0.002	0.006		0.003	0.006		0.003	0.006
Grand Median		0.045			0.031			0.030	
Median Abs Dev		0.005			0.003			0.003	
Avg Within Lab SD		0.007			0.004			0.004	
Labs Included		23			23			23	
Labs Reporting		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
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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	114.8	0.5	2.2	193.0	0.6	0.8	55.1	0.5	1.0	
		17.9	9.3		33.5	8.1		9.8	7.3	
P4A2NU	113.8	0.5	0.6	206.2	0.9	0.1	60.9	0.8	0.2	
		16.8	2.7		46.7	1.1		15.6	1.6	
7ZD6W6	80.0	-0.5	0.4	136.7	-0.4	1.3	42.9	-0.1	0.3	
		-17.0	1.5		-22.8	12.4		-2.4	2.0	
49HZ39	60.0	-1.0	0.5	92.3	-1.3	0.8	31.7	-0.7	0.2	
		-36.9	2.0		-67.2	8.0		-13.7	1.5	
HEWPJV	60.7	-1.0	1.1	146.3	-0.3	0.3	34.3	-0.6	0.1	
		-36.3	4.7		-13.2	3.1		-11.0	0.6	
XFBKG8	53.4	-1.2	0.2	105.0	-1.1	0.4	28.2	-0.9	0.3	
		-43.5	0.7		-54.5	3.6		-17.1	2.0	
NMAR8J	65.0	-0.9	1.8	121.3	-0.7	1.0	40.7	-0.2	0.2	
		-31.9	7.5		-38.2	10.0		-4.7	1.5	
C7JPMX	112.9	0.4	1.7	175.4	0.3	2.0	55.3	0.5	0.8	
		16.0	7.1		15.9	19.3		10.0	5.9	
F74V9R	165.3	1.9	0.8	261.1	2.0	0.5	90.1	2.3	0.4	
		68.3	3.3		101.7	4.6		44.7	3.1	
Y82F73	104.3	0.2	0.4	183.0	0.5	1.4	57.3	0.6	1.6	
		7.4	1.5		23.5	13.9		12.0	11.9	
ADR88T	84.3	-0.3	0.3	143.2	-0.3	0.1	43.7	-0.1	0.1	
		-12.6	1.3		-16.3	0.9		-1.6	0.9	
FKAQUE	135.0	1.1	0.3	217.5	1.1	2.0	88.3	2.2	1.0	
		38.1	1.3		58.0	19.5		42.9	7.5	
NJAJ39	96.9	0.0	0.4	151.7	-0.2	1.0	45.8	0.0	0.3	
		0.0	1.8		-7.8	9.6		0.5	2.2	
	92.5	-0.1	0.3	134.3	-0.5	0.3	42.4	-0.2	0.1	
		-4.5	1.2		-25.2	3.1		-3.0	0.5	
ATNL8M	108.7	0.3	0.6	182.0	0.4	0.5	55.3	0.5	0.3	
		11.7	2.5		22.5	5.0		10.0	2.5	
DRWZ3L	51.1	-1.3	0.8	96.2	-1.2	0.7	25.1	-1.0	0.3	
		-45.8	3.2		-63.3	7.2		-20.2	1.9	
2QNLRX	137.3	1.1	0.6	210.0	1.0	0.7	66.8	1.1	0.1	
		40.4	2.5		50.5	7.2		21.5	1.0	
FFW7K9	83.0	-0.4		162.3	0.1		36.1	-0.5		
		-13.9	0.0		2.8	0.0		-9.2	0.0	
JQ9CA8	100.9	0.1	1.9	159.5	0.0	1.5	45.3	0.0	3.6	
		3.9	7.9		0.0	15.0		0.0	25.9	



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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		
Grand Median		96.9		159.5			45.3		
Median Abs Dev		17.0		25.2			10.0		
Avg Within Lab SD		4.2		9.8			7.3		
Labs Included		19		19			19		
Labs Reporting		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
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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	53.1	0.8	0.2	73.8	1.4	0.3	167.1	1.4	0.4	
		5.7	1.2		10.9	1.3		23.4	3.2	
NLDBVL	44.7	-0.4	0.1	62.5	-0.1	0.2	128.2	-1.0	0.2	
		-2.7	0.7		-0.4	1.1		-15.5	2.1	
7ZD6W6	47.3	0.0	0.1	61.8	-0.1	0.3	147.1	0.2	0.1	
		-0.1	0.6		-1.1	1.6		3.5	1.1	
49HZ39	52.3	0.7	0.2	65.3	0.3	0.1	143.7	0.0	0.4	
		5.0	1.2		2.4	0.6		0.0	3.2	
HBXDMV	43.2	-0.6	0.4	57.0	-0.7	0.2	131.6	-0.7	0.7	
		-4.2	2.3		-5.9	1.0		-12.1	5.8	
9NWXA4	50.4	0.4	0.3	69.2	0.8	0.4	151.7	0.5	0.2	
		3.0	1.8		6.3	1.9		8.0	2.1	
HEWPJV	40.0	-1.1		57.0	-0.7	0.2	132.3	-0.7	0.3	
		-7.4	0.0		-5.9	1.0		-11.3	2.5	
ALN6UV	53.5	0.9	0.6	68.4	0.7	0.2	142.0	-0.1	0.8	
		6.1	3.2		5.5	0.9		-1.7	6.6	
XFBKG8	30.5	-2.5	0.1	39.4	-3.0	0.3	86.3	-3.5	0.2	
		-16.8	0.8		-23.6	1.8		-57.3	1.5	
NMAR8J	50.7	0.5	0.1	67.0	0.5	0.4	153.0	0.6	1.2	
		3.3	0.6		4.1	2.0		9.3	10.1	
BKK2HW	37.0	-1.5	0.3	52.3	-1.3	0.2	130.0	-0.8		
		-10.4	1.7		-10.6	1.2		-13.7	0.0	
C7JPMX	46.5	-0.1	0.1	62.5	-0.1	1.1	149.7	0.4	1.8	
		-0.9	0.3		-0.4	5.9		6.1	15.0	
F74V9R	47.7	0.1	0.3	67.5	0.6	0.1	139.6	-0.2	0.3	
		0.4	1.5		4.6	0.6		-4.0	2.4	
Y82F73	60.0	1.9	4.8	70.7	1.0	4.5	146.3	0.2	3.6	
		12.6	25.4		7.7	23.1		2.7	31.0	
MZ2YRE	44.6	-0.4	0.1	60.5	-0.3	0.1	139.8	-0.2	0.1	
		-2.8	0.4		-2.5	0.4		-3.9	0.8	
ADR88T	48.9	0.2	0.0	66.1	0.4	0.2	153.9	0.6	0.4	
		1.5	0.2		3.1	0.9		10.2	3.2	
PECGCD	44.8	-0.4	0.7	58.3	-0.6	0.7	130.0	-0.8	1.0	
		-2.6	3.9		-4.7	3.8		-13.7	8.2	
NDHCHE	45.3	-0.3	0.8	62.4	-0.1	1.3	140.0	-0.2	0.5	
		-2.0	4.2		-0.6	6.5		-3.7	4.6	
FKAQUE	48.4	0.2	0.1	68.2	0.7	0.1	152.7	0.6	0.2	
		1.0	0.4		5.3	0.6		9.0	1.6	
NJAJ39	47.9	0.1	0.2	62.3	-0.1	0.5	142.7	-0.1	0.6	
		0.6	1.1		-0.6	2.8		-1.0	4.9	



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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		
	47.4	0.0	0.1	65.5	0.3	0.1	145.0	0.1	0.5
		0.0	0.4		2.5	0.5		1.3	4.6
ATNL8M	44.3	-0.5	0.6	62.9	0.0	0.9	147.0	0.2	1.8
		-3.1	3.3		0.0	4.7		3.3	14.9
DRWZ3L	35.2	-1.8	0.9	54.3	-1.1	0.8	121.9	-1.3	1.0
		-12.1	4.7		-8.6	4.2		-21.7	8.4
2QNLRX	57.7	1.5	0.5	76.1	1.7	0.4	169.0	1.6	0.2
		10.3	2.6		13.2	1.9		25.3	1.7
6QRFYT	45.4	-0.3		60.8	-0.3		132.3	-0.7	
		-2.0	0.0		-2.1	0.0		-11.4	0.0
FFW7K9	48.3	0.1		63.7	0.1		144.6	0.1	
		0.9	0.0		0.7	0.0		0.9	0.0
JQ9CA8	53.8	0.9	0.5	73.9	1.4	0.6	165.5	1.3	1.2
		6.4	2.6		11.0	2.9		21.9	10.5
Grand Median		47.4			62.9			143.7	
Median Abs Dev		3.0			4.6			9.0	
Avg Within Lab SD		5.3			5.1			8.5	
Labs Included		27			27			27	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Zn (SubTestCode 220) Data units: mg/kg									
	SRBSRB1504			SRBSRB1505			SRBSRB1506		
6LYFJD	81.9	0.4	0.4	317.7	2.0	0.5	62.0	1.9	0.3
		10.6	1.3		61.2	6.8		11.2	0.8
P4A2NU	71.0	0.0	0.0	256.5	0.0	0.2	49.6	-0.2	0.1
		-0.3	0.0		0.0	3.3		-1.2	0.2
NLDBVL	66.0	-0.2	0.9	229.1	-0.9	0.5	49.0	-0.3	
		-5.3	2.6		-27.4	6.3		-1.8	0.0
7ZD6W6	69.0	-0.1	0.3	266.3	0.3	0.5	52.7	0.3	0.0
		-2.3	1.0		9.8	6.6		1.9	0.1
49HZ39	80.3	0.4	0.4	283.0	0.9	0.3	69.3	3.1	0.8
		9.0	1.2		26.5	3.6		18.5	2.3
HBXDMV	65.2	-0.2	2.1	227.1	-1.0	0.1	48.6	-0.4	0.4
		-6.1	6.4		-29.4	0.9		-2.2	1.2
9NWXA4	65.7	-0.2	0.4	245.7	-0.4	0.1	51.2	0.1	0.4
		-5.6	1.3		-10.8	1.5		0.4	1.1
HEWPJV	68.0	-0.1	0.3	254.0	-0.1	0.5	50.3	-0.1	0.2
		-3.3	1.0		-2.5	7.0		-0.5	0.6
ALN6UV	74.9	0.1	0.6	197.0	-2.0	0.3	51.0	0.0	0.9
		3.6	1.9		-59.5	4.6		0.2	2.7
XFBKG8	77.5	0.2	0.7	276.3	0.7	0.8	55.4	0.8	0.3
		6.2	2.3		19.9	11.2		4.6	0.8
NMAR8J	74.0	0.1	0.3	290.0	1.1	0.3	50.7	0.0	0.7
		2.7	1.0		33.5	3.6		-0.1	2.1
BKK2HW	62.7	-0.3	1.1	233.3	-0.8	0.9	48.0	-0.5	0.9
		-8.6	3.5		-23.1	11.5		-2.8	2.6
C7JPMX	75.5	0.2	0.2	258.1	0.1	1.8	57.5	1.1	2.4
		4.2	0.6		1.6	23.7		6.7	6.9
F74V9R	99.0	1.1	0.5	356.0	3.3	0.1	67.0	2.7	0.3
		27.7	1.6		99.5	1.8		16.2	1.0
TK6TZ7	70.0	-0.1	0.6	251.0	-0.2	0.4	50.7	0.0	0.8
		-1.3	2.0		-5.5	5.2		-0.1	2.3
Y82F73	81.7	0.4	1.9	284.0	0.9	0.8	60.7	1.7	0.9
		10.4	6.0		27.5	10.5		9.9	2.5
MZ2YRE	68.3	-0.1	0.1	254.7	-0.1	0.3	51.2	0.1	0.1
		-3.0	0.3		-1.8	3.7		0.4	0.3
ADR88T	61.7	-0.4	0.2	225.1	-1.0	0.2	44.8	-1.0	0.1
		-9.6	0.7		-31.4	3.1		-6.0	0.3
PECGCD	71.3	0.0	0.7	250.7	-0.2	0.4	49.9	-0.2	0.7
		0.0	2.3		-5.8	4.9		-0.9	1.9
NDHCHE	77.5	0.2	1.2	258.7	0.1	3.5	56.7	1.0	3.2
		6.2	3.8		2.2	46.8		5.9	9.2



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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		
FKAQUE	72.3	0.0	0.3	266.4	0.3	0.5	52.4	0.3	0.4
		1.0	0.8		9.9	7.1		1.6	1.1
NJAJ39	69.4	-0.1	0.8	231.7	-0.8	1.0	46.6	-0.7	0.6
		-1.9	2.5		-24.8	13.6		-4.2	1.8
	64.9	-0.3	0.8	230.7	-0.9	0.5	46.8	-0.7	0.3
		-6.4	2.4		-25.8	6.5		-4.0	0.9
ATNL8M	67.6	-0.1	0.3	251.3	-0.2	0.3	48.9	-0.3	0.6
		-3.7	1.0		-5.1	4.5		-1.9	1.9
DRWZ3L	62.0	-0.4	2.5	262.9	0.2	1.4	50.7	0.0	1.1
		-9.3	7.8		6.4	19.0		-0.1	3.1
2QNLRX	77.3	0.2	0.3	256.3	0.0	0.6	53.0	0.4	0.1
		6.0	0.8		-0.1	7.6		2.2	0.4
6QRFYT	71.6	0.0		264.9	0.3		50.8	0.0	
		0.3	0.0		8.4	0.0		0.0	0.0
FFW7K9	403.6	13.2		257.2	0.0		48.2	-0.4	
		332.3	0.0		0.8	0.0		-2.6	0.0
JQ9CA8	77.2	0.2	2.6	286.0	1.0	2.4	58.2	1.3	2.4
		5.9	8.0		29.5	32.4		7.4	7.1
Grand Median		71.3			256.5			50.8	
Median Abs Dev		5.6			10.8			2.2	
Avg Within Lab SD		3.1			13.4			2.9	
Labs Included		29			29			29	
Labs Reporting		29			29			29	



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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 221)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	119.7	1.5	0.6	135.7	1.6	0.4	51.3	0.5	0.3	
		18.7	2.6		20.3	2.5		4.6	0.7	
P4A2NU	109.5	0.7	0.1	122.6	0.6	0.2	49.3	0.3	0.2	
		8.5	0.6		7.3	1.1		2.6	0.6	
NLDBVL	98.3	-0.2	0.7	112.3	-0.2	0.8	45.7	-0.1	0.2	
		-2.7	3.2		-3.0	4.9		-1.0	0.6	
7ZD6W6	91.6	-0.7	0.2	101.7	-1.0	1.0	42.9	-0.4	0.2	
		-9.4	0.7		-13.7	6.4		-3.7	0.7	
49HZ39	113.0	0.9		123.0	0.6	0.3	54.7	0.9	0.2	
		12.0	0.0		7.7	2.0		8.0	0.6	
HBXDMV	91.7	-0.7	0.3	104.7	-0.8	0.1	44.2	-0.3	0.5	
		-9.3	1.5		-10.7	0.6		-2.4	1.4	
9NWXA4	89.0	-0.9	1.6	96.9	-1.4	0.5	29.8	-2.0	0.3	
		-12.0	7.0		-18.4	3.2		-16.8	0.9	
HEWPJV	85.7	-1.2	0.3	99.0	-1.2	0.2	40.0	-0.8		
		-15.3	1.5		-16.3	1.0		-6.7	0.0	
ALN6UV	107.7	0.5	0.5	118.0	0.2	1.0	48.1	0.2	1.6	
		6.7	2.3		2.7	6.1		1.4	4.2	
XFBKG8	106.7	0.4	1.1	114.7	-0.1	0.6	46.7	0.0	0.4	
		5.7	4.6		-0.7	3.8		0.0	1.1	
NMAR8J	105.7	0.4	0.5	121.3	0.5	0.4	48.0	0.2	0.4	
		4.7	2.1		6.0	2.3		1.3	1.0	
BKK2HW	98.3	-0.2	0.7	110.0	-0.4		46.7	0.0	0.2	
		-2.7	2.9		-5.3	0.0		0.0	0.6	
C7JPMX	100.3	-0.1	0.1	110.1	-0.4	1.9	50.5	0.5	2.0	
		-0.7	0.2		-5.3	11.6		3.9	5.3	
F74V9R	144.6	3.4	0.5	160.0	3.4	0.6	60.3	1.6	0.3	
		43.6	2.0		44.7	4.0		13.6	0.8	
TK6TZ7	100.3	-0.1	0.1	114.3	-0.1	0.2	45.0	-0.2	0.4	
		-0.7	0.6		-1.0	1.5		-1.7	1.0	
Y82F73	101.0	0.0	2.4	111.0	-0.3	1.9	45.7	-0.1	1.8	
		0.0	10.4		-4.3	11.5		-1.0	4.9	
MZ2YRE	103.8	0.2	0.1	117.5	0.2	0.4	49.6	0.3	0.2	
		2.8	0.2		2.2	2.5		2.9	0.6	
ADR88T	94.4	-0.5	0.1	104.7	-0.8	0.1	42.8	-0.5	0.1	
		-6.6	0.6		-10.7	0.7		-3.9	0.2	
PECGCD	100.2	-0.1	0.8	106.7	-0.7	0.3	43.3	-0.4	1.1	
		-0.8	3.4		-8.7	2.1		-3.4	2.9	
NDHCHE	98.1	-0.2	1.4	110.3	-0.4	1.2	44.4	-0.3	0.4	
		-2.9	6.1		-5.0	7.2		-2.3	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
FKAQUE	107.9	0.5	0.3	122.5	0.5	0.3	50.0	0.4	0.3
		6.9	1.4		7.2	2.0		3.3	0.9
NJAJ39	105.7	0.4	0.7	110.7	-0.4	0.8	44.6	-0.2	0.6
		4.7	3.2		-4.7	4.7		-2.0	1.7
	98.4	-0.2	0.4	115.3	0.0	0.4	48.4	0.2	0.0
		-2.6	1.6		0.0	2.5		1.7	0.1
ATNL8M	100.4	0.0	0.7	116.0	0.1	0.4	45.8	-0.1	0.2
		-0.6	3.1		0.7	2.6		-0.9	0.5
DRWZ3L	91.4	-0.8	2.3	116.5	0.1	1.2	46.2	-0.1	1.1
		-9.6	10.2		1.2	7.1		-0.5	2.9
2QNLRX	131.3	2.4	0.3	136.3	1.6	0.2	56.0	1.1	0.2
		30.3	1.5		21.0	1.2		9.4	0.5
6QRFYT	104.8	0.3		115.5	0.0		104.8	6.8	
		3.8	0.0		0.2	0.0		58.1	0.0
FFW7K9	109.4	0.7		119.9	0.3		45.6	-0.1	
		8.4	0.0		4.6	0.0		-1.1	0.0
JQ9CA8	117.1	1.3	2.8	138.5	1.8	3.7	54.8	1.0	3.8
		16.1	12.4		23.1	22.4		8.1	10.2
Grand Median		101.0		115.3			46.7		
Median Abs Dev		6.6		5.3			2.6		
Avg Within Lab SD		4.4		6.1			2.7		
Labs Included		29		29			29		
Labs Reporting		29		29			29		



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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 222)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	165.5	0.8	0.7	253.0	1.1	0.4	80.5	0.2	0.5	
		17.5	4.1		40.3	5.0		2.9	2.0	
P4A2NU	156.9	0.4	0.2	234.4	0.6	0.1	78.9	0.1	0.1	
		8.9	1.1		21.7	1.1		1.3	0.6	
NLDBVL	154.9	0.3	0.8	249.7	1.0	0.7	107.1	2.2	0.3	
		6.9	4.4		37.0	9.1		29.6	1.4	
7ZD6W6	133.6	-0.6	0.5	200.6	-0.3	0.8	67.8	-0.7	0.2	
		-14.4	2.8		-12.1	10.5		-9.7	0.7	
49HZ39	137.7	-0.4	0.2	173.0	-1.1	0.3	78.7	0.1	1.3	
		-10.3	1.2		-39.7	4.6		1.1	5.7	
HBXDMV	162.0	0.6	0.2	212.7	0.0	1.8	76.7	-0.1	0.5	
		14.0	1.0		0.0	23.7		-0.9	2.3	
9NWXA4	128.3	-0.8	1.6	193.7	-0.5	0.2	64.3	-1.0	0.9	
		-19.7	9.3		-19.0	2.5		-13.3	4.0	
HEWPJV	136.3	-0.5	0.8	207.7	-0.1	0.8	71.7	-0.4	0.1	
		-11.7	4.5		-5.0	10.7		-5.9	0.6	
ALN6UV	164.0	0.7	0.6	223.7	0.3	0.6	82.7	0.4	0.8	
		16.0	3.6		11.0	8.0		5.1	3.4	
XFBKG8	126.3	-0.9	0.7	204.7	-0.2	0.5	72.8	-0.3	1.0	
		-21.7	3.8		-8.0	6.1		-4.7	4.1	
NMAR8J	119.3	-1.2	1.5	167.0	-1.3	0.2	60.0	-1.3	0.6	
		-28.7	8.4		-45.7	2.6		-17.6	2.6	
BKK2HW	113.3	-1.5	1.0	173.3	-1.1	0.9	62.3	-1.1	0.9	
		-34.7	5.8		-39.3	11.5		-15.2	3.8	
C7JPMX	161.8	0.6	0.4	226.1	0.4	1.5	85.1	0.5	2.4	
		13.8	2.3		13.5	20.5		7.5	10.4	
F74V9R	200.3	2.3	0.9	302.8	2.5	1.4	97.4	1.4	0.8	
		52.3	5.2		90.2	18.1		19.8	3.5	
TK6TZ7	156.0	0.3	0.2	220.7	0.2	0.3	81.7	0.3	0.9	
		8.0	1.0		8.0	4.0		4.1	4.0	
Y82F73	152.0	0.2	0.6	225.3	0.4	0.4	87.3	0.7	0.9	
		4.0	3.5		12.7	5.9		9.8	4.0	
MZ2YRE	142.3	-0.2	0.7	202.6	-0.3	0.3	77.6	0.0	0.1	
		-5.7	4.0		-10.0	3.9		0.0	0.5	
ADR88T	134.6	-0.6	0.1	194.6	-0.5	0.1	70.7	-0.5	0.2	
		-13.4	0.7		-18.1	1.1		-6.8	0.7	
PECGCD	145.0	-0.1	1.4	193.0	-0.6	0.2	71.4	-0.4	1.1	
		-3.0	7.8		-19.7	2.6		-6.1	4.6	
NDHCHE	146.7	-0.1	1.4	235.3	0.6	3.3	78.8	0.1	1.2	
		-1.3	8.3		22.7	43.7		1.2	5.3	



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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
FKAQUE	172.3	1.0	0.2	255.3	1.2	0.8	91.9	1.1	0.6
		24.3	0.9		42.6	10.2		14.4	2.5
NJAJ39	144.7	-0.1	0.4	179.0	-0.9	1.3	61.8	-1.2	3.0
		-3.3	2.5		-33.7	17.6		-15.8	12.8
	122.7	-1.1	0.1	187.0	-0.7	0.2	69.1	-0.6	0.2
		-25.3	0.6		-25.7	2.6		-8.4	1.0
ATNL8M	148.0	0.0	1.1	227.7	0.4	1.3	75.9	-0.1	0.5
		0.0	6.2		15.0	17.6		-1.6	2.1
DRWZ3L	130.4	-0.8	2.9	203.5	-0.3	0.9	68.0	-0.7	1.1
		-17.6	16.9		-9.1	11.6		-9.5	4.5
2QNLRX	186.0	1.6	0.6	245.0	0.9	0.4	89.7	0.9	0.1
		38.0	3.6		32.3	5.6		12.1	0.6
6QRFYT	164.0	0.7		235.1	0.6		85.8	0.6	
		16.0	0.0		22.4	0.0		8.2	0.0
FFW7K9	148.4	0.0		192.0	-0.6		56.8	-1.5	
		0.4	0.0		-20.7	0.0		-20.7	0.0
JQ9CA8	171.4	1.0	2.0	236.5	0.7	1.4	91.9	1.1	1.2
		23.4	11.6		23.9	18.0		14.4	5.1
Grand Median		148.0			212.7			77.6	
Median Abs Dev		14.0			20.7			8.2	
Avg Within Lab SD		5.7			13.3			4.3	
Labs Included		29			29			29	
Labs Reporting		29			29			29	



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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 223)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
6LYFJD	18.0	0.8	0.6	90.1	1.8	1.3	17.3	0.5	0.0	
		1.9	0.5		16.9	4.7		1.0	0.0	
P4A2NU	16.8	0.3	0.4	76.0	0.3	0.0	15.7	-0.3	0.1	
		0.8	0.3		2.8	0.0		-0.5	0.1	
NLDBVL	14.7	-0.6	0.2	68.5	-0.5	0.4	16.5	0.1	0.4	
		-1.4	0.2		-4.7	1.3		0.2	0.3	
7ZD6W6	15.2	-0.4	0.6	66.5	-0.7	0.5	16.5	0.1	1.0	
		-0.9	0.4		-6.7	1.7		0.2	0.8	
49HZ39	19.0	1.3	1.3	77.0	0.4	1.5	20.0	1.9	1.2	
		2.9	1.0		3.8	5.3		3.7	1.0	
HBXDMV	13.0	-1.3	1.3	64.9	-0.9	1.2	13.7	-1.3	0.6	
		-3.1	1.0		-8.3	4.3		-2.6	0.5	
9NWXA4	14.4	-0.7	1.2	72.7	0.0	0.2	16.2	0.0	0.2	
		-1.6	0.9		-0.5	0.7		-0.1	0.2	
HEWPJV	14.0	-0.9		66.7	-0.7	0.6	14.0	-1.1		
		-2.1	0.0		-6.5	2.1		-2.3	0.0	
ALN6UV	23.0	3.0	1.0	68.6	-0.5	1.3	19.1	1.4	2.0	
		6.9	0.8		-4.6	4.7		2.8	1.7	
XFBKG8	18.5	1.0	0.3	78.7	0.6	0.7	17.8	0.8	0.2	
		2.4	0.2		5.5	2.4		1.5	0.2	
NMAR8J	15.7	-0.2	0.8	83.7	1.1	0.4	16.3	0.0	0.7	
		-0.4	0.6		10.5	1.5		0.1	0.6	
BKK2HW	16.0	0.0	1.3	68.7	-0.5	0.6	16.0	-0.1	1.2	
		-0.1	1.0		-4.5	2.1		-0.3	1.0	
C7JPMX	16.5	0.2	0.3	76.3	0.3	2.2	17.4	0.6	2.5	
		0.4	0.2		3.1	7.5		1.1	2.1	
F74V9R	19.8	1.6	0.1	103.4	3.2	0.8	20.2	2.0	0.4	
		3.8	0.1		30.2	2.7		3.9	0.4	
TK6TZ7	16.7	0.3	0.8	71.7	-0.2	0.3	15.3	-0.5	0.7	
		0.6	0.6		-1.5	1.2		-1.0	0.6	
Y82F73	15.3	-0.3	0.8	76.0	0.3	0.3	16.3	0.0	1.8	
		-0.7	0.6		2.8	1.0		0.1	1.5	
MZ2YRE	17.4	0.6	0.4	75.7	0.3	0.1	16.8	0.2	0.1	
		1.4	0.3		2.5	0.4		0.5	0.1	
ADR88T	14.5	-0.7	0.3	67.3	-0.6	0.1	14.2	-1.0	0.0	
		-1.5	0.2		-5.9	0.5		-2.1	0.0	
PECGCD	15.1	-0.4	2.0	65.2	-0.8	0.6	14.3	-1.0	2.2	
		-1.0	1.5		-8.0	2.1		-2.0	1.8	
NDHCHE	16.1	0.0	1.3	74.4	0.1	1.7	15.6	-0.4	0.2	
		0.1	1.0		1.3	6.0		-0.7	0.2	



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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
FKAQUE	17.1	0.5	0.5	79.3	0.6	0.8	16.9	0.3	0.5
		1.0	0.4		6.1	2.9		0.7	0.4
NJAJ39	15.5	-0.3	0.6	69.0	-0.4	1.1	14.5	-0.9	0.7
		-0.6	0.4		-4.2	3.9		-1.8	0.6
	14.6	-0.6	0.4	62.1	-1.2	0.2	15.5	-0.4	0.4
		-1.4	0.3		-11.1	0.8		-0.8	0.4
ATNL8M	15.4	-0.3	0.3	73.6	0.0	0.2	15.5	-0.4	0.2
		-0.6	0.2		0.5	0.6		-0.8	0.2
DRWZ3L	13.9	-1.0	2.5	72.2	-0.1	1.6	14.1	-1.1	1.0
		-2.2	1.8		-1.0	5.6		-2.2	0.9
2QNLRX	16.6	0.2	0.4	71.6	-0.2	0.8	15.6	-0.3	0.2
		0.5	0.3		-1.6	2.6		-0.7	0.2
6QRFYT	26.8	4.6		78.4	0.5		25.7	4.7	
		10.7	0.0		5.2	0.0		9.4	0.0
FFW7K9	16.5	0.2		80.7	0.8		17.4	0.6	
		0.4	0.0		7.5	0.0		1.1	0.0
JQ9CA8	19.2	1.4	2.2	91.7	1.9	2.2	19.4	1.6	1.5
		3.1	1.6		18.5	7.6		3.1	1.3
Grand Median		16.1			73.2			16.3	
Median Abs Dev		1.2			4.6			1.0	
Avg Within Lab SD		0.8			3.5			0.8	
Labs Included		28			28			28	
Labs Reporting		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
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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	1.05	0.05	0.42	0.66	-0.04	0.85	0.65	1.90	1.89	
		0.01	0.03		-0.01	0.03		0.29	0.11	
NLDBVL	0.93	-0.38	1.12	0.70	0.19	1.96	0.42	0.41	1.25	
		-0.10	0.08		0.03	0.08		0.06	0.07	
49HZ39	1.15	0.40	0.09	0.81	0.82	0.42	0.44	0.54	0.21	
		0.11	0.01		0.14	0.02		0.08	0.01	
HEWPJV	0.93	-0.38	2.26	0.67	0.00	1.41	0.37	0.03	1.03	
		-0.10	0.15		0.00	0.06		0.00	0.06	
F74V9R	9.22	29.94	19.38	2.06	7.92	24.36	4.46	27.28	6.70	
		8.19	1.31		1.40	1.00		4.09	0.38	
Y82F73	0.75	-1.03	1.09	0.48	-1.07	1.25	0.19	-1.17	1.91	
		-0.28	0.07		-0.19	0.05		-0.18	0.11	
ADR88T	1.16	0.44	0.60							
		0.12	0.04							
NJAJ39	1.04	0.00	0.48	0.67	0.00	0.78	0.33	-0.19	0.12	
		0.00	0.03		0.00	0.03		-0.03	0.01	
	1.11	0.26	1.23	0.65	-0.12	0.48	0.36	-0.03	0.19	
		0.07	0.08		-0.02	0.02		0.00	0.01	
ATNL8M	1.02	-0.06	1.03	0.68	0.09	0.88	0.35	-0.09	0.26	
		-0.02	0.07		0.02	0.04		-0.01	0.01	
DRWZ3L	0.04	-3.65	0.23	0.02	-3.66	0.24	0.05	-2.10	0.10	
		-1.00	0.02		-0.65	0.01		-0.32	0.01	
2QNLRX	1.25	0.77	0.17	0.80	0.74	0.14	0.41	0.29	0.10	
		0.21	0.01		0.13	0.01		0.04	0.01	
Grand Median		1.04			0.67			0.36		
Median Abs Dev		0.10			0.03			0.05		
Avg Within Lab SD		0.07			0.04			0.06		
Labs Included		11			10			10		
Labs Reporting		11			10			10		



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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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	0.17	-0.89	0.37	0.28	-0.80	0.75	0.17	-1.27	0.78	
		-0.01	0.00		-0.01	0.00		-0.01	0.00	
3MY89	0.15	-2.13	1.80	0.32	1.56	1.18	0.16	-2.03	2.01	
		-0.03	0.01		0.02	0.01		-0.02	0.01	
9L8TGW	0.18	-0.08	1.04	0.29	-0.44	1.18	0.18	-0.17	1.16	
		0.00	0.01		-0.01	0.01		0.00	0.01	
F74V9R	0.18	0.08	0.68	0.31	0.80	1.12	0.18	0.17	0.12	
		0.00	0.00		0.01	0.01		0.00	0.00	
QMYWF9	0.18	0.18		0.29	-0.22		0.18	0.21		
		0.00	0.00		0.00	0.00		0.00	0.00	
XXEWD4	0.19	0.69	1.04	0.30	0.22	1.18	0.18	0.21	0.00	
		0.01	0.01		0.00	0.01		0.00	0.00	
Grand Median		0.18			0.29			0.18		
Median Abs Dev		0.01			0.01			0.00		
Avg Within Lab SD		0.01			0.00			0.00		
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		

K (SubTestCode 226)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	1.82	-0.81	0.47	9.71	3.88	1.86	1.05	-1.03	1.58	
		-0.15	0.02		8.62	0.05		-0.17	0.04	
3MY89	1.82	-0.79	0.33	1.09	0.00	0.37	1.33	0.63	0.60	
		-0.15	0.01		-0.01	0.01		0.11	0.02	
9L8TGW	2.25	1.46	0.33	1.13	0.01	1.30	1.37	0.89	0.78	
		0.28	0.01		0.03	0.04		0.15	0.02	
F74V9R	2.07	0.52	1.43	1.10	0.00	0.78	1.29	0.43	0.56	
		0.10	0.05		0.01	0.02		0.07	0.01	
QMYWF9	1.93	-0.24		0.96	-0.06		1.15	-0.43		
		-0.05	0.00		-0.14	0.00		-0.07	0.00	
XXEWD4	2.02	0.24	1.87	0.90	-0.09	0.37	1.11	-0.65	1.49	
		0.05	0.07		-0.20	0.01		-0.11	0.04	
Grand Median		1.98			1.10			1.22		
Median Abs Dev		0.13			0.08			0.11		
Avg Within Lab SD		0.03			0.03			0.03		
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		

Ca (SubTestCode 227)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	3.55	-0.06	0.47	1.92	0.26	1.57	1.57	-0.22	2.13	
		-0.03	0.03		0.05	0.03		-0.05	0.09	
3MY89	3.82	0.49	0.27	1.88	0.06	0.49	1.71	0.41	0.23	
		0.24	0.02		0.01	0.01		0.09	0.01	
9L8TGW	3.61	0.06	1.00	1.86	-0.06	0.29	1.66	0.20	0.48	
		0.03	0.07		-0.01	0.01		0.04	0.02	
F74V9R	3.24	-0.69	1.48	1.81	-0.27	1.72	1.58	-0.20	0.06	
		-0.34	0.11		-0.05	0.03		-0.04	0.00	
QMYWF9	3.01	-1.16		1.67	-1.02		1.48	-0.63		
		-0.57	0.00		-0.20	0.00		-0.14	0.00	
XXEWD4	4.36	1.59	1.58	2.33	2.37	0.49	2.15	2.38	1.09	
		0.78	0.12		0.46	0.01		0.53	0.05	
Grand Median		3.58			1.87			1.62		
Median Abs Dev		0.29			0.05			0.07		
Avg Within Lab SD		0.07			0.02			0.04		
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		

Mg (SubTestCode 228)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	0.67	0.52	0.58	0.32	1.63	1.12	0.39	0.53	1.52	
		0.02	0.01		0.03	0.01		0.01	0.01	
3MY89	0.68	0.70	0.68	0.31	0.97	1.40	0.41	1.26	1.36	
		0.03	0.01		0.02	0.01		0.04	0.01	
9L8TGW	0.63	-0.46	0.68	0.29	-0.19	1.40	0.36	-0.42	0.00	
		-0.02	0.01		0.00	0.01		-0.01	0.00	
F74V9R	0.63	-0.52	1.20	0.29	-0.28	0.41	0.35	-0.64	0.13	
		-0.02	0.02		0.00	0.00		-0.02	0.00	
QMYWF9	0.59	-1.39		0.28	-0.77		0.35	-0.78		
		-0.06	0.00		-0.01	0.00		-0.02	0.00	
XXEWD4	0.67	0.46	1.81	0.30	0.19	0.81	0.38	0.42	1.36	
		0.02	0.03		0.00	0.01		0.01	0.01	
Grand Median		0.65			0.29			0.37		
Median Abs Dev		0.02			0.01			0.02		
Avg Within Lab SD		0.01			0.01			0.00		
Labs Included		6			6			6		
Labs Reporting		6			6			6		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	0.038	-0.126	0.350	0.023	-0.705	1.931	0.020	-0.408	0.355	
		-0.002	0.001		-0.007	0.003		-0.006	0.001	
3MY89	0.029	-0.614	0.561	0.037	0.634	1.066	0.041	0.874	0.219	
		-0.011	0.002		0.007	0.002		0.014	0.001	
9L8TGW	0.040	0.000	0.000	0.030	0.000	0.000	0.027	-0.005	2.194	
		0.000	0.000		0.000	0.000		0.000	0.006	
F74V9R	0.042	0.105	0.256	0.029	-0.130	0.370	0.027	0.000	0.112	
		0.002	0.001		-0.001	0.001		0.000	0.000	
XXEWD4	0.087	2.528	2.121	0.050	1.903	0.000	0.060	2.086	0.000	
		0.047	0.006		0.020	0.000		0.033	0.000	
Grand Median		0.040			0.030			0.027		
Median Abs Dev		0.002			0.007			0.006		
Avg Within Lab SD		0.003			0.001			0.003		
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		

AI (SubTestCode 230)	in the Dry Ash Property Groups						Data units: mg/kg
	SRBSRB1504		SRBSRB1505		SRBSRB1506		
F74V9R	79.5	0.8	149.7	0.6	44.0	0.3	
		1.7		2.1		0.3	
TK6TZ7	84.7	0.3	144.3	1.1	47.3	1.1	
		0.6		3.8		1.2	
XXEWD4	92.7	1.5	170.6	1.2	45.2	1.3	
		3.3		3.9		1.4	
Grand Median	84.7		149.7		45.2		
Median Abs Dev							
Avg Within Lab SD	2.2		3.4		1.0		
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		

B (SubTestCode 231)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	46.0	0.3		62.0	-0.1		134.7	0.1	0.4	
		1.6	0.0		-0.8	0.0		0.6	1.2	
CHC7CY	48.6	0.7	0.0	71.5	1.0	0.5	128.4	-0.7	0.4	
		4.2	0.1		8.7	0.4		-5.7	1.1	
3MY89	35.0	-1.7	0.8	50.3	-1.4	0.7	130.3	-0.5	0.2	
		-9.4	1.0		-12.4	0.6		-3.7	0.6	
9L8TGW	46.0	0.3	0.8	68.0	0.6	2.2	145.3	1.4	2.3	
		1.6	1.0		5.2	1.7		11.3	6.7	
F74V9R	42.7	-0.3	1.9	63.6	0.1	0.9	134.3	0.0	0.3	
		-1.6	2.3		0.8	0.7		0.3	0.8	
TK6TZ7	48.3	0.7	0.9	66.3	0.4	0.7	148.3	1.8	0.7	
		4.0	1.2		3.6	0.6		14.3	2.1	
QMYWF9	40.0	-0.8		53.0	-1.1		127.0	-0.9		
		-4.4	0.0		-9.8	0.0		-7.0	0.0	
XXEWD4	40.9	-0.6	1.0	55.4	-0.8	0.2	133.7	0.0	1.4	
		-3.5	1.3		-7.4	0.2		-0.3	4.2	
Grand Median		44.4		62.8			134.0			
Median Abs Dev		3.7		6.3			4.7			
Avg Within Lab SD		1.2		0.8			2.9			
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		

Zn (SubTestCode 232)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	67.6	-0.2	0.9	167.8	-1.8	0.2	54.6	0.7	0.6	
		-0.9	1.2		-79.5	1.1		2.8	0.3	
3MY89	69.3	0.2	0.4	240.0	-0.2	0.1	47.3	-1.2	1.2	
		0.9	0.6		-7.3	1.0		-4.5	0.6	
9L8TGW	66.3	-0.5	1.1	260.3	0.3	2.1	52.0	0.0		
		-2.1	1.5		13.0	14.5		0.2	0.0	
F74V9R	71.3	0.6	0.3	275.5	0.6	1.0	52.4	0.2	1.3	
		2.8	0.4		28.2	6.6		0.6	0.6	
QMYWF9	60.0	-2.0		206.0	-0.9		45.0	-1.8		
		-8.5	0.0		-41.3	0.0		-6.8	0.0	
XXEWD4	70.8	0.5	1.9	254.7	0.2	0.8	51.7	0.0	1.6	
		2.4	2.7		7.3	5.2		-0.2	0.8	
Grand Median		68.5		247.3			51.8			
Median Abs Dev		2.3		20.6			1.7			
Avg Within Lab SD		1.4		6.9			0.5			
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		

Mn (SubTestCode 233)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	96.0	0.2	0.8	111.0	0.3	0.7	48.7	0.5	1.1	
		1.5	1.5		3.6	1.4		3.0	0.9	
3MY89	87.0	-0.9	0.5	93.3	-1.1	0.6	46.7	0.2	1.9	
		-7.5	1.0		-14.1	1.2		0.9	1.5	
9L8TGW	93.0	-0.2		104.0	-0.3	2.1	43.7	-0.4	0.7	
		-1.5	0.0		-3.4	4.4		-2.1	0.6	
F74V9R	99.9	0.6	1.4	118.8	0.9	0.7	47.0	0.2	0.5	
		5.4	2.7		11.4	1.4		1.2	0.4	
QMYWF9	81.0	-1.5		91.0	-1.3		31.0	-2.6		
		-13.5	0.0		-16.4	0.0		-14.8	0.0	
XXEWD4	100.7	0.7	1.8	110.8	0.3	0.4	44.9	-0.2	0.6	
		6.2	3.6		3.4	0.8		-0.9	0.5	
Grand Median		94.5		107.4			45.8			
Median Abs Dev		5.8		7.5			1.7			
Avg Within Lab SD		2.0		2.0			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		

Fe (SubTestCode 234)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	100.8	0.2	0.1	141.2	0.2	0.3	55.4	0.0	0.8	
		2.6	0.1		3.5	0.9		-0.5	0.9	
3MY89	98.7	0.0	0.3	127.0	-0.5	0.3	67.0	1.0	0.9	
		0.5	0.6		-10.8	1.0		11.1	1.0	
9L8TGW	97.7	0.0	0.6	134.3	-0.2	0.5	55.7	0.0	1.9	
		-0.5	1.2		-3.5	1.5		-0.2	2.1	
F74V9R	95.8	-0.2	1.2	147.7	0.5	0.4	56.1	0.0	0.2	
		-2.4	2.4		9.9	1.1		0.2	0.2	
QMYWF9	84.0	-1.1		131.0	-0.3		37.0	-1.6		
		-14.2	0.0		-6.8	0.0		-18.9	0.0	
XXEWD4	131.2	2.5	2.0	186.5	2.4	2.3	71.5	1.4	1.0	
		33.1	4.0		48.7	6.8		15.6	1.2	
Grand Median		98.2		137.8			55.9			
Median Abs Dev		2.5		8.4			5.8			
Avg Within Lab SD		2.0		2.9			1.1			
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		

Cu (SubTestCode 235)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
CHC7CY	12.7	-0.2	0.6	24.2	-2.5	0.2	12.7	-0.4	1.0	
		-1.5	0.3		-42.7	0.2		-2.3	0.4	
3MY89	5.7	-1.2	1.2	81.0	0.8	0.7	10.7	-0.8	1.5	
		-8.5	0.6		14.1	1.0		-4.4	0.6	
9L8TGW	15.6	0.2	0.5	70.1	0.2	2.2	17.4	0.4	1.4	
		1.5	0.2		3.2	3.3		2.3	0.6	
F74V9R	6.5	-1.1	0.5	58.5	-0.5	0.7	9.9	-1.0	0.3	
		-7.7	0.2		-8.4	1.0		-5.1	0.1	
QMYWF9	18.0	0.5		66.0	-0.1		18.0	0.6		
		3.9	0.0		-0.9	0.0		2.9	0.0	
XXEWD4	20.0	0.8	2.0	67.9	0.1	0.2	19.0	0.8	0.9	
		5.9	1.0		0.9	0.2		3.9	0.4	
Grand Median		14.1		66.9			15.1			
Median Abs Dev		4.9		5.8			3.4			
Avg Within Lab SD		0.5		1.5			0.4			
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		

Mo (SubTestCode 236)	in the Dry Ash Property Groups						Data units: mg/kg
	SRBSRB1504		SRBSRB1505		SRBSRB1506		
F74V9R	1.96	0.79	0.86	1.41	0.66	1.00	
		0.28		0.18		0.28	
XXEWD4	0.73	1.17	0.10	0.00			
		0.42					
Grand Median	1.35		0.48		0.66		
Median Abs Dev							
Avg Within Lab SD	0.36		0.13		0.28		
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		

As (SubTestCode 237)		in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506				
49HZ39	0.25	-0.80		0.25	0.44		0.25	0.51			
		-0.28	0.00		0.11	0.00		0.11	0.00		
Y82F73	1.38	2.46	2.18	0.92	3.21	2.23	0.81	3.14	2.21		
		0.85	0.14		0.77	0.21		0.66	0.11		
NJAJ39	0.53	-0.01	0.16	0.11	-0.12	0.12	0.12	-0.11	0.29		
		0.00	0.01		-0.03	0.01		-0.02	0.01		
	0.50	-0.10	0.30	0.11	-0.12	0.06	0.12	-0.12	0.06		
ATNL8M	0.53	-0.03	0.02	0.12	-0.03	0.01	0.12	-0.03	0.00		
		0.01	0.36		-0.08	0.07		-0.08	0.09		
2QNLRX	0.76	0.00	0.02	0.12	-0.02	0.01	0.12	-0.02	0.00		
		0.68	0.12		0.08	0.06		0.08	0.06		
		0.23	0.01	0.16	0.02	0.01	0.16	0.02	0.00		
Grand Median		0.53		0.14			0.14				
Median Abs Dev		0.13		0.03			0.02				
Avg Within Lab SD		0.06		0.10			0.05				
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		

Ba (SubTestCode 238)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
49HZ39	36.2	1.1	0.7	25.6	1.1	0.5	25.9	1.3	0.5	
		5.2	1.0		3.4	0.4		4.6	0.4	
C7JPMX	30.8	0.0	0.1	22.3	0.0	0.2	20.9	-0.1	0.5	
		-0.1	0.1		0.1	0.1		-0.4	0.4	
Y82F73	20.7	-2.2	2.6	14.0	-2.6	2.3	13.7	-2.3	1.9	
		-10.3	3.8		-8.1	1.7		-7.6	1.5	
FKAQUE	30.1	-0.2	0.1	22.0	0.0	0.7	21.7	0.1	0.7	
		-0.9	0.1		-0.1	0.5		0.4	0.5	
NJAJ39	31.1	0.0	0.8	21.1	-0.3	1.3	20.3	-0.3	1.1	
		0.2	1.1		-1.0	1.0		-1.0	0.9	
	31.1	0.0	0.6	22.6	0.1	0.3	21.7	0.1	0.9	
		0.1	0.9		0.4	0.3		0.4	0.7	
ATNL8M	29.4	-0.3	0.1	21.7	-0.1	0.4	20.9	-0.1	0.9	
		-1.5	0.2		-0.4	0.3		-0.4	0.7	
2QNLRX	38.2	1.5	0.3	25.1	1.0	0.5	24.7	1.0	0.7	
		7.2	0.5		3.0	0.4		3.4	0.5	
Grand Median		30.9			22.1			21.3		
Median Abs Dev		1.2			0.7			0.7		
Avg Within Lab SD		1.5			0.8			0.8		
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		

Cd (SubTestCode 239)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	0.02	-0.72	0.77	0.14	0.40	2.11	0.09	1.42	1.39	
		-0.01	0.01		0.01	0.02		0.06	0.02	
49HZ39	0.08	2.28	1.34	0.17	1.53	0.70	0.05	0.38	1.22	
		0.04	0.01		0.04	0.01		0.02	0.02	
Y82F73	0.06	1.04	2.04	0.13	0.11	0.70	0.07	0.94	1.60	
		0.02	0.02		0.00	0.01		0.04	0.02	
FKAQUE				0.17	1.68	1.19				
					0.04	0.01				
NJAJ39	0.03	-0.11	0.31	0.12	-0.49	0.49	0.01	-0.43	0.07	
		0.00	0.00		-0.01	0.00		-0.02	0.00	
	0.03	-0.39	0.47	0.11	-0.95	0.79	0.01	-0.50	0.01	
		-0.01	0.00		-0.02	0.01		-0.02	0.00	
ATNL8M	0.04	0.00	0.27	0.13	-0.13	0.25				
		0.00	0.00		0.00	0.00				
2QNLRX	0.04	0.18	0.20	0.13	-0.11	0.49	0.01	-0.38	0.09	
		0.00	0.00		0.00	0.00		-0.02	0.00	
Grand Median		0.037			0.13			0.031		
Median Abs Dev		0.007			0.01			0.019		
Avg Within Lab SD		0.007			0.01			0.012		
Labs Included		7			8			6		
Labs Reporting		7			8			6		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	0.13	-2.47	1.90	0.08	-1.23	1.04	0.10	1.45	0.00	
		-0.16	0.06		-0.04	0.02		0.06	0.00	
49HZ39	0.27	-0.31	0.50	0.12	-0.10	0.39	0.10	1.45	0.00	
		-0.02	0.02		0.00	0.01		0.06	0.00	
HEWPJV	0.30	0.10	0.66	0.19	1.70	0.79	0.08	0.89	2.33	
		0.01	0.02		0.06	0.01		0.04	0.01	
C7JPMX	0.33	0.62	1.15							
		0.04	0.04							
Y82F73	0.21	-1.24	1.81	0.09	-0.95	2.39	0.01	-0.62	1.17	
		-0.08	0.06		-0.03	0.04		-0.03	0.01	
NJAJ39	0.29	0.00	0.16	0.13	0.10	0.24	0.04	-0.10	0.42	
		0.00	0.00		0.00	0.00		0.00	0.00	
	0.24	-0.82	0.17	0.11	-0.35	0.14	0.03	-0.21	0.12	
		-0.05	0.01		-0.01	0.00		-0.01	0.00	
ATNL8M	0.30	0.05	0.19	0.15	0.56	0.39				
		0.00	0.01		0.02	0.01				
2QNLRX	0.32	0.46	0.14	0.14	0.40	0.41	0.04	0.00	0.12	
		0.03	0.00		0.01	0.01		0.00	0.00	
Grand Median		0.29		0.13			0.039			
Median Abs Dev		0.03		0.02			0.026			
Avg Within Lab SD		0.03		0.01			0.005			
Labs Included		9		8			7			
Labs Reporting		9		8			7			



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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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	1.10	-2.10	0.90	1.01	-0.71	1.06	0.67	-0.96	0.33	
		-0.57	0.14		-0.12	0.10		-0.23	0.04	
49HZ39	1.89	0.77	0.83	1.38	1.39	1.08	1.12	0.89	0.48	
		0.21	0.13		0.24	0.10		0.22	0.06	
C7JPMX	1.80	0.45	0.00	1.27	0.74	1.19	1.33	1.78	1.84	
		0.12	0.00		0.13	0.12		0.43	0.23	
Y82F73	1.22	-1.66	1.14	0.80	-1.91	1.89	0.57	-1.34	1.04	
		-0.45	0.18		-0.33	0.18		-0.33	0.13	
FKAQUE	1.69	0.03	0.68	1.27	0.74	1.14				
		0.01	0.11		0.13	0.11				
NJAJ39	1.68	0.00	0.96	1.14	0.00	0.49	0.93	0.12	1.66	
		0.00	0.15		0.00	0.05		0.03	0.21	
	1.49	-0.67	0.32	1.12	-0.10	0.18	0.88	-0.10	0.44	
		-0.18	0.05		-0.02	0.02		-0.02	0.06	
ATNL8M	1.73	0.20	2.16	1.21	0.44	0.16	0.92	0.10	0.32	
		0.05	0.34		0.08	0.02		0.02	0.04	
2QNLRX	1.62	-0.20	0.21	1.13	-0.04	0.37	0.87	-0.12	0.35	
		-0.05	0.03		-0.01	0.04		-0.03	0.04	
Grand Median		1.68			1.14			0.90		
Median Abs Dev		0.12			0.12			0.12		
Avg Within Lab SD		0.16			0.10			0.13		
Labs Included		9			9			8		
Labs Reporting		9			9			8		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	1.57	2.56	1.40	2.03	2.83	2.19	1.77	2.86	2.14	
		1.47	0.15		1.50	0.31		1.73	0.31	
49HZ39	0.01	-0.14	0.00	0.53	0.00	0.38	0.01	-0.05	0.00	
		-0.08	0.00		0.00	0.05		-0.03	0.00	
Y82F73	1.23	1.97	2.25	1.49	1.80	1.37	0.72	1.13	1.19	
		1.13	0.25		0.96	0.19		0.68	0.17	
NJAJ39	0.09	-0.01	0.02	0.53	-0.01	0.14	0.04	0.00	0.02	
		-0.01	0.00		0.00	0.02		0.00	0.00	
	0.07	-0.03	0.03	0.51	-0.03	0.21	0.04	-0.01	0.02	
		-0.02	0.00		-0.02	0.03		0.00	0.00	
ATNL8M	0.10	0.01		0.55	0.04	0.23				
		0.01	0.00		0.02	0.03				
2QNLRX	0.09	0.00	0.01	0.53	0.00	0.19	0.04	0.00	0.00	
		0.00	0.00		0.00	0.03		0.00	0.00	
Grand Median		0.09		0.53				0.041		
Median Abs Dev		0.02		0.02				0.017		
Avg Within Lab SD		0.11		0.14				0.143		
Labs Included		7		7				6		
Labs Reporting		7		7				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		

Sr (SubTestCode 243)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1504			SRBSRB1505			SRBSRB1506			
P4A2NU	189.0	-0.2	0.2	90.4	0.1	0.2	90.0	0.0		
		-4.5	1.2		0.9	0.6		-0.4	0.0	
49HZ39	226.4	1.2	1.3	105.7	1.3	0.3	110.3	1.5	0.3	
		32.9	6.8		16.1	0.9		19.9	0.6	
HEWPJV	166.0	-1.0	0.6	80.0	-0.8	0.5	81.7	-0.6	0.5	
		-27.5	2.8		-9.5	1.4		-8.8	1.2	
C7JPMX	185.3	-0.3	0.1	85.1	-0.4	0.7	87.1	-0.2	0.6	
		-8.2	0.3		-4.4	1.7		-3.3	1.4	
Y82F73	193.0	0.0	1.5	88.7	-0.1	1.7	90.3	0.0	1.3	
		-0.5	7.8		-0.9	4.2		-0.1	2.9	
FKAQUE	208.8	0.5	0.5	98.3	0.7	0.4	101.7	0.8	0.7	
		15.3	2.7		8.7	1.1		11.2	1.6	
NJAJ39	194.0	0.0	0.5	86.9	-0.2	1.4	88.8	-0.1	1.8	
		0.5	2.6		-2.6	3.6		-1.7	4.1	
	207.7	0.5	0.9	98.8	0.7	1.3	102.0	0.8	1.2	
		14.2	4.5		9.2	3.3		11.6	2.6	
ATNL8M	187.3	-0.2	1.8	88.2	-0.1	1.5	90.5	0.0	0.7	
		-6.2	9.1		-1.4	3.7		0.1	1.6	
2QNLRX	275.3	2.9	1.1	120.7	2.5	0.5	125.7	2.6	0.9	
		81.8	5.5		31.1	1.2		35.2	2.1	
Grand Median		193.5		89.5			90.4			
Median Abs Dev		11.2		6.6			6.0			
Avg Within Lab SD		5.1		2.5			2.2			
Labs Included		10		10			10			
Labs Reporting		10		10			10			



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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		



ALP Program - Participant Web Summary Report - Cycle 27

Sample Mean	Z Score	k Score	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:								
	SRWSRW1504			SRWSRW1505			SRWSRW1506		
P4A2NU	7.90	0.36	0.00	9.02	0.98	0.00	7.85	0.04	0.00
NLDBVL	8.00	0.09	0.00	9.12	0.20	0.00	8.19	0.01	0.00
7ZD6W6	7.80	0.75	0.40	9.04	1.48	0.26	7.84	1.49	0.54
ALN6UV	7.81	0.20	0.03	9.02	0.30	0.01	7.82	0.35	0.04
9L8TGW	7.65	-0.03	0.65	8.82	1.10	1.04	7.58	0.00	0.13
XFBKG8	8.11	-0.01	0.05	8.96	0.22	0.04	7.89	0.00	0.01
TK6TZ7	7.96	0.00	0.14	8.82	0.97	0.15	7.92	-0.07	0.66
ADR88T	8.23	0.00	0.01	8.63	0.19	0.01	8.09	-0.02	0.05
FKAQUE	8.14	-0.60	0.37	8.80	0.00	1.57	7.98	-1.12	0.23
DRWZ3L	7.77	-0.16	0.03	8.78	0.00	0.06	7.69	-0.26	0.02
FFW7K9	7.56	1.17	0.58	8.61	0.67	0.39	7.40	0.23	0.41
JQ9CA8	7.67	0.31	0.05	8.99	0.13	0.02	7.71	0.05	0.03
FZ2NVA	7.61	0.57	0.14	8.75	0.00	0.30	7.69	0.36	0.08
		0.15	0.01		0.00	0.01		0.08	0.01
		1.62	0.12		-0.98	0.59		1.06	0.08
		0.42	0.01		-0.20	0.02		0.25	0.01
		1.29	1.03		-0.10	1.22		0.62	0.77
		0.34	0.08		-0.02	0.05		0.14	0.06
		-0.14	0.12		-0.20	0.30		-0.66	0.31
		-0.04	0.01		-0.04	0.01		-0.15	0.02
		-0.96	0.72		-1.07	0.77		-1.90	0.51
		-0.25	0.06		-0.21	0.03		-0.44	0.04
		-0.52	1.66		0.83	0.93		-0.57	0.31
		-0.14	0.14		0.17	0.04		-0.13	0.02
		-0.76	2.74		-0.38	2.39		-0.66	3.31
		-0.20	0.22		-0.08	0.09		-0.15	0.25
Grand Median	7.81			8.82			7.84		
Median Abs Dev	0.16			0.17			0.14		
Avg Within Lab SD	0.08			0.04			0.07		
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		

EC (SubTestCode 302)	Data units: dS/m								
	SRWSRW1504			SRWSRW1505			SRWSRW1506		
P4A2NU	1.29	-0.21	0.05	0.50	-0.10	0.07	0.24	0.09	0.00
		-0.01	0.00		0.00	0.00		0.00	0.00
NLDBVL	1.34	0.55	0.45	0.52	0.67	0.35	0.25	0.62	0.13
		0.04	0.01		0.02	0.00		0.00	0.00
7ZD6W6	1.23	-1.07	2.74	0.47	-1.48	2.92	0.23	-1.95	1.94
		-0.07	0.06		-0.03	0.03		-0.01	0.02
ALN6UV	1.31	0.10	0.45	0.51	0.30	0.67	0.24	-0.18	1.27
		0.01	0.01		0.01	0.01		0.00	0.01
9L8TGW	1.27	-0.46	0.26	0.46	-1.93	0.67	0.24	-0.62	0.73
		-0.03	0.01		-0.04	0.01		0.00	0.01
XFBKG8	1.30	-0.01	0.53	0.50	0.12	0.24	0.24	0.00	0.15
		0.00	0.01		0.00	0.00		0.00	0.00
TK6TZ7	1.32	0.20	0.26	0.50	0.00	0.00	0.25	1.15	
		0.01	0.01		0.00	0.00		0.01	0.00
ADR88T	1.31	0.10	0.00	0.50	-0.19	0.07	0.24	-0.58	0.00
		0.01	0.00		0.00	0.00		0.00	0.00
FKAQUE	1.30	0.00	0.26	0.50	-0.05	0.12	0.24	-0.23	0.06
		0.00	0.01		0.00	0.00		0.00	0.00
DRWZ3L	1.62	4.81	0.17	0.55	2.02	1.24	0.24	0.40	0.07
		0.32	0.00		0.05	0.01		0.00	0.00
FFW7K9	1.31	0.10	0.00	0.49	-0.45	0.00	0.24	-0.18	0.00
		0.01	0.00		-0.01	0.00		0.00	0.00
JQ9CA8	1.23	-1.12	1.36	0.52	0.74	1.34	0.25	1.59	2.64
		-0.07	0.03		0.02	0.01		0.01	0.02
FZ2NVA	1.30	-0.05	1.64	0.52	0.71	0.23	0.25	1.19	0.29
		0.00	0.04		0.02	0.00		0.01	0.00
Grand Median		1.30		0.50			0.24		
Median Abs Dev		0.01		0.01			0.00		
Avg Within Lab SD		0.02		0.01			0.01		
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		

Ca (SubTestCode 303)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	8.64	0.19	0.06	0.11	-0.40	0.11	0.98	-0.03	0.23	
		0.43	0.01		-0.02	0.00		-0.01	0.01	
NLDBVL	8.00	-0.09	0.17	0.13	-0.01	0.13	0.90	-0.41	0.18	
		-0.21	0.04		0.00	0.00		-0.08	0.01	
7ZD6W6	7.20	-0.43	1.13	0.27	2.60	0.86	0.88	-0.56	2.21	
		-1.00	0.26		0.14	0.01		-0.11	0.06	
ALN6UV	8.31	0.05	2.84	0.10	-0.47	2.65	1.08	0.52	1.37	
		0.11	0.66		-0.02	0.04		0.10	0.04	
9L8TGW	8.10	-0.05	0.00	0.17	0.83	0.86	1.03	0.26	2.08	
		-0.11	0.00		0.04	0.01		0.05	0.06	
XFBKG8	8.40	0.08	0.90	0.15	0.33	1.14	1.04	0.28	0.55	
		0.19	0.21		0.02	0.02		0.05	0.02	
TK6TZ7	8.68	0.20	0.11	0.13	0.01	0.00	1.07	0.43	0.42	
		0.48	0.03		0.00	0.00		0.08	0.01	
ADR88T	1.79	-2.76	0.14	0.05	-1.52	0.04	0.14	-4.37	0.12	
		-6.42	0.03		-0.08	0.00		-0.84	0.00	
FKAQUE	8.00	-0.09	0.10	0.13	0.03	0.38	0.95	-0.15	0.05	
		-0.20	0.02		0.00	0.01		-0.03	0.00	
DRWZ3L	9.74	0.66	0.43				0.87	-0.57	0.42	
		1.53	0.10					-0.11	0.01	
FFW7K9	0.83	-3.17		0.10	-0.56		0.99	0.03		
		-7.37	0.00		-0.03	0.00		0.01	0.00	
JQ9CA8	9.01	0.34	1.25				1.07	0.47	0.42	
		0.80	0.29					0.09	0.01	
Grand Median		8.21			0.13			0.98		
Median Abs Dev		0.45			0.02			0.08		
Avg Within Lab SD		0.23			0.01			0.03		
Labs Included		12			10			12		
Labs Reporting		12			10			12		



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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) Data units: mmol/L									
	SRWSRW1504			SRWSRW1505			SRWSRW1506		
P4A2NU	4.388	0.000	0.142	0.022	-0.230	0.128	1.056	0.000	0.037
		0.000	0.024		-0.007	0.002		0.000	0.007
NLDBVL	4.688	0.685	0.144	0.053	0.758	0.224	1.071	0.113	0.016
		0.300	0.024		0.024	0.004		0.015	0.003
7ZD6W6	3.843	-1.244	0.739	0.133	3.242	2.492	0.923	-0.972	0.293
		-0.545	0.125		0.104	0.040		-0.132	0.051
ALN6UV	4.813	0.972	0.068	0.032	0.102	0.819	1.237	1.329	0.184
		0.425	0.012		0.003	0.013		0.181	0.032
9L8TGW	4.333	-0.125	0.682	0.033	0.133	0.356	1.007	-0.360	0.066
		-0.055	0.115		0.004	0.006		-0.049	0.012
XFBKG8	4.043	-0.787	2.754	0.047	0.548	0.942	1.000	-0.409	0.446
		-0.345	0.466		0.018	0.015		-0.056	0.078
TK6TZ7	4.673	0.652	0.068	0.020	-0.281	0.000	1.167	0.815	0.033
		0.285	0.012		-0.009	0.000		0.111	0.006
ADR88T	1.223	-7.230	0.208	0.003	-0.810	0.000	0.297	-5.571	0.015
		-3.165	0.035		-0.026	0.000		-0.759	0.003
FKAQUE	4.351	-0.085	0.034	0.026	-0.102	0.197	1.077	0.159	0.015
		-0.037	0.006		-0.003	0.003		0.022	0.003
DRWZ3L	4.720	0.758	1.234				0.820	-1.730	3.266
		0.332	0.209					-0.236	0.572
FFW7K9	4.540	0.347					1.080	0.179	
		0.152	0.000					0.024	0.000
JQ9CA8	5.160	1.764	0.910				1.240	1.354	0.099
		0.772	0.154					0.184	0.017
Grand Median		4.39			0.029			1.06	
Median Abs Dev		0.30			0.008			0.06	
Avg Within Lab SD		0.17			0.016			0.18	
Labs Included		11			8			11	
Labs Reporting		11			8			11	



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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
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	2.60	0.45	0.14	4.41	0.31	0.05	0.41	-0.01	0.05	
		0.09	0.01		0.10	0.01		0.00	0.00	
NLDBVL	2.55	0.21	0.44	4.19	-0.41	0.15	0.41	0.01	0.10	
		0.04	0.05		-0.13	0.04		0.00	0.00	
7ZD6W6	2.33	-0.88	1.83	3.88	-1.36	1.68	0.53	1.27	2.00	
		-0.18	0.19		-0.43	0.45		0.12	0.06	
ALN6UV	2.54	0.16	0.50	4.26	-0.19	0.67	0.37	-0.40	1.58	
		0.03	0.05		-0.06	0.18		-0.04	0.05	
9L8TGW	2.47	-0.22	1.12	4.40	0.26	0.00	0.47	0.62	1.98	
		-0.05	0.12		0.08	0.00		0.06	0.06	
XFBKG8	2.46	-0.27	1.71	4.21	-0.34	1.15	0.42	0.11	0.68	
		-0.06	0.18		-0.11	0.31		0.01	0.02	
TK6TZ7	2.70	0.92	0.19	4.38	0.19	0.11	0.42	0.11	0.00	
		0.19	0.02		0.06	0.03		0.01	0.00	
ADR88T	2.33	-0.91	0.66	4.46	0.44	0.22	0.01	-4.33	0.05	
		-0.19	0.07		0.14	0.06		-0.40	0.00	
FKAQUE	2.58	0.32	0.27	4.39	0.24	0.12	0.40	-0.06	0.10	
		0.06	0.03		0.08	0.03		-0.01	0.00	
DRWZ3L	2.22	-1.45	1.30	3.77	-1.73	2.58	0.36	-0.51	1.05	
		-0.30	0.13		-0.55	0.69		-0.05	0.03	
FFW7K9	2.48	-0.16		4.22	-0.30		0.40	-0.11		
		-0.03	0.00		-0.10	0.00		-0.01	0.00	
JQ9CA8	2.95	2.17	1.32	5.05	2.32	0.80	0.46	0.55	0.00	
		0.44	0.14		0.74	0.21		0.05	0.00	
Grand Median		2.51		4.32			0.41			
Median Abs Dev		0.08		0.10			0.02			
Avg Within Lab SD		0.10		0.27			0.03			
Labs Included		12		12			12			
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

K (SubTestCode 306)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	0.13	0.05		0.31	0.13	0.09	0.03	-0.16	0.00	
		0.00	0.00		0.01	0.00		0.00	0.00	
NLDBVL	0.12	0.00	0.06	0.27	-0.45	0.23	0.03	0.00	0.18	
		0.00	0.00		-0.03	0.00		0.00	0.00	
7ZD6W6	0.16	0.89	0.66	0.30	0.00	1.38	0.08	3.70	2.78	
		0.03	0.02		0.00	0.03		0.05	0.02	
XFBKG8	0.11	-0.26	1.09	0.29	-0.13	0.63	0.01	-1.32	1.05	
		-0.01	0.03		-0.01	0.01		-0.02	0.01	
TK6TZ7	0.13	0.18	0.00	0.31	0.09	0.00	0.03	0.00	0.00	
		0.01	0.00		0.01	0.00		0.00	0.00	
ADR88T	0.00	-3.15	0.05	0.04	-3.42	0.03	0.03	-0.08	0.00	
		-0.12	0.00		-0.26	0.00		0.00	0.00	
FKAQUE	0.12	-0.01	0.06	0.30	0.02	0.17	0.03	-0.19	0.07	
		0.00	0.00		0.00	0.00		0.00	0.00	
DRWZ3L	0.14	0.45	0.00	0.32	0.17	1.14	0.04	1.06	1.05	
		0.02	0.00		0.01	0.02		0.01	0.01	
FFW7K9	0.12	-0.08		0.30	-0.04		0.03	0.00		
		0.00	0.00		0.00	0.00		0.00	0.00	
JQ9CA8	0.17	1.33	2.89	0.35	0.66	2.70				
		0.05	0.07		0.05	0.05				
FZ2NVA	0.08	-1.02	0.05	0.13	-2.31	0.05	0.03	0.24	0.18	
		-0.04	0.00		-0.18	0.00		0.00	0.00	
Grand Median		0.12			0.30			0.030		
Median Abs Dev		0.01			0.01			0.002		
Avg Within Lab SD		0.02			0.02			0.005		
Labs Included		11			11			10		
Labs Reporting		11			11			10		



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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
	SRWSRW1504		SRWSRW1505		SRWSRW1506		
NLDBVL	0.002	0.027	0.005	0.139	0.001	0.049	
		0.000		0.001		0.001	
XFBKG8	0.003	0.100	0.002	0.072	0.002	0.046	
		0.002		0.001		0.000	
FZ2NVA	0.534	1.729	0.430	1.725	0.272	1.731	
		0.031		0.018		0.018	
Grand Median	0.003		0.005		0.002		
Median Abs Dev							
Avg Within Lab SD	0.018		0.010		0.011		
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		

Sum Cations (SubTestCode 308)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	15.75	-0.20	0.10	4.86	0.20	0.03	2.47	-0.01	0.25	
		-0.22	0.04		0.09	0.01		0.00	0.01	
NLDBVL	15.37	-0.57	0.23	4.64	-0.29	0.10	2.42	-0.32	0.17	
		-0.60	0.09		-0.13	0.03		-0.05	0.01	
XFBKG8	15.01	-0.90	2.22	4.70	-0.16	0.86	2.47	0.01	2.00	
		-0.96	0.87		-0.07	0.29		0.00	0.09	
TK6TZ7	16.19	0.20	0.06	4.84	0.16	0.09	2.68	1.32	0.13	
		0.22	0.02		0.07	0.03		0.21	0.01	
DRWZ3L	16.93	0.91	0.56	4.08	-1.57	2.11	2.44	-0.21	0.73	
		0.96	0.22		-0.69	0.71		-0.03	0.03	
JQ9CA8	17.29	1.25	0.82	5.50	1.67	0.88	2.82	2.19	1.17	
		1.32	0.32		0.73	0.30		0.35	0.05	
Grand Median		16.0		4.77			2.47			
Median Abs Dev		0.8		0.11			0.04			
Avg Within Lab SD		0.4		0.33			0.04			
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		

SAR (SubTestCode 309)	in the Cations Property Groups									Data units:
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	1.0	0.0	0.0	17.3	1.2	0.4	0.2	0.2		
		0.0	0.0		0.3		0.0	0.0		
ADR88T	0.9	0.0	0.1	13.8	1.2	0.0	-2.3	0.1		
		-0.1	0.0		0.3		-0.4	0.0		
DRWZ3L	6.0	2.6	2.0			0.4	-0.1	2.0		
		5.0	0.4				0.0	0.0		
FFW7K9	1.0	0.0		18.0		0.4	0.1			
		0.0	0.0		0.0		0.0	0.0		
Grand Median		1.00		17.3			0.38			
Median Abs Dev		0.04					0.02			
Avg Within Lab SD		0.19		0.2			0.02			
Labs Included		4		3			4			
Labs Reporting		4		3			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		

Adj-SAR (SubTestCode 310)	in the Cations Property Groups						Data units:
	SRWSRW1504		SRWSRW1505		SRWSRW1506		
DRWZ3L	1.09	1.00 0.06			0.26	1.00 0.02	
Grand Median		1.09			0.26		
Median Abs Dev							
Avg Within Lab SD		0.06	0.00		0.02		
Labs Included		1	0		1		
Labs Reporting		1	0		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: mmol/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	5.55	0.05	0.00	2.60	-0.05	0.00	1.65	-0.06	0.00	
		0.02	0.00		-0.12	0.00		-0.01	0.00	
NLDBVL	6.01	1.09	0.71	2.83	0.05	0.00	1.84	1.62	1.09	
		0.48	0.07		0.12	0.02		0.18	0.04	
7ZD6W6	5.44	-0.20	0.42	2.20	-0.23	0.03	1.64	-0.15	0.00	
		-0.09	0.04		-0.52	0.18		-0.02	0.00	
ALN6UV	5.76	0.53	0.16	3.08	0.16	0.00	1.74	0.78	0.15	
		0.24	0.02		0.36	0.03		0.09	0.01	
XFBKG8	4.98	-1.26	1.23	1.83	-0.39	0.02	1.59	-0.58	0.00	
		-0.55	0.12		-0.89	0.09		-0.06	0.00	
TK6TZ7	5.69	0.37	0.85	3.28	0.25	0.01	1.66	0.06	1.52	
		0.16	0.08		0.57	0.07		0.01	0.06	
DRWZ3L	4.72	-1.84	0.67	2.39	-0.14	0.12	1.86	1.84	0.91	
		-0.81	0.06		-0.33	0.66		0.20	0.04	
JQ9CA8	5.51	-0.05	2.15	12.09	4.12	2.83	1.62	-0.30	1.91	
		-0.02	0.21		9.38	15.85		-0.03	0.08	
Grand Median		5.53			2.72			1.66		
Median Abs Dev		0.20			0.44			0.05		
Avg Within Lab SD		0.10			5.61			0.04		
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		

CO3 (SubTestCode 312)	in the Anions Property Groups						Data units: mmolc/L
	SRWSRW1504	SRWSRW1505	SRWSRW1506				
P4A2NU		0.35	-0.34	0.00			
			-0.08	0.00			
NLDBVL		0.43	0.00	0.30			
			0.00	0.02			
7ZD6W6		0.48	0.19	1.14			
			0.05	0.08			
XFBKG8		0.97	2.16	1.33			
			0.54	0.09			
TK6TZ7		0.26	-0.69	1.36			
			-0.17	0.10			
Grand Median			0.43				
Median Abs Dev			0.08				
Avg Within Lab SD	0.00		0.07		0.00		
Labs Included	0		5		0		
Labs Reporting	0		5		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: mmol/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	0.71	0.72	0.00	0.95	0.66	0.00	0.20	0.26	0.00	
		0.11	0.00		0.11	0.00		0.03	0.00	
NLDBVL	0.58	-0.14	0.20	0.81	-0.20	0.38	0.09	-0.73	0.15	
		-0.02	0.00		-0.03	0.01		-0.08	0.00	
7ZD6W6	0.59	-0.10	0.35	0.76	-0.45	0.75	0.20	0.27	0.57	
		-0.02	0.01		-0.08	0.01		0.03	0.01	
ALN6UV	0.59	-0.10	0.35	0.79	-0.30	1.30	0.21	0.36	1.50	
		-0.02	0.01		-0.05	0.02		0.04	0.02	
9L8TGW	0.71	0.71	2.12	0.93	0.54	1.73	0.16	-0.05	1.13	
		0.11	0.03		0.09	0.03		-0.01	0.01	
XFBKG8	0.71	0.68	1.99	1.00	0.93	2.02	0.17	0.05	0.84	
		0.10	0.03		0.16	0.03		0.01	0.01	
TK6TZ7	0.67	0.45	0.61	0.86	0.14	0.38	0.08	-0.87	0.57	
		0.07	0.01		0.02	0.01		-0.09	0.01	
ADR88T	0.20	-2.66	0.82	0.51	-1.94	0.36	0.37	1.93	1.42	
		-0.41	0.01		-0.33	0.01		0.20	0.01	
FKAQUE	0.62	0.10	0.12	0.84	0.00	0.20	0.12	-0.49	0.79	
		0.02	0.00		0.00	0.00		-0.05	0.01	
DRWZ3L	0.54	-0.40	0.61	0.84	0.00	0.00	0.12	-0.43	0.57	
		-0.06	0.01		0.00	0.00		-0.05	0.01	
FFW7K9	0.65	0.35	0.46	0.85	0.03	0.60	0.13	-0.33	0.07	
		0.05	0.01		0.01	0.01		-0.04	0.00	
JQ9CA8	0.34	-1.69	1.27	0.35	-2.90	1.36	0.42	2.34	2.04	
		-0.26	0.02		-0.49	0.02		0.25	0.02	
Grand Median		0.60			0.84			0.17		
Median Abs Dev		0.07			0.06			0.04		
Avg Within Lab SD		0.02			0.02			0.01		
Labs Included		12			12			12		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

NO3 (SubTestCode 314)			in the Anions Property Groups						Data units: mmol/L
	SRWSRW1504		SRWSRW1505			SRWSRW1506			
P4A2NU	0.491	0.086	0.121	0.001	-0.166	0.000	0.076	0.070	0.582
		0.017	0.002		-0.018	0.000		0.005	0.005
NLDBVL	0.443	-0.155	0.710	0.001	-0.168	0.000	0.056	-0.187	0.300
		-0.031	0.009		-0.019	0.000		-0.014	0.003
7ZD6W6	0.443	-0.152	0.458	0.057	0.337	2.152	0.103	0.430	2.930
		-0.031	0.006		0.037	0.025		0.033	0.025
ALN6UV	5.850	26.717	14.299	0.013	-0.054	0.494	0.770	9.207	4.197
		5.376	0.180		-0.006	0.006		0.699	0.036
9L8TGW	0.367	-0.533	1.651				0.023	-0.623	0.672
		-0.107	0.021					-0.047	0.006
XFBKG8	0.505	0.152	0.321				0.007	-0.837	0.000
		0.031	0.004					-0.064	0.000
TK6TZ7	0.478	0.020	1.376				0.071	0.000	0.067
		0.004	0.017					0.000	0.001
ADR88T	1.300	4.105	0.000	0.150	1.180	0.000	0.240	2.229	0.582
		0.826	0.000		0.131	0.000		0.169	0.005
FKAQUE	0.484	0.048	0.102				0.066	-0.061	0.065
		0.010	0.001					-0.005	0.001
DRWZ3L	0.470	-0.020	0.000	0.123	0.940	1.306	0.193	1.615	0.672
		-0.004	0.000		0.104	0.015		0.123	0.006
FFW7K9	0.460	-0.069	0.278	0.019	0.000	0.018	0.067	-0.050	0.047
		-0.014	0.004		0.000	0.000		-0.004	0.000
JQ9CA8	0.450	-0.119	2.099						
		-0.024	0.026						
FZ2NVA	1.004	2.634	1.434	0.233	1.930	0.816	0.171	1.317	0.858
		0.530	0.018		0.214	0.010		0.100	0.007
Grand Median		0.47			0.019			0.071	
Median Abs Dev		0.03			0.019			0.033	
Avg Within Lab SD		0.01			0.012			0.009	
Labs Included		12			7			11	
Labs Reporting		12			7			11	



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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
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	8.81	-0.13	0.07	0.95	-0.10	0.07	0.56	0.00	0.13	
		-0.11	0.02		-0.01	0.00		0.00	0.00	
NLDBVL	8.51	-0.48	0.06	0.87	-0.81	0.17	0.54	-0.18	1.16	
		-0.41	0.02		-0.09	0.01		-0.02	0.03	
7ZD6W6	8.42	-0.58	2.60	1.03	0.64	2.50	0.61	0.45	1.07	
		-0.50	0.72		0.07	0.14		0.05	0.03	
ALN6UV	9.09	0.20	0.04	0.97	0.10	0.98	0.56	0.00	2.02	
		0.17	0.01		0.01	0.06		0.00	0.06	
XFBKG8	9.54	0.71	0.91	1.08	1.16	0.37	0.66	0.94	0.51	
		0.62	0.25		0.13	0.02		0.10	0.02	
TK6TZ7	9.03	0.13	0.11	0.97	0.11	0.00	0.59	0.32	0.19	
		0.11	0.03		0.01	0.00		0.03	0.01	
ADR88T	1.79	-8.23	0.04	0.19	-7.14	0.03	0.09	-4.58	0.02	
		-7.13	0.01		-0.77	0.00		-0.47	0.00	
DRWZ3L	11.21	2.64	0.58	0.77	-1.77	0.37	0.26	-2.94	0.33	
		2.29	0.16		-0.19	0.02		-0.30	0.01	
JQ9CA8	9.38	0.53	0.25	1.03	0.70	0.71	0.62	0.55	1.01	
		0.46	0.07		0.08	0.04		0.06	0.03	
Grand Median		8.92			0.96			0.56		
Median Abs Dev		0.44			0.07			0.04		
Avg Within Lab SD		0.28			0.06			0.03		
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		

Sum Anions (SubTestCode 316)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	15.56	-0.33	0.18	4.85	-0.09	0.01	2.48	1.01	0.22	
		-0.16	0.02		-0.03	0.00		0.05	0.01	
NLDBVL	15.54	-0.37	0.58	4.94	0.19	0.12	2.53	1.84	0.81	
		-0.19	0.07		0.06	0.04		0.10	0.02	
XFBKG8	15.73	0.00	0.83	4.88	0.00	0.05	2.43	-0.01	0.71	
		0.00	0.10		0.00	0.01		0.00	0.02	
TK6TZ7	15.87	0.29	0.59	5.12	0.73	0.19	2.40	-0.51	1.86	
		0.14	0.07		0.24	0.06		-0.03	0.06	
DRWZ3L	16.93	2.39	1.90	4.09	-2.36	2.22	2.43	0.00	0.58	
		1.21	0.23		-0.79	0.71		0.00	0.02	
Grand Median		15.7		4.88			2.43			
Median Abs Dev		0.2		0.06			0.03			
Avg Within Lab SD		0.1		0.32			0.03			
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:
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	0.192	0.431	0.128	0.014	0.755	0.017	-0.013	-0.229	0.114	
		0.178	0.056		0.193	0.002		-0.030	0.006	
NLDBVL	-0.174	-0.453	0.183	-0.301	-0.471	0.380	-0.107	-0.946	0.530	
		-0.187	0.079		-0.121	0.047		-0.124	0.030	
XFBKG8	-0.713	-1.755	2.215	-0.180	0.000	2.193	0.042	0.191	1.928	
		-0.726	0.958		0.000	0.274		0.025	0.108	
TK6TZ7	0.317	0.733	0.210	-0.540	-1.406	0.212	0.280	2.007	0.990	
		0.303	0.091		-0.360	0.026		0.263	0.056	
DRWZ3L	0.013	0.000	0.013	0.010	0.741	0.000	0.017	0.000	0.103	
		0.000	0.006		0.190	0.000		0.000	0.006	
Grand Median		0.013			-0.180			0.017		
Median Abs Dev		0.187			0.190			0.030		
Avg Within Lab SD		0.432			0.125			0.056		
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		

Boron (SubTestCode 318)	in the Other Property Groups									Data units: mg/L
	SRWSRW1504			SRWSRW1505			SRWSRW1506			
P4A2NU	0.19	-0.34	0.09	1.00	4.83	0.65	0.04	-1.40	0.07	
		-0.01	0.00		0.87	0.01		-0.02	0.00	
NLDBVL	0.20	0.01	0.59	0.12	-0.01	0.07	0.06	0.30	0.12	
		0.00	0.01		0.00	0.00		0.00	0.00	
ALN6UV	0.21	0.29	2.56	0.14	0.09	2.70	0.07	1.34	2.47	
		0.01	0.03		0.02	0.04		0.02	0.02	
9L8TGW	0.21	0.29	0.46	0.15	0.12	0.38	0.06	0.15	1.19	
		0.01	0.01		0.02	0.01		0.00	0.01	
XFBKG8	0.13	-3.10	0.00	0.08	-0.25	0.00	0.04	-1.64	0.00	
		-0.07	0.00		-0.05	0.00		-0.02	0.00	
TK6TZ7	0.20	-0.01	0.00	0.12	-0.03	0.00	0.06	0.15	0.00	
		0.00	0.00		-0.01	0.00		0.00	0.00	
FKAQUE	0.20	-0.19	0.13	0.11	-0.06	0.05	0.06	-0.27	0.15	
		0.00	0.00		-0.01	0.00		0.00	0.00	
JQ9CA8	0.23	1.17	0.92	0.13	0.01	0.38	0.06	-0.15	0.68	
		0.03	0.01		0.00	0.01		0.00	0.01	
Grand Median		0.20			0.13			0.058		
Median Abs Dev		0.01			0.01			0.003		
Avg Within Lab SD		0.01			0.02			0.008		
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		

PO4-P Phosphorus - Spec (SubTestCode 319) SRWSRW1504	in the Other Property Groups						Data units: mg/L
	SRWSRW1505		SRWSRW1506		SRWSRW1506		
NLDBVL	0.012	0.815	0.013	0.213	0.006	0.634	
		0.003		0.004		0.003	
FKAQUE	0.012	0.249	0.013	0.015	0.007	0.035	
		0.001		0.000		0.000	
FZ2NVA	0.045	1.508	0.139	1.719	0.160	1.612	
		0.005		0.033		0.008	
Grand Median	0.012		0.013		0.007		
Median Abs Dev							
Avg Within Lab SD	0.003		0.019		0.005		
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		

Phosphorus - ICP (Total) (SubTestCode 320)	in the Other Property Groups						Data units: mg/L		
	SRWSRW1504			SRWSRW1505			SRWSRW1506		
P4A2NU	0.010	-0.032	0.215	0.010	-0.027	0.000	0.014	-0.138	0.262
		-0.010	0.002		-0.010	0.000		-0.048	0.002
XFBKG8	0.015	-0.016	0.995	0.013	-0.018	0.845			
		-0.005	0.007		-0.007	0.006			
TK6TZ7	0.020	0.000	0.000	0.020	0.000	0.000	0.010	-0.148	0.000
		0.000	0.000		0.000	0.000		-0.052	0.000
ADR88T	0.800	2.542	1.408	1.060	2.769	1.464	0.857	2.274	0.991
		0.780	0.010		1.040	0.010		0.795	0.006
DRWZ3L	0.260	0.782	1.408	0.230	0.559	1.464	0.110	0.138	1.717
		0.240	0.010		0.210	0.010		0.048	0.010
Grand Median		0.020		0.020			0.062		
Median Abs Dev		0.010		0.010			0.050		
Avg Within Lab SD		0.007		0.007			0.006		
Labs Included		5		5			4		
Labs Reporting		5		5			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		

TKN (SubTestCode 321)	in the Other Property Groups						Data units: mg/L
	SRWSRW1504		SRWSRW1505		SRWSRW1506		
FZ2NVA	10.57	1.00 0.62	8.59	1.00 1.56	11.23	1.00 0.31	
Grand Median	10.6		8.59		11.2		
Median Abs Dev							
Avg Within Lab SD	0.6		1.56		0.3		
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		



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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		
