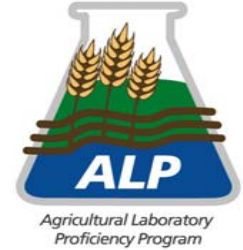


ALP Program

Participant Web Summary Report

2015 Round #28



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 - Fall 2015 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Fall 2015 (Cycle 28) was completed in December, 2015, with participation by 96 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: SRS1511 a silt loam collected from Quebec, CANADA; SRS1512 a Cozad silt loam collected Buffalo Cty, NE; SRS1513 a Millhopper-Urban complex loamy sand collected Archula Cty, FL; SRS1514 a Tama silt loam collected Iowa Cty, WI; and SRS1515 Danvers-Shaak clay loam collected Yellowstone Cty, MT. Standard Reference Botanical (SRB) materials were: SRB1507 spinach leaf composite from CA, SRB1508 grape blade composite from CA and SRB1509 citrus leaf composite from CA. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1507 well water in eastern SD, SRW1508 well water in NE, and SRW1509 well water in Ontario, CANADA.

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

Special Topics:

Discussion of Statistics
in ALP Reports.

Quick Key to Analysis
Tables.

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

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Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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

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



Key to Data Tables

Laboratory Results

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

Consensus Results

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

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



Choosing the Statistics Used

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

Why did we decide this?

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

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



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



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

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups															Data units: Percent	
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	27.1	-0.3	0.8	40.6	-0.1	1.1	25.7	-0.3	0.0	41.0	0.0	0.4	41.6	0.2	2.3	
		-1.3	0.9		-0.8	1.2		-0.7	0.0		0.2	0.4		0.9	2.1	
FQP3HU	25.4	-0.7	1.0	39.6	-0.3	0.3	21.8	-1.7	0.2	37.6	-0.6	0.3	36.1	-0.8	0.1	
		-2.9	1.1		-1.7	0.3		-4.5	0.2		-3.3	0.3		-4.6	0.1	
C47NEY	24.3	-1.0	0.9	40.4	-0.2	1.0	22.7	-1.4	0.9	38.4	-0.5	2.3	35.2	-1.0	1.6	
		-4.1	1.0		-0.9	1.1		-3.6	0.8		-2.4	2.2		-5.5	1.5	
VJYMAG	28.3	0.0	0.5	41.7	0.1	0.5	28.0	0.6		40.7	0.0	0.6	40.7	0.0	0.6	
		0.0	0.6		0.3	0.6		1.7	0.0		-0.2	0.6		0.0	0.6	
4RZ3B8	28.4	0.0	2.4	40.3	-0.2	2.6	25.9	-0.2	3.3	38.4	-0.5	1.9	35.5	-0.9	0.8	
		0.0	2.6		-1.1	2.9		-0.4	3.1		-2.5	1.9		-5.1	0.7	
C4PRLY	22.8	-1.3	0.3	37.5	-0.7	0.2	23.4	-1.1	0.3	36.8	-0.8	0.3	34.1	-1.1	0.1	
		-5.5	0.3		-3.9	0.2		-2.9	0.2		-4.1	0.3		-6.6	0.1	
8NA3L2	31.8	0.8	0.3	50.7	1.6	0.8	26.6	0.1	0.6	49.1	1.6	1.0	48.6	1.4	1.3	
		3.5	0.4		9.4	0.9		0.3	0.6		8.2	0.9		7.9	1.2	
382E77	26.0	-0.6		40.7	-0.1	1.1	26.3	0.0	0.6	37.3	-0.7	0.6	40.3	-0.1	1.3	
		-2.4	0.0		-0.7	1.2		0.0	0.6		-3.5	0.6		-0.3	1.2	
4XQDK7	29.8	0.4	0.7	44.3	0.5	0.1	29.1	1.0	0.4	43.2	0.5	0.8	41.9	0.2	0.4	
		1.5	0.7		3.0	0.1		2.7	0.4		2.4	0.8		1.2	0.4	
32WJM7	25.7	-0.6	0.5	40.3	-0.2	1.1	25.3	-0.4	0.6	39.3	-0.3	1.2	38.7	-0.3	0.6	
		-2.7	0.6		-1.0	1.2		-1.0	0.6		-1.5	1.2		-2.0	0.6	
2Y8W7C	27.3	-0.2	1.1	42.7	0.2	0.5	27.7	0.5	0.6	40.7	0.0	1.2	41.7	0.2	0.6	
		-1.0	1.2		1.3	0.6		1.3	0.6		-0.2	1.2		1.0	0.6	
QV4LLK	27.0	-0.3	1.6	41.0	-0.1	1.8	27.7	0.5	0.6	41.0	0.0	1.8	40.7	0.0	2.3	
		-1.4	1.7		-0.3	2.0		1.3	0.6		0.2	1.7		0.0	2.1	
KMCVXR	25.6	-0.7		40.3	-0.2		27.1	0.3		41.4	0.1		38.4	-0.4		
		-2.8	0.0		-1.0	0.0		0.8	0.0		0.6	0.0		-2.3	0.0	
F668JV	30.3	0.5	1.4	43.3	0.3	0.5	29.0	1.0		39.7	-0.2	0.6	40.7	0.0	0.6	
		2.0	1.5		2.0	0.6		2.7	0.0		-1.2	0.6		0.0	0.6	
FWELDX	30.7	0.6	0.6	48.9	1.3	0.3	25.3	-0.4	0.7	48.5	1.5	0.4	48.0	1.3	0.8	
		2.3	0.7		7.6	0.3		-1.0	0.7		7.6	0.4		7.3	0.7	
4PWGDA	29.0	0.2		46.7	0.9		29.7	1.3		44.6	0.7		41.8	0.2		
		0.7	0.0		5.4	0.0		3.4	0.0		3.8	0.0		1.1	0.0	
XLBLAF	30.7	0.6		52.2	1.8		22.2	-1.6		52.9	2.4		55.9	2.7		
		2.4	0.0		10.9	0.0		-4.2	0.0		12.1	0.0		15.2	0.0	
3N2CJA	24.7	-0.9	0.1	37.1	-0.7	0.9	24.5	-0.7	0.5	36.3	-0.9	0.3	35.1	-1.0	0.4	
		-3.7	0.1		-4.3	1.0		-1.9	0.5		-4.5	0.3		-5.6	0.4	
KN9DZT	30.7	0.6	1.3	45.9	0.8	1.9	26.4	0.0	2.0	45.0	0.8	1.6	44.4	0.7	1.3	
		2.4	1.4		4.6	2.1		0.0	1.9		4.2	1.6		3.8	1.2	
79GV44	31.3	0.7	2.2	48.3	1.2	1.1	30.0	1.4	1.9	45.0	0.8	1.0	44.7	0.7	0.6	
		3.0	2.3		7.0	1.2		3.7	1.7		4.2	1.0		4.0	0.6	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
NT8YFL	31.9	0.8		47.3	1.0		27.0	0.3		48.7	1.5		48.3	1.3	
		3.5	0.0		6.0	0.0		0.7	0.0		7.8	0.0		7.6	0.0
WN9D4A	41.8	3.2		26.5	-2.5		25.6	-0.3		39.1	-0.3		37.5	-0.6	
		13.5	0.0		-14.8	0.0		-0.8	0.0		-1.7	0.0		-3.2	0.0
Grand Median		28.4			41.3			26.4			40.8			40.7	
Median Abs Dev		2.4			2.5			1.3			2.9			3.5	
Avg Within Lab SD		1.1			1.1			0.9			1.0			0.9	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
FQP3HU	5.12	-0.80	1.17	6.22	-0.49	0.63	5.85	-1.11	1.76	6.83	-0.19	0.26	4.99	-0.49	0.44
C47NEY	5.51	0.41	2.68	6.51	0.63	1.31	6.21	0.79	1.76	7.11	0.78	3.01	5.22	0.24	2.53
VJYMAG	5.37	-0.03	0.90	6.45	0.41	0.52	6.15	0.48	0.78	6.80	-0.30	1.14	5.08	-0.21	0.46
4RZ3B8	5.31	-0.21	0.45	6.34	-0.03	2.43	6.06	-0.01	0.95	6.91	0.09	0.54	5.04	-0.34	0.89
C4PRLY	5.31	-0.07	0.01	6.35	0.01	0.01	5.95	-0.11	0.00	6.80	-0.09	0.00	5.07	-0.08	0.03
8NA3L2	5.47	0.28	0.73	6.47	0.46	0.66	6.23	0.89	0.88	7.17	0.96	0.75	5.20	0.19	0.00
382E77	5.07	-0.96	0.57	5.84	-1.92	0.12	5.61	-2.36	0.18	6.26	-2.14	0.20	4.84	-0.97	0.44
4XQDK7	5.24	-0.30	0.05	6.35	-0.51	0.01	5.99	-0.46	0.01	6.94	-0.62	0.02	5.06	-0.30	0.02
32WJM7	5.41	-0.44	3.09	6.32	-0.44	2.94	6.16	-0.35	3.21	6.88	0.17	2.67	5.20	-0.25	2.46
M8UYGL	5.19	0.12	0.39	6.32	-0.11	0.40	6.06	0.53	0.54	7.03	-0.02	0.26	5.19	0.20	0.34
2Y8W7C	5.30	0.04	0.03	6.47	-0.03	0.04	6.00	0.10	0.04	6.76	-0.01	0.02	6.92	0.06	0.02
QV4LLK	5.40	-0.58	0.96	6.03	0.49	1.93	6.09	0.01	0.23	6.94	0.49	0.78	5.13	0.17	1.09
8QG8D6	5.58	-0.18	0.08	6.20	0.13	0.17	6.18	0.00	0.02	6.90	0.14	0.06	5.20	0.05	0.05
F668JV	5.39	-0.24	0.22	6.35	-1.20	0.20	6.01	-0.30	0.99	6.76	-0.45	0.38	5.09	5.72	1.77
FWELDX	5.29	-0.08	0.02	6.30	-0.32	0.02	6.09	-0.06	0.07	6.94	-0.13	0.03	5.13	1.78	0.08
4PWGDA	5.24	0.07	0.55	6.30	-0.16	0.63	6.09	0.13	0.99	6.94	0.19	0.54	5.13	-0.05	1.09
XLBLAF	5.60	0.64	0.00	6.20	-0.55	0.00	6.18	0.03	0.07	6.90	0.06	0.04	5.20	-0.02	0.05
3N2CJA	5.32	0.20	0.00	6.20	-0.15	0.00	6.18	0.12	0.00	6.90	0.05	0.00	5.20	0.19	0.00
KN9DZT	5.45	0.03	0.77	6.35	0.03	0.77	6.01	-0.29	0.58	6.76	-0.43	1.13	5.09	0.06	0.00
TPMZPJ	5.26	0.01	0.04	6.35	0.01	0.07	6.01	-0.06	0.04	6.76	-0.13	0.09	5.09	-0.17	1.54
		-0.26	1.07	6.25	-0.36	0.12	5.96	-0.54	0.32	6.76	-0.42	0.20	5.07	-0.05	0.07
		-0.08	0.09	6.25	-0.10	0.01	5.96	-0.11	0.02	6.76	-0.42	0.20	5.07	-0.23	0.22
		-0.43		6.38	0.13		5.97	-0.48		6.84	-0.16		5.09	-0.07	0.01
		-0.14	0.00	6.38	0.04	0.00	5.97	-0.09	0.00	6.84	-0.16	0.00	5.09	-0.17	
		0.71		6.54	0.74		6.23	0.87		7.19	1.04		5.33	0.60	
		0.22	0.00	6.54	0.20	0.00	6.23	0.17	0.00	7.19	0.30	0.00	5.33	0.19	0.00
		-0.17	0.81	6.22	-0.49	0.29	6.04	-0.11	0.40	6.88	-0.01	0.27	5.06	-0.26	0.38
		-0.05	0.06	6.22	-0.13	0.03	6.04	-0.02	0.03	6.88	0.00	0.02	5.06	-0.08	0.02
		0.24	0.69	6.42	0.30	0.29	6.10	0.20	0.67	7.03	0.50	0.20	5.16	0.07	0.34
		0.08	0.06	6.42	0.08	0.03	6.10	0.04	0.04	7.03	0.15	0.02	5.16	0.02	0.02
		-0.38	0.19	6.37	0.08	0.87	6.10	0.20	0.46	6.94	0.19	1.38	5.16	0.05	0.83
		-0.12	0.02	6.37	0.02	0.08	6.10	0.04	0.03	6.94	0.06	0.11	5.16	0.02	0.04



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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		
79GV44	6.08	2.24	0.26	6.46	0.45	0.86	6.42	1.87	1.27	6.98	0.31	1.05	6.05	2.93	0.89
		0.71	0.02		0.12	0.08		0.36	0.08		0.09	0.08		0.91	0.04
NT8YFL	5.87	1.56		5.81	-2.03		5.60	-2.39		5.66	-4.21		5.32	0.57	
		0.49	0.00		-0.54	0.00		-0.46	0.00		-1.23	0.00		0.18	0.00
Q77MKK	6.21	2.64		6.16	-0.70		6.10	0.20		6.08	-2.77		5.49	1.12	
		0.83	0.00		-0.19	0.00		0.04	0.00		-0.81	0.00		0.35	0.00
WN9D4A	6.17	2.51		5.20	-4.35		5.89	-0.89		6.89	0.01		4.90	-0.78	
		0.79	0.00		-1.15	0.00		-0.17	0.00		0.00	0.00		-0.24	0.00
Grand Median		5.38			6.35			6.06			6.89			5.14	
Median Abs Dev		0.13			0.12			0.10			0.09			0.08	
Avg Within Lab SD		0.08			0.09			0.07			0.08			0.05	
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		

ECe - sp (SubTestCode 103)	in the Salinity Property Groups															Data units: dS/m
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.73	0.29	0.30	0.60	0.00	1.34	0.80	0.78	1.06	1.16	0.99	2.14	1.41	0.60	1.05	
		0.03	0.01		0.00	0.07		0.10	0.05		0.16	0.14		0.12	0.09	
FQP3HU	0.73	0.29	0.29	0.68	0.66	1.22	0.73	0.27	1.52	1.03	0.18	0.91	1.37	0.36	0.55	
		0.03	0.01		0.08	0.07		0.04	0.07		0.03	0.06		0.07	0.05	
C47NEY	0.71	0.06	1.90	0.54	-0.53	0.62	0.66	-0.25	1.22	0.92	-0.48	1.29	1.26	-0.21	1.38	
		0.01	0.08		-0.06	0.03		-0.03	0.05		-0.08	0.09		-0.04	0.12	
VJYMAG	0.71	0.06	0.35	0.66	0.53	0.70	0.69	-0.04	0.60	1.01	0.08	0.23	1.36	0.33	0.63	
		0.01	0.02		0.06	0.04		-0.01	0.03		0.01	0.02		0.06	0.05	
4RZ3B8	0.77	0.62	1.63	0.76	1.31	2.13	0.78	0.63	1.76	1.15	0.89	1.23	1.53	1.21	2.58	
		0.07	0.07		0.16	0.12		0.08	0.08		0.15	0.08		0.23	0.22	
C4PRLY	0.49	-1.98	0.27	0.53	-0.61	0.46	0.55	-1.11	0.00	0.76	-1.48	0.17	1.05	-1.28	0.00	
		-0.21	0.01		-0.07	0.03		-0.15	0.00		-0.24	0.01		-0.25	0.00	
8NA3L2	0.70	0.00	0.61	0.57	-0.25	0.37	0.72	0.22	0.35	0.96	-0.22	0.43	1.36	0.33	0.63	
		0.00	0.03		-0.03	0.02		0.03	0.02		-0.04	0.03		0.06	0.05	
382E77	0.70	0.03	0.67	0.69	0.77	0.25	0.81	0.85	0.15	1.08	0.51	0.12	1.30	0.00	0.27	
		0.00	0.03		0.09	0.01		0.11	0.01		0.08	0.01		0.00	0.02	
4XQDK7	0.60	-0.90	1.28	0.47	-1.05	2.07	0.62	-0.60	0.57	0.79	-1.26	2.71	1.20	-0.52	1.02	
		-0.10	0.06		-0.13	0.11		-0.08	0.03		-0.21	0.18		-0.10	0.09	
32WJM7	0.71	0.06	0.13	0.56	-0.33	0.37	0.71	0.14	0.26	0.90	-0.61	0.60	1.34	0.22	0.21	
		0.01	0.01		-0.04	0.02		0.02	0.01		-0.10	0.04		0.04	0.02	
M8UYGL	0.69	-0.06	3.26	0.62	0.14	3.18	0.71	0.12	3.74	1.14	0.83	1.62	1.34	0.21	0.81	
		-0.01	0.14		0.02	0.17		0.02	0.17		0.14	0.11		0.04	0.07	
2Y8W7C	0.75	0.50	0.27	0.69	0.75	0.18	0.72	0.19	0.23	1.13	0.79	0.15	1.35	0.26	0.07	
		0.05	0.01		0.09	0.01		0.03	0.01		0.13	0.01		0.05	0.01	
QV4LLK	0.72	0.19	1.23	0.68	0.70	0.70	0.68	-0.12	0.23	1.17	1.04	1.57	1.28	-0.07	2.73	
		0.02	0.05		0.08	0.04		-0.02	0.01		0.17	0.10		-0.01	0.23	
KMCVXR	0.70	0.00		0.60	0.00		0.30	-3.03								
		0.00	0.00		0.00	0.00		-0.40	0.00							
8QG8D6	0.68	-0.19	0.00	0.63	0.25	0.00	0.70	0.04	0.00	0.90	-0.61	0.00	1.10	-1.02	0.00	
		-0.02	0.00		0.03	0.00		0.01	0.00		-0.10	0.00		-0.20	0.00	
F668JV	0.66	-0.40	1.15	0.59	-0.11	0.70	0.68	-0.12	0.39	1.04	0.24	0.66	1.23	-0.36	2.15	
		-0.04	0.05		-0.01	0.04		-0.02	0.02		0.04	0.04		-0.07	0.18	
FWELDX	0.76	0.59	1.05	0.82	1.86	0.56	0.71	0.11	0.49	1.11	0.67	0.54	1.40	0.55	0.25	
		0.06	0.05		0.22	0.03		0.01	0.02		0.11	0.04		0.11	0.02	
4PWGDA	0.75	0.46		0.61	0.09		0.68	-0.12		1.07	0.43		1.41	0.59		
		0.05	0.00		0.01	0.00		-0.02	0.00		0.07	0.00		0.11	0.00	
XLBLAF	0.64	-0.56		0.59	-0.11		0.83	1.07		1.02	0.12		1.22	-0.40		
		-0.06	0.00		-0.01	0.00		0.14	0.00		0.02	0.00		-0.08	0.00	
3N2CJA	0.57	-1.24	0.74	0.51	-0.77	0.82	0.61	-0.68	0.27	0.87	-0.81	0.90	1.07	-1.18	0.24	
		-0.13	0.03		-0.09	0.04		-0.09	0.01		-0.13	0.06		-0.23	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		
KN9DZT	0.69	-0.10	1.08	0.59	-0.05	0.57	0.75	0.39	1.35	1.00	-0.01	0.64	1.34	0.24	0.30
TPMZPJ	0.35	-0.01	0.05	0.58	-0.01	0.03	0.16	0.05	0.06	0.57	0.00	0.04	0.83	0.05	0.03
79GV44	0.63	-3.22	0.49	0.56	-0.13	0.07	0.65	-4.12	0.09	1.00	-2.62	1.12	1.27	-2.44	0.27
NT8YFL	0.83	-0.35	0.02	1.14	-0.02	0.00	0.73	-0.54	0.00	0.99	-0.43	0.07	1.86	-0.47	0.02
Q77MKK	0.53	-0.69	0.51	0.70	-0.35	0.30	0.62	-0.38	0.87	0.98	0.00	0.30	1.29	-0.15	0.07
WN9D4A	0.46	-0.07	0.02	0.50	-0.04	0.02	0.52	-0.05	0.04	0.71	0.00	0.02	1.03	-0.03	0.01
		1.21			4.49			0.27			-0.06			2.92	
		0.13	0.00		0.54	0.00		0.04	0.00		-0.01	0.00		0.56	0.00
		-1.62			0.86			-0.58			-0.13			-0.04	
		-0.18	0.00		0.10	0.00		-0.08	0.00		-0.02	0.00		-0.01	0.00
		-2.23			-0.83			-1.34			-1.77			-1.38	
		-0.24	0.00		-0.10	0.00		-0.18	0.00		-0.29	0.00		-0.27	0.00
Grand Median		0.70			0.60			0.70			1.00			1.30	
Median Abs Dev		0.05			0.06			0.04			0.10			0.07	
Avg Within Lab SD		0.04			0.05			0.04			0.07			0.08	
Labs Included		26			26			26			25			25	
Labs Reporting		26			26			26			25			25	



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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: mmolc/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.42	0.26	0.90	1.10	0.43	1.08	0.34	-0.11	1.32	2.97	0.89	1.97	0.22	-0.52	0.03	
		0.09	0.05		0.32	0.09		-0.02	0.04		1.28	0.67		-0.18	0.00	
C47NEY	0.60	0.80	1.08	1.02	0.32	1.46	0.32	-0.19	0.00	2.00	0.22	1.41	0.60	0.57	1.00	
		0.26	0.06		0.24	0.12		-0.04	0.00		0.31	0.48		0.20	0.06	
VJYMAG				0.29	-0.66	1.19				1.38	-0.22	1.10				
					-0.49	0.10					-0.31	0.38				
4RZ3B8	0.33	0.00	0.70	0.54	-0.32	1.18	0.47	0.49	2.29	0.91	-0.54	0.67	0.40	0.00	1.48	
		0.00	0.04		-0.24	0.10		0.11	0.08		-0.78	0.23		0.00	0.09	
C4PRLY	1.15	2.48	0.00	2.00	1.63		1.05	3.01	0.00	3.50	1.26	0.02	0.75	1.00		
		0.82	0.00		1.22	0.00		0.69	0.00		1.81	0.01		0.35	0.00	
32WJM7	0.33	0.00	2.13	1.27	0.65	1.38	0.40	0.17	0.00	3.07	0.95	0.68	0.33	-0.19	1.95	
		0.00	0.12		0.49	0.12		0.04	0.00		1.38	0.23		-0.07	0.12	
Q77MKK	0.08	-0.77		0.33	-0.61		0.19	-0.74		0.55	-0.79		0.17	-0.66		
		-0.25	0.00		-0.45	0.00		-0.17	0.00		-1.14	0.00		-0.23	0.00	
WN9D4A	0.20	-0.40		0.20	-0.78		0.36	0.00	0.00	0.92	-0.53		1.02	1.78		
		-0.13	0.00		-0.58	0.00		0.00	0.00		-0.77	0.00		0.62	0.00	
Grand Median		0.33			0.78			0.36			1.69			0.40		
Median Abs Dev		0.13			0.47			0.04			0.96			0.20		
Avg Within Lab SD		0.05			0.08			0.03			0.34			0.06		
Labs Included		7			8			7			8			7		
Labs Reporting		7			8			7			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			
SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	3.33	0.31 0.12 0.60	0.60 0.09 0.71	3.06	-0.03 -0.02 -1.03	1.36 0.33 2.40	3.47	0.89 0.41 0.00	0.14 0.02 1.53	5.29	0.12 0.09 -1.05	0.70 0.20 2.45	6.32	0.13 0.09 -0.25	1.10 0.36 1.65
C47NEY	3.44	0.23 -0.09 1.13	0.10 1.13 0.43	2.60	-0.48 0.38 0.58	0.58 0.43 0.43	3.06	0.00 0.21 -0.29	0.21 0.21 0.21	4.43	-0.77 -0.08 0.70	0.70 0.53 0.53	6.05	-0.18 0.12 0.84	0.54 0.84 0.84
VJYMAG	3.18	-0.04 0.22 2.61	0.16 2.61 0.37	3.26	0.18 1.68 2.90	0.10 2.90 0.70	2.93	-0.13 0.65 3.09	0.03 3.09 0.41	5.14	-0.06 0.21 1.61	0.15 1.61 0.46	6.32	0.09 0.96 0.71	0.27 3.18 1.04
4RZ3B8	3.30	0.08 -1.08 0.00	0.37 0.00 0.00	3.87	0.79 -0.60 0.00	0.70 0.00 0.00	3.36	0.30 -0.89 0.00	0.41 0.00 0.00	5.35	0.15 -0.68 0.00	0.46 0.00 0.00	6.94	0.71 -0.51 -0.38	1.04 0.00 0.00
C4PRLY	2.80	-0.41 -0.37 0.84	0.00 0.84 0.19	2.80	-0.28 0.02 0.19	0.00 0.19 0.05	2.65	-0.41 0.04 0.67	0.00 0.67 0.09	4.70	-0.50 0.10 0.54	0.00 0.54 0.15	5.85	-0.38 0.00 0.81	0.00 0.81 0.27
8NA3L2	3.07	-0.14 0.00 1.16	0.12 1.16 0.03	3.09	0.01 1.29 0.13	0.05 0.13 0.03	3.08	0.02 -0.31 0.71	0.09 0.71 0.10	5.27	0.07 0.44 0.02	0.15 0.02 0.01	6.23	0.00 0.62 0.46	0.27 0.28 0.09
382E77	3.21	0.00 -1.40 0.29	0.16 0.29 0.13	3.69	0.61 -2.43 0.13	0.03 0.13 0.13	2.92	-0.14 -0.80 0.20	0.10 0.20 0.20	5.52	0.32 -1.97 0.08	0.01 0.08 0.08	6.69	0.46 -0.89 -0.66	0.09 0.12 0.04
4XQDK7	2.68	-0.54 -0.30 0.71	0.04 0.71 0.24	1.94	-1.14 -0.45 0.24	0.03 0.24 0.24	2.69	-0.37 0.23 0.86	0.03 0.86 0.86	3.75	-1.45 -0.73 0.41	0.02 0.41 0.41	5.57	-0.66 0.41 0.18	0.04 0.18 0.18
32WJM7	3.10	-0.11 0.23 0.09	0.10 0.09 0.00	2.87	-0.21 -0.11 -0.05	0.06 0.00 0.00	3.17	0.11 0.56 0.26	0.12 0.12 0.00	4.67	-0.53 -0.15 -0.11	0.12 0.00 0.00	6.53	0.30 -0.92 -0.69	0.06 0.00 0.00
QUDDLH	3.30	0.04 0.01 0.09	0.64 0.09 0.00	3.03	0.31 0.15 0.09	0.39 0.09 0.09	3.32	-0.35 -0.16 0.10	0.72 0.10 0.10	5.09	-0.29 -0.21 0.05	0.17 0.05 0.05	5.54	-0.79 -0.59 0.20	0.00 0.00 0.89
2Y8W7C	3.23	0.25 1.53 0.10	1.53 0.10 0.22	3.23	0.78 0.37 0.25	1.05 0.25 0.25	2.90	-0.31 -0.14 0.10	0.74 0.10 0.10	4.99	0.02 0.02 0.15	0.54 0.15 0.15	5.64	0.20 0.15 0.29	0.89 0.29 0.29
QV4LLK	3.31	0.13 0.05 0.04	0.29 0.04 0.04	3.45	-0.10 -0.05 0.06	0.23 0.06 0.06	2.92	0.05 0.02 0.17	1.27 0.17 1.31	5.22	0.31 0.23 0.12	0.43 0.12 0.12	6.38	0.57 0.42 0.20	0.61 0.20 0.20
F668JV	3.26	0.96 0.37 0.25	1.76 0.25 0.25	3.03	1.39 0.65 0.10	0.41 0.10 0.10	3.08	0.40 0.19 0.18	1.31 0.18 0.18	5.43	0.00 0.00 0.20	0.70 0.20 0.20	6.65	-0.67 -0.50 0.54	0.54 0.18 0.18
FWELDX	3.58	0.34 0.13 0.00	0.00 0.00 0.00	3.73	-0.01 0.13 0.00	0.00 0.00 0.00	3.25	0.28 0.13 0.00	0.28 0.00 0.00	5.20	0.12 0.30 0.00	0.20 0.00 0.00	5.73	0.54 0.22 0.60	0.18 0.00 0.60
4PWGDA	3.34	-0.58 -0.22 0.00	0.00 0.00 0.95	3.07	-0.01 0.13 -0.64	0.00 0.00 0.53	3.19	0.13 1.73 0.00	0.00 0.00 0.41	5.29	0.09 0.30 -1.79	0.00 0.00 1.97	6.64	0.41 0.22 -1.92	0.00 0.00 0.60
XLBLAF	2.99	-0.91 -0.88 1.37	0.13 1.37 0.86	2.78	-0.30 0.08 0.80	0.13 0.80 0.80	4.79	-0.39 -0.14 1.28	0.05 1.28 1.28	5.50	-1.32 -0.52 2.47	0.56 2.47 2.47	6.45	-1.44 0.00 1.41	0.19 1.41 1.41
3N2CJA	2.31	-0.34 0.10 0.86	0.19 0.86 0.36	3.12	0.04 2.42 1.50	0.19 1.50 0.36	3.00	-0.06 0.03 1.05	0.17 1.05 1.05	4.82	-0.38 1.43 0.43	0.70 0.43 0.43	6.23	0.00 1.57 1.29	0.46 1.29 1.29
KN9DZT	2.88	0.10 0.04 0.12	0.86 0.12 0.36	4.22	1.14 0.36 -0.12	0.36 0.36 0.00	3.07	0.01 0.01 -3.03	0.14 0.14 0.00	6.25	1.05 1.05 -3.72	0.12 0.12 0.00	7.40	1.17 -2.44 -1.82	0.42 0.42 0.00
TPMZPJ	3.25	-3.41 -1.31 0.00	0.00 0.00 0.00	3.03	-0.06 -0.06 0.00	0.00 0.00 0.00	1.66	-1.40 -1.40 0.00	0.00 0.00 0.00	2.47	-2.74 -2.74 0.00	0.00 0.00 0.00	4.41	-1.82 -1.82 0.00	0.00 0.00 0.00
NT8YFL	1.91														



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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		
Q77MKK	3.01	-0.53		3.08	0.00		2.91	-0.33		5.22	0.03		5.96	-0.36	
		-0.20	0.00		0.00	0.00		-0.15	0.00		0.02	0.00		-0.27	0.00
WN9D4A	37.19	88.60		32.31	62.32		30.51	59.44		53.95	66.34		71.00	86.78	
		33.98	0.00		29.23	0.00		27.45	0.00		48.75	0.00		64.77	0.00
Grand Median		3.21			3.08			3.06			5.20			6.23	
Median Abs Dev		0.13			0.18			0.15			0.23			0.41	
Avg Within Lab SD		0.14			0.24			0.13			0.28			0.33	
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		

Mg - sp (SubTestCode 106)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	1.41	0.70	0.37	1.17	-0.57	1.15	1.23	0.45	0.11	4.42	0.48	0.68	4.71	0.11	1.12	
		0.12	0.03		-0.08	0.11		0.10	0.01		0.29	0.20		0.05	0.33	
C47NEY	1.59	1.74	1.99	1.06	-1.38	1.18	1.24	0.51	2.89	3.91	-0.37	2.34	4.66	0.00	1.55	
		0.30	0.16		-0.19	0.11		0.11	0.18		-0.22	0.67		0.00	0.45	
VJYMAG	1.26	-0.17	1.19	1.32	0.47	0.86	1.04	-0.40	0.77	4.03	-0.16	0.76	4.44	-0.43	0.97	
		-0.03	0.10		0.07	0.08		-0.09	0.05		-0.10	0.22		-0.21	0.29	
4RZ3B8	1.45	0.89	2.25	1.58	2.32	2.76	1.30	0.76	2.51	4.13	0.00	1.49	5.02	0.74	2.89	
		0.16	0.18		0.33	0.27		0.17	0.16		0.00	0.43		0.36	0.85	
C4PRLY	1.16	-0.77	0.14	1.09	-1.11	0.12	1.00	-0.59		3.84	-0.48	0.04	4.25	-0.83		
		-0.13	0.01		-0.16	0.01		-0.13	0.00		-0.29	0.01		-0.41	0.00	
8NA3L2	1.37	0.43	0.90	1.25	0.00	0.28	1.19	0.26	0.49	4.52	0.64	0.39	4.76	0.22	0.64	
		0.08	0.07		0.00	0.03		0.06	0.03		0.39	0.11		0.11	0.19	
382E77	1.27	-0.12	0.76	1.32	0.52	0.12	0.99	-0.62	0.52	4.30	0.28	0.03	4.64	-0.03	0.26	
		-0.02	0.06		0.07	0.01		-0.14	0.03		0.17	0.01		-0.02	0.08	
4XQDK7	1.28	-0.07	0.43	1.08	-1.23	0.16	1.20	0.33	0.09	3.33	-1.34	0.07	4.37	-0.59	0.06	
		-0.01	0.03		-0.17	0.02		0.07	0.01		-0.80	0.02		-0.29	0.02	
32WJM7	1.57	1.58	0.72	1.27	0.12	0.60	1.37	1.08	0.93	4.13	0.01	0.53	5.37	1.46	0.20	
		0.28	0.06		0.02	0.06		0.24	0.06		0.00	0.15		0.71	0.06	
QUDDLH	1.53	1.37		1.29	0.28		1.40	1.23		4.58	0.75		4.65	-0.01		
		0.24	0.00		0.04	0.00		0.27	0.00		0.45	0.00		-0.01	0.00	
2Y8W7C	1.39	0.56	0.63	1.27	0.16	0.18	1.07	-0.27	0.46	4.00	-0.21	0.04	4.17	-0.99	0.02	
		0.10	0.05		0.02	0.02		-0.06	0.03		-0.13	0.01		-0.48	0.00	
QV4LLK	1.29	0.00	1.98	1.26	0.04	1.75	0.97	-0.75	0.54	3.89	-0.41	1.77	4.28	-0.78	1.97	
		0.00	0.16		0.01	0.17		-0.16	0.03		-0.24	0.51		-0.38	0.58	
F668JV	1.32	0.15	0.44	1.14	-0.78	0.28	1.08	-0.23	0.90	4.46	0.56	0.41	4.69	0.07	0.61	
		0.03	0.04		-0.11	0.03		-0.05	0.06		0.33	0.12		0.03	0.18	
FWELDX	1.39	0.57	1.07	1.43	1.28	0.10	1.13	0.00	0.74	4.12	-0.02	0.44	4.24	-0.86	0.44	
		0.10	0.09		0.18	0.01		0.00	0.05		-0.01	0.13		-0.42	0.13	
4PWGDA	1.49	1.14		1.25	0.01		1.20	0.33		4.63	0.84		5.22	1.16		
		0.20	0.00		0.00	0.00		0.07	0.00		0.50	0.00		0.56	0.00	
XLBLAF	1.28	-0.07		1.24	-0.07		1.75	2.82		4.58	0.75		4.69	0.07		
		-0.01	0.00		-0.01	0.00		0.62	0.00		0.45	0.00		0.03	0.00	
3N2CJA	1.19	-0.57	1.10	1.22	-0.22	0.52	0.97	-0.72	0.31	3.21	-1.54	1.55	3.71	-1.94	0.51	
		-0.10	0.09		-0.03	0.05		-0.16	0.02		-0.92	0.45		-0.94	0.15	
KN9DZT	1.24	-0.30	1.11	1.21	-0.28	0.81	1.12	-0.06	0.92	4.01	-0.19	2.40	4.78	0.26	1.67	
		-0.05	0.09		-0.04	0.08		-0.01	0.06		-0.12	0.69		0.12	0.49	
TPMZPJ	1.28	-0.05	0.47	1.59	2.44	2.31	1.16	0.14	1.26	4.75	1.03	0.41	5.10	0.92	0.17	
		-0.01	0.04		0.34	0.22		0.03	0.08		0.62	0.12		0.45	0.05	
NT8YFL	0.79	-2.91		1.18	-0.53		0.60	-2.41		2.05	-3.48		3.43	-2.53		
		-0.51	0.00		-0.08	0.00		-0.53	0.00		-2.09	0.00		-1.23	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		
Q77MKK	1.29	-0.01	0.00	1.20	-0.35	0.00	1.08	-0.23	0.00	4.50	0.62	0.00	4.73	0.15	0.00
WN9D4A	2.40	6.38	0.00	2.20	6.74	0.00	1.70	2.59	0.00	10.10	9.96	0.00	11.60	14.28	0.00
		1.11	0.00		0.95	0.00		0.57	0.00		5.97	0.00		6.94	0.00
Grand Median		1.29			1.25			1.13			4.13			4.66	
Median Abs Dev		0.10			0.07			0.10			0.29			0.29	
Avg Within Lab SD		0.08			0.10			0.06			0.29			0.29	
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		

Na - sp (SubTestCode 107)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.78	1.10	1.44	0.96	0.33	0.86	0.63	2.90	4.02	1.17	4.77	3.72	0.41	1.84	2.58	
		0.20	0.09		0.07	0.07		0.28	0.23		0.97	0.57		0.16	0.13	
C47NEY	1.31	4.01	0.89	0.83	-0.34	1.22	0.35	0.00	1.04	0.20	0.01	0.55	0.27	0.17	1.26	
		0.73	0.06		-0.07	0.10		0.00	0.06		0.00	0.08		0.01	0.06	
VJYMAG	0.61	0.16	0.69	1.00	0.51	0.55	0.36	0.12	0.44	0.70	2.45	1.03	0.23	-0.22	0.50	
		0.03	0.04		0.10	0.04		0.01	0.03		0.50	0.16		-0.02	0.03	
4RZ3B8	0.49	-0.48	2.81	0.71	-0.93	1.74	0.24	-1.21	0.62	0.14	-0.26	0.53	0.16	-1.06	0.40	
		-0.09	0.18		-0.19	0.14		-0.11	0.04		-0.05	0.08		-0.09	0.02	
C4PRLY	0.52	-0.33	0.00	0.83	-0.33	0.00	0.30	-0.54	0.00	0.16	-0.16	0.08	0.25	0.03	0.11	
		-0.06	0.00		-0.07	0.00		-0.05	0.00		-0.03	0.01		0.00	0.01	
8NA3L2	0.56	-0.11	0.57	0.83	-0.31	0.07	0.37	0.16	0.74	0.23	0.15	0.10	0.32	0.77	0.23	
		-0.02	0.04		-0.06	0.01		0.02	0.04		0.03	0.02		0.07	0.01	
382E77	0.97	2.15	1.20	1.21	1.54	2.06	0.57	2.30	1.06	0.59	1.93	0.90	0.50	2.87	2.70	
		0.39	0.08		0.31	0.16		0.22	0.06		0.39	0.14		0.25	0.14	
4XQDK7	0.56	-0.11	0.00	0.82	-0.36	0.15	0.34	-0.12	0.00	0.15	-0.21	0.04	0.25	-0.01		
		-0.02	0.00		-0.07	0.01		-0.01	0.00		-0.04	0.01		0.00	0.00	
32WJM7	0.70	0.65	0.00	1.03	0.68	0.73	0.40	0.51	0.00	0.27	0.34	0.38	0.30	0.58	0.00	
		0.12	0.00		0.14	0.06		0.05	0.00		0.07	0.06		0.05	0.00	
QUDDLH	0.73	0.82		0.89	-0.03		0.40	0.51		0.22	0.11		0.25	-0.01		
		0.15	0.00		-0.01	0.00		0.05	0.00		0.02	0.00		0.00	0.00	
2Y8W7C	0.63	0.26	0.21	0.93	0.18	0.31	0.36	0.12	0.68	0.17	-0.13	0.07	0.25	-0.01	0.18	
		0.05	0.01		0.04	0.02		0.01	0.04		-0.03	0.01		0.00	0.01	
QV4LLK	0.58	0.00	2.24	0.90	0.00	2.29	0.30	-0.51	0.79	0.15	-0.22	0.31	0.25	0.00	1.32	
		0.00	0.14		0.00	0.18		-0.05	0.04		-0.05	0.05		0.00	0.07	
F668JV	0.58	-0.02	0.09	0.86	-0.17	0.19	0.33	-0.23	0.18	0.20	0.00	0.48	0.25	-0.05	0.11	
		0.00	0.01		-0.03	0.02		-0.02	0.01		0.00	0.07		0.00	0.01	
FWELDX	0.53	-0.26	1.51	0.94	0.20	0.15	0.28	-0.72	0.37				0.23	-0.24		
		-0.05	0.09		0.04	0.01		-0.07	0.02					-0.02	0.00	
4PWGDA	0.68	0.56		1.00	0.51		0.41	0.60		0.36	0.60		0.36	1.24		
		0.10	0.00		0.10	0.00		0.06	0.00		0.06	0.00		0.11	0.00	
XLBLAF	0.68	0.54		1.04	0.71		0.52	1.78		0.28			0.28	0.34		
		0.10	0.00		0.14	0.00		0.17	0.00					0.03	0.00	
3N2CJA	0.50	-0.46	0.60	0.68	-1.09	0.30	0.29	-0.61	0.06	0.14	-0.28	0.11	0.22	-0.41	0.25	
		-0.08	0.04		-0.22	0.02		-0.06	0.00		-0.06	0.02		-0.03	0.01	
KN9DZT	0.50	-0.44	0.48	0.83	-0.31	1.17	0.30	-0.58	0.45				0.25	-0.01		
		-0.08	0.03		-0.06	0.09		-0.05	0.03					0.00	0.00	
TPMZPJ	0.49	-0.51	0.33	0.99	0.46	1.95	0.34	-0.12	0.18	0.19	-0.03	0.41	0.41	1.86	1.77	
		-0.09	0.02		0.09	0.15		-0.01	0.01		-0.01	0.06		0.16	0.09	
NT8YFL	0.77	1.04		1.93	5.13		0.37	0.20		0.21	0.07		0.41	1.86		
		0.19	0.00		1.03	0.00		0.02	0.00		0.01	0.00		0.16	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		
Q77MKK	0.55	-0.17		0.89	-0.03		0.32	-0.33		0.13	-0.33		0.20	-0.59	
		-0.03	0.00		-0.01	0.00		-0.03	0.00		-0.07	0.00		-0.05	0.00
WN9D4A	5.10	24.70		2.90	9.94		1.70	14.21		0.40	1.00		3.60	39.10	
		4.52	0.00		2.00	0.00		1.35	0.00		0.20	0.00		3.35	0.00
Grand Median		0.58			0.90			0.35			0.20			0.25	
Median Abs Dev		0.08			0.07			0.05			0.04			0.03	
Avg Within Lab SD		0.06			0.08			0.06			0.15			0.05	
Labs Included		21			21			21			17			21	
Labs Reporting		21			21			21			17			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		

SAR - sp (SubTestCode 108)	in the Salinity Property Groups															Data units: value
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.51	0.20	1.66	0.66	0.00	0.14	0.41	1.61	3.84	0.53	3.32	3.08	0.18	0.45	1.16	
		0.04	0.06		0.00	0.01		0.15	0.15		0.43	0.25		0.06	0.06	
C47NEY	0.83	1.87	1.34	0.61	-0.23	0.19	0.24	-0.23	0.81	0.10	-0.01	0.49	0.11	0.00	0.43	
		0.36	0.05		-0.05	0.02		-0.02	0.03		0.00	0.04		0.00	0.02	
VJYMAG	0.41	-0.33	0.53	0.66	0.00	0.27	0.26	0.00	0.45	0.32	1.74	0.83	0.10	-0.10	0.19	
		-0.06	0.02		0.00	0.02		0.00	0.02		0.23	0.07		-0.01	0.01	
4RZ3B8	0.32	-0.78	2.92	0.43	-1.11	1.01	0.15	-1.14	0.37	0.07	-0.25	0.47	0.07	-0.36	0.06	
		-0.15	0.11		-0.23	0.09		-0.11	0.01		-0.03	0.04		-0.05	0.00	
8NA3L2	0.37	-0.50	0.64	0.57	-0.46	0.13	0.25	-0.11	0.68	0.10	0.04	0.14	0.14	0.17	0.11	
		-0.10	0.03		-0.10	0.01		-0.01	0.03		0.01	0.01		0.02	0.01	
382E77	0.65	0.94	1.59	0.76	0.47	1.22	0.41	1.58	1.30	0.27	1.31	0.83	0.21	0.68	0.96	
		0.18	0.06		0.10	0.11		0.15	0.05		0.17	0.07		0.09	0.05	
32WJM7	0.50	0.16	0.00	0.73	0.34	0.67	0.30	0.43	0.00	0.10	0.02	0.00	0.10	-0.10	0.00	
		0.03	0.00		0.07	0.06		0.04	0.00		0.00	0.00		-0.01	0.00	
QUDDLH	0.47	0.00	0.00	0.61	-0.25	0.00	0.26	0.00	0.00	0.10	0.02	0.00	0.11	-0.03	0.00	
		-0.30	0.15		-0.05	0.00		0.00	0.68		0.00	0.00		0.00	0.00	
2Y8W7C	0.41	-0.06	0.01	0.62	-0.19	0.18	0.26	0.00	0.03	0.08	-0.11	0.07	0.11	-0.01	0.11	
		-0.06	0.01		-0.04	0.02		0.00	0.03		-0.01	0.01		0.00	0.01	
F668JV	0.38	-0.47	0.00	0.60	-0.30	0.20	0.23	-0.32	0.00	0.09	-0.06	0.43	0.10	-0.10	0.00	
		-0.09	0.00		-0.06	0.02		-0.03	0.00		-0.01	0.03		-0.01	0.00	
FWELDX	0.33	-0.71	1.06	0.59	-0.37	0.07	0.19	-0.76	0.26		-0.01	0.03	0.10	-0.10	0.00	
		-0.14	0.04		-0.08	0.01		-0.07	0.01					-0.01	0.00	
4PWGDA	0.44	-0.16	0.00	0.68	0.08	0.00	0.28	0.22	0.00		0.02	0.00	0.15	0.26	0.00	
		-0.03	0.00		0.02	0.00		0.02	0.00		0.02	0.00		0.04	0.00	
XLBLAF	0.47	0.00	0.00	0.70	0.18	0.00	0.29	0.32	0.00				0.12	0.04	0.00	
		0.00	0.00		0.04	0.00		0.03	0.00					0.01	0.00	
3N2CJA	0.38	-0.49	0.39	0.48	-0.88	0.20	0.22	-0.43	0.00	0.07	-0.19	0.05	0.10	-0.08	0.11	
		-0.09	0.02		-0.18	0.02		-0.04	0.00		-0.02	0.00		-0.01	0.01	
KN9DZT	0.34	-0.66	0.59	0.57	-0.46	0.53	0.20	-0.61	0.39				0.10	-0.10	0.00	
		-0.13	0.02		-0.10	0.05		-0.06	0.02					-0.01	0.00	
TPMZPJ	0.73	1.37	1.03	1.70	5.00	3.94	0.50	2.55	0.65	0.45	2.70	1.85	1.02	6.70	4.06	
		0.26	0.04		1.04	0.34		0.24	0.03		0.35	0.15		0.91	0.21	
NT8YFL	0.47	0.01	0.00	0.94	1.35	0.00	0.25	-0.13	0.00	0.10	0.00	0.00	0.15	0.25	0.00	
		0.00	0.00		0.28	0.00		-0.01	0.00		0.00	0.00		0.03	0.00	
Q77MKK	0.53	0.31	0.00	0.86	0.95	0.00	0.32	0.65	0.00	0.08	-0.14	0.00	0.12	0.04	0.00	
		0.06	0.00		0.20	0.00		0.06	0.00		-0.02	0.00		0.01	0.00	
WN9D4A	1.15	3.55	0.00	0.70	0.18	0.00	0.42	1.73	0.00	0.07	-0.22	0.00	0.55	3.21	0.00	
		0.68	0.00		0.04	0.00		0.16	0.00		-0.03	0.00		0.44	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		0.47			0.66			0.26			0.10			0.11	
Median Abs Dev		0.09			0.07			0.04			0.02			0.01	
Avg Within Lab SD		0.04			0.09			0.04			0.08			0.05	
Labs Included		19			19			19			15			19	
Labs Reporting		19			19			19			15			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		

Cl - sp (SubTestCode 109)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.49	0.93	2.75	0.48	0.63	2.88	0.83	3.09	4.23	1.22	3.79	3.56	0.26	1.21	3.49	
		0.11	0.13		0.06	0.11		0.35	0.33		1.02	0.69		0.12	0.15	
C47NEY	0.87	4.15	2.28	0.30	-1.31	1.36	0.32	-1.41	0.85	0.15	-0.18	0.40	0.10	-0.42	0.78	
		0.49	0.11		-0.12	0.05		-0.16	0.07		-0.05	0.08		-0.04	0.03	
VJYMAG	0.36	-0.16	0.36	0.40	-0.20	0.42	0.48	0.00	0.00	0.81	2.26	1.31	0.12	-0.18	0.99	
		-0.02	0.02		-0.02	0.02		0.00	0.00		0.61	0.25		-0.02	0.04	
VAPLNG	0.35	-0.24	0.36	0.41	-0.10	1.10	0.48	0.00	0.37	0.93	2.72	2.28	0.11	-0.28	0.65	
		-0.03	0.02		-0.01	0.04		0.00	0.03		0.73	0.44		-0.03	0.03	
4RZ3B8	0.48	0.89	0.39	0.58	1.66	1.29	0.58	0.84	1.07	0.29	0.33	0.19	0.27	1.30	0.94	
		0.11	0.02		0.15	0.05		0.10	0.08		0.09	0.04		0.13	0.04	
C4PRLY	0.39	0.12	0.00	0.45	0.29	0.00	0.34	-1.23	0.00	0.06	-0.52	0.00	0.14	0.00	0.00	
		0.01	0.00		0.03	0.00		-0.14	0.00		-0.14	0.00		0.00	0.00	
8NA3L2	0.30	-0.67	0.25	0.36	-0.71	0.30	0.42	-0.53	0.13	0.12	-0.29	0.03	0.10	-0.41	0.23	
		-0.08	0.01		-0.07	0.01		-0.06	0.01		-0.08	0.01		-0.04	0.01	
382E77	0.40	0.23	0.75	0.47	0.47	0.39	0.48	0.00	0.13	0.22	0.06	0.11	0.17	0.34	0.53	
		0.03	0.04		0.04	0.02		0.00	0.01		0.02	0.02		0.03	0.02	
4XQDK7	0.34	-0.34	0.12	0.41	-0.14	0.26	0.44	-0.35	0.13	0.22	0.09	0.03	0.20	0.65	0.13	
		-0.04	0.01		-0.01	0.01		-0.04	0.01		0.02	0.01		0.06	0.01	
32WJM7	0.44	0.51	1.39	0.49	0.72	1.29	0.57	0.79	0.26	0.26	0.22	0.32	0.18	0.38	0.48	
		0.06	0.07		0.07	0.05		0.09	0.02		0.06	0.06		0.04	0.02	
2Y8W7C	0.43	0.47	0.18	0.45	0.30	0.29	0.55	0.64	0.75	0.15	-0.19	0.03	0.13	-0.11	0.30	
		0.06	0.01		0.03	0.01		0.07	0.06		-0.05	0.01		-0.01	0.01	
QV4LLK	0.34	-0.32	1.27	0.39	-0.35	1.05	0.48	0.01	0.38	0.13	-0.27	0.14	0.11	-0.29	0.51	
		-0.04	0.06		-0.03	0.04		0.00	0.03		-0.07	0.03		-0.03	0.02	
F668JV	0.34	-0.31	0.56	0.41	-0.14	0.26	0.48	-0.03	0.20	0.13	-0.25	0.03	0.12	-0.17	0.13	
		-0.04	0.03		-0.01	0.01		0.00	0.02		-0.07	0.01		-0.02	0.01	
FWELDX				0.58	1.63	0.55	0.59	0.97	0.39							
					0.15	0.02		0.11	0.03							
4PWGDA	0.43	0.42		0.48	0.58		0.57	0.77		0.18	-0.06		0.21	0.74		
		0.05	0.00		0.05	0.00		0.09	0.00		-0.02	0.00		0.07	0.00	
XLBLAF	0.30	-0.64		0.37	-0.57		0.56	0.70		0.16	-0.15					
		-0.08	0.00		-0.05	0.00		0.08	0.00		-0.04	0.00				
3N2CJA	0.29	-0.76	0.52	0.34	-0.93	0.72	0.45	-0.30	0.07	0.09	-0.40	0.10	0.08	-0.62	0.07	
		-0.09	0.02		-0.09	0.03		-0.03	0.01		-0.11	0.02		-0.06	0.00	
		-0.83	0.69		-0.86	0.76		-0.17	0.08		-0.37	0.04		-0.68	0.08	
	0.28	-0.10	0.03	0.34	-0.08	0.03	0.46	-0.02	0.01	0.10	-0.10	0.01	0.07	-0.07	0.00	
KN9DZT				0.58	1.68		0.67	1.63	0.83							
					0.16	0.00		0.19	0.06							
TPMZPJ	0.49	0.93	0.89	0.56	1.51	1.81	0.51	0.26	0.23	0.27	0.25	0.21	0.28	1.40	1.71	
		0.11	0.04		0.14	0.07		0.03	0.02		0.07	0.04		0.14	0.07	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
79GV44	0.36	-0.12	0.90	0.43	0.03	0.98	0.41	-0.58	0.61	0.24	0.17	0.12	0.18	0.45	0.23
		-0.01	0.04		0.00	0.04		-0.07	0.05		0.04	0.02		0.04	0.01
Q77MKK	0.43	0.45		0.42	-0.03		0.42	-0.53		0.45	0.93		0.45	3.19	
		0.05	0.00		0.00	0.00		-0.06	0.00		0.25	0.00		0.31	0.00
Grand Median		0.38			0.42			0.48			0.20			0.14	
Median Abs Dev		0.05			0.05			0.06			0.07			0.04	
Avg Within Lab SD		0.05			0.04			0.08			0.19			0.04	
Labs Included		20			22			22			20			19	
Labs Reporting		20			22			22			20			19	



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

SO4 - sp (SubTestCode 110)	in the Salinity Property Groups														Data units: mmol/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
NRW8AP	1.00	0.65	0.49	0.88	0.41	0.15	0.69	0.82	0.46	0.60	0.79	0.31	0.44	0.03	0.00
		0.15	0.04		0.07	0.01		0.09	0.03		0.10	0.01		0.00	0.00
C47NEY	1.86	4.30	3.52	0.76	-0.28	0.33	0.71	1.03	3.81	0.59	0.71	2.49	0.51	0.60	0.93
		1.02	0.28		-0.05	0.02		0.11	0.23		0.09	0.12		0.08	0.06
VJYMAG	0.81	-0.16	0.41	0.90	0.53	0.91	0.60	-0.03	0.20	0.47	-0.25	0.26	0.36	-0.59	0.18
		-0.04	0.03		0.10	0.07		0.00	0.01		-0.03	0.01		-0.07	0.01
VAPLNG	0.82	-0.10	0.81	0.95	0.80	0.87	0.63	0.29	0.19	0.57	0.52	1.56	0.45	0.12	1.25
		-0.02	0.06		0.14	0.06		0.03	0.01		0.07	0.07		0.02	0.08
4RZ3B8	1.00	0.66	1.01	0.99	1.00	1.43	0.70	0.90	1.08	0.56	0.45	0.94	0.53	0.75	0.68
		0.16	0.08		0.18	0.11		0.10	0.06		0.06	0.04		0.09	0.05
C4PRLY	0.79	-0.22	0.00	0.75	-0.32		0.50	-0.94		0.50	-0.03		0.46	0.19	0.00
		-0.05	0.00		-0.06	0.00		-0.10	0.00		0.00	0.00		0.02	0.00
8NA3L2	0.66	-0.76	0.07	0.55	-1.45	0.21	0.45	-1.38	0.10	0.33	-1.38	0.21	0.28	-1.26	0.09
		-0.18	0.01		-0.26	0.02		-0.15	0.01		-0.17	0.01		-0.16	0.01
382E77	0.89	0.18	0.51	0.96	0.87	0.99	0.63	0.24	0.26	0.56	0.42	0.45	0.53	0.75	1.68
		0.04	0.04		0.16	0.07		0.03	0.02		0.05	0.02		0.09	0.11
4XQDK7	0.97	0.53	0.00	0.80	-0.02	0.21	0.59	-0.13	0.77	0.59	0.72	0.66	0.42	-0.10	0.52
		0.13	0.00		0.00	0.02		-0.01	0.05		0.09	0.03		-0.01	0.04
32WJM7	0.97	0.53	0.58	0.86	0.31	0.67	0.64	0.34	0.26	0.51	0.03	0.33	0.46	0.17	0.09
		0.13	0.05		0.06	0.05		0.04	0.02		0.00	0.02		0.02	0.01
2Y8W7C	0.97	0.55	0.08	0.81	0.02	0.20	0.60	0.03	0.81	0.53	0.19	0.98	0.43	-0.03	0.45
		0.13	0.01		0.00	0.01		0.00	0.05		0.02	0.05		0.00	0.03
QV4LLK	0.75	-0.38	0.49	0.64	-0.92	0.54	0.50	-0.91	0.20	0.38	-1.01	0.47	0.34	-0.74	0.52
		-0.09	0.04		-0.17	0.04		-0.10	0.01		-0.13	0.02		-0.09	0.04
8QG8D6	2.57	7.27	0.74	3.08	12.65	1.84	2.41	16.98	0.89	1.97	11.62	2.87	1.17	5.85	1.03
		1.72	0.06		2.28	0.13		1.81	0.05		1.46	0.13		0.74	0.07
F668JV	0.85	0.01	1.45	0.72	-0.46	0.75	0.57	-0.32	0.19	0.47	-0.24	0.25	0.43	-0.07	0.17
		0.00	0.11		-0.08	0.06		-0.03	0.01		-0.03	0.01		-0.01	0.01
FWELDX	0.98	0.58	1.44	1.02	1.17	0.77	0.64	0.37	0.89	0.69	1.48	0.37	0.52	0.67	0.26
		0.14	0.11		0.21	0.06		0.04	0.05		0.19	0.02		0.08	0.02
4PWGDA	0.98	0.57		0.83	0.11		0.64	0.36		0.56	0.47		0.55	0.89	
		0.14	0.00		0.02	0.00		0.04	0.00		0.06	0.00		0.11	0.00
XLBLAF	0.84	-0.01		0.69	-0.65		0.73	1.21		0.39	-0.90		0.37	-0.52	
		0.00	0.00		-0.12	0.00		0.13	0.00		-0.11	0.00		-0.07	0.00
3N2CJA	0.58	-1.10	0.27	0.54	-1.47	0.57	0.47	-1.19	0.13	0.27	-1.85	1.27	0.23	-1.65	0.08
		-0.26	0.02		-0.27	0.04		-0.13	0.01		-0.23	0.06		-0.21	0.01
KN9DZT	0.79	-0.22	0.44	0.66	-0.82	0.85	0.53	-0.66	0.77	0.32	-1.43	0.45	0.35	-0.65	0.31
		-0.05	0.03		-0.15	0.06		-0.07	0.05		-0.18	0.02		-0.08	0.02
TPMZPJ	0.59	-1.08	0.51	1.01	1.13	3.49	0.49	-1.01	1.08	0.50	-0.05	2.52	0.80	2.86	3.65
		-0.26	0.04		0.20	0.26		-0.11	0.06		-0.01	0.12		0.36	0.25



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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		
Q77MKK	0.64	-0.86	0.00	0.67	-0.76	0.00	0.46	-1.32	0.00	0.43	-0.58	0.00	0.33	-0.84	0.00
Grand Median	0.84			0.81			0.60			0.50			0.44		
Median Abs Dev	0.13			0.13			0.08			0.07			0.08		
Avg Within Lab SD	0.08			0.07			0.06			0.05			0.07		
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		

NO3 - sp (SubTestCode 111)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	4.39	0.01	0.53	2.77	-0.56	2.10	4.49	0.38	0.13	5.88	-0.43	1.82	11.03	-0.04	0.90	
		0.01	0.12		-0.79	0.58		0.28	0.03		-0.97	0.79		-0.08	0.50	
VJYMAG	4.63	0.28	1.22	4.11	0.39	0.87	3.98	-0.29	1.67	7.62	0.34	0.99	11.56	0.24	1.55	
		0.24	0.27		0.54	0.24		-0.22	0.40		0.77	0.43		0.45	0.87	
4RZ3B8	4.91	0.60	1.83	4.72	0.82	2.85	4.66	0.60	1.97	8.68	0.82	1.20	12.33	0.64	3.13	
		0.52	0.40		1.16	0.79		0.45	0.48		1.84	0.52		1.22	1.75	
C4PRLY	4.06	-0.38	0.00	2.34	-0.87	0.00	3.29	-1.21	0.00	5.52	-0.59	0.00	10.40	-0.37	0.00	
		-0.33	0.00		-1.23	0.00		-0.91	0.00		-1.33	0.00		-0.71	0.00	
8NA3L2	1.56	-3.28	0.43	1.16	-1.71	0.16	1.80	-3.19	0.22	2.32	-2.03	0.30	5.19	-3.11	0.46	
		-2.83	0.10		-2.40	0.05		-2.40	0.05		-4.53	0.13		-5.92	0.26	
382E77	5.01	0.72	1.04	4.75	0.84	0.14	4.47	0.36	0.59	9.25	1.08	0.29	12.60	0.78	0.48	
		0.62	0.23		1.18	0.04		0.27	0.14		2.41	0.13		1.49	0.27	
2Y8W7C	4.54	0.17	1.00	3.75	0.13	0.18	4.35	0.20	1.68	7.20	0.16	0.51	10.29	-0.43	0.36	
		0.15	0.22		0.19	0.05		0.15	0.41		0.35	0.22		-0.82	0.20	
QV4LLK	4.68	0.34	1.38	4.15	0.42	0.72	4.15	-0.07	1.66	8.21	0.61	1.07	12.07	0.50	1.35	
		0.29	0.30		0.59	0.20		-0.05	0.40		1.36	0.46		0.96	0.75	
F668JV	3.83	-0.64	0.98	2.45	-0.79	0.31	4.26	0.07	0.27	5.00	-0.83	0.33	12.27	0.61	0.32	
		-0.56	0.21		-1.11	0.09		0.05	0.07		-1.84	0.14		1.16	0.18	
FWELDX	4.77	0.44	1.76	4.74	0.84	0.62	4.51	0.41	0.73	8.38	0.69	0.37	12.17	0.56	0.48	
		0.38	0.39		1.18	0.17		0.31	0.18		1.54	0.16		1.06	0.27	
4PWGDA	4.47	0.10	0.00	3.02	-0.39	0.00	3.72	-0.64	0.00	6.50	-0.16	0.00	11.07	-0.02	0.00	
		0.09	0.00		-0.54	0.00		-0.48	0.00		-0.35	0.00		-0.04	0.00	
XLBLAF	2.63	-2.04	0.00	1.53	-1.45	0.00	5.31	1.47	0.00	4.51	-1.05	0.00	9.14	-1.03	0.00	
		-1.76	0.00		-2.04	0.00		1.11	0.00		-2.34	0.00		-1.97	0.00	
3N2CJA	3.84	-0.63	0.72	3.38	-0.13	1.12	3.93	-0.36	0.31	6.11	-0.33	2.84	9.06	-1.08	0.42	
		-0.54	0.16		-0.19	0.31		-0.27	0.08		-0.74	1.23		-2.05	0.23	
KN9DZT	3.50	-1.03	1.08	2.55	-0.72	0.49	4.49	0.38	1.51	4.71	-0.96	0.63	11.43	0.17	0.27	
		-0.89	0.24		-1.02	0.13		0.29	0.36		-2.13	0.27		0.32	0.15	
TPMZPJ	4.28	-0.12	0.98	3.97	0.29	0.29	3.61	-0.79	0.65	7.36	0.23	0.11	8.82	-1.20	0.14	
		-0.11	0.22		0.40	0.08		-0.60	0.16		0.52	0.05		-2.29	0.08	
Q77MKK	4.38	-0.01	0.00	4.17	0.43	0.00	3.92	-0.37	0.00	7.96	0.50	0.00	11.15	0.02	0.00	
		-0.01	0.00		0.60	0.00		-0.28	0.00		1.11	0.00		0.04	0.00	
Grand Median		4.39		3.57			4.20			6.85			11.1			
Median Abs Dev		0.36		0.90			0.29			1.34			1.0			
Avg Within Lab SD		0.22		0.28			0.24			0.43			0.6			
Labs Included		16		16			16			16			16			
Labs Reporting		16		16			16			16			16			



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

B - sp (SubTestCode 112)	in the Salinity Property Groups															Data units: mg/L
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.09	0.04	0.38	0.10	-0.25	0.09	0.09	0.08	0.21	0.11	-0.31	0.15	0.11	0.02	0.14	
		0.00	0.01		-0.01	0.00		0.00	0.00		-0.01	0.00		0.00	0.00	
VJYMAG	0.07	-0.61	1.44	0.11	-0.06	0.89	0.08	-0.46	0.87	0.12	0.45	0.81	0.10	-0.25	0.79	
		-0.02	0.02		0.00	0.02		-0.01	0.02		0.01	0.02		-0.01	0.02	
4RZ3B8	0.10	0.53	0.68	0.13	0.36	0.43	0.10	0.17	0.72	0.11	-0.05	0.19	0.12	0.20	0.23	
		0.01	0.01		0.02	0.01		0.00	0.02		0.00	0.01		0.01	0.01	
C4PRLY	0.07	-0.57	0.00	0.10	-0.35	0.00	0.08	-0.48	0.00	0.09	-1.09	0.00	0.10	-0.30	0.00	
		-0.02	0.00		-0.01	0.00		-0.01	0.00		-0.02	0.00		-0.01	0.00	
382E77	0.10	0.56	0.49	0.13	0.47	0.22	0.09	-0.03	0.10	0.12	0.05	0.23	0.11	-0.02	0.34	
		0.02	0.01		0.02	0.01		0.00	0.00		0.00	0.01		0.00	0.01	
4XQDK7	0.08	-0.27	0.20	0.06	-1.24	0.09	0.07	-0.82	0.38	0.07	-2.08	0.21	0.08	-0.84	0.28	
		-0.01	0.00		-0.05	0.00		-0.02	0.01		-0.05	0.01		-0.03	0.01	
32WJM7	0.14	1.89	0.39	0.16	1.15	0.25	0.12	1.21	0.27	0.12	0.24	0.00	0.13	0.51	0.23	
		0.05	0.01		0.05	0.01		0.03	0.01		0.01	0.00		0.02	0.01	
2Y8W7C	0.08	-0.04	0.20	0.12	0.02	0.19	0.09	-0.05	0.22	0.11	-0.13	0.05	0.11	-0.07	0.12	
		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
8QG8D6	0.11	1.08	2.87	0.17	1.25	3.18	0.15	2.21	3.19	0.12	0.31	3.34	0.17	1.91	3.29	
		0.03	0.04		0.05	0.07		0.06	0.07		0.01	0.10		0.06	0.08	
F668JV	0.08	-0.20	0.75	0.11	-0.02	0.32	0.09	0.03	0.31	0.12	0.38	0.16	0.11	0.07	0.35	
		-0.01	0.01		0.00	0.01		0.00	0.01		0.01	0.01		0.00	0.01	
TPMZPJ	0.10	0.62	0.22	0.21	2.34	0.81	0.12	0.92	0.37	0.16	1.91	0.18	0.21	3.01	0.35	
		0.02	0.00		0.10	0.02		0.02	0.01		0.04	0.01		0.10	0.01	
Q77MKK	0.04	-1.68	0.00	0.09	-0.59	0.00	0.05	-1.65	0.00	0.09	-1.09	0.00	0.08	-0.91	0.00	
		-0.05	0.00		-0.02	0.00		-0.04	0.00		-0.02	0.00		-0.03	0.00	
Grand Median		0.086			0.11			0.09			0.11			0.11		
Median Abs Dev		0.015			0.02			0.01			0.01			0.01		
Avg Within Lab SD		0.015			0.02			0.02			0.03			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		

Soil EC (1:1) (SubTestCode 113)	in the Soil pH & EC Property Groups														Data units: dS/m
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAFT7	0.23	0.48	0.41	0.30	-0.23	0.00	0.22	0.23	0.00	0.46	0.72	0.00	0.65	0.59	0.39
		0.03	0.01		-0.02	0.00		0.02	0.00		0.08	0.00		0.07	0.01
C47NEY	0.24	0.60	0.54	0.38	0.60	1.12	0.26	0.67	0.52	0.43	0.40	0.21	0.63	0.45	1.01
		0.04	0.01		0.05	0.03		0.05	0.01		0.04	0.01		0.05	0.03
7WA3K4	0.21	0.17	0.00	0.36	0.38	0.00	0.15	-0.69	0.00	0.40	0.19	0.31	0.57	-0.04	0.25
		0.01	0.00		0.03	0.00		-0.05	0.00		0.02	0.01		0.00	0.01
VJYMAG	0.25	0.73	0.51	0.32	-0.06	0.35	0.23	0.37	0.95	0.49	0.95	0.44	0.58	0.00	0.56
		0.05	0.01		-0.01	0.01		0.03	0.01		0.10	0.01		0.00	0.02
4RZ3B8	0.17	-0.48	0.41	0.34	0.17	0.21	0.26	0.69	0.60	0.36	-0.20	0.41	0.63	0.45	0.34
		-0.03	0.01		0.02	0.01		0.06	0.01		-0.02	0.01		0.05	0.01
C4PRLY	0.25	0.72		0.27	-0.60	0.43	0.21	0.11	0.00	0.42	0.35	0.00	0.52	-0.47	0.00
		0.05	0.00		-0.05	0.01		0.01	0.00		0.04	0.00		-0.06	0.00
477W66	0.11	-1.34	0.41	0.14	-1.97	0.43	0.11	-1.20	0.60	0.22	-1.46	0.47	0.27	-2.52	0.39
		-0.09	0.01		-0.18	0.01		-0.09	0.01		-0.16	0.01		-0.30	0.01
Q4YHTG	0.16	-0.62	0.41	0.26	-0.68	0.00	0.11	-1.20	0.60	0.27	-1.00	0.24	0.46	-0.97	0.34
		-0.04	0.01		-0.06	0.00		-0.09	0.01		-0.11	0.01		-0.12	0.01
CE8C7V	0.13	-1.04	2.22	0.15	-1.85	1.45	0.08	-1.51	1.04	0.17	-1.94	0.82	0.18	-3.31	0.52
		-0.07	0.03		-0.17	0.04		-0.12	0.01		-0.21	0.02		-0.40	0.02
DZKJUJ	0.15	-0.67	0.41	0.21	-1.27	0.21	0.10	-1.24	0.60	0.45	0.60	0.24	0.51	-0.55	0.34
		-0.05	0.01		-0.11	0.01		-0.10	0.01		0.06	0.01		-0.07	0.01
JR9FBN	0.13	-0.97	0.27	0.40	0.93	0.36	0.09	-1.42	1.18	0.39	0.06	1.17	0.65	0.60	0.12
		-0.07	0.00		0.08	0.01		-0.11	0.01		0.01	0.03		0.07	0.00
382E77	0.27	0.99	0.34	0.33	0.14	0.17	0.20	0.02	1.21	0.26	-1.09	1.67	0.72	1.16	0.20
		0.07	0.00		0.01	0.00		0.00	0.01		-0.12	0.04		0.14	0.01
QUDDLH	0.21	0.19	0.82	0.33	0.06	0.56	0.30	1.24	1.04	0.36	-0.20	0.41	0.59	0.11	0.59
		0.01	0.01		0.01	0.02		0.10	0.01		-0.02	0.01		0.01	0.02
CQF2X6	0.40	2.87	0.00	0.40	0.87	0.00	0.30	1.24	0.00	0.50	1.09		0.70	1.03	0.00
		0.20	0.00		0.08	0.00		0.10	0.00		0.12	0.00		0.12	0.00
BL7NF7	0.21	0.20	0.46	0.29	-0.40	0.13	0.26	0.76	1.02	0.38	-0.06	0.68	0.58	0.00	0.70
		0.01	0.01		-0.04	0.00		0.06	0.01		-0.01	0.02		0.00	0.02
WR44BL	0.17	-0.47	0.04	0.25	-0.81	0.00	0.17	-0.42	0.00	0.30	-0.80	0.00	0.51	-0.53	0.00
		-0.03	0.00		-0.07	0.00		-0.03	0.00		-0.09	0.00		-0.06	0.00
2Y8W7C	0.24	0.53	0.41	0.30	-0.20	0.21	0.21	0.11	0.00	0.50	1.06	0.24	0.62	0.39	0.20
		0.04	0.01		-0.02	0.01		0.01	0.00		0.11	0.01		0.05	0.01
Y3EFFF	0.18	-0.24	0.41	0.37	0.54	0.00	0.16	-0.52	0.00	0.42	0.35	0.00	0.59	0.11	0.00
		-0.02	0.01		0.05	0.00		-0.04	0.00		0.04	0.00		0.01	0.00
RKW4MM	0.10	-1.43	0.00	0.40	0.87	0.00	0.10	-1.28	0.00	0.33	-0.45	2.37	0.63	0.47	1.95
		-0.10	0.00		0.08	0.00		-0.10	0.00		-0.05	0.06		0.06	0.06
PAPEWM	0.20	0.00	0.00	0.50	1.98	3.69	0.20	-0.02	0.00	0.37	-0.14	2.37	0.57	-0.08	1.95
		0.00	0.00		0.18	0.10		0.00	0.00		-0.02	0.06		-0.01	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		
XKF48E	0.17	-0.48	4.08	0.20	-1.34	0.00	0.20	-0.02	0.00	0.33	-0.45	2.37	0.43	-1.19	1.95
		-0.03	0.06		-0.12	0.00		0.00	0.00		-0.05	0.06		-0.14	0.06
F668JV	0.14	-0.86	0.00	0.34	0.21	0.74	0.22	0.23	0.00	0.58	1.83	0.41	0.43	-1.19	1.28
		-0.06	0.00		0.02	0.02		0.02	0.00		0.20	0.01		-0.14	0.04
TPMZPJ	0.18	-0.28	1.12	0.33	0.11	0.42	0.14	-0.81	2.89	0.37	-0.14	0.21	0.53	-0.38	0.26
		-0.02	0.02		0.01	0.01		-0.06	0.03		-0.02	0.01		-0.05	0.01
79GV44	0.22	0.32	0.58	0.31	-0.12	0.73	0.21	0.14	0.84	0.51	1.13	0.21	0.63	0.43	1.91
		0.02	0.01		-0.01	0.02		0.01	0.01		0.12	0.01		0.05	0.06
6YCNP4	0.20	0.00	0.00	0.31	-0.12	2.58	0.12	-1.03	2.74	0.34	-0.42	1.55	0.54	-0.27	2.44
		0.00	0.00		-0.01	0.07		-0.08	0.03		-0.05	0.04		-0.03	0.07
ALBLDW	0.26	0.88	0.11	0.41	1.00	0.10	0.23	0.35	0.89	0.43	0.45	0.36	0.61	0.25	0.12
		0.06	0.00		0.09	0.00		0.03	0.01		0.05	0.01		0.03	0.00
Grand Median		0.20			0.32			0.20			0.38			0.58	
Median Abs Dev		0.04			0.05			0.05			0.05			0.06	
Avg Within Lab SD		0.01			0.03			0.01			0.02			0.03	
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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
C47NEY	0.14	0.39	1.32	0.20	0.66	0.99	0.14	0.57	1.42	0.24	-0.08	0.06	0.38	1.04	0.99	
		0.02	0.01		0.03	0.02		0.02	0.01		-0.01	0.02		0.08	0.02	
VJYMAG	0.16	1.03	0.70	0.19	0.34	0.20	0.16	1.23	0.87	0.27	0.22	0.02	0.33	0.35	0.15	
		0.04	0.01		0.02	0.00		0.04	0.01		0.03	0.00		0.03	0.00	
C4PRLY	0.13	0.31	0.66	0.15	-0.31	0.37	0.13	0.29	0.71	0.25	0.00	0.02	0.26	-0.55	0.27	
		0.01	0.01		-0.02	0.01		0.01	0.01		0.00	0.01		-0.04	0.01	
CE8C7V	0.08	-0.97	2.38	0.13	-0.76	0.65	0.08	-1.01	1.23	0.17	-0.66	0.08	0.18	-1.56	0.73	
		-0.04	0.02		-0.04	0.01		-0.04	0.01		-0.08	0.02		-0.12	0.02	
KQWZGM	0.11	-0.18	0.35	0.15	-0.45	0.17	0.10	-0.41	0.26	0.98	6.27	5.09	0.30	-0.02	0.28	
		-0.01	0.00		-0.02	0.00		-0.01	0.00		0.73	1.26		0.00	0.01	
382E77	0.14	0.51	0.29	0.17	0.09	0.16	0.12	0.18	0.04	0.28	0.26	0.03	0.32	0.27	0.32	
		0.02	0.00		0.00	0.00		0.01	0.00		0.03	0.01		0.02	0.01	
G6NDG2	0.12	0.03	0.17	0.15	-0.33	0.04	0.11	-0.30	0.07	0.24	-0.03	0.01	0.30	0.00	0.05	
		0.00	0.00		-0.02	0.00		-0.01	0.00		0.00	0.00		0.00	0.00	
UB76AM	0.12	-0.03	1.14	0.13	-0.82	0.37	0.12	0.01	0.71	0.17	-0.66	0.00	0.26	-0.51	0.48	
		0.00	0.01		-0.04	0.01		0.00	0.01		-0.08	0.00		-0.04	0.01	
3D69EG	0.09	-0.72	0.66	0.26	1.76	0.00	0.11	-0.08	0.71	0.22	-0.25	0.02	0.34	0.46	0.27	
		-0.03	0.01		0.09	0.00		0.00	0.01		-0.03	0.01		0.04	0.01	
4C4V8E	0.15	0.82	0.66	0.18	0.15	0.99	0.16	1.31	0.71	0.26	0.09	0.02	0.37	0.92	1.80	
		0.03	0.01		0.01	0.02		0.05	0.01		0.01	0.01		0.07	0.04	
2Y8W7C	0.12	-0.03	0.00	0.15	-0.37	0.00	0.11	-0.18	0.00	0.24	-0.02	0.02	0.29	-0.09	0.27	
		0.00	0.00		-0.02	0.00		-0.01	0.00		0.00	0.01		-0.01	0.01	
B28ZB7	0.15	0.64	0.23	0.19	0.33	0.21	0.12	-0.01	1.07	0.31	0.52	0.05	0.33	0.42	0.15	
		0.03	0.00		0.02	0.00		0.00	0.01		0.06	0.01		0.03	0.00	
89DUG9	0.26	3.63	0.80	0.34	3.33	0.11	0.28	4.60	0.28	0.57	2.81	0.00	0.67	4.59	0.20	
		0.14	0.01		0.17	0.00		0.17	0.00		0.33	0.00		0.36	0.00	
CZ7M44	0.11	-0.38	0.24	0.17	0.00	0.98	0.10	-0.33	0.84	0.22	-0.22	0.03	0.29	-0.11	1.01	
		-0.02	0.00		0.00	0.02		-0.01	0.01		-0.03	0.01		-0.01	0.02	
CW7B84	0.10	-0.55	0.00	0.20	0.60	0.00	0.20	2.33	0.00	0.20	-0.40	0.00	0.30	-0.01	0.00	
		-0.02	0.00		0.03	0.00		0.08	0.00		-0.05	0.00		0.00	0.00	
HMD97T	0.12	0.04	0.00	0.16	-0.13	0.10	0.11	-0.16	0.40	0.26	0.11	0.00	0.33	0.39	0.10	
		0.00	0.00		-0.01	0.00		-0.01	0.00		0.01	0.00		0.03	0.00	
F668JV	0.10	-0.55	0.00	0.24	1.31	0.37	0.13	0.47	0.71	0.37	1.07	0.00	0.25	-0.64	0.48	
		-0.02	0.00		0.07	0.01		0.02	0.01		0.12	0.00		-0.05	0.01	
FWELDX	0.16	1.06	0.92	0.21	0.71	0.23	0.14	0.55	0.33	0.30	0.45	0.03	0.32	0.26	0.31	
		0.04	0.01		0.04	0.00		0.02	0.00		0.05	0.01		0.02	0.01	
4PWGDA	0.08	-1.13		0.11	-1.19		0.10	-0.34		0.12	-1.06		0.28	-0.31		
		-0.04	0.00		-0.06	0.00		-0.01	0.00		-0.12	0.00		-0.02	0.00	
KN9DZT	0.14	0.54	0.96	0.17	-0.02	0.45	0.12	0.16	0.44	0.27	0.19	0.03	0.33	0.39	0.32	
		0.02	0.01		0.00	0.01		0.01	0.00		0.02	0.01		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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
B63RJ3	0.09	-0.72	2.38	0.18	0.21	4.53	0.09	-0.64	3.56	0.20	-0.43	0.23	0.28	-0.30	3.34
79GV44	0.12	-0.03	0.02	0.15	0.01	0.07	0.11	-0.02	0.03	0.25	-0.05	0.06	0.30	-0.02	0.07
TAEMVG	0.09	-0.05	0.24	0.11	-0.40	0.42	0.11	-0.05	0.07	0.15	0.00	0.01	0.22	0.00	0.65
HNU6YT	0.12	0.00	0.00	0.09	-0.02	0.01	0.11	0.00	0.00	0.26	0.00	0.00	0.44	0.00	0.01
Q77MKK	0.20	-0.89	2.38	0.20	-1.21	0.75	0.18	-0.27	1.88	0.28	-0.80	0.06	0.32	-1.05	2.14
P43R2G	0.13	-0.03	0.02	0.17	-0.06	0.01	0.12	-0.01	0.02	0.20	-0.09	0.02	0.28	-0.08	0.05
		-0.03	1.14		-1.47	0.75		-0.27	0.71		-0.54	0.06		-1.26	1.71
		0.00	0.01		-0.08	0.01		-0.01	0.01		-0.06	0.02		-0.10	0.04
		2.01			0.60			1.77			0.12			1.76	
		0.08	0.00		0.03	0.00		0.06	0.00		0.01	0.00		0.14	0.00
		0.29	0.02		0.00	0.02		0.03	0.05		0.27	0.00		0.29	0.05
		0.01	0.00		0.00	0.00		0.00	0.00		0.03	0.00		0.02	0.00
Grand Median		0.12			0.17			0.12			0.25			0.30	
Median Abs Dev		0.02			0.02			0.01			0.03			0.03	
Avg Within Lab SD		0.01			0.02			0.01			0.25			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		

	pH (1:1) Water (SubTestCode 115) in the Soil pH & EC Property Groups															
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			Data units: Unit
NRW8AP	5.77	1.05	1.08	6.70	0.67	1.83	6.47	1.31	1.04	7.30	0.80	0.00	5.43	0.59	0.93	
		0.17	0.06		0.10	0.10		0.20	0.06		0.15	0.00		0.09	0.06	
6WAF7	5.64	0.23	0.29	6.62	0.11	0.38	6.34	0.49	0.31	7.16	0.04	0.33	5.46	0.80	0.19	
		0.04	0.02		0.02	0.02		0.08	0.02		0.01	0.02		0.12	0.01	
26FBY9	5.60	0.00	0.00	6.60	0.00	1.83	6.27	0.02	1.04	7.13	-0.09	0.91	5.37	0.14	0.93	
		0.00	0.00		0.00	0.10		0.00	0.06		-0.02	0.06		0.02	0.06	
MGZK6N	5.70	0.63	0.00	6.57	-0.22	1.06	6.30	0.24	0.00	7.07	-0.45	0.91	5.33	-0.09	0.93	
		0.10	0.00		-0.03	0.06		0.04	0.00		-0.08	0.06		-0.01	0.06	
C47NEY	5.63	0.16	0.09	6.69	0.60	0.18	6.30	0.20	0.81	7.23	0.43	0.32	5.44	0.64	0.64	
		0.03	0.01		0.09	0.01		0.03	0.05		0.08	0.02		0.09	0.04	
7WA3K4	5.49	-0.69	0.19	6.51	-0.60	0.00	6.24	-0.13	0.10	7.06	-0.46	0.24	5.18	-1.11	0.09	
		-0.11	0.01		-0.09	0.00		-0.02	0.01		-0.09	0.02		-0.16	0.01	
CP6CHY	5.73	0.84	1.08	6.73	0.89	1.06	6.37	0.66	2.74	7.20	0.27	0.00	5.50	1.05		
		0.13	0.06		0.13	0.06		0.10	0.15		0.05	0.00		0.15	0.00	
VJYMAG	5.58	-0.15	0.39	6.50	-0.64	0.38	6.36	0.64	0.75	7.07	-0.45	0.24	5.33	-0.09	0.24	
		-0.02	0.02		-0.10	0.02		0.10	0.04		-0.08	0.02		-0.01	0.02	
4RZ3B8	5.46	-0.86	0.39	6.54	-0.38	0.92	6.16	-0.64	0.10	7.07	-0.41	0.71	5.25	-0.64	0.49	
		-0.14	0.02		-0.06	0.05		-0.10	0.01		-0.08	0.05		-0.09	0.03	
J7BMPT	5.53	-0.42	1.08	6.50	-0.67		6.07	-1.26	1.04	7.13	-0.09	0.91	5.23	-0.77	0.93	
		-0.07	0.06		-0.10	0.00		-0.20	0.06		-0.02	0.06		-0.11	0.06	
C4PRLY	5.40	-1.23	0.11	6.48	-0.82	0.38	6.27	0.02	0.27	6.98	-0.89	0.09	5.28	-0.48	0.09	
		-0.20	0.01		-0.12	0.02		0.00	0.02		-0.17	0.01		-0.07	0.01	
8MDKJZ	5.46	-0.88	0.86	6.59	-0.07	0.18	6.18	-0.56	0.45	7.13	-0.12	0.33	5.18	-1.14	0.32	
		-0.14	0.05		-0.01	0.01		-0.09	0.03		-0.02	0.02		-0.17	0.02	
Q4YHTG	5.60	0.02	0.11	6.69	0.58	0.28	6.30	0.26	0.37	7.24	0.50	0.18	5.39	0.30	0.16	
		0.00	0.01		0.09	0.02		0.04	0.02		0.09	0.01		0.04	0.01	
CE8C7V	5.54	-0.38	0.32	6.51	-0.58	1.53	6.28	0.13	0.68	7.18	0.16	0.57	5.31	-0.25	1.00	
		-0.06	0.02		-0.09	0.08		0.02	0.04		0.03	0.04		-0.04	0.06	
DZKJUJ	5.67	0.42	0.54	6.67	0.44	0.53	6.42	0.99	0.52	7.32	0.89	0.46	5.58	1.62	0.46	
		0.07	0.03		0.07	0.03		0.15	0.03		0.17	0.03		0.24	0.03	
KQWZGM	5.62	0.13	1.35	6.65	0.31	0.56	6.09	-1.11	1.40	7.17	0.09	0.81	5.31	-0.25	1.21	
		0.02	0.07		0.05	0.03		-0.17	0.08		0.02	0.05		-0.04	0.08	
JR9FBN	6.23	3.98	4.87	6.74	0.95	1.98	6.57	1.97	2.33	7.24	0.50	1.23	5.63	1.96	4.74	
		0.63	0.26		0.14	0.11		0.31	0.13		0.09	0.08		0.29	0.30	
382E77	5.23	-2.30	0.47	6.03	-3.77	0.74	5.82	-2.87	1.71	6.04	-5.94	4.26	5.32	-0.16	1.45	
		-0.37	0.03		-0.57	0.04		-0.45	0.10		-1.11	0.27		-0.02	0.09	
QUDDLH	5.77	1.05	1.08	6.63	0.22	1.06	6.30	0.24	0.00	7.13	-0.09	0.91	5.40	0.36	0.00	
		0.17	0.06		0.03	0.06		0.04	0.00		-0.02	0.06		0.05	0.00	
KQRJHN	5.44	-1.03	0.39	6.41	-1.24	0.28	6.08	-1.16	0.10	7.01	-0.77	0.09	5.17	-1.23	0.09	
		-0.16	0.02		-0.19	0.02		-0.18	0.01		-0.14	0.01		-0.18	0.01	



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ALP Program - Participant Web Summary Report - Cycle 28															
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
G9MNCZ	5.62	0.15	0.11	6.65	0.33	0.48	6.25	-0.06	0.27	7.25	0.55	0.66	5.34	-0.07	0.40
		0.02	0.01		0.05	0.03		-0.01	0.02		0.10	0.04		-0.01	0.03
G6NDG2	5.50	-0.63		6.60	0.00	0.00	6.17	-0.62	1.04	7.17	0.09	0.91	5.23	-0.77	0.93
		-0.10	0.00		0.00	0.00		-0.10	0.06		0.02	0.06		-0.11	0.06
CQF2X6	5.53	-0.42	1.08	6.57	-0.22	1.06	6.17	-0.62	1.04	7.03	-0.62	0.91	5.33	-0.09	0.93
		-0.07	0.06		-0.03	0.06		-0.10	0.06		-0.12	0.06		-0.01	0.06
KZGFYV	5.81	1.32	0.00	6.81	1.40	0.00	6.41	0.94	0.00	7.18	0.14	0.91	5.61	1.80	0.00
		0.21	0.00		0.21	0.00		0.15	0.00		0.03	0.06		0.26	0.00
MKUMMU	5.57	-0.21	0.47	6.54	-0.38	0.69	6.25	-0.06	0.27	7.13	-0.09	0.48	5.41	0.45	0.82
		-0.03	0.03		-0.06	0.04		-0.01	0.02		-0.02	0.03		0.07	0.05
UB76AM	5.66	0.40	0.87	6.71	0.73	0.32	6.29	0.19	0.52	7.23	0.41	0.75	5.40	0.34	0.33
		0.06	0.05		0.11	0.02		0.03	0.03		0.08	0.05		0.05	0.02
JXC9JX	5.58	-0.13	0.00	6.55	-0.33	0.00	6.06	-1.31	0.00	6.92	-1.23	0.00	5.35	0.02	0.00
		-0.02	0.00		-0.05	0.00		-0.20	0.00		-0.23	0.00		0.00	0.00
44U7TF	5.57	-0.19	0.32	6.62	0.11	0.38	6.27	0.02	0.21	7.23	0.43	0.16	5.61	1.82	0.33
		-0.03	0.02		0.02	0.02		0.00	0.01		0.08	0.01		0.27	0.02
BL7NF7	5.61	0.04	0.84	6.65	0.33	0.80	6.26	0.00	0.55	7.20	0.29	0.40	5.36	0.07	0.19
		0.01	0.05		0.05	0.04		0.00	0.03		0.05	0.03		0.01	0.01
KXVCQX	5.65	0.29	0.11	6.75	0.98	0.11	6.30	0.24	0.18	7.25	0.52	0.18	5.42	0.50	0.16
		0.05	0.01		0.15	0.01		0.04	0.01		0.10	0.01		0.07	0.01
WR44BL	5.70	0.63	0.00	6.70	0.67	0.00	6.34	0.49	0.00	7.28	0.70	0.00	5.41	0.43	0.00
		0.10	0.00		0.10	0.00		0.08	0.00		0.13	0.00		0.06	0.00
4C4V8E	5.59	-0.04	0.84	6.65	0.31	0.21	6.21	-0.32	0.10	7.16	0.07	0.46	5.38	0.25	1.02
		-0.01	0.05		0.05	0.01		-0.05	0.01		0.01	0.03		0.04	0.06
EDKTTZ	5.65	0.31	0.82	6.65	0.31	0.92	6.28	0.11	1.29	7.20	0.29	0.78	5.40	0.34	0.65
		0.05	0.04		0.05	0.05		0.02	0.07		0.05	0.05		0.05	0.04
BZCGA4	5.72	0.75	0.19	6.67	0.47	2.40	6.23	-0.21	0.90	7.17	0.11	0.63	5.39	0.32	0.61
		0.12	0.01		0.07	0.13		-0.03	0.05		0.02	0.04		0.05	0.04
GLNMZX	5.71	0.71	0.22	6.68	0.53	0.18	6.36	0.62	0.18	7.25	0.55	0.09	5.49	0.98	0.16
		0.11	0.01		0.08	0.01		0.10	0.01		0.10	0.01		0.14	0.01
V9WEKJ	5.52	-0.52	0.11	6.58	-0.13	0.00	6.25	-0.06	0.10	7.12	-0.14	0.09	5.30	-0.30	0.09
		-0.08	0.01		-0.02	0.00		-0.01	0.01		-0.03	0.01		-0.04	0.01
2Y8W7C	5.57	-0.17	1.25	6.48	-0.82	0.38	6.25	-0.11	0.55	6.91	-1.30	0.40	5.28	-0.43	0.37
		-0.03	0.07		-0.12	0.02		-0.02	0.03		-0.24	0.03		-0.06	0.02
LDGEMR	5.28	-1.99	0.94	6.44	-1.04	1.04	5.92	-2.23	0.45	6.85	-1.61	0.82	5.28	-0.45	0.58
		-0.32	0.05		-0.16	0.06		-0.35	0.03		-0.30	0.05		-0.07	0.04
Y3EFFF	5.68	0.52	0.47	6.70	0.67	0.32	6.36	0.64	0.37	7.31	0.87	0.18	5.42	0.52	0.09
		0.08	0.03		0.10	0.02		0.10	0.02		0.16	0.01		0.08	0.01
89DUG9	5.50	-0.61	0.29	6.42	-1.22	0.53	6.11	-0.96	0.21	6.96	-1.02	0.27	5.38	0.23	0.28
		-0.10	0.02		-0.18	0.03		-0.15	0.01		-0.19	0.02		0.03	0.02
RKW4MM	5.70	0.63	0.00	6.57	-0.22	1.06	6.33	0.45	1.04	7.03	-0.62	0.91	5.30	-0.32	1.60
		0.10	0.00		-0.03	0.06		0.07	0.06		-0.12	0.06		-0.05	0.10
4F7V8B	5.57	-0.17	0.29	6.63	0.20	0.00	6.25	-0.09	0.18	7.24	0.50	0.18	5.33	-0.11	0.00
		-0.03	0.02		0.03	0.00		-0.01	0.01		0.09	0.01		-0.02	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		
HMD97T	5.57	-0.19	0.19	6.60	0.00	0.18	6.28	0.13	0.10	7.09	-0.30	0.18	5.30	-0.30	1.18
7L7UV7	5.98	-0.03	0.01	7.20	4.02	0.53	5.55	-4.58	0.18	6.49	-3.52	1.27	6.32	-0.04	0.07
PAPEWM	5.60	0.38	0.06	6.63	0.60	0.03	6.30	-0.71	0.01	7.30	-0.66	0.08	5.40	0.97	0.06
XKF48E	5.63	0.00	0.00	6.63	0.22	1.06	6.27	0.24	0.00	7.20	0.80	0.00	5.37	0.36	0.00
F668JV	6.26	0.21	1.08	6.63	0.22	1.06	6.27	0.02	1.04	7.20	0.27	0.00	5.37	0.14	0.93
B63RJ3	5.50	0.03	0.06	6.63	0.03	0.06	6.27	0.00	0.06	7.20	0.05	0.00	5.37	0.02	0.06
F7ZQLX	5.61	4.14	0.65	6.91	2.09	0.38	6.75	3.15	1.71	7.34	1.00	1.05	5.71	2.48	0.73
TPMZPJ	5.55	0.66	0.03	6.91	0.31	0.02	6.75	0.49	0.10	7.34	0.19	0.07	5.71	0.36	0.05
YH7DHA	5.53	-0.63	0.00	6.63	0.22	2.12	6.20	-0.41	0.00	7.10	-0.27	1.58	5.30	-0.32	1.60
79GV44	5.46	-0.10	0.00	6.63	0.03	0.12	6.20	-0.06	0.00	7.10	-0.05	0.10	5.30	-0.05	0.10
TAEMVG	5.54	0.06	0.50	6.58	-0.13	0.32	6.26	-0.02	0.47	7.18	0.14	0.24	5.32	-0.20	0.19
6YCNP4	5.56	0.01	0.03	6.58	-0.02	0.02	6.26	0.00	0.03	7.18	0.03	0.02	5.32	-0.03	0.01
HNU6YT	5.62	-0.33	0.22	6.59	-0.07	0.37	6.22	-0.30	1.57	7.14	-0.05	0.82	5.29	-0.39	0.32
ALBLDW	5.58	-0.05	0.01	6.59	-0.01	0.02	6.22	-0.05	0.09	7.14	-0.01	0.05	5.29	-0.06	0.02
PN7ACJ	5.77	-0.46	1.27	6.48	-0.82	0.38	6.23	-0.24	0.27	7.08	-0.36	0.09	5.21	-0.91	0.52
		-0.07	0.07	6.48	-0.12	0.02	6.23	-0.04	0.02	7.08	-0.07	0.01	5.21	-0.13	0.03
		-0.86	0.22	6.07	-3.51	3.58	5.89	-2.38	2.55	6.40	-4.02	4.22	5.42	0.48	3.03
		-0.14	0.01	6.07	-0.53	0.20	5.89	-0.37	0.14	6.40	-0.75	0.27	5.42	0.07	0.19
		-0.40	1.14	6.54	-0.42	1.66	6.20	-0.41	0.72	7.15	0.00	0.63	5.30	-0.34	0.52
		-0.06	0.06	6.54	-0.06	0.09	6.20	-0.06	0.04	7.15	0.00	0.04	5.30	-0.05	0.03
		-0.25	1.12	6.56	-0.29	0.59	6.25	-0.09	1.18	7.03	-0.66	0.18	5.32	-0.16	0.24
		-0.04	0.06	6.56	-0.04	0.03	6.25	-0.01	0.07	7.03	-0.12	0.01	5.32	-0.02	0.02
		0.15	1.43	6.65	0.31	1.07	6.28	0.13	0.55	7.24	0.50	0.75	5.35	0.00	1.16
		0.02	0.08	6.65	0.05	0.06	6.28	0.02	0.03	7.24	0.09	0.05	5.35	0.00	0.07
		-0.13	0.19	6.52	-0.53	0.37	6.37	0.69	3.27	7.02	-0.70	0.27	5.18	-1.14	0.16
		-0.02	0.01	6.52	-0.08	0.02	6.37	0.11	0.18	7.02	-0.13	0.02	5.18	-0.17	0.01
		1.05	2.86	6.53	-0.44	1.06	6.20	-0.41	0.00	7.10	-0.27	0.00	5.30	-0.32	0.00
		0.17	0.15	6.53	-0.07	0.06	6.20	-0.06	0.00	7.10	-0.05	0.00	5.30	-0.05	0.00
Grand Median		5.60		6.60		6.26		7.15		5.35					
Median Abs Dev		0.07		0.07		0.06		0.08		0.05					
Avg Within Lab SD		0.05		0.05		0.06		0.06		0.06					
Labs Included		57		57		57		57		57					
Labs Reporting		57		57		57		57		57					



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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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
C47NEY	5.84	0.40	0.27	6.82	0.50	0.23	6.41	0.12	0.33	7.38	1.01	0.42	5.60	0.45	0.57	
		0.16	0.03		0.15	0.03		0.04	0.04		0.32	0.04		0.13	0.04	
VJYMAG	5.84	0.39	0.16	6.71	0.14	0.15	6.56	0.54	0.32	7.16	0.32	0.42	5.50	0.10	0.32	
		0.16	0.02		0.04	0.02		0.20	0.04		0.10	0.04		0.03	0.02	
C4PRLY	5.45	-0.59	0.21	6.51	-0.52	0.18	6.31	-0.15	0.09	7.08	0.07	0.30	5.31	-0.58	0.36	
		-0.23	0.02		-0.16	0.02		-0.06	0.01		0.02	0.03		-0.17	0.02	
477W66	5.50	-0.46	1.04	6.67	0.00	0.44	6.20	-0.45	0.90	7.27	0.64	0.60	5.40	-0.25	1.58	
		-0.18	0.10		0.00	0.06		-0.17	0.10		0.21	0.06		-0.07	0.10	
382E77	5.93	0.64	0.78	6.30	-1.20	0.58	5.90	-1.26	0.26	6.28	-2.44	0.60	5.40	-0.26	1.20	
		0.25	0.08		-0.37	0.08		-0.46	0.03		-0.78	0.06		-0.08	0.08	
QB3B2R	5.21	-1.20		6.42	-0.80		5.84	-1.43		6.55	-1.59		5.39	-0.29		
		-0.47	0.00		-0.25	0.00		-0.53	0.00		-0.51	0.00		-0.08	0.00	
KZGFYV	5.90	0.56	0.00	6.90	0.76	0.00	6.50	0.36		7.27	0.64	0.60	5.70	0.80	0.00	
		0.22	0.00		0.23	0.00		0.13	0.00		0.21	0.06		0.23	0.00	
XX43YG	5.46	-0.56	3.50	6.38	-0.93	1.07	6.03	-0.93	1.09	6.87	-0.60	1.55	5.18	-1.03	0.24	
		-0.22	0.34		-0.29	0.14		-0.34	0.12		-0.19	0.15		-0.30	0.02	
2Y8W7C	5.91	0.59	1.35	6.66	-0.01	0.39	6.38	0.03	0.32	7.02	-0.13	0.40	5.49	0.08	0.40	
		0.23	0.13		0.00	0.05		0.01	0.04		-0.04	0.04		0.02	0.03	
B28ZB7	5.82	0.35	0.45	6.71	0.13	0.38	6.43	0.16	0.14	7.08	0.06	1.03	5.64	0.58	0.40	
		0.14	0.04		0.04	0.05		0.06	0.02		0.02	0.10		0.17	0.03	
CZ7M44	7.30	4.12	1.04	7.67	3.24	3.78	7.73	3.72	4.18	7.37	0.95	0.60	6.93	5.11	1.82	
		1.62	0.10		1.00	0.49		1.37	0.46		0.31	0.06		1.46	0.12	
CW7B84	5.43	-0.63	0.60	6.67	0.00	0.44	6.03	-0.91	0.52	7.03	-0.08	0.60	5.23	-0.83	0.91	
		-0.25	0.06		0.00	0.06		-0.33	0.06		-0.03	0.06		-0.24	0.06	
F668JV	6.35	1.71	1.08	6.82	0.50	0.13	6.80	1.19	0.74	7.28	0.67	0.97	5.90	1.49	1.38	
		0.67	0.10		0.15	0.02		0.44	0.08		0.22	0.09		0.43	0.09	
FWELDX	5.61	-0.17	0.06	6.79	0.40	0.08	6.40	0.08	0.05	7.17	0.34	0.10	5.52	0.18	0.64	
		-0.07	0.01		0.12	0.01		0.03	0.01		0.11	0.01		0.05	0.04	
4PWGDA	5.73	0.12		6.65	-0.05		6.30	-0.18		6.94	-0.37		5.36	-0.39		
		0.05	0.00		-0.02	0.00		-0.07	0.00		-0.12	0.00		-0.11	0.00	
XLBLAF	5.60	-0.21		6.53	-0.44		6.50	0.36		7.04	-0.06		5.42	-0.18		
		-0.08	0.00		-0.14	0.00		0.13	0.00		-0.02	0.00		-0.05	0.00	
3N2CJA	5.76	0.21	0.22	6.77	0.32	0.04	6.49	0.34	0.00	7.28	0.67	0.16	5.56	0.31	0.16	
		0.08	0.02		0.10	0.01		0.12	0.00		0.22	0.02		0.09	0.01	
KN9DZT	5.70	0.05	0.31	6.68	0.03	0.84	6.42	0.15	0.10	7.22	0.50	0.38	5.44	-0.11	0.57	
		0.02	0.03		0.01	0.11		0.06	0.01		0.16	0.04		-0.03	0.04	
79GV44	5.23	-1.15	1.63	5.76	-2.95	2.15	5.88	-1.33	0.96	6.12	-2.91	3.86	5.77	1.03	3.12	
		-0.45	0.16		-0.91	0.28		-0.49	0.11		-0.94	0.37		0.30	0.20	
NT8YFL	5.60	-0.22	0.73	6.69	0.08	0.15	6.18	-0.52	0.59	7.02	-0.11	0.22	5.28	-0.66	0.73	
		-0.09	0.07		0.02	0.02		-0.19	0.07		-0.04	0.02		-0.19	0.05	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Q77MKK	5.50	-0.46		6.32	-1.12		6.15	-0.59		6.95	-0.34		5.45	-0.08	
		-0.18	0.00		-0.35	0.00		-0.22	0.00		-0.11	0.00		-0.02	0.00
P43R2G	5.66	-0.05	0.12	6.45	-0.71	0.12	6.36	-0.03	0.19	6.96	-0.30	0.16	5.49	0.08	0.24
		-0.02	0.01		-0.22	0.02		-0.01	0.02		-0.10	0.02		0.02	0.02
Grand Median		5.68			6.67			6.37			7.06			5.47	
Median Abs Dev		0.18			0.15			0.15			0.14			0.10	
Avg Within Lab SD		0.10			0.13			0.11			0.10			0.06	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



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

pH (1:1) 0.01M CaCl ₂ (SubTestCode 117)	in the Soil pH & EC Property Groups															Data units: Unit
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
6WAFT7	5.52	4.53	0.00	6.50	2.28		6.20	3.61	0.00	7.10	1.69	0.00	5.47	3.52	0.00	
		0.46	0.00		0.38	0.00		0.45	0.00		0.32	0.00		0.44	0.00	
26FBY9	5.03	-0.25	1.53	6.07	-0.30	1.72	5.70	-0.39	0.00	6.73	-0.25	0.41	5.00	-0.25		
		-0.03	0.06		-0.05	0.06		-0.05	0.00		-0.05	0.06		-0.03	0.00	
C47NEY	5.08	0.18	0.81	6.24	0.73	0.89	5.77	0.20	1.39	6.86	0.44	0.28	5.15	0.98	0.43	
		0.02	0.03		0.12	0.03		0.03	0.05		0.08	0.04		0.12	0.04	
VJYMAG	5.03	-0.25	0.77	6.01	-0.65	2.26	5.80	0.39	0.87	6.73	-0.25	0.15	5.02	-0.07	0.43	
		-0.03	0.03		-0.11	0.08		0.05	0.03		-0.05	0.02		-0.01	0.04	
4RZ3B8	4.98	-0.77	0.27	6.06	-0.34	0.79	5.65	-0.81	0.46	6.70	-0.40	0.11	4.94	-0.74	0.21	
		-0.08	0.01		-0.06	0.03		-0.10	0.02		-0.08	0.02		-0.09	0.02	
Q4YHTG	5.13	0.74	0.85	6.23	0.67	0.30	5.77	0.17	0.00	6.84	0.33	0.04	5.03	-0.01	0.12	
		0.08	0.03		0.11	0.01		0.02	0.00		0.06	0.01		0.00	0.01	
KQWZGM	5.03	-0.28	0.70	6.10	-0.10	1.07	5.65	-0.81	0.35	6.76	-0.11	0.56	5.01	-0.17	0.21	
		-0.03	0.03		-0.02	0.04		-0.10	0.01		-0.02	0.08		-0.02	0.02	
382E77	5.05	-0.05	2.16	5.60	-3.05	0.91	5.61	-1.13	2.59	6.12	-3.48	0.12	5.17	1.08	3.76	
		-0.01	0.08		-0.51	0.03		-0.14	0.09		-0.66	0.02		0.14	0.30	
KQRJHN	4.98	-0.77	0.27	6.03	-0.51	0.52	5.64	-0.89	0.62	6.69	-0.49	0.04	4.93	-0.84	0.14	
		-0.08	0.01		-0.09	0.02		-0.11	0.02		-0.09	0.01		-0.11	0.01	
G9MNCZ	5.05	-0.11	0.31	6.13	0.10	0.46	5.72	-0.20	0.69	6.83	0.28	0.18	5.01	-0.15	0.26	
		-0.01	0.01		0.02	0.02		-0.03	0.02		0.05	0.03		-0.02	0.02	
UB76AM	5.06	0.05	0.85	6.18	0.36	0.62	5.72	-0.25	0.46	6.79	0.07	0.18	5.06	0.25	0.50	
		0.01	0.03		0.06	0.02		-0.03	0.02		0.01	0.03		0.03	0.04	
3D69EG	5.14	0.80	0.53	6.19	0.42	0.62	5.82	0.57	1.20	6.84	0.30	0.08	5.20	1.32	1.32	
		0.08	0.02		0.07	0.02		0.07	0.04		0.06	0.01		0.17	0.11	
KXVCQX	5.02	-0.41	0.85	6.10	-0.12	0.17	5.79	0.36	0.17	6.77	-0.07	0.18	4.96	-0.60	0.07	
		-0.04	0.03		-0.02	0.01		0.05	0.01		-0.01	0.03		-0.08	0.01	
EDKTTZ	5.14	0.77	0.85	6.16	0.26	0.79	5.84	0.73	0.60	6.83	0.25	0.15	5.07	0.28	0.31	
		0.08	0.03		0.04	0.03		0.09	0.02		0.05	0.02		0.04	0.03	
QV4LLK	5.12	0.57	1.69	6.01	-0.61	0.46	5.73	-0.15	1.20	6.68	-0.53	0.12	5.11	0.66	0.72	
		0.06	0.06		-0.10	0.02		-0.02	0.04		-0.10	0.02		0.08	0.06	
XKF48E	5.07	0.08	1.53	6.17	0.30	1.72	5.77	0.15	1.73	6.83	0.28	0.41	5.03	0.01	0.71	
		0.01	0.06		0.05	0.06		0.02	0.06		0.05	0.06		0.00	0.06	
F668JV	4.95	-1.10	0.55	5.95	-0.99	0.60	5.62	-1.05	0.35	6.26	-2.72	4.11	4.96	-0.57	0.33	
		-0.11	0.02		-0.17	0.02		-0.13	0.01		-0.52	0.58		-0.07	0.03	
PN7ACJ	5.10	0.44	0.55	6.18	0.36	0.17	5.78	0.28	0.92	6.82	0.21	0.42	5.11	0.63	0.12	
		0.05	0.02		0.06	0.01		0.04	0.03		0.04	0.06		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		
Grand Median		5.06			6.12			5.75			6.78			5.03	
Median Abs Dev		0.04			0.07			0.05			0.06			0.07	
Avg Within Lab SD		0.04			0.03			0.03			0.14			0.08	
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		

pH (1:2) 0.01M <chem>CaCl2</chem> (SubTestCode 118)	in the Soil pH & EC Property Groups															Data units: Unit
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
6WAFT7	4.98	-0.29	0.39	5.98	-0.20	0.20	5.79	0.19	0.75	6.60	-0.33	0.13	4.98	-0.36	0.11	
		-0.07	0.01		-0.04	0.01		0.03	0.04		-0.06	0.01		-0.05	0.01	
VJYMAG	5.06	0.00	0.39	6.02	-0.03	0.92	5.79	0.19	0.28	6.67	0.00	1.53	5.03	0.00	1.04	
		0.00	0.01		-0.01	0.03		0.03	0.02		0.00	0.07		0.00	0.06	
382E77	5.87	3.25	2.04	5.69	-1.53	1.22	5.72	-0.29	2.22	6.34	-1.74	2.56	5.27	1.61	2.82	
		0.82	0.06		-0.33	0.04		-0.04	0.12		-0.33	0.11		0.24	0.15	
2Y8W7C	5.03	-0.09	0.52	6.03	0.00	0.20	5.69	-0.48	0.10	6.64	-0.14	0.23	5.00	-0.18	0.29	
		-0.02	0.02		0.00	0.01		-0.07	0.01		-0.03	0.01		-0.03	0.02	
HMD97T	5.05	-0.04	0.20	6.14	0.50	0.20	5.74	-0.12	0.28	6.75	0.46	0.48	5.04	0.07	0.19	
		-0.01	0.01		0.11	0.01		-0.02	0.02		0.09	0.02		0.01	0.01	
QV4LLK	5.74	2.73	1.60	6.61	2.69	1.22	6.46	5.01	0.90	7.05	2.03	1.28	5.54	3.45	1.21	
		0.69	0.05		0.59	0.04		0.70	0.05		0.38	0.06		0.51	0.06	
F668JV	4.93	-0.50	1.22	5.90	-0.60	1.32	5.64	-0.88	0.38	6.51	-0.81	0.26	4.97	-0.43	0.57	
		-0.13	0.04		-0.13	0.04		-0.12	0.02		-0.15	0.01		-0.06	0.03	
FWELDX	5.08	0.11	0.20	6.22	0.90	0.40	5.77	0.10	0.10	6.76	0.48	0.13	5.11	0.54	0.00	
		0.03	0.01		0.20	0.01		0.01	0.01		0.09	0.01		0.08	0.00	
XLBLAF	5.01	-0.19		6.02	-0.03		5.76	0.00		6.62	-0.25		5.00	-0.20		
		-0.05	0.00		-0.01	0.00		0.00	0.00		-0.05	0.00		-0.03	0.00	
KN9DZT	5.07	0.05	1.47	6.09	0.31	1.06	5.74	-0.12	0.10	6.76	0.48	0.35	5.02	-0.09	0.22	
		0.01	0.04		0.07	0.03		-0.02	0.01		0.09	0.02		-0.01	0.01	
6YCNP4	5.10	0.17	0.00	6.17	0.64	2.01	5.77	0.05	2.09	6.80	0.70	0.00	5.10	0.48	0.00	
		0.04	0.00		0.14	0.06		0.01	0.12		0.13	0.00		0.07	0.00	
Grand Median		5.06		6.03			5.76			6.67			5.03			
Median Abs Dev		0.04		0.11			0.03			0.09			0.05			
Avg Within Lab SD		0.03		0.03			0.06			0.04			0.05			
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		

Soil EC (1:5) H2O (SubTestCode 119)	in the Soil pH & EC Property Groups										Data units: dS/m				
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515						SRSSRS1515				
XX43YG	0.11	1.37 0.00	0.13	1.28 0.01	0.10	1.27 0.01	0.18	0.89 0.01	0.19	1.40 0.01					
B28ZB7	0.07	0.35 0.00	0.09	0.60 0.00	0.06	0.63 0.00	0.14	1.10 0.01	0.15	0.22 0.00					
Grand Median	0.087		0.11		0.080		0.16		0.17						
Median Abs Dev															
Avg Within Lab SD	0.003		0.01		0.006		0.01		0.01						
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
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515
C47NEY	6.52	-1.61	0.63	7.02	-1.26	1.25	7.12	-0.79	0.89	7.17	-0.89	1.07	6.32	-2.17	0.67	
		-0.32	0.03		-0.16	0.03		-0.09	0.03		-0.09	0.03		-0.40	0.02	
VJYMAG	6.82	-0.10	1.73	7.18	-0.03	0.95	7.32	0.94	1.28	7.23	-0.27	0.93	6.65	-0.39	0.74	
		-0.02	0.07		0.00	0.02		0.11	0.04		-0.03	0.02		-0.07	0.02	
8MDKJZ	6.63	-1.07	0.97	7.05	-1.03	1.44	7.03	-1.64	0.89	7.22	-0.40	1.07	6.52	-1.05	1.03	
		-0.21	0.04		-0.13	0.04		-0.19	0.03		-0.04	0.03		-0.20	0.03	
KQWZGM	6.91	0.35	2.04	7.23	0.33	1.48	7.23	0.12	2.31	7.30	0.37	1.85	6.81	0.49	2.42	
		0.07	0.09		0.04	0.04		0.01	0.07		0.04	0.05		0.09	0.08	
KQRJHN	7.02	0.91	0.24	7.47	2.19	0.41	7.29	0.70	0.20	7.49	2.24	0.62	6.81	0.49	0.32	
		0.18	0.01		0.28	0.01		0.08	0.01		0.23	0.02		0.09	0.01	
KZGFYV	7.09	1.26	0.00	7.19	0.03	0.00	7.19	-0.21	0.00	7.29	0.27	0.00	6.79	0.39	0.00	
		0.25	0.00		0.00	0.00		-0.02	0.00		0.03	0.00		0.07	0.00	
MKUMMU	6.96	0.60	0.72	7.25	0.49	1.42	7.31	0.82	1.02	7.35	0.89	1.30	6.90	0.96	1.13	
		0.12	0.03		0.06	0.03		0.09	0.03		0.09	0.03		0.18	0.04	
UB76AM	6.73	-0.54	0.97	7.14	-0.39	1.03	7.19	-0.18	0.54	7.21	-0.53	1.17	6.61	-0.60	0.81	
		-0.11	0.04		-0.05	0.03		-0.02	0.02		-0.06	0.03		-0.11	0.03	
HMD97T	6.86	0.10	0.00	7.23	0.33	0.00	7.35	1.23	0.20	7.29	0.27	0.00	6.74	0.10	0.19	
		0.02	0.00		0.04	0.00		0.14	0.01		0.03	0.00		0.02	0.01	
6YCNP4	6.80	-0.20	0.00	7.10	-0.67	0.00	7.20	-0.12	0.00	7.20	-0.60	0.00	6.70	-0.10	0.00	
		-0.04	0.00		-0.09	0.00		-0.01	0.00		-0.06	0.00		-0.02	0.00	
Grand Median	6.84			7.19			7.21			7.26			6.72			
Median Abs Dev	0.11			0.06			0.09			0.05			0.09			
Avg Within Lab SD	0.04			0.02			0.03			0.02			0.03			
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		

Sikora Buffer pH (SubTestCode 122)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
NRW8AP	7.17	1.57	1.55	7.37	2.09	2.09	7.33	0.25	1.73	7.47	1.92	1.89	6.90	1.56	0.00
		0.35	0.06		0.24	0.06		0.03	0.06		0.20	0.06		0.28	0.00
MGZK6N	6.67	-0.69	1.55	7.07	-0.58	2.09	7.20	-1.02	0.00	7.10	-1.54	0.00	6.63	0.09	1.36
		-0.15	0.06		-0.07	0.06		-0.11	0.00		-0.16	0.00		0.02	0.06
4RZ3B8	6.71	-0.51	0.56	7.10	-0.31	0.21	7.26	-0.48	0.17	7.20	-0.57	0.83	6.54	-0.40	0.27
		-0.11	0.02		-0.04	0.01		-0.05	0.01		-0.06	0.03		-0.07	0.01
C4PRLY	6.82	0.00	2.42	7.15	0.16	2.26	7.45	1.40	2.28	7.24	-0.19	1.81	6.69	0.40	0.62
		0.00	0.09		0.02	0.06		0.15	0.08		-0.02	0.06		0.07	0.03
CE8C7V	6.87	0.23	0.97	7.16	0.25	1.25	7.33	0.19	1.95	7.26	0.00	1.37	6.69	0.39	2.14
		0.05	0.04		0.03	0.03		0.02	0.07		0.00	0.04		0.07	0.09
32WJM7	6.79	-0.12	0.31	7.10	-0.31	0.21	7.33	0.25	0.17	7.20	-0.60	0.33	6.62	0.00	0.27
		-0.03	0.01		-0.04	0.01		0.03	0.01		-0.06	0.01		0.00	0.01
CQF2X6	6.73	-0.39	1.55	6.90	-2.06	0.00	6.90	-3.89	0.00				6.80	1.01	2.36
		-0.09	0.06		-0.23	0.00		-0.41	0.00					0.18	0.10
KZGFYV	7.10	1.26	0.00	7.20	0.61	0.00	7.20	-1.02	0.00	7.30	0.35	0.00	6.80	1.01	0.00
		0.28	0.00		0.07	0.00		-0.11	0.00		0.04	0.00		0.18	0.00
UB76AM	6.89	0.30	0.87	7.19	0.55	0.84	7.32	0.10	0.17	7.32	0.53	0.00	6.60	-0.09	0.85
		0.07	0.03		0.06	0.02		0.01	0.01		0.06	0.00		-0.02	0.04
44U7TF	6.97	0.69	0.78	7.22	0.76	1.11	7.40	0.92	0.75	7.42	1.45	1.33	6.69	0.40	1.03
		0.15	0.03		0.09	0.03		0.10	0.03		0.15	0.04		0.07	0.04
BL7NF7	6.83	0.03	0.68	7.20	0.58	0.55	7.30	-0.03	0.96	7.31	0.44	1.31	6.63	0.09	1.30
		0.01	0.03		0.07	0.02		0.00	0.03		0.05	0.04		0.02	0.06
KXVCQX	6.90	0.38	0.56	7.18	0.46	0.42	7.31	0.03	1.20	7.32	0.50	0.50	6.60	-0.11	0.55
		0.08	0.02		0.05	0.01		0.00	0.04		0.05	0.02		-0.02	0.02
BZCGA4	7.65	3.76	1.53										7.50	4.86	0.82
		0.83	0.06											0.88	0.03
V9WEKJ	6.77	-0.24	0.16	7.11	-0.16	0.21	7.30	-0.03	0.17	7.29	0.25	0.33	6.61	-0.04	0.00
		-0.05	0.01		-0.02	0.01		0.00	0.01		0.03	0.01		-0.01	0.00
Y3EFFF	6.76	-0.27	0.00	7.09	-0.40	0.21	7.36	0.51	0.00	7.22	-0.44	0.19	6.57	-0.26	0.00
		-0.06	0.00		-0.05	0.01		0.05	0.00		-0.05	0.01		-0.05	0.00
RKW4MM	6.90	0.36	0.00	7.10	-0.28	0.00	7.30	-0.06	0.00	7.20	-0.60	0.00	6.60	-0.09	0.00
		0.08	0.00		-0.03	0.00		-0.01	0.00		-0.06	0.00		-0.02	0.00
4F7V8B	6.82	-0.02	0.16	7.16	0.25	0.00	7.33	0.22	0.00	7.29	0.28	0.19	6.62	0.00	0.36
		0.00	0.01		0.03	0.00		0.02	0.00		0.03	0.01		0.00	0.02
PAPEWM	6.70	-0.54	0.00	7.10	-0.28	0.00	7.30	-0.06	0.00	7.23	-0.28	1.89	6.50	-0.64	
		-0.12	0.00		-0.03	0.00		-0.01	0.00		-0.03	0.06		-0.12	0.00
B63RJ3	6.50	-1.45		6.90	-2.06	0.00	7.13	-1.66	1.73	7.10	-1.54	0.00	6.37	-1.38	1.36
		-0.32	0.00		-0.23	0.00		-0.17	0.06		-0.16	0.00		-0.25	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	6.82			7.13			7.31			7.26			6.62		
Median Abs Dev	0.08			0.05			0.03			0.05			0.07		
Avg Within Lab SD	0.04			0.03			0.03			0.03			0.04		
Labs Included	19			18			18			17			19		
Labs Reporting	19			18			18			17			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	
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515							SRSSRS1515			
6WAFT7	7.55	-1.84	0.17	7.63	-2.45	0.00	7.84	-0.60	0.00	7.68	-2.05	1.00	7.38	-1.05	0.14
		-0.07	0.01		-0.08	0.00		-0.01	0.00		-0.08	0.02		-0.04	0.01
KQWZGM	7.63	0.13	1.65	7.71	0.05	1.25	7.85	0.60	1.50	7.75	-0.22	1.39	7.44	0.46	1.79
		0.01	0.06		0.00	0.02		0.01	0.02		-0.01	0.03		0.02	0.07
G6NDG2	7.64	0.58	0.17	7.72	0.15	1.13	7.86	0.90	0.42	7.76	0.22	0.28	7.40	-0.46	0.00
		0.02	0.01		0.01	0.02		0.01	0.01		0.01	0.01		-0.02	0.00
4C4V8E	7.62	-0.13	1.10	7.71	-0.05	1.08	7.84	-0.60	1.25	7.76	0.22	1.00	7.45	0.72	0.87
		-0.01	0.04		0.00	0.02		-0.01	0.02		0.01	0.02		0.03	0.04
Grand Median		7.62		7.71		7.85		7.76		7.76		7.42			
Median Abs Dev		0.01		0.00		0.01		0.01		0.01		0.02		0.02	
Avg Within Lab SD		0.03		0.02		0.01		0.02		0.02		0.04			
Labs Included		4		4		4		4		4		4		4	
Labs Reporting		4		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		

Woodruff Buffer pH (SubTestCode 124)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAFT7	6.54	-1.73	0.15	6.80	-1.56	0.25	6.86	-0.26	0.29	6.90	-1.40	0.39	6.44	-0.67	0.15
		-0.12	0.01		-0.10	0.01		-0.02	0.01		-0.10	0.01		-0.06	0.01
C47NEY	6.55	-1.63	1.79	6.97	1.08	2.20	6.84	-0.49	1.73	7.05	0.69	2.04	6.44	-0.75	2.00
		-0.12	0.07		0.07	0.05		-0.04	0.03		0.05	0.03		-0.07	0.08
4RZ3B8	6.66	-0.02	0.54	6.88	-0.34	1.16	6.88	0.02	1.15	6.96	-0.64	1.71	6.54	0.40	0.15
		0.00	0.02		-0.02	0.03		0.00	0.02		-0.05	0.03		0.04	0.01
Q4YHTG	6.72	0.83	0.83	6.89	-0.19	0.00	6.85	-0.30	0.76	7.00	0.02	0.39	6.57	0.75	0.15
		0.06	0.03		-0.01	0.00		-0.02	0.02		0.00	0.01		0.07	0.01
KQWZGM	6.65	-0.21	1.13	6.90	0.03	0.25	6.87	-0.02	1.53	6.98	-0.31	0.68	6.55	0.56	1.16
		-0.02	0.04		0.00	0.01		0.00	0.03		-0.02	0.01		0.05	0.04
QUDDLH	6.67	0.02	1.49	6.90	-0.03	0.00	6.90	0.35	0.00	7.00	-0.02		6.47	-0.40	1.54
		0.00	0.06		0.00	0.00		0.03	0.00		0.00	0.00		-0.04	0.06
KQRJHN	6.70	0.45	0.15	6.97	1.14	0.25	6.94	0.96	0.29	7.07	0.92	0.39	6.55	0.60	0.15
		0.03	0.01		0.07	0.01		0.07	0.01		0.07	0.01		0.05	0.01
KXVCQX	6.70	0.50	0.52	6.97	1.03	1.27	7.09	2.98	0.76	7.10	1.40	0.00	6.39	-1.25	0.41
		0.04	0.02		0.07	0.03		0.21	0.02		0.10	0.00		-0.11	0.02
Grand Median		6.67		6.90			6.88			7.00			6.50		
Median Abs Dev		0.03		0.04			0.02			0.05			0.06		
Avg Within Lab SD		0.04		0.02			0.02			0.01			0.04		
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 Buffer pH (SubTestCode 125)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
XKF48E	6.20	0.00	6.37	1.21	6.50	0.00	6.49	1.00	6.00	0.00	0.00
		0.00		0.06		1.13		0.02		0.45	0.05
TAEMVG	6.21	0.68	6.34	0.74	6.42	0.02	6.49	0.02	6.01	0.05	1.34
		1.59		0.99		0.85		0.02		0.15	0.15
HNU6YT	6.10	0.08	6.31	0.05	6.43	0.02			5.93	0.05	0.15
		0.08		0.05		0.02			0.05	0.05	0.15
Grand Median	6.20		6.34		6.43		6.49		6.00		
Median Abs Dev											
Avg Within Lab SD	0.05		0.05		0.02		0.02		0.11		
Labs Included	3		3		3		1		3		
Labs Reporting	3		3		3		1		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		

NO3-N Cd. Rd. (SubTestCode 126)				in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg	
SRSSRS1511				SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
NRW8AP	21.0	0.6	0.8	23.5	0.1	0.9	22.2	1.2	0.3	43.0	-0.1	0.8	72.0	1.2	0.3		
		1.6	0.5		0.4	1.0		4.4	0.3		-0.5	1.5		8.7	0.5		
FQP3HU	20.3	0.4	0.8	22.9	-0.1	0.3	21.8	1.1	0.7	36.7	-0.8	3.5	62.6	-0.1	0.6		
		0.9	0.5		-0.2	0.3		4.0	0.7		-6.8	6.5		-0.6	1.2		
MGZK6N	3.4	-6.2	0.2	4.2	-6.1	0.1	3.2	-4.1	0.2	7.2	-4.1	0.1	10.0	-7.5	0.0		
		-16.0	0.2		-18.9	0.1		-14.5	0.2		-36.3	0.2		-53.3	0.0		
C47NEY	22.2	1.1	0.3	24.5	0.4	0.5	20.5	0.8	0.1	51.2	0.9	0.2	68.5	0.7	0.2		
		2.8	0.2		1.3	0.5		2.8	0.1		7.7	0.3		5.3	0.3		
7WA3K4	20.1	0.3	0.5	24.5	0.4	0.6	17.8	0.0	0.6	50.1	0.7	0.4	66.1	0.4	0.8		
		0.7	0.3		1.3	0.6		0.0	0.6		6.6	0.7		2.9	1.6		
VJYMAG	19.7	0.1	0.8	23.4	0.1	0.7	16.9	-0.3	0.5	46.2	0.3	0.7	62.5	-0.1	0.7		
		0.3	0.5		0.3	0.8		-0.9	0.5		2.7	1.3		-0.8	1.3		
4RZ3B8	20.6	0.5	1.2	22.9	-0.1	1.2	21.7	1.1	0.8	39.3	-0.5	0.5	65.8	0.4	2.2		
		1.2	0.8		-0.3	1.3		3.9	0.8		-4.2	0.8		2.5	4.4		
C4PRLY	19.0	-0.1	1.5	21.0	-0.7	0.9	18.0	0.1	0.8	34.0	-1.1	0.5	54.7	-1.2	0.3		
		-0.4	1.0		-2.1	1.0		0.2	0.0		-9.5	1.0		-8.6	0.6		
8MDKJZ	16.1	-1.3	0.4	16.8	-2.0	0.6	11.1	-1.9	0.4	70.3	3.0	0.5	69.2	0.8	0.4		
		-3.3	0.3		-6.3	0.6		-6.6	0.4		26.8	0.9		5.9	0.8		
477W66	11.0	-3.2	0.8	14.5	-2.8	0.2	16.9	-0.3	0.4	32.3	-1.3	0.1	46.7	-2.3	0.1		
		-8.4	0.5		-8.6	0.3		-0.9	0.4		-11.2	0.3		-16.6	0.3		
DZKJUJ	19.7	0.1	0.9	23.3	0.1	0.5	21.7	1.1	0.6	41.0	-0.3	0.5	63.0	0.0	0.5		
		0.3	0.6		0.2	0.6		3.9	0.6		-2.5	1.0		-0.3	1.0		
KQWZGM	19.1	-0.1	0.9	23.1	0.0	0.8	16.7	-0.3	0.7	49.5	0.7	0.1	65.1	0.3	0.4		
		-0.3	0.6		-0.1	0.8		-1.0	0.7		6.0	0.3		1.8	0.7		
JR9FBN	24.2	1.8	1.3	24.6	0.5	2.0	22.5	1.3	0.3	43.7	0.0	2.3	70.8	1.1	1.9		
		4.8	0.8		1.4	2.1		4.7	0.3		0.2	4.3		7.5	3.8		
8NA3L2	20.1	0.3	0.3	24.6	0.5	0.5	17.0	-0.2	0.1	52.2	1.0	0.2	70.1	1.0	0.2		
		0.7	0.2		1.4	0.5		-0.7	0.1		8.7	0.3		6.9	0.5		
4XQDK7	19.4	0.0	0.3	18.7	-1.4	0.1	21.4	1.0	0.6	42.7	-0.1	0.7	62.8	-0.1	0.1		
		0.0	0.2		-4.5	0.1		3.6	0.6		-0.8	1.4		-0.4	0.3		
QUDDLH	18.6	-0.3	0.9	21.8	-0.4	0.6	20.5	0.8	0.3	37.1	-0.7	1.2	61.5	-0.2	1.3		
		-0.8	0.6		-1.3	0.6		2.7	0.3		-6.4	2.3		-1.7	2.5		
G6NDG2	15.5	-1.5	0.6	17.6	-1.8	0.4	17.8	0.0	0.3	33.7	-1.1	0.4	53.0	-1.4	0.4		
		-3.9	0.4		-5.6	0.4		0.0	0.3		-9.8	0.8		-10.3	0.7		
CQF2X6	25.3	2.3	2.4	27.3	1.3	0.5	21.7	1.1	0.6	47.0	0.4	0.5	74.0	1.5	1.0		
		5.9	1.5		4.2	0.6		3.9	0.6		3.5	1.0		10.7	2.0		
QB3B2R	18.2	-0.4	0.5	23.7	0.2	0.9	17.9	0.0	0.3	42.0	-0.2	0.6	55.5	-1.1	0.3		
		-1.2	0.4		0.6	1.0		0.1	0.3		-1.5	1.0		-7.8	0.7		
UB76AM	19.9	0.2	0.7	24.7	0.5	0.1	17.1	-0.2	0.4	52.3	1.0	0.4	66.9	0.5	0.5		
		0.5	0.5		1.6	0.2		-0.7	0.4		8.8	0.8		3.6	1.0		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
3D69EG	19.9	0.2	1.7	23.9	0.2	1.2	15.2	-0.7	0.6	48.3	0.5	1.0	62.8	-0.1	1.3
		0.5	1.1		0.8	1.3		-2.6	0.6		4.8	1.8		-0.5	2.6
BL7NF7	19.4	0.0	0.7	21.8	-0.4	0.5	22.7	1.4	0.6	38.7	-0.5	0.7	65.2	0.3	1.2
		0.0	0.4		-1.4	0.5		4.9	0.6		-4.8	1.3		1.9	2.4
WR44BL	18.6	-0.3	0.0	19.9	-1.0	0.0	20.1	0.7	0.0	38.1	-0.6	0.6	62.2	-0.2	0.1
		-0.8	0.0		-3.2	0.0		2.4	0.0		-5.4	1.0		-1.1	0.3
4C4V8E	16.7	-1.1	0.9	19.0	-1.3	0.9	18.3	0.2	1.2	37.7	-0.7	1.6	51.7	-1.6	1.9
		-2.7	0.6		-4.1	1.0		0.6	1.2		-5.8	3.1		-11.6	3.8
XX43YG	21.4	0.8	1.8	27.1	1.3	0.7	19.3	0.4	1.1	53.2	1.1	1.8	68.1	0.7	2.6
		2.0	1.2		3.9	0.8		1.5	1.0		9.7	3.4		4.8	5.2
BRWXP6	19.3	0.0	0.1	23.4	0.1	0.0	16.3	-0.4	0.1	49.3	0.7	0.1	64.8	0.2	0.0
		-0.1	0.1		0.3	0.0		-1.5	0.1		5.8	0.2		1.5	0.1
RKW4MM	18.7	-0.3	0.8	20.7	-0.8	0.1	20.8	0.8	0.6	38.6	-0.6	0.4	61.9	-0.2	0.5
		-0.7	0.5		-2.5	0.2		3.0	0.6		-4.9	0.7		-1.4	0.9
4F7V8B	20.5	0.4	0.2	21.8	-0.4	0.1	21.3	1.0	0.6	40.5	-0.3	0.4	66.0	0.4	
		1.1	0.1		-1.3	0.2		3.6	0.6		-3.0	0.7		2.7	0.0
CZ7M44	18.7	-0.3	0.9	23.3	0.1	1.1	16.7	-0.3	0.6	47.0	0.4	0.5	60.7	-0.4	0.6
		-0.7	0.6		0.2	1.2		-1.1	0.6		3.5	1.0		-2.6	1.2
HMD97T	19.3	0.0	0.1	23.9	0.2	0.2	16.7	-0.3	0.2	50.1	0.7	0.8	65.5	0.3	0.4
		-0.1	0.1		0.7	0.2		-1.1	0.2		6.6	1.5		2.2	0.7
PVAGRL	22.7	1.3	2.1	24.4	0.4	0.4	25.6	2.2	3.8	41.9	-0.2	0.6			
		3.3	1.4		1.3	0.4		7.9	3.6		-1.6	1.2			
KMCVXR	21.9	1.0		24.2	0.3		17.0	-0.2		49.3	0.7		68.3	0.7	
		2.5	0.0		1.1	0.0		-0.8	0.0		5.8	0.0		5.0	0.0
4PWGDA	17.7	-0.7		21.8	-0.4		16.0	-0.5		43.5	0.0		58.1	-0.7	
		-1.7	0.0		-1.3	0.0		-1.8	0.0		0.0	0.0		-5.2	0.0
B63RJ3	14.2	-2.0	1.1	17.6	-1.8	0.3	13.1	-1.3	0.6	33.4	-1.1	1.9	44.5	-2.6	2.4
		-5.2	0.7		-5.5	0.3		-4.7	0.6		-10.1	3.6		-18.7	4.6
6YCNP4	19.5	0.0	1.0	20.0	-1.0	4.4	16.8	-0.3	0.3	47.7	0.5	0.2	63.5	0.0	0.2
		0.1	0.7		-3.2	4.7		-0.9	0.3		4.2	0.4		0.3	0.3
NT8YFL	18.7	-0.3	1.6	23.1	0.0	0.9	15.6	-0.6	1.1	47.5	0.4	0.5	60.7	-0.4	0.9
		-0.7	1.0		0.0	1.0		-2.2	1.0		4.0	0.9		-2.6	1.8
P43R2G	20.4	0.4	0.3	26.5	1.1	0.3	17.2	-0.2	0.1	54.2	1.2	0.2	69.7	0.9	0.4
		1.0	0.2		3.3	0.3		-0.5	0.1		10.7	0.4		6.5	0.9
WN9D4A	22.8	1.3	1.0	25.2	0.7	0.5	20.9	0.9	3.5	49.6	0.7	0.4	64.4	0.2	1.0
		3.4	0.7		2.1	0.5		3.1	3.3		6.1	0.8		1.1	2.0
Grand Median		19.4		23.1			17.8			43.5			63.3		
Median Abs Dev		0.9		1.3			2.2			5.8			2.8		
Avg Within Lab SD		0.6		1.1			1.0			1.9			2.0		
Labs Included		37		37			37			37			36		
Labs Reporting		37		37			37			37			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		

NO3-N ISE (SubTestCode 127)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg	
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515									
32WJM7	16.9	-0.2 0.4	20.0	0.0 0.3	16.2	0.1 0.3	40.0	-0.6 0.1	47.7	-1.3 0.8				
M8UYGL	23.9	-0.7 0.6 1.7 2.3	24.8	0.0 0.4 1.9 2.5	24.4	0.4 0.4 1.8 1.1	46.9	-4.1 0.3 0.4 2.2	60.7	-6.2 1.0 1.4 0.9				
KZGFYV	20.0	6.2 3.2 0.7 0.1 2.4 0.2	21.4	4.8 3.6 0.5 0.2 1.4 0.3	20.4	8.7 1.4 1.0 0.2 4.7 0.2	42.5	2.9 3.7 -0.2 0.6 -1.6 1.0	61.5	6.8 1.2 1.5 1.5 7.6 2.0				
Y3EFFF	15.1	-0.7 0.2 -2.5 0.2	20.0	0.0 0.4 -0.3 1.1	11.6	-0.9 0.4 -4.1 0.5	45.7	0.2 0.9 1.6 1.6	53.8	0.0 0.6 -0.1 0.8				
PAPEWM	14.3	-0.9 0.4 -3.3 0.6	19.3	-0.7 1.5 -1.4 0.4	15.3	-0.1 0.4 -0.4 0.6	35.0	-1.4 -9.1 0.0	52.0	-0.4 1.5 -1.9 2.0				
TPMZPJ	18.3	0.2 1.5 0.7 2.1	16.3	-1.4 0.4 -3.7 0.6	13.7	-0.4 2.4 -2.1 3.1	37.6	-1.0 1.0 -6.5 1.6	55.4	0.3 0.3 1.5 0.3				
YH7DHA	14.3	-0.9 0.4 -3.3 0.6	20.0	0.0 0.0 1.3 0.5	14.7	-0.2 0.4 -1.1 0.6	46.0	0.3 0.6 1.9 1.0	51.3	-0.5 1.1 -2.5 1.5				
HNU6YT	18.3	0.2 0.1 0.7 0.2	23.3	1.3 0.5 3.3 0.7	19.6	0.8 0.8 3.9 1.0	52.7	1.3 0.8 8.6 1.4	53.9	0.0 0.7 0.1 1.0				
Grand Median	17.6		20.0		15.8		44.1		53.9					
Median Abs Dev	2.4		1.1		3.0		3.5		2.2					
Avg Within Lab SD	1.4		1.4		1.3		1.7		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		

NO3-N CTA (SubTestCode 128)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
6WAFT7	19.8	1.2	24.5	0.8	17.0	1.2	50.1	0.7	66.2	0.3	
		0.8		0.9		0.7		1.4		1.2	
CE8C7V	16.5	0.8	19.9	1.1	14.9	0.7	38.1	1.2	48.6	1.4	
		0.5		1.2		0.4		2.5		5.0	
Grand Median	18.1		22.2		15.9		44.1		57.4		
Median Abs Dev											
Avg Within Lab SD	0.7		1.1		0.6		2.0		3.7		
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		

NO3-N Ion Chr. (SubTestCode 129)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg				
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515				
XKF48E	19.9	1.3	20.5	1.7	19.6	1.4	45.2	1.6	69.6	1.7					
		2.4		2.3		4.5		3.9		10.1					
KN9DZT	20.4	0.1	24.9	0.2	17.3	0.1	52.4	0.1	70.0	0.0					
		0.2		0.2		0.4		0.2		0.2					
TPMZPJ	18.3	1.1	16.3	0.4	13.7	1.0	37.6	0.7	55.4	0.1					
		2.1		0.6		3.1		1.6		0.3					
Grand Median	19.9		20.5		17.3		45.2		69.6						
Median Abs Dev															
Avg Within Lab SD	1.8		1.4		3.2		2.5		5.8						
Labs Included	3		3		3		3		3						
Labs Reporting	3		3		3		3		3						



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

NH4 - N (KCl Extr.) (SubTestCode 130)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515					
NRW8AP	28.28	0.43	0.26	7.08	0.42	0.24	12.28	-0.31	0.05	3.72	0.01	0.23	11.29	0.13	0.13		
		2.03	0.22		0.50	0.13		-0.92	0.03		0.01	0.14		0.34	0.09		
6WAFT7	30.20	0.83	0.31	5.17	-1.18	0.11	15.53	0.78	0.25	3.50	-0.11	0.17	20.70	3.74	0.13		
		3.95	0.26		-1.42	0.06		2.34	0.15		-0.21	0.10		9.75	0.10		
C47NEY	26.17	-0.02	0.93	10.11	2.93	0.99	17.37	1.39	0.48	8.67	2.64	0.57	14.45	1.34	0.50		
		-0.08	0.80		3.53	0.54		4.18	0.30		4.96	0.34		3.50	0.37		
7WA3K4	22.89	-0.71	0.20	6.45	-0.11	0.87	11.47	-0.58	0.29	4.12	0.22	0.69	9.77	-0.46	1.14		
		-3.37	0.17		-0.13	0.48		-1.73	0.18		0.41	0.41		-1.19	0.85		
VJYMAG	27.58	0.28	0.55	6.30	-0.24	1.19	11.38	-0.60	0.75	2.85	-0.46	2.05	11.95	0.38	1.33		
		1.33	0.47		-0.28	0.65		-1.81	0.46		-0.86	1.22		0.99	0.99		
4RZ3B8	26.33	0.02	3.28	6.96	0.32	2.98	15.07	0.63	3.40	2.70	-0.54	3.77	10.68	-0.11	3.97		
		0.08	2.83		0.38	1.63		1.88	2.11		-1.01	2.24		-0.28	2.96		
C4PRLY	26.33	0.02	0.67	7.00	0.35	1.82	15.00	0.60	1.61	9.00	2.82	0.00	9.00	-0.75	1.34		
		0.08	0.58		0.42	1.00		1.81	1.00		5.29	0.00		-1.95	1.00		
477W66	15.03	-2.36	0.29	7.67	0.90	1.05	12.20	-0.33	0.58	4.27	0.30	0.42	8.40	-0.98	0.13		
		-11.22	0.25		1.08	0.58		-0.99	0.36		0.56	0.25		-2.55	0.10		
CE8C7V	21.74	-0.95	0.62	5.53	-0.88	0.57	10.38	-0.94	0.21	2.56	-0.61	0.34	8.93	-0.78	0.92		
		-4.51	0.54		-1.06	0.31		-2.82	0.13		-1.15	0.20		-2.02	0.69		
8NA3L2	12.10	-2.98	0.72	4.03	-2.12	0.42	5.77	-2.48	0.09	2.67	-0.55	0.68	6.47	-1.72	0.08		
		-14.15	0.62		-2.55	0.23		-7.43	0.06		-1.04	0.40		-4.49	0.06		
QUDDLH	25.93	-0.07	0.07	6.13	-0.37	0.38	14.73	0.51	0.41	2.63	-0.57	0.10	10.93	-0.01	0.20		
		-0.32	0.06		-0.45	0.21		1.54	0.25		-1.07	0.06		-0.02	0.15		
G6NDG2	21.55	-0.99	0.47	5.67	-0.76	0.22	12.95	-0.08	1.48	2.74	-0.51	0.17	11.01	0.02	0.21		
		-4.71	0.41		-0.91	0.12		-0.25	0.92		-0.96	0.10		0.06	0.16		
QB3B2R	18.17	-1.70	0.29	6.57	-0.01	0.42	17.90	1.57	0.48	5.67	1.05	0.76	8.60	-0.90	0.75		
		-8.09	0.25		-0.02	0.23		4.71	0.30		1.96	0.45		-2.35	0.56		
UB76AM	27.90	0.35	1.37	7.73	0.96	0.69	13.63	0.15	0.76	5.83	1.13	0.93	13.77	1.08	0.31		
		1.65	1.18		1.15	0.38		0.44	0.47		2.13	0.55		2.81	0.23		
3D69EG	24.33	-0.41	1.84	5.34	-1.03	0.25	12.78	-0.14	0.71	3.01	-0.37	0.17	8.23	-1.04	0.24		
		-1.92	1.59		-1.24	0.14		-0.41	0.44		-0.69	0.10		-2.72	0.18		
WR44BL	24.35	-0.40	0.01	6.53	-0.04	0.11	13.44	0.08	0.01	3.83	0.07	0.00	11.50	0.21	0.13		
		-1.90	0.01		-0.05	0.06		0.25	0.01		0.12	0.00		0.55	0.10		
BRWXP6	26.17	-0.02	0.02	6.07	-0.43	0.05	11.44	-0.59	0.10	2.67	-0.55	0.05	10.48	-0.18	0.03		
		-0.09	0.02		-0.52	0.03		-1.76	0.06		-1.04	0.03		-0.47	0.02		
4F7V8B	28.97	0.57	0.12	6.77	0.15	0.11	15.67	0.83	0.26	3.70	-0.01	0.04	11.80	0.32	0.20		
		2.72	0.10		0.18	0.06		2.48	0.16		-0.01	0.02		0.85	0.15		
CZ7M44	27.00	0.16	1.03	7.39	0.67	1.29	11.83	-0.45	0.97	7.32	1.93	0.69	11.60	0.25	0.13		
		0.75	0.89		0.81	0.71		-1.36	0.60		3.61	0.41		0.65	0.10		
HMD97T	26.82	0.12	0.10	6.70	0.09	0.04	12.04	-0.38	0.22	2.90	-0.43	0.03	10.95	0.00	0.04		
		0.57	0.09		0.11	0.02		-1.15	0.14		-0.81	0.02		0.00	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		
PVAGRL	29.70	0.73	0.76	4.60	-1.65	0.66	16.57	1.13	1.39	5.07	0.73	1.14			
		3.45	0.66		-1.98	0.36		3.38	0.86		1.36	0.68			
4PWGDA	25.00	-0.26		6.70	0.10		10.40	-0.93		3.80	0.05		10.70	-0.10	
		-1.25	0.00		0.12	0.00		-2.79	0.00		0.09	0.00		-0.25	0.00
B63RJ3	32.23	1.26	1.66	7.17	0.48	0.69	14.83	0.55	1.30	2.93	-0.41	0.42	13.43	0.95	0.39
		5.98	1.43		0.58	0.38		1.64	0.81		-0.77	0.25		2.48	0.29
6YCNP4	28.87	0.55	0.66	6.60	0.01	1.85	13.70	0.17	0.43	3.93	0.12	0.70	11.13	0.07	0.47
		2.62	0.57		0.02	1.01		0.51	0.26		0.23	0.42		0.18	0.35
Grand Median		26.3			6.58			13.2			3.71			11.0	
Median Abs Dev		2.0			0.51			1.7			0.91			1.0	
Avg Within Lab SD		0.9			0.55			0.6			0.59			0.7	
Labs Included		24			24			24			24			23	
Labs Reporting		24			24			24			24			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		

Amino Nitrogen (SubTestCode 131)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg
SRSSRS1511	SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515						
LDGEMR	100.8	1.0	82.5	1.0		117.5	1.0	74.2	1.0				
	8.8		5.0			2.5		2.9					
Grand Median	100.8		82.5			117.5		74.2					
Median Abs Dev													
Avg Within Lab SD	8.8		5.0		0.00		2.5		2.9				
Labs Included	1		1		0		1		1				
Labs Reporting	1		1		0		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												Data units: mg/kg	
SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
6WAFT7	26.2	0.1	0.2	14.0	0.1	0.3	56.9	-1.8	0.7	67.0	1.6	0.4	54.4	0.8	0.1	
		0.3	0.2		0.2	0.2		-11.6	1.7		9.5	0.6		3.8	0.1	
26FBY9	28.0	0.8	1.1	14.0	0.1		78.3	1.5	0.5	59.3	0.3	1.4	53.0	0.5	0.7	
		2.1	1.0		0.2	0.0		9.8	1.2		1.8	2.1		2.4	1.0	
MGZK6N	23.5	-0.9	0.3	14.4	0.4	0.5	61.8	-1.0	0.6	48.1	-1.6	0.9	45.5	-1.1	0.9	
		-2.4	0.3		0.6	0.3		-6.7	1.4		-9.5	1.3		-5.1	1.2	
C47NEY	25.6	-0.1	0.3	11.5	-1.6	0.8	66.8	-0.3	0.1	58.5	0.2	0.3	50.3	-0.1	0.1	
		-0.3	0.3		-2.3	0.4		-1.7	0.2		1.0	0.4		-0.3	0.2	
VJYMAG	24.7	-0.4	2.9	14.9	0.7	0.5	57.6	-1.7	1.4	69.3	2.0	0.3	53.2	0.6	2.3	
		-1.2	2.7		1.1	0.3		-10.9	3.4		11.8	0.5		2.6	3.2	
4RZ3B8	27.1	0.4	0.5	13.9	0.1	1.9	75.7	1.1	0.9	58.8	0.2	2.0	54.7	0.9	1.4	
		1.2	0.5		0.1	1.0		7.2	2.3		1.3	3.0		4.1	1.9	
8MDKJZ	25.5	-0.1	1.0	15.8	1.4	0.6	71.6	0.5	0.7	57.4	0.0	0.7	44.8	-1.2	1.1	
		-0.4	0.9		2.1	0.3		3.1	1.7		-0.2	1.0		-5.8	1.5	
CE8C7V	23.6	-0.8	0.9	13.3	-0.4	0.9	62.0	-1.0	1.6	65.6	1.4	0.3	50.9	0.1	0.9	
		-2.3	0.9		-0.5	0.5		-6.5	3.9		8.1	0.4		0.3	1.3	
DZKJUJ	28.7	1.0	0.6	14.7	0.6	1.1	68.7	0.0	0.2	58.7	0.2	0.4	60.0	2.0	0.7	
		2.8	0.6		0.9	0.6		0.2	0.6		1.2	0.6		9.4	1.0	
QUDDLH	28.0	0.8		12.7	-0.8	1.1	74.7	0.9	0.5	54.3	-0.5	1.0	52.0	0.3		
		2.1	0.0		-1.1	0.6		6.2	1.2		-3.2	1.5		1.4	0.0	
KQRJHN	31.7	2.1	1.3	15.0	0.8		67.7	-0.1	1.0	57.7	0.0	1.0	48.3	-0.5	0.4	
		5.8	1.2		1.2	0.0		-0.8	2.5		0.2	1.5		-2.3	0.6	
G9MNCZ	25.1	-0.3	0.7	12.2	-1.1	1.1	62.6	-0.9	0.4	54.3	-0.5	0.3	43.7	-1.5	0.4	
		-0.8	0.6		-1.6	0.6		-5.9	0.9		-3.2	0.5		-6.9	0.6	
G6NDG2	30.3	1.6	0.2	14.3	0.4	0.7	78.2	1.5	0.1	60.2	0.5	0.2	57.6	1.5	0.2	
		4.4	0.1		0.5	0.4		9.7	0.3		2.7	0.2		7.0	0.3	
KZGFYV	29.0	1.1		14.3	0.4	1.1	72.3	0.6	1.3	57.7	0.0	0.8	49.3	-0.3	0.4	
		3.1	0.0		0.6	0.6		3.8	3.2		0.2	1.2		-1.3	0.6	
UB76AM	24.0	-0.7		11.0	-1.9		65.7	-0.4	0.6	50.3	-1.2	0.4	47.3	-0.7	0.4	
		-1.9	0.0		-2.8	0.0		-2.8	1.5		-7.2	0.6		-3.3	0.6	
BL7NF7	27.3	0.5	1.7	13.7	-0.1	1.1	70.0	0.2	0.8	55.0	-0.4	2.4	52.3	0.4	0.4	
		1.4	1.5		-0.1	0.6		1.5	2.0		-2.5	3.6		1.7	0.6	
KXVCQX	24.3	-0.6	0.8	12.1	-1.1	1.0	74.6	0.9	0.5	49.4	-1.4	0.7	49.6	-0.2	0.3	
		-1.6	0.8		-1.7	0.5		6.1	1.1		-8.1	1.1		-1.0	0.5	
EDKTTZ	24.3	-0.6	0.6	14.0	0.1	1.9	67.7	-0.1	0.5	58.7	0.2	0.4	52.7	0.4	1.1	
		-1.6	0.6		0.2	1.0		-0.8	1.2		1.2	0.6		2.1	1.5	
GLNMZX	25.0	-0.3		12.7	-0.8	0.6	68.3	0.0	1.6	54.3	-0.5	0.8	48.0	-0.6		
		-0.9	0.0		-1.1	0.3		-0.2	4.0		-3.2	1.2		-2.6	0.0	
RKW4MM	29.7	1.4	1.3	12.7	-0.8	1.1	73.0	0.7	1.1	52.7	-0.8	1.4	48.7	-0.4	1.1	
		3.8	1.2		-1.1	0.6		4.5	2.6		-4.9	2.1		-1.9	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		
4F7V8B	26.5	0.2	0.9	12.1	-1.1	0.1	68.3	0.0	0.4	55.1	-0.4	0.1	49.4	-0.3	0.3
		0.6	0.8		-1.7	0.1		-0.2	1.1		-2.4	0.2		-1.2	0.5
PAPEWM	24.3	-0.6	0.6	13.0	-0.5		67.7	-0.1	1.0	47.7	-1.7	1.0	46.7	-0.8	0.4
		-1.6	0.6		-0.8	0.0		-0.8	2.5		-9.9	1.5		-3.9	0.6
B63RJ3	23.7	-0.8	1.7	13.0	-0.5	1.9	69.3	0.1	2.7	56.0	-0.3	1.7	53.7	0.7	3.0
		-2.2	1.5		-0.8	1.0		0.8	6.7		-1.5	2.6		3.1	4.2
PN7ACJ	26.3	0.2	0.6	14.3	0.4	1.1	73.0	0.7	0.4	59.3	0.3	0.8	53.3	0.6	0.8
		0.4	0.6		0.6	0.6		4.5	1.0		1.8	1.2		2.7	1.2
Grand Median		25.9			13.8			68.5			57.5			50.6	
Median Abs Dev		1.6			0.8			4.2			2.6			2.6	
Avg Within Lab SD		0.9			0.5			2.5			1.5			1.4	
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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
C4PRLY	20.0	-0.1	1.6	11.0	-0.6	1.3	55.3	-0.9	1.1	40.0	-0.7	0.9	42.3	-0.7	0.6	
		-0.7	1.0		-1.4	1.0		-7.4	3.5		-9.8	1.0		-4.7	0.6	
CE8C7V	23.6	0.5	1.3	13.3	0.4	0.6	62.0	-0.1	1.2	65.6	1.2	0.4	50.9	0.6	1.3	
		2.9	0.9		0.9	0.5		-0.7	3.9		15.8	0.4		3.9	1.3	
QB3B2R	19.7	-0.2	0.9	12.3	0.0	1.9	64.0	0.2	0.6	47.3	-0.2	0.5	47.3	0.1	1.5	
		-1.0	0.6		0.0	1.5		1.3	2.0		-2.4	0.6		0.3	1.5	
6YCNP4	21.7	0.2	0.9	12.4	0.0	0.6	47.0	-1.9	1.7	52.2	0.2	1.1	46.7	-0.1	1.2	
		1.0	0.6		0.0	0.5		-15.7	5.4		2.4	1.2		-0.3	1.2	
Q77MKK	2.5	-3.0		5.5	-2.9		70.7	1.0		39.8	-0.8		35.5	-1.8		
		-18.2	0.0		-6.9	0.0		8.0	0.0		-10.0	0.0		-11.5	0.0	
ALBLDW	21.4	0.1	0.5	12.7	0.1	0.3	63.4	0.1	0.0	62.3	1.0	1.8	51.9	0.8	0.5	
		0.7	0.3		0.3	0.2		0.7	0.1		12.5	2.0		4.9	0.5	
Grand Median		20.7			12.4			62.7			49.8			47.0		
Median Abs Dev		1.0			0.6			4.3			9.9			4.3		
Avg Within Lab SD		0.6			0.8			3.2			1.1			1.0		
Labs Included		6			6			6			6			6		
Labs Reporting		6			6			6			6			6		



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

PO4-P Olsen/Bicarb (1:20) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAFI7	12.50	-0.22	0.43	7.17	0.00	0.09	15.70	-0.27	0.09	33.80	0.15	0.17	27.47	0.02	0.38
		-0.90	0.36		0.00	0.06		-1.53	0.17		1.80	0.35		0.14	0.58
FQP3HU	11.63	-0.43	0.36	5.60	-0.49	0.32	17.47	0.04	0.17	27.33	-0.40	0.07	26.23	-0.15	0.33
		-1.77	0.31		-1.57	0.20		0.23	0.32		-4.67	0.14		-1.10	0.49
C47NEY	17.00	0.88	0.31	11.03	1.20	0.24	26.31	1.58	0.45	35.43	0.29	0.20	39.47	1.62	0.27
		3.60	0.26		3.87	0.15		9.08	0.87		3.43	0.40		12.14	0.40
7WA3K4	15.30	0.47	0.35	10.39	1.00	0.28	16.55	-0.12	0.06	38.53	0.55	0.15	28.13	0.11	0.27
		1.90	0.29		3.23	0.17		-0.69	0.11		6.53	0.31		0.80	0.42
4RZ3B8	13.47	0.02	0.77	5.73	-0.44	0.24	18.63	0.24	0.44	30.27	-0.15	0.54	28.23	0.12	0.63
		0.07	0.65		-1.43	0.15		1.40	0.85		-1.73	1.10		0.90	0.95
C4PRLY	13.67	0.07	1.81	8.00	0.26	1.60	17.00	-0.04		27.00	-0.42	0.86	29.00	0.22	0.66
		0.27	1.53		0.83	1.00		-0.23	0.00		-5.00	1.73		1.67	1.00
8MDKJZ	19.90	1.59	0.85	7.70	0.17	0.73	26.50	1.62	0.41	32.53	0.05	0.48	29.87	0.34	1.03
		6.50	0.72		0.53	0.46		9.27	0.79		0.53	0.96		2.54	1.56
477W66	13.67	0.07	1.37	7.67	0.15	0.92	33.00	2.75	0.51	47.67	1.32	0.29	26.33	-0.13	0.76
		0.27	1.15		0.50	0.58		15.77	1.00		15.67	0.58		-1.00	1.15
CE8C7V	14.87	0.36	1.42	8.65	0.46	1.16	16.17	-0.19	0.68	33.27	0.11	0.47	28.67	0.18	1.37
		1.47	1.20		1.48	0.72		-1.07	1.32		1.27	0.95		1.34	2.08
DZKJUJ	14.33	0.23	0.68	6.00	-0.36		16.67	-0.10	0.30	31.67	-0.03	0.29	25.67	-0.22	0.38
		0.93	0.58		-1.17	0.00		-0.57	0.58		-0.33	0.58		-1.66	0.58
JR9FBN	17.30	0.96	0.62	8.60	0.44	0.28	20.67	0.60	0.30	40.27	0.70	1.27	35.30	1.07	0.71
		3.90	0.52		1.43	0.17		3.43	0.58		8.27	2.57		7.97	1.08
8NA3L2	23.67	2.52	0.68	15.67	2.63	0.92	21.33	0.72	0.59	47.33	1.30	0.57	39.67	1.65	0.38
		10.27	0.58		8.50	0.58		4.10	1.15		15.33	1.15		12.34	0.58
4XQDK7	8.08	-1.30	0.03	5.23	-0.60	0.09	11.81	-0.95	0.13	18.68	-1.13	0.01	15.44	-1.59	0.06
		-5.32	0.03		-1.94	0.06		-5.42	0.25		-13.32	0.03		-11.89	0.10
32WJM7	15.37	0.48	0.25	6.77	-0.12	0.09	18.10	0.15	0.09	40.93	0.76	0.20	32.83	0.74	0.14
		1.97	0.21		-0.40	0.06		0.87	0.17		8.93	0.40		5.50	0.21
QUDDLH	14.33	0.23	0.68	6.67	-0.15	0.92	14.67	-0.45	0.30	32.33	0.03	0.29	27.00	-0.04	1.32
		0.93	0.58		-0.50	0.58		-2.57	0.58		0.33	0.58		-0.33	2.00
M8UYGL	13.13	-0.07	2.87	7.17	0.00	2.56	13.67	-0.62	0.30	31.23	-0.06	0.53	26.77	-0.08	1.85
		-0.27	2.42		0.00	1.61		-3.57	0.58		-0.77	1.08		-0.56	2.80
UB76AM	10.33	-0.75	0.68	4.33	-0.88	0.92	17.00	-0.04	0.51	26.67	-0.45	0.76	26.00	-0.18	0.66
		-3.07	0.58		-2.83	0.58		-0.23	1.00		-5.33	1.53		-1.33	1.00
BL7NF7	12.33	-0.26	0.68	5.67	-0.46	0.92	21.33	0.72	0.59	26.27	-0.48	0.51	27.57	0.03	0.25
		-1.07	0.58		-1.50	0.58		4.10	1.15		-5.73	1.02		0.24	0.38
Y3EFFF	12.97	-0.11	0.97	5.80	-0.42	0.56	15.67	-0.27	0.18	34.51	0.21	0.10	27.19	-0.02	0.10
		-0.43	0.82		-1.37	0.35		-1.56	0.36		2.51	0.20		-0.14	0.15
RKW4MM	13.33	-0.02	0.68	7.67	0.15	0.92	17.67	0.08	0.30	26.33	-0.48	0.76	28.33	0.13	0.38
		-0.07	0.58		0.50	0.58		0.43	0.58		-5.67	1.53		1.00	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
CZ7M44	10.67	-0.67	0.68	5.17	-0.62	0.09	11.00	-1.09		30.67	-0.11	0.57	24.33	-0.40	0.76
		-2.73	0.58		-2.00	0.06		-6.23	0.00		-1.33	1.15		-3.00	1.15
PAPEWM	11.00	-0.59	2.37	5.33	-0.57	0.92	19.00	0.31	2.06	26.67	-0.45	1.74	27.00	-0.04	1.98
		-2.40	2.00		-1.83	0.58		1.77	4.00		-5.33	3.51		-0.33	3.00
KMCVXR	10.80	-0.64		6.20	-0.30		14.40	-0.49		27.60	-0.37		23.20	-0.55	
		-2.60	0.00		-0.97	0.00		-2.83	0.00		-4.40	0.00		-4.13	0.00
8QG8D6	19.62	1.53	0.77	11.63	1.38	2.97	32.05	2.58	1.63	99.39	5.70	3.93	72.03	5.97	2.69
		6.22	0.65		4.47	1.86		14.81	3.17		67.39	7.92		44.70	4.07
4PWGDA	10.70	-0.66		4.60	-0.80		13.30	-0.69		29.90	-0.18		24.40	-0.39	
		-2.70	0.00		-2.57	0.00		-3.93	0.00		-2.10	0.00		-2.93	0.00
TPMZPJ	8.50	-1.20	1.09	20.47	4.12	0.90	25.83	1.50	4.47	46.20	1.20	2.31	21.20	-0.82	2.58
		-4.90	0.92		13.30	0.56		8.60	8.69		14.20	4.65		-6.13	3.91
6YCNP4	12.33	-0.26	0.68	9.00	0.57	1.60	13.00	-0.74	0.51	31.33	-0.06	0.57	25.67	-0.22	0.38
		-1.07	0.58		1.83	1.00		-4.23	1.00		-0.67	1.15		-1.66	0.58
Q77MKK	24.50	2.72		9.46	0.71		19.19	0.34		60.54	2.41		41.93	1.95	
		11.10	0.00		2.29	0.00		1.96	0.00		28.54	0.00		14.60	0.00
P43R2G	10.95	-0.60	0.45	5.00	-0.67	0.12	12.43	-0.84	0.14	31.53	-0.04	0.21	24.58	-0.37	0.07
		-2.45	0.38		-2.17	0.07		-4.81	0.27		-0.47	0.42		-2.75	0.10
ALBLDW	14.78	0.34	0.25	7.47	0.09	0.37	17.97	0.13	0.13	39.75	0.66	0.02	33.94	0.88	0.33
		1.38	0.21		0.30	0.23		0.74	0.25		7.75	0.03		6.61	0.50
WN9D4A	77.36	15.69	3.04	42.38	10.91	3.20	58.23	7.15	1.46	124.05	7.78	0.96	110.47	11.11	0.51
		63.96	2.56		35.21	2.00		41.00	2.84		92.05	1.94		83.14	0.78
Grand Median		13.4			7.17			17.2			32.0			27.3	
Median Abs Dev		1.9			1.49			2.7			4.8			1.7	
Avg Within Lab SD		0.8			0.63			1.9			2.0			1.5	
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
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
XKF48E	1.07	0.14	1.07	1.41	1.50	1.18	18.00	1.22	1.17	1.41	
		0.06		0.06		0.87		1.73		0.29	
		1.41				0.78		0.71			
6YCNP4	1.67	0.58	3.00	0.00	4.67	0.58	24.00	1.00	6.00	0.00	
Grand Median		1.37		2.03		3.08		21.0		3.58	
Median Abs Dev											
Avg Within Lab SD		0.41		0.04		0.74		1.4		0.20	
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
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
CZ7M44	18.0	0.0	10.7	1.4	49.3	1.4	54.3	1.4	39.0	1.4	
				1.2		6.7		9.8		1.7	
4PWGDA	17.3	0.0	9.4	0.0	44.0	0.0	51.0	0.0	37.5	0.0	
Grand Median	17.7		10.0		46.7		52.7		38.3		
Median Abs Dev											
Avg Within Lab SD	0.0		0.8		4.7		6.9		1.2		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
6WAFT7	62.4	-0.6	0.2	51.6	0.0	1.3	59.2	-2.1	1.1	89.0	1.1	1.5	152.6	0.0	1.8	
		-9.0	0.5		0.0	2.2		-15.8	2.4		9.7	2.9		0.0	4.8	
C47NEY	77.4	0.4	0.4	58.5	0.5	0.3	75.3	0.0	0.3	95.5	1.8	0.0	180.3	0.9	0.6	
		6.0	1.1		6.9	0.4		0.3	0.6		16.2	0.1		27.7	1.5	
QUDDLH	83.7	0.9	0.8	66.3	1.2	0.3	82.3	1.0	0.5	79.3	0.0	0.8	186.0	1.1	0.8	
		12.3	2.1		14.7	0.6		7.3	1.2		0.0	1.5		33.4	2.0	
UB76AM	50.7	-1.5	0.6	36.0	-1.2		75.0	0.0	0.5	77.3	-0.2	0.3	123.3	-0.9	0.2	
		-20.7	1.5		-15.6	0.0		0.0	1.0		-2.0	0.6		-29.3	0.6	
RKW4MM	71.3	0.0	2.0	46.0	-0.4	1.8	73.3	-0.2	1.8	76.7	-0.3	1.5	137.3	-0.5	0.9	
		0.0	5.1		-5.6	3.0		-1.7	3.8		-2.7	2.9		-15.3	2.3	
Grand Median		71.3		51.6			75.0			79.3			152.6			
Median Abs Dev		9.0		6.9			1.7			2.7			27.7			
Avg Within Lab SD		2.6		1.7			2.1			2.0			2.6			
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		

PO4-P Water Soluble (SubTestCode 138)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
SRSSRS1511	SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515				
8QG8D6	0.65	1.00 0.03	0.76	1.00 0.09	0.86	1.00 0.03	1.85	1.00 0.10	0.97	1.00 0.12	
Grand Median	0.65		0.76		0.86		1.85		0.97		
Median Abs Dev											
Avg Within Lab SD	0.03		0.09		0.03		0.10		0.12		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



ALP Program - Participant Web Summary Report - Cycle 28

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

SO4 - S (PO4 Extr.) (SubTestCode 139)	in the Phosphorus and Sulfur Property Groups														Data units: mg/kg	
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	8.17	0.17	0.38	5.17	-0.19	0.35	3.83	0.01	0.47	3.67	0.00	0.35	4.50	0.07		
		0.67	0.29		-0.64	0.29		0.03	0.29		0.00	0.29		0.19	0.00	
C47NEY	11.77	1.08	0.40	14.00	2.43	0.21	11.00	2.65	0.48	12.70	3.73	0.48	8.39	1.45	0.26	
		4.27	0.31		8.19	0.17		7.20	0.30		9.03	0.40		4.08	0.26	
7WA3K4	8.49	0.25	1.51	5.60	-0.06	0.01	3.31	-0.18	0.47	3.34	-0.13	0.05	4.31	0.00	0.10	
		1.00	1.15		-0.21	0.01		-0.49	0.29		-0.32	0.04		0.00	0.10	
VJYMAG	6.21	-0.32	1.71	7.26	0.43	2.25	3.48	-0.12	1.79	4.94	0.53	2.97	5.51	0.43	2.17	
		-1.29	1.30		1.45	1.86		-0.32	1.11		1.28	2.46		1.20	2.16	
4RZ3B8	8.00	0.13	1.32	4.67	-0.34	1.40	5.33	0.56	0.93	4.00	0.14	1.21	4.67	0.13	0.58	
		0.51	1.00		-1.14	1.15		1.53	0.58		0.33	1.00		0.36	0.58	
C4PRLY	9.00	0.38	1.32	6.00	0.06		4.33	0.20	0.93	3.67	0.00	0.70	6.33	0.72	0.58	
		1.51	1.00		0.19	0.00		0.53	0.58		0.00	0.58		2.02	0.58	
CE8C7V	11.17	0.93	1.32	9.60	1.12	0.84	3.77	-0.01	0.61	6.07	0.99	0.46	8.33	1.43	0.56	
		3.67	1.00		3.79	0.69		-0.03	0.38		2.40	0.38		4.02	0.55	
DZKJUJ	6.00	-0.38		4.67	-0.34	0.70	5.33	0.56	0.93	3.00	-0.28		4.00	-0.11		
		-1.49	0.00		-1.14	0.58		1.53	0.58		-0.67	0.00		-0.31	0.00	
QUDDLH	7.67	0.04	0.76	4.33	-0.44	0.70	3.33	-0.17	0.93	3.00	-0.28		4.00	-0.11		
		0.17	0.58		-1.48	0.58		-0.47	0.58		-0.67	0.00		-0.31	0.00	
M8UYGL	11.19	0.93	1.64	10.15	1.29	1.21	5.22	0.52	0.69	7.00	1.38	1.74	10.14	2.07	1.24	
		3.70	1.25		4.34	1.00		1.42	0.43		3.33	1.44		5.83	1.23	
KZGFYV	23.00	3.91		18.00	3.61	1.21	13.33	3.51	0.93	6.67	1.24	1.40	11.00	2.38		
		15.51	0.00		12.19	1.00		9.53	0.58		3.00	1.15		6.69	0.00	
BL7NF7	5.91	-0.40	0.06	5.91	0.03	0.16	5.41	0.59	0.54	5.60	0.80	0.72	3.36	-0.34	0.80	
		-1.58	0.04		0.10	0.13		1.61	0.33		1.93	0.59		-0.95	0.79	
4C4V8E	5.33	-0.54	0.76	4.33	-0.44	0.70	3.33	-0.17	0.93	3.00	-0.28		3.67	-0.23	0.58	
		-2.16	0.58		-1.48	0.58		-0.47	0.58		-0.67	0.00		-0.64	0.58	
RKW4MM	5.00	-0.63		5.00	-0.24		3.67	-0.05	0.93	3.33	-0.14	0.70	3.67	-0.23	0.58	
		-2.49	0.00		-0.81	0.00		-0.13	0.58		-0.33	0.58		-0.64	0.58	
CZ7M44	5.13	-0.60	0.50	5.37	-0.13	0.70	2.67	-0.42	0.52	3.60	-0.03	0.32	4.00	-0.11	0.40	
		-2.36	0.38		-0.44	0.58		-1.13	0.32		-0.07	0.26		-0.31	0.40	
PAPEWM	5.00	-0.63	1.32	9.00	0.95	2.43	7.33	1.30	2.47	7.33	1.51	0.70	9.00	1.67	3.02	
		-2.49	1.00		3.19	2.00		3.53	1.53		3.67	0.58		4.69	3.00	
4PWGDA	5.20	-0.58		6.10	0.09								4.20	-0.04		
		-2.29	0.00		0.29	0.00								-0.11	0.00	
B63RJ3	3.87	-0.91	1.48	3.63	-0.64	0.49		-0.44	0.70		-0.63	0.18	1.53	-0.99	0.21	
		-3.63	1.12		-2.18	0.40		-1.20	0.44		-1.53	0.15		-2.78	0.21	
TPMZPJ	37.23	7.50	1.39	35.68	8.85	6.67		6.96	3.73		6.76	4.09	31.99	9.83	4.45	
		29.74	1.05		29.87	5.50		18.89	2.31		16.36	3.38		27.68	4.41	
WN9D4A	7.49	0.00	0.49	5.81	0.00	0.19		-0.66	0.20		-0.07	0.14	3.36	-0.34	0.08	
		0.00	0.38		0.00	0.16		-1.80	0.13		-0.16	0.11		-0.95	0.08	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		7.49		5.81		3.80		3.67		4.31					
Median Abs Dev		2.16		1.14		1.17		0.67		0.95					
Avg Within Lab SD		0.76		0.82		0.62		0.83		0.99					
Labs Included		19		19		18		18		19					
Labs Reporting		19		19		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		

	K Ammonium Acetate (SubTestCode 140) in the Bases (1:10) Property Groups														
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
26FBY9	96.2	1.1	1.6	314.9	-0.4	0.7	32.5	0.1	0.1	163.7	-0.4	0.6	405.7	0.0	0.4
		12.2	5.7		-21.7	8.9		1.1	1.1		-15.0	4.2		-0.2	13.1
FQP3HU	90.4	0.6	0.6	333.9	-0.1	0.6	35.4	0.4	0.1	172.7	-0.1	1.2	408.7	0.1	0.1
		6.4	2.3		-2.7	7.5		4.1	1.0		-6.0	8.3		2.8	3.2
C47NEY	105.6	1.9	1.9	384.7	0.9	0.4	38.4	0.7	0.1	189.4	0.2	0.4	463.3	1.0	0.1
		21.6	6.8		48.0	5.9		7.1	1.3		10.6	2.9		57.4	4.6
7WA3K4	87.2	0.3	0.3	357.3	0.4	0.2	34.2	0.3	0.1	174.3	-0.1	0.1	356.9	-0.9	1.5
		3.2	1.2		20.7	2.2		2.8	1.3		-4.4	0.9		-49.0	50.1
VJYMAG	89.2	0.5	3.3	377.4	0.8	2.3	27.5	-0.4	0.0	225.0	1.1	1.2	429.8	0.4	0.6
		5.2	11.8		40.8	30.6		-3.9	0.8		46.3	8.4		23.9	19.5
4RZ3B8	82.7	-0.1	1.2	295.7	-0.8	0.3	44.7	1.3	0.0	150.3	-0.7	0.4	380.7	-0.5	0.1
		-1.3	4.5		-41.0	3.5		13.3	0.6		-28.4	2.5		-25.2	4.0
C4PRLY	66.0	-1.6	0.3	279.0	-1.1	0.9	25.7	-0.5	0.1	143.3	-0.8	0.2	399.0	-0.1	0.3
		-18.0	1.0		-57.6	11.8		-5.7	1.2		-35.4	1.2		-6.9	9.5
8MDKJZ	92.0	0.7	0.8	328.7	-0.2	0.5	29.8	-0.1	0.3	178.7	0.0	0.5	403.1	-0.1	0.2
		8.0	3.0		-8.0	6.5		-1.5	4.4		0.0	3.2		-2.8	7.2
477W66	113.7	2.6	0.4	379.3	0.8	0.2	51.7	1.9	0.0	238.7	1.4	0.2	486.7	1.5	0.0
		29.7	1.5		42.7	2.1		20.3	0.6		59.9	1.5		80.8	1.5
CE8C7V	78.9	-0.4	1.1	339.4	0.1	0.9	19.5	-1.1	0.3	199.9	0.5	1.1	394.3	-0.2	0.5
		-5.1	3.9		2.7	11.9		-11.8	4.9		21.1	7.8		-11.6	17.8
DZKJUJ	86.3	0.2	0.3	323.3	-0.3	0.2	35.3	0.4	0.0	163.3	-0.4	0.4	391.7	-0.3	0.1
		2.3	1.2		-13.3	2.9		4.0	0.6		-15.4	2.9		-14.2	2.9
KQWZGM	84.0	0.0	0.1	307.6	-0.6	0.1	23.5	-0.8	0.0	184.9	0.1	0.2	371.7	-0.6	0.0
		0.0	0.4		-29.0	1.9		-7.9	0.3		6.2	1.3		-34.2	1.3
JR9FBN	101.3	1.5	0.3	368.0	0.6	1.3	42.3	1.1	0.2	178.3	0.0	2.0	471.7	1.2	0.5
		17.3	1.2		31.4	18.0		11.0	4.0		-0.4	13.9		65.8	17.6
8NA3L2	117.7	2.9	0.3	517.7	3.5	2.9	31.7	0.0	0.0	316.3	3.2	1.3	581.0	3.2	0.5
		33.7	1.2		181.0	39.1		0.3	0.6		137.6	9.3		175.1	16.8
4XQDK7	68.2	-1.4	0.2	230.3	-2.1	0.2	27.5	-0.4	0.0	156.3	-0.5	0.2	363.7	-0.8	0.1
		-15.8	0.6		-106.3	3.1		-3.8	0.2		-22.4	1.2		-42.2	3.5
32WJM7	83.3	-0.1	0.4	396.0	1.2	1.2	28.3	-0.3	0.1	226.0	1.1	0.8	448.3	0.8	0.4
		-0.7	1.5		59.4	16.5		-3.0	2.1		47.3	5.6		42.4	13.7
QUDDLH	77.0	-0.6		318.7	-0.4	0.6	35.7	0.4	0.2	176.0	-0.1	0.8	387.7	-0.3	0.3
		-7.0	0.0		-18.0	8.1		4.3	2.9		-2.7	5.6		-18.2	9.0
KQRJHN	84.3	0.0	0.6	305.7	-0.6	0.3	34.3	0.3	0.1	154.7	-0.6	0.2	376.0	-0.5	0.2
		0.3	2.1		-31.0	4.0		3.0	1.2		-24.1	1.5		-29.9	5.3
M8UYGL	86.4	0.2	1.4	342.7	0.1	1.3	30.8	-0.1	0.3	208.0	0.7	1.0	405.9	0.0	0.3
		2.4	5.0		6.1	17.1		-0.5	5.2		29.3	7.2		0.0	11.3
G9MNCZ	73.1	-0.9	0.2	262.4	-1.5	0.3	28.7	-0.3	0.1	146.7	-0.8	0.2	352.3	-1.0	0.1
		-10.9	0.8		-74.2	3.8		-2.6	1.2		-32.0	1.3		-53.6	2.5



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
QB3B2R	77.7	-0.5	0.4	339.0	0.0	0.2	34.0	0.3	0.1	197.7	0.4	0.3	466.3	1.1	0.2
		-6.3	1.5		2.4	2.6		2.7	2.0		18.9	2.1		60.4	6.7
KZGFYV	108.0	2.1	0.6	385.3	1.0	0.4	39.5	0.8	0.1	245.8	1.6	0.8	514.4	2.0	0.3
		24.0	2.3		48.7	5.0		8.2	1.1		67.1	5.5		108.5	10.5
UB76AM	77.9	-0.5	0.8	288.0	-1.0	0.1	30.1	-0.1	0.1	152.7	-0.6	0.4	380.3	-0.5	0.0
		-6.1	2.8		-48.6	2.0		-1.2	2.0		-26.1	2.9		-25.6	1.5
BL7NF7	80.7	-0.3	0.2	305.7	-0.6	0.1	32.7	0.1	0.1	163.3	-0.4	0.8	393.3	-0.2	0.2
		-3.3	0.6		-31.0	1.2		1.3	2.3		-15.4	5.9		-12.6	6.1
KXVCQX	77.7	-0.5	0.6	302.3	-0.7	0.4	31.3	0.0	0.0	158.0	-0.5	0.2	415.7	0.2	0.1
		-6.3	2.1		-34.3	5.0		0.0	0.6		-20.7	1.7		9.8	2.5
EDKTTZ	78.6	-0.5	1.1	326.7	-0.2	1.6	31.5	0.0	0.1	156.6	-0.5	0.5	406.4	0.0	0.9
		-5.4	4.0		-9.9	21.7		0.1	1.4		-22.2	3.7		0.5	29.7
XX43YG	74.0	-0.9	1.9	354.7	0.4	2.8	116.3	8.1	6.3	133.3	-1.1	1.8	223.3	-3.3	5.9
		-10.0	7.0		18.0	37.9		85.0	107.2		-45.4	12.3		-182.6	200.6
V9WEKJ	84.2	0.0	0.4	305.6	-0.6	0.1	37.2	0.6	0.1	157.2	-0.5	0.1	365.4	-0.7	0.0
		0.2	1.3		-31.0	1.4		5.9	0.9		-21.6	0.8		-40.5	0.9
Y3EFFF	83.8	0.0	0.6	371.2	0.7	0.6	26.6	-0.4	0.1	201.8	0.5	0.2	460.5	1.0	0.1
		-0.2	2.3		34.5	8.1		-4.7	1.9		23.1	1.1		54.6	3.6
RKW4MM	78.7	-0.5	1.0	306.0	-0.6	0.5	31.3	0.0	0.1	149.3	-0.7	0.9	393.7	-0.2	0.1
		-5.3	3.5		-30.6	6.1		0.0	1.2		-29.4	6.7		-12.2	3.1
CZ7M44	79.0	-0.4	2.8	333.3	-0.1	2.4	32.0	0.1	0.8	200.0	0.5	2.9	393.3	-0.2	0.9
		-5.0	10.1		-3.3	32.1		0.7	14.4		21.3	20.0		-12.6	32.1
PAPEWM	75.3	-0.7	1.0	309.0	-0.5	0.1	35.3	0.4	0.0	144.3	-0.8	0.6	376.3	-0.5	0.0
		-8.7	3.5		-27.6	1.0		4.0	0.6		-34.4	4.5		-29.6	1.5
KMCVXR	79.0	-0.4		362.0	0.5		16.0	-1.5		209.0	0.7		422.0	0.3	
		-5.0	0.0		25.4	0.0		-15.3	0.0		30.3	0.0		16.1	0.0
4PWGDA	88.0	0.3		353.0	0.3		23.0	-0.8		211.0	0.8		455.0	0.9	
		4.0	0.0		16.4	0.0		-8.3	0.0		32.3	0.0		49.1	0.0
TPMZPJ	84.2	0.0	0.2	336.6	0.0	0.5	18.5	-1.2	0.2	197.7	0.4	2.6	393.2	-0.2	0.6
		0.2	0.6		0.0	7.2		-12.9	2.7		18.9	18.5		-12.7	21.0
6YCNP4	86.2	0.2	0.7	363.0	0.5	0.5	26.7	-0.4	0.0	204.3	0.6	2.4	410.3	0.1	0.5
		2.2	2.7		26.4	7.2		-4.6	0.2		25.6	16.6		4.4	15.5
NT8YFL	87.4	0.3		358.8	0.4		26.7	-0.4		212.5	0.8		418.6	0.2	
		3.4	0.0		22.2	0.0		-4.6	0.0		33.8	0.0		12.7	0.0
P43R2G	101.3	1.5	0.2	437.2	2.0	0.2	29.2	-0.2	0.2	253.6	1.8	0.5	518.1	2.0	0.1
		17.3	0.6		100.5	2.4		-2.1	2.7		74.8	3.3		112.2	1.8
ALBLDW	81.6	-0.2	0.0	378.6	0.8	0.0	22.1	-0.9	0.1	216.7	0.9	0.3	418.4	0.2	0.2
		-2.4	0.2		42.0	0.6		-9.2	1.0		38.0	2.0		12.5	6.4
WN9D4A	84.8	0.1	0.2	352.5	0.3	0.5	25.6	-0.5	0.1	205.7	0.6	0.5	420.8	0.3	0.1
		0.8	0.6		15.8	6.5		-5.8	1.3		26.9	3.8		14.9	4.8
PN7ACJ	81.2	-0.2	0.3	326.5	-0.2	0.9	31.7	0.0	0.1	171.8	-0.2	0.2	421.0	0.3	0.5
		-2.8	1.1		-10.1	12.7		0.3	1.1		-6.9	1.6		15.1	16.8



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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	84.0			336.6			31.3			178.7			405.9		
Median Abs Dev	5.2			29.0			4.0			24.1			23.9		
Avg Within Lab SD	3.6			13.4			17.0			7.0			34.2		
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		

Ca Ammonium Acetate (SubTestCode 141)			in the Bases (1:10) Property Groups												Data units: mg/kg		
SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515					
26FBY9	629.7	0.4	0.5	2,199.2	-0.2	0.9	488.0	0.5	1.3	1,725.6	-0.5	0.9	2,012.9	0.3	0.5		
		39.7	14.9		-84.0	82.4		41.2	39.5		-232.4	84.5		52.5	36.4		
FQP3HU	539.0	-0.5	0.4	2,065.7	-0.6	0.4	462.8	0.2	0.1	1,597.7	-0.8	0.8	1,747.3	-1.0	0.1		
		-51.0	9.9		-217.6	33.9		15.9	2.7		-360.3	75.4		-213.1	9.0		
C47NEY	683.6	0.9	0.7	2,634.3	1.0	0.5	490.0	0.5	0.6	2,148.0	0.4	0.3	2,307.3	1.7	0.3		
		93.6	19.5		351.1	46.7		43.2	18.6		190.0	28.6		346.9	24.8		
7WA3K4	751.6	1.6	0.2	2,626.1	1.0	0.7	523.1	0.9	1.6	1,836.7	-0.3	0.7	1,958.1	0.0	0.4		
		161.6	4.8		342.8	61.0		76.3	49.8		-121.3	64.6		-2.3	26.8		
VJYMAG	666.2	0.8	2.9	2,636.5	1.0	2.5	466.6	0.2	0.7	2,550.3	1.3	1.4	2,207.5	1.2	1.4		
		76.2	81.6		353.3	224.9		19.8	21.0		592.3	134.1		247.1	104.8		
4RZ3B8	569.0	-0.2	0.5	2,356.7	0.2	0.3	531.0	1.0	0.7	1,793.7	-0.4	0.6	2,051.0	0.4	1.1		
		-21.0	14.1		73.4	23.6		84.2	23.0		-164.3	56.9		90.6	78.3		
C4PRLY	482.3	-1.1	1.2	1,866.3	-1.2	1.0	412.3	-0.4	0.5	1,502.7	-1.0	0.2	1,781.0	-0.9	0.7		
		-107.7	33.7		-416.9	94.6		-34.5	14.6		-455.3	22.2		-179.4	51.0		
8MDKJZ	513.7	-0.8	0.5	2,154.3	-0.4	0.8	361.3	-1.1	0.1	1,700.3	-0.6	0.1	1,842.3	-0.6	0.1		
		-76.3	12.7		-128.9	73.9		-85.5	3.2		-257.7	13.4		-118.1	11.0		
477W66	558.3	-0.3	0.1	2,227.0	-0.2	1.1	365.7	-1.0	0.3	1,996.7	0.1	0.9	2,009.3	0.2	0.7		
		-31.7	3.1		-56.2	95.6		-81.2	8.1		38.7	79.8		48.9	48.4		
CE8C7V	575.2	-0.1	0.6	2,283.2	0.0	1.3	416.2	-0.4	0.6	2,131.3	0.4	1.4	1,880.8	-0.4	1.5		
		-14.8	17.2		0.0	116.3		-30.7	19.3		173.3	125.9		-79.6	110.3		
DZKJUJ	701.7	1.1	0.3	2,366.7	0.2	0.3	509.0	0.8	0.3	1,913.3	-0.1	0.1	1,945.0	-0.1	0.2		
		111.7	7.6		83.4	28.9		62.2	8.5		-44.7	5.8		-15.4	18.0		
KQWZGM	738.5	1.5	0.3	2,478.8	0.6	0.1	434.4	-0.2	0.0	2,303.4	0.8	0.2	2,074.9	0.6	0.1		
		148.5	8.2		195.5	13.0		-12.4	0.6		345.4	18.0		114.5	4.6		
8NA3L2	827.0	2.4	0.5	3,543.3	3.7	2.6	552.3	1.3	0.2	3,423.3	3.2	0.8	2,673.3	3.5	1.1		
		237.0	14.2		1,260.1	231.8		105.5	7.6		1,465.3	72.3		712.9	81.4		
4XQDK7	463.7	-1.3	0.1	1,506.7	-2.3	0.3	437.7	-0.1	0.3	1,653.3	-0.7	0.1	1,706.7	-1.2	0.3		
		-126.3	3.8		-776.6	25.2		-9.2	8.7		-304.7	11.5		-253.7	25.2		
32WJM7	490.7	-1.0	0.8	2,239.0	-0.1	0.6	355.7	-1.1	0.1	2,017.3	0.1	0.8	1,814.3	-0.7	0.7		
		-99.3	21.4		-44.2	52.4		-91.2	3.8		59.3	76.9		-146.1	50.5		
QUDDLH	493.3	-1.0	0.5	2,246.7	-0.1	0.7	394.3	-0.7	0.2	1,794.3	-0.4	0.1	1,846.7	-0.6	0.4		
		-96.7	15.3		-36.6	66.6		-52.5	7.5		-163.7	7.5		-113.7	28.9		
KQRJHN	574.0	-0.2	0.3	2,136.3	-0.4	0.4	537.7	1.1	0.5	1,781.7	-0.4	0.3	1,727.7	-1.1	0.5		
		-16.0	8.2		-146.9	36.2		90.8	15.2		-176.3	24.3		-232.7	38.1		
M8UYGL	627.4	0.4	0.8	2,303.3	0.1	2.8	478.5	0.4	0.6	2,183.3	0.5	1.2	1,982.0	0.1	1.0		
		37.4	22.3		20.1	250.8		31.7	17.9		225.3	109.9		21.6	74.1		
G9MNCZ	618.7	0.3	0.2	2,192.3	-0.3	0.3	476.2	0.4	1.1	1,876.0	-0.2	0.1	1,959.7	0.0	0.4		
		28.7	6.7		-90.9	24.2		29.4	35.3		-82.0	7.0		-0.7	33.2		
QB3B2R	550.7	-0.4	0.1	2,274.7	0.0	0.1	494.0	0.6	0.3	2,184.0	0.5	0.1	2,232.7	1.3	0.2		
		-39.3	2.1		-8.6	6.0		47.2	10.1		226.0	8.0		272.3	13.1		



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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
KZGFYV	754.7	1.7	0.5	2,793.3	1.5	0.5	631.7	2.3	0.2	2,584.7	1.4	0.3	2,526.0	2.7	0.5
		164.7	13.6		510.1	42.8		184.8	6.7		626.7	27.4		565.6	35.4
UB76AM	600.0	0.1	0.3	2,102.7	-0.5	0.8	471.0	0.3	0.6	1,756.3	-0.4	0.3	1,937.0	-0.1	0.6
		10.0	8.0		-180.6	74.0		24.2	17.7		-201.7	31.0		-23.4	45.4
BL7NF7	619.3	0.3	0.6	2,159.2	-0.4	0.6	544.0	1.2	1.2	1,645.9	-0.7	0.5	1,960.4	0.0	0.6
		29.3	16.8		-124.0	53.2		97.2	39.0		-312.1	50.4		0.0	43.3
KXVCQX	536.7	-0.5	0.0	2,069.3	-0.6	0.2	455.7	0.1	0.4	1,673.7	-0.6	0.3	1,832.3	-0.6	0.1
		-53.3	1.2		-213.9	14.5		8.8	11.7		-284.3	26.2		-128.1	9.1
EDKTTZ	610.1	0.2	1.2	2,226.5	-0.2	1.2	520.5	0.9	0.5	1,767.8	-0.4	0.2	2,017.4	0.3	1.2
		20.1	33.5		-56.7	107.8		73.6	16.0		-190.2	17.6		57.0	85.6
XX43YG	510.3	-0.8	3.9	2,248.3	-0.1	0.8	320.7	-1.6	4.8	1,958.0	0.0	0.8	1,817.0	-0.7	1.4
		-79.7	109.9		-34.9	71.2		-126.2	150.6		0.0	73.7		-143.4	103.5
Y3EFFF	626.1	0.4	1.0	2,634.7	1.0	0.5	411.7	-0.4	1.6	2,389.3	0.9	0.1	1,937.5	-0.1	3.2
		36.1	27.8		351.4	44.2		-35.1	51.5		431.3	13.8		-22.9	235.6
RKW4MM	524.7	-0.7	0.3	2,061.3	-0.6	0.0	444.0	0.0	0.3	1,663.3	-0.6	0.4	1,844.3	-0.6	0.6
		-65.3	8.1		-221.9	3.8		-2.8	8.2		-294.7	33.0		-116.1	43.6
CZ7M44	583.3	-0.1	1.7	2,300.0	0.0	1.9	396.7	-0.6	0.5	2,166.7	0.5	2.2	1,866.7	-0.5	2.1
		-6.7	46.2		16.8	173.2		-50.2	15.3		208.7	208.2		-93.7	152.8
PAPEWM	586.0	0.0	0.8	2,296.0	0.0	0.0	542.3	1.2	0.3	1,643.0	-0.7	0.5	1,982.3	0.1	0.1
		-4.0	23.0		12.8	4.0		95.5	10.5		-315.0	45.0		21.9	7.5
4PWGDA	590.0	0.0	0.0	2,340.0	0.2		410.0	-0.5		2,200.0	0.5		2,080.0	0.6	
		0.0	0.0		56.8	0.0		-36.8	0.0		242.0	0.0		119.6	0.0
B63RJ3	527.7	-0.6	0.7	2,209.3	-0.2	1.4	435.0	-0.1	1.1	1,824.7	-0.3	1.1	2,064.0	0.5	1.4
		-62.3	20.3		-73.9	130.6		-11.8	34.4		-133.3	99.1		103.6	105.7
TPMZPJ	736.2	1.5	0.4	3,402.0	3.2	1.0	481.6	0.4	0.2	2,906.3	2.1	4.5	2,014.0	0.3	0.6
		146.2	11.4		1,118.8	94.7		34.8	7.1		948.3	413.7		53.6	41.2
6YCNP4	586.7	0.0	0.4	2,386.7	0.3	0.7	413.3	-0.4	0.7	2,060.0	0.2	0.6	1,840.0	-0.6	0.3
		-3.3	11.5		103.4	61.1		-33.5	23.1		102.0	52.9		-120.4	20.0
NT8YFL	616.3	0.3		2,536.5	0.7		414.8	-0.4		2,397.6	1.0		2,047.1	0.4	
		26.3	0.0		253.2	0.0		-32.0	0.0		439.6	0.0		86.7	0.0
P43R2G	416.2	-1.8	0.1	2,605.5	0.9	0.3	289.1	-2.0	0.4	2,365.4	0.9	0.4	2,015.9	0.3	0.1
		-173.8	3.4		322.3	27.7		-157.7	12.1		407.4	35.5		55.5	6.7
ALBLDW	638.8	0.5	0.9	2,717.7	1.3	0.4	417.5	-0.4	0.4	2,573.6	1.4	0.9	2,183.2	1.1	2.6
		48.8	24.7		434.5	33.6		-29.3	11.8		615.6	81.9		222.8	191.4
WN9D4A	609.0	0.2	0.5	2,487.3	0.6	0.3	403.1	-0.5	0.5	2,289.3	0.7	0.2	2,096.0	0.7	0.8
		19.0	15.0		204.1	30.9		-43.7	15.3		331.3	18.7		135.6	55.8
PN7ACJ	624.1	0.3	1.0	2,204.3	-0.2	0.2	446.8	0.0	0.6	1,761.9	-0.4	0.2	1,858.8	-0.5	0.6
		34.1	27.8		-78.9	16.6		0.0	17.4		-196.1	20.2		-101.7	44.8



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	590.0			2,283.2			446.8			1,958.0			1,960.4		
Median Abs Dev	48.8			128.9			41.2			232.4			113.7		
Avg Within Lab SD	27.9			90.8			31.5			92.8			74.3		
Labs Included	39			39			39			39			39		
Labs Reporting	39			39			39			39			39		



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515					
26FBY9	104.3	0.9	1.2	373.8	0.1	1.0	52.3	0.3	0.3	543.3	-0.1	0.3	746.2	0.4	0.7			
		12.5	5.6		8.3	14.0		4.1	1.2		-8.3	6.3		52.2	19.6			
FQP3HU	81.3	-0.8	0.3	362.7	0.0	0.7	41.4	-0.6	0.5	515.6	-0.3	1.2	698.9	0.0	0.1			
		-10.4	1.4		-2.9	10.1		-6.9	2.5		-36.1	21.8		4.9	3.5			
C47NEY	112.4	1.5	0.7	435.6	0.9	1.4	56.2	0.7	0.6	612.6	0.5	0.8	845.2	1.2	0.6			
		20.6	3.4		70.0	19.0		7.9	2.9		61.0	13.8		151.3	17.1			
7WA3K4	97.0	0.4	0.2	389.3	0.3	0.2	49.1	0.1	0.2	491.3	-0.5	0.2	657.1	-0.3	0.2			
		5.2	1.0		23.7	2.8		0.9	1.1		-60.3	4.0		-36.8	5.2			
VJYMAG	98.7	0.5	2.5	400.3	0.5	2.3	43.6	-0.4	0.3	705.9	1.2	1.7	755.1	0.5	1.1			
		6.9	11.7		34.7	32.6		-4.7	1.4		154.3	31.1		61.2	31.8			
4RZ3B8	88.7	-0.2	0.5	336.0	-0.4	0.1	63.3	1.3	0.6	441.0	-0.9	0.8	665.0	-0.2	0.9			
		-3.1	2.5		-29.6	2.0		15.1	3.1		-110.7	14.2		-28.9	24.6			
C4PRLY	76.7	-1.1	0.3	318.0	-0.6	0.8	45.0	-0.3	0.4	450.3	-0.8	0.4	694.3	0.0	0.3			
		-15.1	1.5		-47.6	10.8		-3.3	2.0		-101.3	7.4		0.4	7.6			
8MDKJZ	72.0	-1.4	0.2	316.0	-0.7	0.4	39.0	-0.8	0.4	438.7	-0.9	0.8	601.3	-0.8	0.2			
		-19.8	1.0		-49.6	5.0		-9.3	1.7		-113.0	14.6		-92.6	6.5			
477W66	93.2	0.1	0.8	368.2	0.0	1.3	36.4	-1.0	0.0	592.2	0.3	0.3	700.1	0.1	0.2			
		1.5	3.6		2.7	18.7		-11.9	0.2		40.6	4.9		6.2	6.5			
CE8C7V	91.0	-0.1	0.8	360.8	-0.1	1.6	45.8	-0.2	0.5	586.6	0.3	2.2	656.3	-0.3	1.6			
		-0.8	3.9		-4.8	22.9		-2.5	2.3		34.9	39.0		-37.6	44.0			
DZKJUJ	115.3	1.7	0.1	396.7	0.4	0.2	55.0	0.6	1.0	556.7	0.0	0.3	715.0	0.2	0.5			
		23.6	0.6		31.1	2.9		6.7	5.0		5.0	5.8		21.1	13.2			
KQWZGM	99.9	0.6	0.4	373.9	0.1	0.2	40.0	-0.7	0.2	624.6	0.6	0.1	697.4	0.0	0.1			
		8.1	1.9		8.4	3.3		-8.2	1.1		73.0	2.2		3.5	1.8			
8NA3L2	127.7	2.6	0.3	586.3	3.0	2.7	53.7	0.5	0.2	1,001.0	3.6	0.9	1,004.7	2.6	1.3			
		35.9	1.5		220.8	37.2		5.4	1.2		449.4	15.6		310.7	35.6			
4XQDK7	72.6	-1.4	0.1	244.7	-1.6	0.3	44.1	-0.3	0.1	479.3	-0.6	0.2	617.3	-0.6	0.2			
		-19.1	0.4		-120.9	3.5		-4.2	0.5		-72.3	3.8		-76.6	7.0			
32WJM7	78.3	-1.0	1.4	353.3	-0.2	0.8	39.0	-0.8	0.2	564.0	0.1	1.0	648.3	-0.4	0.2			
		-13.4	6.7		-12.2	11.6		-9.3	1.0		12.4	18.0		-45.6	4.9			
QUDDLH	71.7	-1.5	0.3	332.3	-0.4	0.4	38.3	-0.8	0.5	493.0	-0.5	0.1	632.7	-0.5	0.4			
		-20.1	1.5		-33.2	5.0		-9.9	2.5		-58.7	2.6		-61.3	12.0			
KQRJHN	91.3	0.0	0.2	340.0	-0.3	0.2	55.7	0.6	0.5	485.7	-0.5	0.5	611.7	-0.7	0.3			
		-0.4	1.2		-25.6	3.5		7.4	2.3		-66.0	9.1		-82.3	8.0			
M8UYGL	101.0	0.7	1.1	366.2	0.0	1.1	56.2	0.7	0.3	606.8	0.4	0.7	680.5	-0.1	0.4			
		9.2	5.4		0.7	15.9		7.9	1.4		55.1	13.3		-13.4	11.5			
G9MNCZ	88.2	-0.3	0.2	312.6	-0.7	0.2	48.1	0.0	0.7	502.6	-0.4	0.5	633.8	-0.5	0.1			
		-3.5	0.9		-52.9	2.6		-0.1	3.3		-49.1	8.8		-60.1	3.7			
QB3B2R	81.3	-0.8	0.3	347.0	-0.3	0.3	50.0	0.1	0.6	573.3	0.2	0.3	725.3	0.3	0.2			
		-10.4	1.5		-18.6	4.6		1.7	2.6		21.7	6.1		31.4	6.5			



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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		
KZGFYV	122.3	2.2	0.3	451.7	1.2	0.5	74.1	2.2	0.2	757.3	1.7	0.5	924.0	1.9	0.5
		30.6	1.5		86.1	6.5		25.8	0.8		205.7	9.7		230.1	14.5
UB76AM	96.6	0.4	0.2	342.3	-0.3	0.2	57.5	0.8	0.1	499.3	-0.4	0.8	702.3	0.1	0.2
		4.8	1.0		-23.2	2.5		9.2	0.4		-52.3	15.3		8.4	4.7
BL7NF7	88.7	-0.2	1.3	341.9	-0.3	0.8	59.5	0.9	0.5	445.7	-0.9	0.7	649.1	-0.4	0.7
		-3.1	6.0		-23.6	11.3		11.2	2.3		-105.9	12.8		-44.8	19.5
KXVCQX	86.0	-0.4	0.3	323.3	-0.6	0.4	48.7	0.0	0.2	466.0	-0.7	0.3	655.7	-0.3	0.1
		-5.7	1.3		-42.2	5.1		0.4	1.1		-85.7	5.0		-38.3	3.1
EDKTTZ	97.2	0.4	0.6	394.7	0.4	1.6	60.6	1.0	0.1	546.6	0.0	0.5	760.5	0.5	1.7
		5.4	3.0		29.1	22.3		12.3	0.4		-5.0	8.3		66.6	48.1
XX43YG	99.0	0.5	3.2	393.7	0.4	0.6	65.7	1.5	4.2	632.7	0.7	2.0	692.0	0.0	4.0
		7.2	14.9		28.1	9.0		17.4	20.0		81.0	35.9		-1.9	113.2
RKW4MM	92.0	0.0	2.0	358.3	-0.1	0.8	51.0	0.2	0.9	491.7	-0.5	0.9	692.3	0.0	0.7
		0.2	9.5		-7.2	10.7		2.7	4.4		-60.0	16.9		-1.6	19.2
CZ7M44	83.7	-0.6	0.9	350.0	-0.2	1.2	38.0	-0.9	0.6	590.0	0.3	2.0	643.3	-0.4	0.9
		-8.1	4.0		-15.6	17.3		-10.3	2.6		38.4	36.1		-50.6	25.2
PAPEWM	91.7	0.0	1.0	341.7	-0.3	0.5	68.0	1.7	0.6	427.0	-1.0	1.0	621.7	-0.6	0.2
		-0.1	4.5		-23.9	6.5		19.7	3.0		-124.7	19.0		-72.3	6.5
4PWGDA	89.0	-0.2		383.0	0.2		36.0	-1.0		662.0	0.9		767.0	0.6	
		-2.8	0.0		17.4	0.0		-12.3	0.0		110.4	0.0		73.1	0.0
B63RJ3	87.0	-0.3	1.5	465.0	1.3	2.3	42.7	-0.5	0.7	646.0	0.8	2.5	773.3	0.7	0.5
		-4.8	7.2		99.4	32.0		-5.6	3.2		94.4	45.7		79.4	15.0
TPMZPJ	95.0	0.2	0.3	342.5	-0.3	0.5	40.4	-0.7	3.6	473.8	-0.6	1.9	494.9	-1.6	0.1
		3.2	1.4		-23.1	7.0		-7.9	17.4		-77.9	34.8		-199.1	3.5
6YCNP4	96.8	0.4	0.0	395.0	0.4	0.5	48.4	0.0	0.0	617.0	0.5	0.7	677.7	-0.1	0.4
		5.0	0.0		29.4	6.9		0.1	0.0		65.4	12.0		-16.3	11.5
NT8YFL	100.9	0.7		421.7	0.8		42.6	-0.5		728.6	1.4		787.7	0.8	
		9.1	0.0		56.1	0.0		-5.7	0.0		177.0	0.0		93.8	0.0
P43R2G	85.7	-0.4	0.1	386.2	0.3	0.1	35.8	-1.0	0.5	651.6	0.8	0.3	731.2	0.3	0.1
		-6.1	0.3		20.6	1.6		-12.5	2.2		100.0	5.8		37.3	1.7
ALBLDW	89.6	-0.2	1.8	879.2	6.9	1.2	28.0	-1.7	0.5	479.6	-0.6	1.1	1,561.6	7.1	2.8
		-2.2	8.7		513.6	16.8		-20.2	2.4		-72.1	20.7		867.7	80.5
WN9D4A	103.8	0.9	0.4	429.3	0.9	0.3	42.8	-0.5	0.4	667.2	0.9	0.4	749.8	0.5	0.5
		12.0	2.1		63.7	3.9		-5.4	2.0		115.5	6.9		55.8	13.4
PN7ACJ	91.9	0.0	0.2	364.9	0.0	1.0	48.4	0.0	0.2	516.9	-0.3	0.2	693.5	0.0	0.6
		0.1	0.9		-0.7	13.3		0.1	0.9		-34.7	4.4		-0.4	17.6
Grand Median		91.8		365.6			48.3			551.7			693.9		
Median Abs Dev		6.5		26.8			7.6			69.0			48.1		
Avg Within Lab SD		4.7		14.0			4.8			18.1			28.3		
Labs Included		38		38			38			38			38		
Labs Reporting		38		38			38			38			38		



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

Na Ammonium Acetate (SubTestCode 143)	in the Bases (1:10) Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
26FBY9	17.9	0.1	0.3	38.5	-0.3	0.2	10.5	0.0	0.4	8.6	-0.1	0.3	11.8	-0.1	0.1	
		1.0	0.9		-3.1	1.1		-0.2	1.0		-1.1	0.9		-1.3	0.4	
FQP3HU	28.3	1.4	0.9	50.6	0.7	0.9	19.7	1.3	0.9	18.6	0.8	0.4	26.5	1.5	1.1	
		11.3	3.0		8.9	4.9		9.0	2.5		8.9	1.3		13.4	3.1	
C47NEY	29.2	1.5	0.6	56.6	1.2	1.2	22.9	1.7	0.8	25.5	1.4	1.0	31.6	2.0	0.9	
		12.3	2.1		14.9	6.4		12.2	2.0		15.8	3.2		18.5	2.5	
7WA3K4	22.5	0.7	0.2	46.9	0.4	0.1	7.9	-0.4	0.1	9.6	0.0	0.3	11.6	-0.2	0.4	
		5.5	0.6		5.3	0.4		-2.8	0.4		-0.1	0.9		-1.5	1.0	
VJYMAG	12.6	-0.5	0.6	44.2	0.2	0.7	6.6	-0.6	0.6	7.4	-0.2	0.4	12.2	-0.1	1.2	
		-4.3	2.2		2.6	3.9		-4.1	1.5		-2.3	1.2		-0.9	3.3	
4RZ3B8	13.0	-0.5	0.5	34.7	-0.6	0.2	8.7	-0.3	0.4	6.3	-0.3	0.2	9.7	-0.4	0.2	
		-3.9	1.7		-7.0	1.2		-2.0	1.2		-3.4	0.6		-3.4	0.6	
C4PRLY	10.7	-0.8	0.4	32.7	-0.7	0.3	5.7	-0.7	0.2	6.0	-0.3	0.3	9.7	-0.4	0.5	
		-6.2	1.5		-9.0	1.5		-5.0	0.6		-3.7	1.0		-3.4	1.5	
8MDKJZ	14.0	-0.4	0.3	27.0	-1.2	0.4	10.7	0.0	0.6	9.2	0.0	0.2	13.4	0.0	0.3	
		-2.9	1.0		-14.6	2.0		0.0	1.5		-0.5	0.8		0.3	0.8	
477W66	22.4	0.7	0.4	49.8	0.7	0.7	10.2	-0.1	0.6	16.0	0.5	0.1	19.2	0.7	0.5	
		5.5	1.4		8.2	3.5		-0.5	1.7		6.3	0.4		6.1	1.3	
CE8C7V	17.2	0.0	0.3	41.7	0.0	0.3	11.3	0.1	0.8	9.8	0.0	0.6	13.6	0.1	0.5	
		0.3	0.9		0.1	1.4		0.6	2.2		0.1	1.9		0.6	1.4	
DZKJUJ	25.3	1.0	0.2	48.7	0.6	0.2	16.0	0.8	0.6	15.0	0.5		19.0	0.6		
		8.4	0.6		7.0	1.2		5.3	1.7		5.3	0.0		5.9	0.0	
8NA3L2	20.0	0.4	2.6	94.5	4.3	0.7	13.0	0.3	0.6	65.3	4.8	1.3	44.3	3.4	3.1	
		3.1	8.9		52.9	3.5		2.3	1.7		55.6	4.0		31.3	8.6	
4XQDK7	10.0	-0.9	0.0	26.0	-1.3	0.1	5.4	-0.7	0.0	5.5	-0.4	0.0	7.0	-0.7	0.1	
		-6.9	0.1		-15.7	0.4		-5.2	0.1		-4.2	0.1		-6.0	0.2	
32WJM7	13.3	-0.4	0.3	41.7	0.0	0.6	6.7	-0.6	0.4	8.3	-0.1	0.2	11.3	-0.2	0.5	
		-3.6	1.2		0.0	3.2		-4.0	1.2		-1.4	0.6		-1.7	1.5	
QUDDLH	12.7	-0.5	0.2	38.7	-0.2	0.3	10.7	0.0	0.2	7.3	-0.2	0.4	9.0	-0.4	0.6	
		-4.2	0.6		-3.0	1.5		0.0	0.6		-2.4	1.2		-4.1	1.7	
M8UYGL	34.0	2.1	2.1	55.5	1.1	0.4	32.6	3.1	0.4	73.5	5.5	4.8	42.0	3.1	0.8	
		17.1	7.2		13.9	1.9		21.9	1.1		63.8	15.2		28.9	2.2	
QB3B2R	17.0	0.0	0.3	42.3	0.1	0.1	11.7	0.1	0.2	12.7	0.3	0.4	16.3	0.4	0.5	
		0.1	1.0		0.7	0.6		1.0	0.6		3.0	1.2		3.3	1.5	
UB76AM	15.7	-0.1	0.2	35.7	-0.5	0.0	11.5	0.1	0.3	8.4	-0.1	0.1	12.7	0.0	0.2	
		-1.2	0.7		-6.0	0.3		0.8	0.7		-1.3	0.4		-0.3	0.5	
BL7NF7	20.5	0.4	0.3	39.1	-0.2	0.1	15.0	0.6	0.2	11.6	0.2	0.2	15.0	0.2	0.4	
		3.6	1.1		-2.5	0.3		4.3	0.5		1.9	0.6		2.0	1.2	
EDKTTZ	19.2	0.3	0.8	40.3	-0.1	1.0	17.8	1.0	1.0	11.6	0.2	0.1	16.5	0.4	0.5	
		2.3	2.7		-1.3	5.1		7.1	2.6		1.9	0.2		3.4	1.4	



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
XX43YG	47.7	3.8	3.7	81.7	3.2	4.5	31.3	2.9	4.5	31.3	1.9	0.5	43.0	3.3	2.0
		30.8	12.9		40.0	23.7		20.7	12.1		21.6	1.5		29.9	5.6
RKW4MM	13.3	-0.4	0.4	38.7	-0.2	0.7	11.0	0.0	0.6	9.0	-0.1	0.3	12.3	-0.1	0.2
		-3.6	1.5		-3.0	3.8		0.3	1.7		-0.7	1.0		-0.7	0.6
CZ7M44	17.0	0.0	0.8	42.3	0.1	1.2	9.3	-0.2	1.2	13.0	0.3	0.8	12.3	-0.1	0.9
		0.1	2.6		0.7	6.5		-1.4	3.2		3.3	2.6		-0.7	2.5
TPMZPJ	24.2	0.9	0.4	55.8	1.1	0.8	13.5	0.4	0.6	9.0	-0.1	1.1	17.3	0.5	2.1
		7.3	1.5		14.2	4.0		2.8	1.5		-0.8	3.5		4.3	6.0
6YCNP4	16.1	-0.1	0.0	43.7	0.2	0.4	10.0	-0.1	0.5	16.1	0.6	0.7	14.6	0.2	1.9
		-0.8	0.0		2.1	2.3		-0.7	1.3		6.4	2.3		1.5	5.3
NT8YFL	14.2	-0.3		41.5	0.0		7.2	-0.5		10.1	0.0		11.8	-0.1	
		-2.7	0.0		-0.1	0.0		-3.5	0.0		0.3	0.0		-1.3	0.0
P43R2G	16.8	0.0	0.6	41.6	0.0	0.3	20.8	1.4	1.2	3.1	-0.6	0.4	8.3	-0.5	0.7
		-0.1	2.2		0.0	1.5		10.1	3.3		-6.6	1.3		-4.8	2.1
ALBLDW	11.3	-0.7	0.2	39.1	-0.2	0.9	5.3	-0.8	0.1	13.7	0.3	0.1	13.6	0.1	0.3
		-5.7	0.7		-2.5	5.0		-5.3	0.2		4.0	0.3		0.6	0.9
WN9D4A	11.0	-0.7	0.0	36.9	-0.4	0.1	3.9	-1.0	0.2	5.2	-0.4	0.1	7.9	-0.6	0.2
		-5.9	0.1		-4.7	0.5		-6.8	0.5		-4.5	0.2		-5.1	0.5
PN7ACJ	12.9	-0.5	0.1	34.5	-0.6	0.5	7.3	-0.5	0.3	6.6	-0.3	0.4	12.1	-0.1	0.6
		-4.0	0.4		-7.2	2.7		-3.3	0.7		-3.1	1.2		-1.0	1.7
Grand Median		16.9		41.6			10.7			9.72			13.1		
Median Abs Dev		4.0		5.0			3.4			3.20			3.3		
Avg Within Lab SD		3.4		5.3			2.7			3.17			2.8		
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		

Bray Extractable K (SubTestCode 144)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515						
MGZK6N	69.2	0.1 0.2	232.5	0.3 1.2	35.1	0.4 0.8	128.1	0.6 2.6	280.2	0.1 0.6	
KZGFYV	83.0	0.0 1.7	224.7	0.5 2.5	36.3	0.8 1.5	127.0	0.2 1.0	260.7	0.2 1.5	
B63RJ3	75.0	1.7 6.6	250.3	1.6 7.6	29.3	1.5 3.1	131.7	1.6 7.1	289.7	1.7 15.5	
Grand Median	75.0		232.5		35.1		128.1		280.2		
Median Abs Dev											
Avg Within Lab SD	3.8		4.7		2.0		4.4		9.0		
Labs Included	3		3		3		3		3		
Labs Reporting	3		3		3		3		3		



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

K- Bicarb. (SubTestCode 145)	in the Bases (1:10) Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
6WAF17	70.7	-0.1	0.3	230.7	0.4	0.1	28.7	0.0	0.4	161.7	0.8	0.1	267.7	-0.1	0.1	
		-0.6	1.5		2.7	1.2		0.2	1.5		12.5	1.2		-1.5	1.5	
FQP3HU	70.0	-0.3	0.2	225.3	-0.4	0.5	28.3	0.0	0.4	133.0	-1.0	0.2	270.7	0.1	0.4	
		-1.3	1.0		-2.7	4.7		-0.2	1.5		-16.2	2.0		1.5	4.6	
CE8C7V	71.9	0.1	1.9	232.6	0.7	1.3	27.2	-0.2	1.2	141.8	-0.5	1.9	240.6	-2.3	1.8	
		0.6	8.8		4.6	12.6		-1.3	4.4		-7.5	18.5		-28.6	22.1	
6YCNP4	82.3	2.2	0.3	220.7	-1.1	1.5	45.3	2.5	1.5	156.7	0.5	0.6	271.7	0.2	0.8	
		11.1	1.5		-7.3	14.5		16.8	5.9		7.5	6.0		2.5	9.3	
Grand Median		71.3		228.0			28.5			149.2			269.2			
Median Abs Dev		0.9		3.6			0.7			10.0			2.0			
Avg Within Lab SD		4.6		9.9			3.8			9.8			12.2			
Labs Included		4		4			4			4			4			
Labs Reporting		4		4			4			4			4			



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

K Modified Morgan (SubTestCode 146)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
XKF48E	75.2	1.0 2.3	321.5	1.0 2.6	21.5	1.0 0.5	190.5	1.0 3.5	374.2	1.0 5.1	
Grand Median	75.2		321.5		21.5		190.5		374.2		
Median Abs Dev											
Avg Within Lab SD	2.3		2.6		0.5		3.5		5.1		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Ca Modified Morgan (SubTestCode 147)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
XKF48E	511.7	1.0 21.8	2,344.7	1.0 23.3	332.3	1.0 12.8	2,270.8	1.0 32.1	1,871.5	1.0 29.0	
Grand Median	511.7		2,344.7		332.3		2,270.8		1,871.5		
Median Abs Dev											
Avg Within Lab SD	21.8		23.3		12.8		32.1		29.0		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Aluminum KCL Extr. (SubTestCode 148)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
6WAF7	3.63	0.20	0.50	0.06	1.70	0.00	0.53	0.63	0.87	1.13	
		0.06		0.00		0.00		0.06		0.15	
C47NEY	7.33	1.69	1.86	1.00	15.91	1.41	1.41	1.27	3.43	1.29	
		0.48		0.15		0.64		0.12		0.17	
3D69EG	3.49	0.33							0.79	0.23	
		0.09								0.03	
Grand Median	3.63		1.18		8.81		0.97		0.87		
Median Abs Dev											
Avg Within Lab SD	0.28		0.15		0.45		0.09		0.13		
Labs Included	3		2		2		2		3		
Labs Reporting	3		2		2		2		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		

Mehlich-1, P (SubTestCode 149)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
KQWZGM	33.4	-1.2	0.3	39.1	-1.4	0.2	24.1	-0.9	0.1	47.9	0.5	0.1	92.2	-0.6	0.3
		-4.9	0.2		-10.1	0.2		-3.5	0.2		1.2	0.3		-7.6	0.6
3D69EG	38.1	0.0	1.2	48.2	-0.1	1.2	26.6	-0.3	0.3	45.2	-0.6	0.8	95.7	-0.3	1.0
		-0.2	0.8		-1.1	1.3		-1.0	0.6		-1.5	1.6		-4.1	1.9
4C4V8E	44.3	1.4	0.8	56.3	1.0	1.5	33.0	1.3	0.8	49.3	1.1	0.3	116.7	1.4	0.8
		6.0	0.6		7.1	1.5		5.4	1.7		2.6	0.6		16.9	1.5
BZCGA4	38.5	0.0	1.4	50.3	0.1	0.5	28.7	0.3	1.8	45.5	-0.5	1.8	103.8	0.3	1.5
		0.2	1.0		1.1	0.6		1.0	4.1		-1.2	3.6		4.1	2.8
Grand Median		38.3		49.3			27.6			46.7			99.8		
Median Abs Dev		2.5		4.1			2.3			1.3			5.8		
Avg Within Lab SD		0.7		1.1			2.2			2.0			1.9		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

Mehlich-1, K (SubTestCode 150)	in the Mehlich-1 Multi Element (scoop) Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
KQWZGM	63.1	-0.4	0.0	135.1	-1.6	0.1	25.5	-1.5	0.4	98.0	0.2	0.3	180.4	-0.8	0.1	
		-0.7	0.0		-14.8	0.7		-1.5	0.5		0.6	0.8		-4.0	0.5	
3D69EG	65.9	1.2	0.9	150.8	0.1	0.4	27.3	0.3	0.9	96.9	-0.2	1.0	185.1	0.2	1.1	
		2.1	1.7		0.9	2.0		0.3	1.1		-0.6	2.7		0.7	5.0	
4C4V8E	62.7	-0.7	1.6	149.0	-0.1	0.7	27.7	0.7	0.5	92.7	-1.3	0.2	183.7	-0.2	0.7	
		-1.1	3.1		-0.9	3.5		0.7	0.6		-4.8	0.6		-0.7	3.5	
BZCGA4	64.5	0.4	0.7	157.7	0.9	1.8	26.7	-0.3	1.7	101.5	1.1	1.7	192.0	1.6	1.5	
		0.7	1.3		7.8	8.9		-0.3	2.0		4.0	4.4		7.6	7.1	
Grand Median		63.8		149.9			27.0			97.5			184.4			
Median Abs Dev		0.9		4.3			0.5			2.3			2.4			
Avg Within Lab SD		1.9		4.9			1.2			2.6			4.7			
Labs Included		4		4			4			4			4			
Labs Reporting		4		4			4			4			4			



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

Mehlich-1, Ca (SubTestCode 151)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
KQWZGM	649.5	-0.1	0.1	1,547.5	-1.7	0.6	515.9	0.1	0.2	1,933.5	1.1	0.2	1,384.4	-0.3	0.1
		-3.6	2.2		-122.4	26.7		6.6	3.2		103.5	11.4		-26.5	4.2
3D69EG	628.3	-0.7	0.6	1,702.4	0.4	0.8	462.9	-0.9	0.7	1,764.0	-0.7	1.3	1,367.3	-0.5	0.5
		-24.8	16.4		32.5	32.1		-46.4	13.6		-66.0	79.6		-43.7	18.8
4C4V8E	717.7	1.8	1.6	1,690.7	0.3	1.5	592.0	1.6	0.3	1,792.3	-0.4	0.6	1,528.7	1.5	1.3
		64.6	42.0		20.8	63.0		82.7	6.1		-37.7	36.9		117.7	48.6
BZCGA4	656.7	0.1	1.0	1,649.2	-0.3	0.9	502.7	-0.1	1.8	1,867.7	0.4	1.4	1,437.5	0.3	1.4
		3.6	25.9		-20.8	36.0		-6.6	33.8		37.7	86.9		26.5	52.2
Grand Median		653.1		1,669.9			509.3			1,830.0			1,411.0		
Median Abs Dev		14.2		26.6			26.5			51.8			35.1		
Avg Within Lab SD		26.0		41.9			18.5			62.0			36.9		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

Mehlich-1, Mg (SubTestCode 152)	in the Mehlich-1 Multi Element (scoop) Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
KQWZGM	82.5	-0.2	0.0	240.0	-1.7	0.5	44.1	-0.2	0.4	516.9	2.2	0.2	469.5	0.8	0.1	
		-0.6	0.2		-21.1	2.3		-1.1	0.5		36.0	3.1		5.2	0.9	
3D69EG	83.7	0.2	0.6	270.6	0.8	0.9	43.9	-0.3	1.1	482.0	0.1	1.5	466.8	0.4	1.0	
		0.6	2.5		9.5	4.3		-1.3	1.4		1.1	21.5		2.6	7.6	
4C4V8E	87.7	1.8	1.1	262.3	0.1	1.6	54.3	1.9	0.5	474.0	-0.4	0.1	461.7	-0.4	1.4	
		4.5	4.7		1.3	8.1		9.1	0.6		-6.9	1.7		-2.6	10.5	
BZCGA4	82.0	-0.4	1.6	259.8	-0.1	0.7	46.3	0.2	1.5	479.8	-0.1	1.3	457.3	-1.1	1.0	
		-1.1	6.7		-1.3	3.3		1.1	1.9		-1.1	19.1		-6.9	7.9	
Grand Median		83.1		261.1			45.2			480.9			464.2			
Median Abs Dev		0.9		5.4			1.2			4.0			3.9			
Avg Within Lab SD		4.3		5.0			1.2			14.5			7.6			
Labs Included		4		4			4			4			4			
Labs Reporting		4		4			4			4			4			



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

Mehlich-1, Mn (SubTestCode 153)		in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg			
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515										
KQWZGM	19.65	-0.97 -1.55 -0.25	0.11 0.09 0.61	4.67	-1.79 -2.68 -0.01	0.15 0.11 0.43	12.38	-0.96 -1.38 -0.05	0.35 0.22 1.13	12.13	-0.06 -0.02 -1.41	0.04 0.04 0.68	64.13	-0.89 -1.99 -0.59	0.15 0.40 0.45
3D69EG	20.80	-0.40 0.25	0.53 1.22	7.33	-0.02 0.01	0.32 0.28	13.70	-0.07 1.64	0.70 1.05	11.77	-0.38 1.17	0.60 0.51	64.80	-1.32 0.59	1.15 0.93
4C4V8E	21.60	0.40 1.23	1.05 1.46	7.37	0.02 0.88	0.21 1.93	16.13	2.37 0.05	0.65 1.23	12.47	0.32 0.06	0.45 1.81	67.43	1.32 0.62	2.39 1.70
BZCGA4	23.17	1.97 1.26		8.67	1.32 1.44		13.83	0.07 0.76		12.17	0.02 1.61		67.50	1.38 4.36	
Grand Median		21.2			7.35			13.8			12.2			66.1	
Median Abs Dev		1.0			0.67			0.7			0.2			1.4	
Avg Within Lab SD		0.9			0.75			0.6			0.9			2.6	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	



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

Mehlich-1, Zn (SubTestCode 154)	in the Mehlich-1 Multi Element (scoop) Property Groups								Data units: mg/kg	
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515	
KQWZGM	1.18	0.22	1.35	0.67	1.18	0.20	15.01	0.16	0.66	0.49
		0.01		0.03		0.02		0.09		0.02
3D69EG	1.13	1.21	1.47	1.13	1.17	0.69	14.03	1.04	0.67	1.48
		0.06		0.06		0.06		0.55		0.06
BZCGA4	1.02	1.21	1.08	1.13	1.00	1.58	13.25	1.37	0.33	0.75
		0.06		0.06		0.13		0.73		0.03
Grand Median		1.13		1.35		1.17		14.0		0.66
Median Abs Dev										
Avg Within Lab SD		0.05		0.05		0.08		0.5		0.04
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		

Mehlich-3, Scoop Density (SubTestCode 155)			in the Mehlich-3 Multi-Element Property Groups												Data units: g/cm3	
	SRSSRS1511		SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
26FBY9	0.98	-1.00	0.00	0.88	-1.07	1.30	1.25	-0.14	0.00	0.79	-0.85	0.20	0.96	-0.46	0.70	
		-0.15	0.00		-0.16	0.01		-0.02	0.00		-0.14	0.00		-0.06	0.01	
KQWZGM	2.51	9.64	6.53	2.21	7.93	7.17	2.58	8.24	40.71	2.24	8.19	2.85	2.30	9.23	2.79	
		1.39	0.06		1.17	0.06		1.31	0.28		1.32	0.04		1.28	0.02	
QB3B2R	1.31	1.31		1.22	1.24		1.51	1.53		1.08	0.97		1.23	1.49		
		0.19	0.00		0.18	0.00		0.24	0.00		0.16	0.00		0.21	0.00	
MKUMMU	1.18	0.42	0.00	1.18	0.97	0.00	1.18	-0.54	0.00	1.18	1.59	0.00	1.18	1.13	0.00	
		0.06	0.00		0.14	0.00		-0.09	0.00		0.26	0.00		0.16	0.00	
UB76AM	1.19	0.46	0.91	1.04	0.00	1.43	1.51	1.50	1.62	0.97	0.31	1.15	1.19	1.18	1.43	
		0.07	0.01		0.00	0.01		0.24	0.01		0.05	0.01		0.16	0.01	
EDKTTZ	1.00	-0.83		0.97	-0.47	1.64	1.23	-0.21	1.12	0.84	-0.56	0.40	1.00	-0.14	1.07	
		-0.12	0.00		-0.07	0.01		-0.03	0.01		-0.09	0.01		-0.02	0.01	
89DUG9	1.01	-0.76	1.13	0.95	-0.59	1.30	1.27	0.00	0.85	0.91	-0.07	0.46	1.02	0.00	0.81	
		-0.11	0.01		-0.09	0.01		0.00	0.01		-0.01	0.01		0.00	0.01	
HMD97T	1.19	0.48	2.21	1.13	0.62	0.66	1.46	1.21	1.96	0.92	0.00	0.81	1.23	1.50	0.54	
		0.07	0.02		0.09	0.01		0.19	0.01		0.00	0.01		0.21	0.00	
XLBLAF	1.12	0.00		1.10	0.42		1.40	0.84		1.09	1.03		1.02	-0.02		
		0.00	0.00		0.06	0.00		0.13	0.00		0.17	0.00		0.00	0.00	
PN7ACJ	1.00	-0.81	1.42	0.94	-0.69	0.65	1.25	-0.10	0.74	0.81	-0.69	2.57	1.01	-0.13	2.09	
		-0.12	0.01		-0.10	0.01		-0.02	0.01		-0.11	0.03		-0.02	0.02	
Grand Median		1.12		1.04			1.27			0.92			1.02			
Median Abs Dev		0.11		0.09			0.09			0.11			0.06			
Avg Within Lab SD		0.01		0.01			0.01			0.01			0.01			
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		

Mehlich-3, P Colorimetric (SubTestCode 156)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
C47NEY	33.4	1.9	0.7	16.7	1.4	0.5	81.5	2.0	0.4	78.4	3.5	1.0	68.8	3.4	0.3
		6.1	0.4		3.1	0.2		20.8	0.5		23.3	0.8		22.1	0.4
QUDDLH	32.0	1.4	1.7	15.0	0.6	2.2	64.3	0.3	0.6	61.3	0.9	1.8	50.3	0.5	2.1
		4.7	1.0		1.4	1.0		3.6	0.6		6.2	1.5		3.6	3.1
MKUMMU	24.0	-1.0	1.7	15.0	0.6		53.0	-0.8	1.0	55.7	0.1	0.7	45.3	-0.2	1.4
		-3.3	1.0		1.4	0.0		-7.8	1.0		0.5	0.6		-1.4	2.1
JXC9JX	28.0	0.2		12.0	-0.7		50.0	-1.0		55.0	0.0		46.0	-0.1	
		0.7	0.0		-1.6	0.0		-10.8	0.0		-0.1	0.0		-0.8	0.0
GLNMZX	27.0	-0.1		11.8	-0.8	0.6	56.7	-0.4	1.1	54.7	-0.1	1.4	45.5	-0.2	0.6
		-0.3	0.0		-1.7	0.3		-4.1	1.2		-0.5	1.2		-1.3	0.9
V9WEKJ	27.1	-0.1	0.2	13.6	0.0	0.3	60.8	0.0	0.6	55.1	0.0	0.4	46.8	0.0	0.3
		-0.3	0.1		0.0	0.1		0.0	0.7		0.0	0.3		0.0	0.4
RKW4MM	27.3	0.0	1.0	12.3	-0.6	1.3	62.3	0.2	2.0	54.7	-0.1	0.7	48.7	0.3	0.4
		0.0	0.6		-1.2	0.6		1.6	2.1		-0.5	0.6		1.9	0.6
Grand Median		27.3			13.6			60.8			55.1			46.8	
Median Abs Dev		0.7			1.4			4.1			0.5			1.4	
Avg Within Lab SD		0.6			0.5			1.0			0.9			1.5	
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		

Mehlich-3, P ICP-AES (SubTestCode 157)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	29.3	-1.3	0.3	13.2	-1.3	0.2	82.3	0.2	0.2	66.0	-0.4	0.2	54.3	-0.2	0.2	
		-8.7	0.6		-5.1	0.3		2.9	1.3		-6.4	1.5		-2.8	0.8	
26FBY9	39.3	0.2	1.2	17.8	-0.1	1.1	86.0	0.5	0.5	74.0	0.1	0.4	61.8	0.4	0.2	
		1.3	2.0		-0.5	1.4		6.6	3.3		1.6	3.7		4.7	0.6	
MGZK6N	41.5	0.5	0.1	20.6	0.6	0.2	85.1	0.4	0.1	72.7	0.0	0.0	60.0	0.2	0.1	
		3.5	0.2		2.3	0.3		5.8	0.8		0.3	0.1		3.0	0.2	
CP6CHY	38.0	0.0	1.8	17.0	-0.3	0.8	82.0	0.2	0.3	76.7	0.3	0.2	59.7	0.2	1.1	
		0.0	3.0		-1.3	1.0		2.7	1.7		4.3	1.5		2.6	4.0	
4RZ3B8	40.9	0.4	0.2	19.5	0.3	1.4	76.9	-0.2	0.2	75.4	0.2	0.3	62.4	0.4	0.1	
		2.9	0.3		1.2	1.7		-2.4	1.2		3.0	3.1		5.3	0.6	
J7BMPT	36.0	-0.3	0.6	17.7	-0.2	0.5	79.3	0.0	0.4	65.3	-0.5	0.3	52.7	-0.3	0.8	
		-2.0	1.0		-0.6	0.6		0.0	2.5		-7.1	2.5		-4.4	2.9	
8MDKJZ	37.3	-0.1	1.5	20.7	0.6	1.0	87.3	0.6	0.4	65.7	-0.4	0.4	56.7	0.0	0.6	
		-0.7	2.5		2.4	1.2		8.0	2.5		-6.7	4.2		-0.4	2.1	
Q4YHTG	36.5	-0.2	0.4	16.8	-0.4	0.3	75.2	-0.3	0.2	63.1	-0.6	0.3	54.3	-0.2	0.4	
		-1.5	0.7		-1.5	0.4		-4.1	1.2		-9.3	3.4		-2.8	1.3	
KQWZGM	38.5	0.1	0.1	18.3	0.0	0.2	77.5	-0.1	0.0	73.4	0.1	0.0	56.6	0.0	0.1	
		0.5	0.2		0.0	0.2		-1.8	0.3		1.0	0.1		-0.4	0.4	
KQRJHN	38.3	0.0	0.3	18.3	0.0	0.5	82.0	0.2	0.3	69.0	-0.2	0.1	58.7	0.1	0.2	
		0.3	0.6		0.0	0.6		2.7	2.0		-3.4	1.0		1.6	0.6	
G6NDG2	32.9	-0.8	0.3	14.7	-0.9	0.1	77.3	-0.1	0.2	60.8	-0.8	0.0	54.4	-0.2	0.2	
		-5.1	0.5		-3.6	0.1		-2.1	1.0		-11.6	0.4		-2.7	0.9	
CQF2X6	42.7	0.7	0.9	22.7	1.1	0.5	92.3	0.9	0.6	86.3	0.9	0.2	71.3	1.1	0.4	
		4.7	1.5		4.4	0.6		13.0	3.5		13.9	1.5		14.3	1.5	
QB3B2R	25.0	-1.9	1.2	14.7	-0.9	0.5	53.0	-1.8	0.3	63.3	-0.6	0.5	57.0	0.0	0.5	
		-13.0	2.0		-3.6	0.6		-26.3	2.0		-9.1	4.5		-0.1	2.0	
KZGFYV	33.7	-0.6	0.0	16.0	-0.6	0.3	73.2	-0.4	0.7	70.8	-0.1	0.1	52.9	-0.3	0.3	
		-4.3	0.1		-2.3	0.3		-6.2	4.2		-1.6	0.8		-4.2	0.9	
UB76AM	35.5	-0.4	0.5	15.9	-0.6	0.2	79.2	0.0	0.1	67.6	-0.3	0.1	55.9	-0.1	0.4	
		-2.5	0.8		-2.4	0.2		-0.2	0.7		-4.8	1.1		-1.2	1.6	
44U7TF	62.3	3.6		31.6	3.3		110.1	2.1		108.0	2.4		91.4	2.6		
		24.3	0.0		13.3	0.0		30.8	0.0		35.6	0.0		34.4	0.0	
ZEMHEH	60.1	3.3	1.9	33.5	3.7	2.7	119.3	2.8	5.2	160.8	5.9	5.2	134.9	5.9	2.6	
		22.1	3.1		15.2	3.3		40.0	32.8		88.4	50.9		77.8	9.9	
KXVCQX	29.2	-1.3	0.4	14.0	-1.1	0.7	80.7	0.1	0.2	64.2	-0.5	0.1	56.2	-0.1	0.2	
		-8.8	0.6		-4.3	0.8		1.4	1.1		-8.2	1.3		-0.9	0.9	
WR44BL	33.8	-0.6	0.0	15.2	-0.8	0.0	71.1	-0.6	0.0	61.0	-0.8		54.1	-0.2	0.0	
		-4.2	0.0		-3.1	0.0		-8.2	0.1		-11.4	0.0		-2.9	0.0	
EDKTTZ	41.2	0.5	1.6	17.9	-0.1	1.7	86.6	0.5	1.1	81.8	0.6	0.4	69.2	0.9	0.5	
		3.2	2.6		-0.4	2.1		7.2	6.9		9.4	4.0		12.1	1.8	



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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
XX43YG	40.3	0.3	0.9	21.7	0.8	1.3	75.7	-0.3	0.6	87.3	1.0	0.7	68.3	0.9	1.2
		2.3	1.5		3.4	1.5		-3.7	3.5		14.9	6.7		11.3	4.5
89DUG9	37.6	-0.1	0.3	18.3	0.0	0.1	62.4	-1.2	0.3	75.9	0.2	0.1	54.4	-0.2	0.2
		-0.4	0.5		0.0	0.1		-17.0	2.0		3.5	1.0		-2.6	0.6
4F7V8B	38.5	0.1	0.1	17.5	-0.2	0.1	79.4	0.0	0.1	68.1	-0.3	0.0	57.1	0.0	0.1
		0.5	0.1		-0.8	0.1		0.0	0.5		-4.3	0.2		0.0	0.3
HMD97T	41.0	0.4	0.2	21.8	0.9	0.2	91.1	0.8	0.5	81.0	0.6	0.2	72.4	1.2	0.1
		3.0	0.4		3.5	0.2		11.7	3.0		8.6	1.5		15.4	0.4
7L7UV7	36.1	-0.3	0.3	17.7	-0.1	0.2	78.2	-0.1	0.3	68.3	-0.3	0.2	54.6	-0.2	0.3
		-1.9	0.4		-0.6	0.2		-1.1	2.0		-4.1	1.9		-2.5	1.1
XKF48E	39.5	0.2	3.4	18.7	0.1	2.9	77.0	-0.2	0.4	78.5	0.4	0.5	71.1	1.1	4.3
		1.5	5.6		0.4	3.5		-2.3	2.6		6.1	5.3		14.0	16.2
F7ZQLX	44.0	0.9	0.1	25.8	1.8	0.5	66.8	-0.9	0.2	67.7	-0.3	0.2	85.7	2.2	0.5
		6.0	0.1		7.5	0.6		-12.5	1.3		-4.7	1.6		28.7	1.9
TAEMVG	33.3	-0.7	0.7	18.3	0.0	1.0	67.3	-0.8	0.1	80.3	0.5	1.4	54.3	-0.2	0.4
		-4.7	1.2		0.0	1.2		-12.0	0.6		7.9	13.3		-2.7	1.5
HNU6YT	39.1	0.2	0.9	18.3	0.0	0.9	88.7	0.6	0.6	75.7	0.2	0.2	63.8	0.5	0.5
		1.1	1.5		0.0	1.1		9.3	3.9		3.3	2.3		6.8	1.7
WN9D4A	33.5	-0.7	0.6	18.5	0.0	0.7	25.4	-3.7	0.2	54.2	-1.2	0.1	48.2	-0.7	0.1
		-4.5	0.9		0.2	0.9		-53.9	1.2		-18.2	0.8		-8.8	0.3
PN7ACJ	35.4	-0.4	0.5	17.4	-0.2	0.9	86.5	0.5	0.2	72.4	0.0	0.5	61.3	0.3	0.2
		-2.6	0.8		-0.9	1.1		7.2	1.5		0.0	4.8		4.3	0.8
Grand Median		38.0		18.3			79.3			72.4			57.1		
Median Abs Dev		2.9		1.5			6.2			6.4			3.0		
Avg Within Lab SD		1.7		1.2			6.4			9.8			3.8		
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, K (SubTestCode 158)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	91.2	0.0	0.3	302.0	-0.3	0.0	40.5	0.8	0.2	171.8	0.0	0.4	392.0	-0.1	0.1	
		-0.2	1.3		-12.7	0.5		4.9	0.5		0.6	3.8		-5.8	2.0	
26FBY9	94.0	0.2	0.8	340.3	0.6	0.5	36.8	0.2	2.1	183.5	0.4	0.6	447.5	0.9	0.7	
		2.6	3.3		25.7	9.0		1.3	5.2		12.3	5.0		49.7	15.4	
MGZK6N	100.2	0.8	0.5	332.6	0.5	0.2	38.0	0.4	0.1	171.1	0.0	0.1	431.7	0.6	0.1	
		8.8	2.0		17.9	4.0		2.4	0.2		-0.1	1.2		33.8	3.1	
CP6CHY	94.0	0.2	0.9	298.0	-0.4	4.0	37.3	0.3	0.2	195.3	0.8	0.3	454.0	1.0	0.5	
		2.6	3.5		-16.7	66.7		1.8	0.6		24.2	2.9		56.2	9.6	
J7BMPT	85.7	-0.5	0.1	296.3	-0.5	0.3	40.3	0.8	0.9	159.7	-0.4	0.1	384.0	-0.2	0.2	
		-5.7	0.6		-18.3	4.5		4.8	2.1		-11.5	1.2		-13.8	5.3	
8MDKJZ	81.0	-0.9	0.7	278.3	-0.9	0.4	29.0	-1.1	0.4	139.3	-1.0	0.4	338.0	-1.1	0.3	
		-10.4	2.6		-36.3	7.0		-6.6	1.0		-31.8	4.0		-59.8	7.0	
Q4YHTG	76.3	-1.3	0.1	262.3	-1.3	0.0	33.0	-0.4	0.8	138.0	-1.1	0.8	335.3	-1.1	0.2	
		-15.1	0.3		-52.4	0.4		-2.5	2.0		-33.2	7.3		-62.6	5.0	
KQWZGM	106.5	1.3		351.3	0.9	0.1	35.4	0.0	0.2	197.5	0.9	0.0	434.2	0.6	0.2	
		15.1	0.0		36.6	1.6		-0.1	0.4		26.3	0.2		36.3	4.5	
KQRJHN	89.0	-0.2	0.2	320.0	0.1	0.1	35.7	0.0	0.6	162.3	-0.3	0.2	400.0	0.0	0.2	
		-2.4	1.0		5.3	2.0		0.1	1.5		-8.8	1.5		2.2	4.4	
G6NDG2	82.4	-0.8	0.1	288.1	-0.7	0.3	35.0	-0.1	0.1	159.3	-0.4	1.0	418.9	0.4	0.5	
		-9.0	0.4		-26.5	5.5		-0.6	0.3		-11.9	9.3		21.0	11.6	
CQF2X6	93.0	0.1	1.0	360.0	1.1	0.2	42.0	1.1	0.8	201.7	1.0	0.4	434.7	0.7	0.2	
		1.6	4.0		45.3	3.0		6.4	2.0		30.5	3.5		36.8	3.5	
QB3B2R	71.7	-1.7	0.6	284.0	-0.8	1.1	24.3	-1.9	0.6	171.0	0.0	0.8	325.3	-1.3	0.8	
		-19.7	2.5		-30.7	17.5		-11.2	1.5		-0.2	7.0		-72.5	16.7	
KZGFYV	91.7	0.0	0.1	333.6	0.5	0.2	32.3	-0.5	0.6	188.4	0.6	0.2	412.1	0.3	0.1	
		0.2	0.6		18.9	3.9		-3.2	1.6		17.2	2.0		14.2	2.0	
MKUMMU	81.0	-0.9	0.2	313.7	0.0	0.4	26.0	-1.6	0.4	158.3	-0.4	0.2	373.3	-0.4	0.2	
		-10.4	1.0		-1.0	6.4		-9.6	1.0		-12.8	1.5		-24.5	4.5	
UB76AM	83.4	-0.7	0.5	288.0	-0.7	0.7	35.8	0.0	0.4	160.7	-0.3	0.3	393.3	-0.1	0.4	
		-8.0	2.2		-26.7	10.8		0.2	1.1		-10.5	2.3		-4.5	9.0	
JXC9JX	92.0	0.1		308.0	-0.2		40.0	0.7		168.0	-0.1		382.0	-0.3		
		0.6	0.0		-6.7	0.0		4.4	0.0		-3.2	0.0		-15.8	0.0	
44U7TF	113.9	1.9		367.1	1.3		47.5	2.0		214.3	1.4		475.9	1.4		
		22.5	0.0		52.4	0.0		11.9	0.0		43.1	0.0		78.0	0.0	
ZEMHEH	78.3	-1.1	3.0	340.8	0.7	1.7	21.7	-2.3	2.7	198.2	0.9	2.0	336.0	-1.1	5.0	
		-13.1	12.1		26.1	28.1		-13.9	6.6		27.1	18.0		-61.9	106.1	
KXVCQX	81.0	-0.9	0.4	296.7	-0.5	0.1	34.2	-0.2	0.3	148.3	-0.7	0.4	395.7	0.0	0.3	
		-10.4	1.7		-18.0	1.5		-1.4	0.7		-22.8	4.0		-2.2	6.4	
WR44BL	75.8	-1.3	0.0	259.0	-1.4		31.3	-0.7	0.0	144.7	-0.9	0.1	371.7	-0.5	0.0	
		-15.6	0.0		-55.7	0.0		-4.3	0.1		-26.5	0.6		-26.2	0.6	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
EDKTTZ	97.9	0.6	0.6	371.1	1.4	1.0	36.7	0.2	0.5	209.9	1.3	0.3	547.7	2.7	1.1
		6.4	2.5		56.5	15.9		1.2	1.1		38.8	2.6		149.9	22.5
XX43YG	95.7	0.4	2.1	375.3	1.5	1.2	26.7	-1.5	1.5	229.3	1.9	1.9	439.3	0.7	1.2
		4.3	8.5		60.7	19.7		-8.9	3.8		58.2	17.2		41.5	26.0
GLNMZX	88.7	-0.2	0.8	289.3	-0.6	0.1	40.7	0.9	0.9	152.7	-0.6	0.1	366.7	-0.6	0.1
		-2.7	3.1		-25.3	1.2		5.1	2.3		-18.5	1.2		-31.2	2.3
V9WEKJ	84.2	-0.6	0.3	305.6	-0.2	0.1	37.2	0.3	0.4	157.2	-0.5	0.1	365.4	-0.6	0.0
		-7.2	1.3		-9.1	1.4		1.7	0.9		-14.0	0.8		-32.4	0.9
89DUG9	101.2	0.8	0.4	367.1	1.3	0.3	35.2	-0.1	0.5	224.4	1.7	0.5	431.2	0.6	0.1
		9.8	1.5		52.4	5.6		-0.4	1.2		53.2	4.9		33.4	3.0
RKW4MM	92.0	0.1	0.2	315.7	0.0	0.4	36.3	0.1	0.9	151.7	-0.6	0.2	389.0	-0.2	0.2
		0.6	1.0		1.0	7.2		0.8	2.1		-19.5	1.5		-8.8	5.3
4F7V8B	91.9	0.0	0.4	318.6	0.1	0.2	34.3	-0.2	0.2	171.2	0.0	0.9	414.0	0.3	0.1
		0.5	1.5		3.9	4.0		-1.3	0.6		0.1	7.8		16.1	2.8
HMD97T	93.1	0.1	0.3	364.7	1.3	0.1	34.5	-0.2	0.4	186.7	0.5	0.8	484.8	1.5	0.4
		1.7	1.3		50.0	2.0		-1.1	1.0		15.5	7.2		87.0	8.5
7L7UV7	78.6	-1.1	0.2	307.7	-0.2	0.5	33.3	-0.4	0.1	149.2	-0.7	0.4	393.6	-0.1	0.3
		-12.8	0.9		-7.0	9.0		-2.3	0.3		-22.0	3.7		-4.3	5.7
XKF48E	89.5	-0.2	2.1	308.2	-0.2	1.1	32.2	-0.6	0.9	193.5	0.7	1.2	435.9	0.7	1.2
		-1.9	8.4		-6.4	17.5		-3.3	2.1		22.4	10.5		38.0	25.2
F7ZQLX	77.6	-1.2	0.6	276.7	-1.0	0.3	36.3	0.1	2.5	142.0	-1.0	0.5	338.9	-1.0	0.7
		-13.8	2.4		-38.0	5.7		0.7	6.1		-29.1	4.1		-58.9	15.4
TAEMVG	95.0	0.3	1.1	330.3	0.4	1.6	28.0	-1.3	0.4	203.3	1.1	3.6	380.7	-0.3	0.6
		3.6	4.6		15.7	26.0		-7.6	1.0		32.2	32.0		-17.2	13.6
HNU6YT	115.9	2.1	2.8	335.5	0.5	2.1	41.8	1.0	2.3	172.3	0.0	1.2	424.4	0.5	0.8
		24.5	11.3		20.8	35.1		6.2	5.7		1.1	11.1		26.5	17.9
Q77MKK	235.9	12.4		856.2	13.6		80.2	7.4		603.8	14.1		1,242.5	15.0	
		144.5	0.0		541.6	0.0		44.6	0.0		432.6	0.0		844.7	0.0
PN7ACJ	93.7	0.2	0.9	348.7	0.9	0.9	41.1	0.9	0.9	193.4	0.7	2.2	464.6	1.2	0.7
		2.3	3.8		34.1	15.6		5.5	2.1		22.3	19.7		66.8	14.8
Grand Median		91.4			314.7			35.6			171.2			397.8	
Median Abs Dev		6.8			25.5			2.9			20.7			32.9	
Avg Within Lab SD		4.0			16.5			2.4			9.0			21.2	
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		

Mehlich-3, Ca (SubTestCode 159)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
NRW8AP	611.5	-0.4	0.4	2,147.5	-0.6	0.3	590.8	0.1	0.1	1,954.5	-0.9	0.2	1,796.8	-0.7	0.3
		-44.5	14.8		-192.2	38.0		10.7	4.8		-276.1	25.5		-188.1	23.8
26FBY9	628.0	-0.2	0.3	2,394.7	0.2	0.7	578.3	0.0	1.0	2,172.7	-0.2	0.5	2,031.2	0.2	0.4
		-27.9	12.5		55.1	79.7		-1.8	39.7		-57.9	64.2		46.4	33.3
MGZK6N	872.0	1.8	0.4	3,010.3	2.2	0.0	864.3	3.0	0.4	2,623.3	1.3	0.1	2,509.7	2.0	0.6
		216.0	15.2		670.7	5.5		284.3	16.9		392.8	9.0		524.8	49.4
CP6CHY	718.0	0.5	0.1	2,403.0	0.2	0.4	576.7	0.0	0.3	2,332.7	0.3	0.1	2,135.7	0.6	0.5
		62.0	4.4		63.3	47.6		-3.4	11.7		102.1	12.0		150.8	41.5
J7BMPT	659.0	0.0	0.4	2,370.3	0.1	0.5	632.7	0.6	0.3	2,147.0	-0.3	0.4	1,986.3	0.0	0.6
		3.0	14.0		30.7	59.7		52.6	13.1		-83.6	60.0		1.5	48.2
8MDKJZ	564.3	-0.8	0.2	2,293.7	-0.1	0.2	523.0	-0.6	0.2	2,125.0	-0.3	0.2	1,947.0	-0.1	0.3
		-91.6	5.9		-46.0	23.8		-57.1	7.2		-105.6	25.5		-37.8	21.9
Q4YHTG	602.7	-0.5	0.7	2,038.9	-1.0	0.2	581.8	0.0	0.5	1,810.0	-1.3	0.7	1,741.7	-0.9	0.4
		-53.3	25.5		-300.8	18.9		1.8	19.6		-420.6	97.1		-243.2	28.0
KQWZGM	756.7	0.9	0.1	2,602.0	0.9	0.1	542.6	-0.4	0.1	2,453.7	0.7	0.3	2,131.0	0.5	0.1
		100.8	2.6		262.3	14.7		-37.4	3.4		223.1	42.6		146.2	7.2
KQRJHN	631.0	-0.2	0.1	2,338.3	0.0	0.3	582.3	0.0	0.2	1,950.3	-0.9	0.2	1,871.7	-0.4	0.3
		-25.0	5.0		-1.3	39.2		2.3	7.2		-280.2	26.8		-113.2	23.5
G6NDG2	624.5	-0.3	0.3	2,220.0	-0.4	0.6	577.3	0.0	0.2	2,000.7	-0.7	0.0	2,224.0	0.9	0.8
		-31.5	12.1		-119.7	74.1		-2.7	8.4		-229.9	6.5		239.2	63.6
CQF2X6	735.3	0.7	0.1	2,446.7	0.3	0.2	643.3	0.7	1.5	2,263.3	0.1	0.0	1,983.3	0.0	0.2
		79.4	5.0		107.0	25.2		63.3	61.1		32.8	5.8		-1.5	11.5
QB3B2R	553.3	-0.9	0.4	1,837.0	-1.6	1.5	473.7	-1.1	0.1	2,229.3	0.0	0.1	1,766.3	-0.8	0.3
		-102.6	14.6		-502.7	178.7		-106.4	4.9		-1.2	17.0		-218.5	23.5
KZGFYV	567.8	-0.8	0.2	2,156.0	-0.6	0.3	489.2	-1.0	0.5	2,055.0	-0.6	0.1	1,726.2	-1.0	0.4
		-88.2	8.6		-183.7	29.8		-90.9	22.1		-175.6	20.1		-258.6	28.8
MKUMMU	714.3	0.5	0.2	2,587.7	0.8	0.3	597.0	0.2	0.3	2,242.7	0.0	0.7	2,053.7	0.3	0.2
		58.4	9.5		248.0	38.7		16.9	13.7		12.1	95.2		68.8	14.4
UB76AM	612.0	-0.4	0.6	2,145.7	-0.6	0.4	576.7	0.0	0.0	2,017.3	-0.7	0.1	1,955.0	-0.1	0.6
		-44.0	23.1		-194.0	45.6		-3.4	0.6		-213.2	7.1		-29.8	42.3
JXC9JX	681.0	0.2		2,341.0	0.0		693.0	1.2		2,247.0	0.1		2,077.0	0.3	
		25.0	0.0		1.3	0.0		112.9	0.0		16.4	0.0		92.2	0.0
44U7TF	882.3	1.9		3,201.9	2.8		704.4	1.3		2,898.0	2.1		2,682.9	2.6	
		226.3	0.0		862.2	0.0		124.3	0.0		667.5	0.0		698.0	0.0
ZEMHEH	553.6	-0.9	0.1	2,286.0	-0.2	0.6	459.0	-1.3	0.5	2,231.8	0.0	0.5	1,719.3	-1.0	1.0
		-102.3	3.2		-53.7	74.5		-121.1	18.7		1.2	63.6		-265.5	74.2
KXVCQX	600.0	-0.5	0.2	2,257.3	-0.3	0.3	594.7	0.2	0.1	2,007.7	-0.7	0.6	1,998.0	0.0	0.8
		-56.0	6.6		-82.3	36.1		14.6	5.7		-222.9	84.2		13.2	58.6
WR44BL	531.6	-1.1	0.0	1,937.3	-1.3	0.0	518.3	-0.7	0.0	1,830.0	-1.3		1,790.0	-0.7	
		-124.4	0.0		-402.3	0.6		-61.7	0.6		-400.6	0.0		-194.8	0.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
EDKTTZ	819.9	1.4	1.6	2,586.7	0.8	0.9	484.1	-1.0	1.4	2,334.4	0.3	0.6	2,267.3	1.1	1.4
		164.0	62.8		247.1	105.7		-95.9	57.2		103.9	87.5		282.5	105.2
XX43YG	835.0	1.5	4.5	2,726.3	1.3	4.6	615.3	0.4	4.2	2,735.7	1.6	3.9	2,341.3	1.3	4.4
		179.0	173.8		386.7	543.0		35.3	170.0		505.1	527.6		356.5	335.0
GLNMZX	623.3	-0.3	0.4	2,184.3	-0.5	0.2	609.7	0.3	0.3	1,960.3	-0.9	0.0	1,876.3	-0.4	0.3
		-32.6	16.3		-155.3	18.5		29.6	10.5		-270.2	6.4		-108.5	21.9
V9WEKJ	527.0	-1.1	0.1	2,097.7	-0.8	0.0	490.3	-1.0	0.0	1,874.7	-1.1	0.1	1,707.7	-1.0	0.1
		-129.0	2.6		-242.0	2.1		-89.7	1.5		-355.9	15.5		-277.2	4.9
89DUG9	739.4	0.7	0.7	2,531.0	0.6	0.2	504.0	-0.8	0.3	2,415.3	0.6	0.1	1,960.0	-0.1	0.5
		83.5	28.3		191.3	28.9		-76.1	10.1		184.8	18.4		-24.8	39.5
RKW4MM	629.7	-0.2	0.2	2,214.7	-0.4	1.0	535.0	-0.5	0.1	1,723.3	-1.6	0.2	1,673.3	-1.2	0.4
		-26.3	9.0		-125.0	115.8		-45.1	4.4		-507.2	30.2		-311.5	32.8
HMD97T	681.9	0.2	0.2	2,695.1	1.2	0.1	619.4	0.4	0.6	2,275.3	0.1	0.4	2,309.1	1.2	0.4
		25.9	7.2		355.4	12.7		39.3	23.7		44.7	54.7		324.2	34.3
7L7UV7	652.9	0.0	0.4	2,258.5	-0.3	0.4	589.5	0.1	0.3	2,040.0	-0.6	0.7	1,888.2	-0.4	0.7
		-3.0	17.3		-81.2	50.7		9.4	10.4		-190.6	94.5		-96.6	55.9
XKF48E	659.5	0.0	1.7	2,315.0	-0.1	1.1	537.8	-0.4	0.6	2,507.3	0.9	1.3	2,093.0	0.4	1.7
		3.5	65.6		-24.7	125.7		-42.3	23.9		276.8	177.3		108.2	128.4
TAEMVG	675.3	0.2	1.2	2,422.7	0.3	1.5	477.7	-1.1	0.7	2,513.7	0.9	3.1	1,866.7	-0.4	0.7
		19.4	47.2		83.0	178.7		-102.4	26.3		283.1	416.5		-118.2	50.3
HNU6YT	867.5	1.8	1.0	2,571.5	0.8	0.9	731.7	1.6	2.3	2,240.6	0.0	0.3	2,142.0	0.6	0.2
		211.6	39.1		231.9	103.7		151.6	92.8		10.1	38.6		157.2	19.1
Q77MKK	3,439.1	23.7		13,435.1	36.0		2,705.9	22.6		24,146.8	69.9		14,622.2	47.0	
		2,783.1	0.0		11,095.4	0.0		2,125.8	0.0		21,916.2	0.0		12,637.4	0.0
PN7ACJ	752.4	0.8	1.0	2,489.9	0.5	0.0	725.4	1.5	0.9	2,348.8	0.4	1.5	2,093.0	0.4	1.5
		96.4	37.8		150.3	5.6		145.4	37.2		118.2	204.3		108.1	112.6
Grand Median		656.0			2,339.7			580.1			2,230.6			1,984.8	
Median Abs Dev		60.2			169.5			48.8			201.9			148.5	
Avg Within Lab SD		38.6			118.3			40.3			135.8			76.9	
Labs Included		32			32			32			32			32	
Labs Reporting		32			32			32			32			32	



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

Mehlich-3, Mg (SubTestCode 160)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
NRW8AP	98.8	-0.3	0.2	349.0	-0.5	0.1	62.5	0.0	1.0	523.5	-0.9	0.2	645.0	-0.2	0.1		
		-4.7	0.8		-23.7	1.0		0.3	2.5		-75.3	7.0		-28.7	3.0		
26FBY9	112.1	0.5	1.3	415.3	0.8	0.4	63.3	0.1	2.6	648.9	0.6	1.0	799.4	1.0	1.1		
		8.6	3.9		42.6	5.7		1.2	6.4		50.2	27.6		125.7	23.4		
MGZK6N	126.3	1.4	1.1	125.3	-4.9	0.1	87.5	2.0	0.1	603.2	0.1	0.2	773.1	0.8	0.4		
		22.9	3.5		-247.4	1.1		25.3	0.2		4.5	7.0		99.4	8.7		
CP6CHY	121.3	1.1	0.5	381.3	0.2	0.5	62.3	0.0	0.6	635.0	0.4	0.4	656.7	-0.1	1.8		
		17.9	1.5		8.7	8.3		0.2	1.5		36.2	10.6		-17.1	37.6		
J7BMPT	106.0	0.2	0.3	368.7	-0.1	0.5	66.0	0.3	0.4	568.0	-0.3	0.4	693.0	0.2	0.7		
		2.6	1.0		-4.0	7.6		3.8	1.0		-30.8	10.4		19.3	14.8		
8MDKJZ	91.0	-0.8	0.3	358.0	-0.3	0.4	49.3	-1.0	0.6	535.3	-0.7	0.2	659.7	-0.1	0.4		
		-12.5	1.0		-14.7	7.0		-12.8	1.5		-63.5	5.9		-14.1	8.6		
Q4YHTG	96.0	-0.5	0.4	331.9	-0.8	0.3	64.7	0.2	0.9	504.0	-1.1	1.0	552.5	-1.0	0.5		
		-7.4	1.2		-40.7	4.7		2.6	2.2		-94.8	29.3		-121.2	9.7		
KQWZGM	120.0	1.0	0.2	414.6	0.8	0.1	57.5	-0.4	0.1	672.5	0.8	0.0	777.4	0.8	0.0		
		16.6	0.7		42.0	1.6		-4.7	0.3		73.7	0.4		103.7	0.9		
KQRJHN	99.7	-0.2	0.8	373.7	0.0	0.2	62.0	0.0	1.1	533.0	-0.7	0.4	675.3	0.0	0.7		
		-3.8	2.3		1.0	3.8		-0.2	2.6		-65.8	10.1		1.6	15.0		
G6NDG2	103.2	0.0	0.3	352.0	-0.4	0.3	67.7	0.4	0.4	569.7	-0.3	0.7	772.8	0.8	0.6		
		-0.2	0.9		-20.7	4.9		5.5	0.9		-29.1	21.2		99.1	13.3		
CQF2X6	117.3	0.8	0.8	430.0	1.1	0.6	67.7	0.4	1.0	680.0	0.9		753.3	0.6	0.5		
		13.9	2.5		57.4	10.0		5.5	2.5		81.2	0.0		79.6	10.4		
QB3B2R	81.7	-1.3	0.8	332.7	-0.8	0.8	39.3	-1.8	0.6	577.7	-0.2	0.5	547.7	-1.0	0.7		
		-21.8	2.3		-40.0	12.0		-22.8	1.5		-21.1	14.5		-126.1	15.6		
KZGFYV	99.4	-0.2	0.3	354.0	-0.4	0.3	54.0	-0.6	1.0	603.3	0.1	0.2	672.1	0.0	0.3		
		-4.1	0.8		-18.6	4.5		-8.2	2.4		4.5	6.0		-1.6	7.1		
MKUMMU	117.0	0.8		396.3	0.5	0.3	64.7	0.2	1.2	594.3	-0.1	0.2	684.0	0.1	0.4		
		13.6	0.0		23.7	4.5		2.5	2.9		-4.5	4.5		10.3	9.0		
UB76AM	107.7	0.3	0.2	351.0	-0.4	0.7	64.9	0.2	1.0	577.3	-0.2	0.5	727.0	0.4	0.2		
		4.2	0.6		-21.7	10.5		2.8	2.4		-21.5	13.1		53.3	4.4		
JXC9JX	128.7	1.5	0.0	366.3	-0.1	0.0	79.2	1.3	0.0	495.0	-1.2		549.4	-1.0	0.0		
		25.3	0.0		-6.4	0.0		17.0	0.0		-103.8	0.0		-124.3	0.0		
44U7TF	134.5	1.9		451.2	1.5		71.4	0.7		721.9	1.4		851.6	1.4			
		31.1	0.0		78.6	0.0		9.3	0.0		123.1	0.0		177.9	0.0		
ZEMHEH	91.0	-0.8	0.8	370.7	0.0	2.0	46.4	-1.2	1.0	644.1	0.5	1.0	652.0	-0.2	1.4		
		-12.4	2.4		-2.0	32.2		-15.7	2.4		45.4	28.4		-21.7	30.4		
KXVCQX	103.7	0.0	0.2	375.3	0.1	0.3	65.3	0.2	0.5	541.7	-0.6	0.1	754.3	0.7	0.3		
		0.2	0.6		2.7	4.7		3.2	1.2		-57.1	2.5		80.6	7.0		
WR44BL	85.1	-1.1	0.0	310.0	-1.2		51.2	-0.8	0.0	494.3	-1.2	0.0	651.3	-0.2	0.0		
		-18.4	0.1		-62.7	0.0		-11.0	0.0		-104.5	0.6		-22.4	0.6		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
EDKTTZ	86.0	-1.1	0.7	413.7	0.8	1.2	35.7	-2.1	1.2	707.2	1.2	0.4	919.0	2.0	1.9
		-17.4	2.3		41.0	19.1		-26.5	2.9		108.4	11.5		245.2	41.1
XX43YG	125.7	1.3	1.0	408.3	0.7	1.8	60.0	-0.2	1.5	625.7	0.3	1.2	620.7	-0.4	1.5
		22.2	3.1		35.7	28.0		-2.2	3.6		26.9	34.6		-53.1	32.5
GLNMZX	96.3	-0.4	0.2	346.7	-0.5	0.7	66.0	0.3	1.1	532.3	-0.8	0.2	658.3	-0.1	0.7
		-7.1	0.6		-26.0	10.5		3.8	2.6		-66.5	6.4		-15.4	15.8
V9WEKJ	64.0	-2.4	0.3	326.3	-0.9	0.1	33.4	-2.2	0.9	547.3	-0.6	0.1	657.8	-0.1	0.3
		-39.5	1.0		-46.3	1.5		-28.8	2.1		-51.5	2.3		-15.9	6.8
89DUG9	106.6	0.2	0.2	394.8	0.4	0.4	49.6	-1.0	0.5	651.6	0.6	0.1	634.4	-0.3	0.3
		3.2	0.7		22.2	6.2		-12.6	1.2		52.8	2.4		-39.3	5.6
RKW4MM	105.3	0.1	0.2	373.0	0.0	1.0	56.7	-0.4	1.0	494.3	-1.2	0.5	661.0	-0.1	1.1
		1.9	0.6		0.4	15.4		-5.5	2.5		-104.5	14.0		-12.7	23.3
HMD97T	101.1	-0.1	0.3	417.2	0.9	0.1	52.8	-0.7	0.7	608.7	0.1	0.7	828.4	1.3	0.6
		-2.3	0.9		44.6	1.2		-9.4	1.7		9.9	18.8		154.6	12.7
7L7UV7	102.8	0.0	1.3	351.7	-0.4	0.2	67.5	0.4	1.5	569.4	-0.3	0.9	200.9	-3.8	0.3
		-0.6	4.0		-21.0	3.5		5.3	3.5		-29.4	26.4		-472.8	5.7
XKF48E	102.6	0.0	3.5	372.3	0.0	1.3	51.8	-0.8	0.7	697.9	1.1	1.6	789.2	0.9	2.8
		-0.8	10.7		-0.4	21.2		-10.4	1.7		99.1	44.2		115.5	60.4
TAEMVG	110.7	0.4	2.9	391.3	0.4	1.9	45.7	-1.3	0.5	687.0	1.0	3.8	669.0	0.0	0.7
		7.2	9.1		18.7	30.7		-16.5	1.2		88.2	108.6		-4.7	14.7
HNU6YT	114.1	0.6	1.1	422.4	1.0	3.4	64.3	0.2	1.7	721.4	1.4	1.4	764.4	0.7	2.0
		10.6	3.2		49.8	53.3		2.1	4.0		122.6	40.7		90.7	41.8
Q77MKK	276.8	10.5		934.9	11.0		113.9	4.0		3,767.9	36.0		2,079.0	11.4	
		173.3	0.0		562.2	0.0		51.7	0.0		3,169.1	0.0		1,405.3	0.0
PN7ACJ	102.2	-0.1	0.5	408.2	0.7	1.4	61.5	-0.1	1.2	650.4	0.6	2.2	788.6	0.9	1.4
		-1.2	1.6		35.6	21.6		-0.7	2.8		51.6	62.3		114.8	29.0
Grand Median		103.5			372.7			62.2			598.8			673.7	
Median Abs Dev		8.0			23.7			5.5			55.0			66.4	
Avg Within Lab SD		3.1			15.8			2.4			28.3			21.3	
Labs Included		32			32			32			32			32	
Labs Reporting		32			32			32			32			32	



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

Mehlich-3, Na (SubTestCode 161)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
26FBY9	18.3	0.1	0.6	40.0	0.2	0.1	10.1	-0.2	0.1	9.4	-0.3	0.1	12.4	-0.2	0.2	
		1.1	1.7		1.6	0.2		-1.4	0.3		-2.9	0.4		-1.4	0.6	
CP6CHY	19.3	0.3	0.2	34.7	-0.4	0.2	16.7	0.6	0.3	20.0	0.8	1.1	18.0	0.7	0.3	
		2.1	0.6		-3.7	0.6		5.2	0.6		7.7	4.0		4.2	1.0	
8MDKJZ	24.7	1.0	1.1	44.0	0.6	0.3	20.3	1.1	0.3	18.0	0.6	0.3	20.3	1.1	0.2	
		7.4	3.5		5.7	1.0		8.9	0.6		5.7	1.0		6.5	0.6	
Q4YHTG	15.0	-0.3	0.1	29.9	-0.9	0.3	12.8	0.2	0.5	10.5	-0.2	0.3	13.9	0.0	0.2	
		-2.2	0.2		-8.5	1.1		1.3	0.9		-1.9	1.1		0.1	0.5	
KQRJHN	16.7	-0.1	0.2	32.7	-0.6	0.2	15.0	0.4	0.5	11.7	-0.1	0.2	16.3	0.4	0.5	
		-0.6	0.6		-5.7	0.6		3.6	1.0		-0.7	0.6		2.5	1.5	
CQF2X6	14.7	-0.3	0.2	42.7	0.4	0.3	9.7	-0.2	0.3	8.7	-0.4	0.2	11.0	-0.5		
		-2.6	0.6		4.3	1.2		-1.8	0.6		-3.7	0.6		-2.8	0.0	
QB3B2R	9.0	-1.1	0.3	20.0	-1.9	0.5	4.3	-0.9	0.3	13.0	0.1	0.3	13.7	0.0	0.2	
		-8.2	1.0		-18.3	2.0		-7.1	0.6		0.7	1.0		-0.1	0.6	
KZGFYV	30.2	1.7	0.7	61.6	2.4	0.5	31.8	2.5	0.8	24.8	1.3	0.6	30.4	2.8	1.0	
		12.9	2.2		23.2	1.8		20.4	1.6		12.5	2.1		16.6	3.1	
UB76AM	10.9	-0.8	0.3	30.3	-0.8	0.2	5.7	-0.7	0.8	5.2	-0.7	0.3	8.0	-1.0	0.3	
		-6.3	0.8		-8.1	0.6		-5.7	1.6		-7.1	1.0		-5.8	0.8	
44U7TF	24.8	1.0		39.5	0.1		24.1	1.5		15.7	0.3		19.8	1.0		
		7.6	0.0		1.1	0.0		12.6	0.0		3.4	0.0		6.0	0.0	
WR44BL	12.6	-0.6	0.0	32.2	-0.6	0.0	6.2	-0.6	0.0	3.9	-0.9		6.2	-1.3	0.0	
		-4.7	0.0		-6.2	0.2		-5.2	0.0		-8.5	0.0		-7.6	0.0	
EDKTTZ	17.9	0.1	0.5	46.3	0.8	1.0	18.6	0.9	0.8	15.5	0.3	0.4	12.4	-0.2	0.5	
		0.6	1.6		8.0	3.5		7.1	1.6		3.2	1.3		-1.4	1.5	
XX43YG	35.0	2.3	1.6	45.3	0.7	1.9	9.2	-0.3	0.2	32.0	2.0	0.3	14.0	0.0	0.3	
		17.8	5.0		7.0	7.0		-2.2	0.4		19.7	1.0		0.2	1.0	
89DUG9	22.0	0.6	0.4	40.0	0.2	0.4	12.3	0.1	0.8	32.6	2.1	0.4	16.3	0.4	0.2	
		4.8	1.3		1.7	1.6		0.8	1.6		20.3	1.3		2.5	0.5	
RKW4MM	15.7	-0.2	0.5	38.0	0.0	1.0	7.7	-0.5	0.3	8.7	-0.4	0.4	12.0	-0.3	0.6	
		-1.6	1.5		-0.3	3.6		-3.8	0.6		-3.7	1.5		-1.8	2.0	
HMD97T	11.1	-0.8	0.1	33.3	-0.5	0.0	4.5	-0.8	0.1	4.3	-0.8	0.0	8.6	-0.9	0.1	
		-6.2	0.2		-5.0	0.1		-6.9	0.2		-8.0	0.1		-5.1	0.2	
7L7UV7	12.7	-0.6	0.5	26.8	-1.2	0.4	22.6	1.4	1.4	5.4	-0.7	0.2	6.6	-1.2	0.2	
		-4.5	1.4		-11.5	1.4		11.2	2.8		-7.0	0.9		-7.2	0.6	
XKF48E	17.8	0.1	3.6	38.7	0.0	3.5	10.6	-0.1	3.6	14.2	0.2	4.1	14.8	0.2	4.1	
		0.6	11.0		0.3	12.9		-0.8	7.1		1.8	14.6		1.0	12.9	
TAEMVG	25.0	1.0	1.0	46.7	0.8	0.6	14.7	0.4	1.1	20.3	0.8	0.2	20.0	1.0	0.6	
		7.8	3.0		8.3	2.1		3.2	2.1		8.0	0.6		6.2	1.7	
Q77MKK	163.1	19.3		299.3	26.5		94.9	10.1		147.9	13.8		180.8	27.8		
		145.8	0.0		261.0	0.0		83.4	0.0		135.6	0.0		167.0	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		
PN7ACJ	14.6	-0.3 -2.6	0.4 1.3	33.8	-0.5 -4.6	0.6 2.1	9.2	-0.3 -2.3	0.6 1.3	6.4	-0.6 -5.9	0.8 2.8	12.0	-0.3 -1.8	0.4 1.4
Grand Median		17.2			38.3			11.5			12.3			13.8	
Median Abs Dev		4.6			5.7			4.5			5.8			2.7	
Avg Within Lab SD		3.1			3.6			2.0			3.6			3.1	
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, S (SubTestCode 162)		in the Mehlich-3 Multi-Element Property Groups										Data units: mg/kg			
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
26FBY9	20.11	1.41	2.01	11.88	0.33	1.51	13.66	1.24	2.29	16.47	1.02	1.13	18.04	1.35	1.35
		5.86	2.41		1.88	1.67		4.62	1.83		6.14	1.81		7.86	1.32
CP6CHY	19.00	1.14	1.45	46.67	6.39	0.52	17.33	2.22	0.72	42.67	5.35	2.37	38.67	4.89	1.57
		4.75	1.73		36.67	0.58		8.30	0.58		32.33	3.79		28.49	1.53
J7BMPT	12.47	-0.43	0.24	8.13	-0.33	0.26	8.50	-0.14	0.62	8.43	-0.31	0.63	7.93	-0.39	0.42
		-1.78	0.29		-1.87	0.29		-0.53	0.50		-1.90	1.01		-2.25	0.40
8MDKJZ	17.33	0.74	0.96	18.67	1.51	0.52	15.33	1.69	0.72	15.33	0.83	0.36	20.00	1.68	1.03
		3.08	1.15		8.67	0.58		6.30	0.58		5.00	0.58		9.82	1.00
Q4YHTG	11.07	-0.76	0.22	15.48	0.95	0.91	7.89	-0.31	0.75	13.71	0.56	0.10	14.51	0.74	0.86
		-3.18	0.26		5.48	1.01		-1.14	0.60		3.38	0.16		4.33	0.84
KQWZGM	16.48	0.54	0.22	9.71	-0.05	0.20	10.31	0.34	0.21	10.32	0.00	0.31	10.50	0.06	0.29
		2.23	0.26		-0.29	0.22		1.28	0.17		-0.02	0.50		0.32	0.28
KQRJHN	10.67	-0.86	0.48	14.33	0.75	0.52	8.00	-0.28		13.00	0.44		12.67	0.43	0.59
		-3.58	0.58		4.33	0.58		-1.03	0.00		2.67	0.00		2.49	0.58
G6NDG2	14.25	0.00	0.18	10.81	0.14	0.42	11.41	0.64	0.15	10.53	0.03	0.16	12.05	0.32	0.14
		0.00	0.22		0.81	0.46		2.37	0.12		0.20	0.25		1.87	0.14
CQF2X6	14.00	-0.06	0.83	10.00	0.00		8.67	-0.10	0.72	9.00	-0.22		9.67	-0.09	0.59
		-0.25	1.00		0.00	0.00		-0.37	0.58		-1.33	0.00		-0.51	0.58
QB3B2R	9.67	-1.10	0.42	7.57	-0.42	0.59	5.27	-1.01	0.44	11.87	0.25	0.22	9.17	-0.17	0.46
		-4.58	0.50		-2.43	0.65		-3.77	0.35		1.53	0.35		-1.01	0.45
KZGFYV	18.99	1.14	1.55	14.61	0.80	0.99	13.07	1.08	1.86	14.36	0.67	0.46	10.18	0.00	0.44
		4.74	1.86		4.61	1.10		4.03	1.49		4.03	0.73		0.00	0.43
UB76AM	11.73	-0.60	0.70	5.73	-0.74	0.19	6.67	-0.63	0.38	7.07	-0.54	0.04	6.93	-0.56	0.73
		-2.52	0.84		-4.27	0.21		-2.37	0.31		-3.27	0.06		-3.25	0.71
JXC9JX	11.90	-0.56	0.00	8.00	-0.35		8.30	-0.20	0.00	7.80	-0.42	0.00	7.60	-0.44	0.00
		-2.35	0.00		-2.00	0.00		-0.73	0.00		-2.53	0.00		-2.58	0.00
44U7TF	22.81	2.05		14.50	0.78		12.57	0.95		14.67	0.72		16.11	1.02	
		8.56	0.00		4.50	0.00		3.54	0.00		4.34	0.00		5.93	0.00
ZEMHEH	18.12	0.93	1.98	15.10	0.89	2.05	12.42	0.91	2.43	16.80	1.07	1.10	15.91	0.98	2.66
		3.87	2.37		5.10	2.27		3.39	1.95		6.46	1.75		5.73	2.59
KXVCQX	11.93	-0.56	0.17	9.47	-0.09	0.19	9.33	0.08	0.26	9.13	-0.20	0.07	10.03	-0.03	0.63
		-2.32	0.21		-0.53	0.21		0.30	0.21		-1.20	0.12		-0.15	0.61
WR44BL	12.22	-0.49	0.00	7.33	-0.47	0.01	8.00	-0.28	0.01	8.00	-0.39		9.00	-0.20	
		-2.03	0.01		-2.67	0.01		-1.03	0.01		-2.33	0.00		-1.18	0.00
EDKTTZ	15.70	0.35	1.70	10.78	0.14	1.11	14.73	1.53	1.61	17.23	1.14	2.05	15.29	0.88	2.43
		1.45	2.03		0.78	1.23		5.69	1.29		6.90	3.27		5.11	2.36
XX43YG	38.33	5.78	5.56	46.67	6.39	1.38	30.33	5.71	7.21	48.67	6.34	6.28	43.00	5.63	5.45
		24.08	6.66		36.67	1.53		21.30	5.77		38.33	10.02		32.82	5.29
89DUG9	13.29	-0.23	0.08	8.35	-0.29	0.17	7.14	-0.51	0.17	8.45	-0.31	0.07	6.95	-0.55	0.07
		-0.96	0.10		-1.65	0.19		-1.89	0.13		-1.89	0.11		-3.23	0.07



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
HMD97T	15.05	0.19	0.22	9.07	-0.16	0.12	8.74	-0.08	0.06	6.80	-0.58	0.06	9.15	-0.18	0.08
		0.80	0.27		-0.93	0.13		-0.29	0.05		-3.53	0.10		-1.03	0.08
7L7UV7	13.20	-0.25	0.68	8.27	-0.30	1.13	9.03	0.00	0.07	8.13	-0.36	0.28	8.50	-0.29	0.37
		-1.05	0.82		-1.73	1.25		0.00	0.06		-2.20	0.45		-1.68	0.36
XKF48E	11.23	-0.72	0.86	6.87	-0.55	0.55	6.77	-0.61	0.59	7.87	-0.41	0.36	7.30	-0.49	0.64
		-3.02	1.03		-3.13	0.60		-2.27	0.47		-2.47	0.57		-2.88	0.62
TAEMVG	14.67	0.10	0.48	10.00	0.00	0.90	7.67	-0.37	0.72	10.33	0.00	0.96	8.33	-0.32	0.59
		0.42	0.58		0.00	1.00		-1.37	0.58		0.00	1.53		-1.85	0.58
HNU6YT	14.50	0.06	0.55	10.10	0.02	0.24	9.90	0.23	0.54	9.56	-0.13	0.32	10.23	0.01	0.63
		0.25	0.66		0.10	0.26		0.87	0.44		-0.77	0.51		0.05	0.61
PN7ACJ	20.90	1.60	2.27	12.38	0.41	3.38	14.46	1.45	1.91	15.83	0.91	3.24	14.89	0.81	1.50
		6.65	2.72		2.38	3.74		5.43	1.53		5.49	5.17		4.71	1.45
Grand Median		14.3			10.00			9.03			10.3			10.2	
Median Abs Dev		2.4			2.00			1.89			2.5			2.5	
Avg Within Lab SD		1.2			1.11			0.80			1.6			1.0	
Labs Included		25			25			25			25			25	
Labs Reporting		25			25			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	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
26FBY9	838.1	0.0	0.3	468.5	-0.2	0.2	587.1	0.2	1.3	605.3	-0.6	0.4	808.2	-0.5	0.4		
		3.9	15.9		-30.2	6.8		25.8	23.9		-67.1	18.9		-74.1	20.3		
8MDKJZ	1,699.3	3.9	0.2	156.3	-2.6	0.2	491.0	-0.6	0.4	659.0	-0.1	0.1	909.3	0.2	0.3		
		865.1	12.9		-342.3	7.6		-70.2	8.0		-13.4	5.6		27.0	14.0		
CQF2X6	939.7	0.5	0.1	570.3	0.6	0.4	723.7	1.4	0.8	685.7	0.1	0.1	935.0	0.4	0.1		
		105.4	6.5		71.7	13.7		162.4	14.0		13.3	3.1		52.7	7.2		
QB3B2R	633.7	-0.9	0.1	434.0	-0.5	0.2	347.3	-1.9	0.3	696.3	0.2	0.3	741.0	-1.0	0.2		
		-200.6	7.4		-64.7	8.9		-213.9	4.7		24.0	15.6		-141.3	12.5		
UB76AM	702.3	-0.6	0.4	388.0	-0.9	0.1	518.0	-0.4	0.6	530.0	-1.2	0.3	711.7	-1.2	0.5		
		-131.9	21.8		-110.7	5.3		-43.2	10.6		-142.4	13.9		-170.6	27.9		
ZEMHEH	826.7	0.0	0.9	531.8	0.3	1.2	471.4	-0.8	0.5	683.4	0.1	0.7	858.8	-0.2	0.1		
		-7.5	53.4		33.1	43.2		-89.9	8.5		11.1	36.4		-23.5	3.7		
WR44BL	678.0	-0.7		378.0	-0.9	0.0	504.0	-0.5	0.1	508.7	-1.4	0.0	705.2	-1.2	0.0		
		-156.2	0.0		-120.7	1.0		-57.2	1.0		-163.7	0.6		-177.1	0.3		
EDKTTZ	917.3	0.4	0.3	531.9	0.3	0.2	626.0	0.6	1.1	743.7	0.6	0.2	980.6	0.7	0.6		
		83.0	16.1		33.2	8.8		64.8	19.0		71.4	10.7		98.4	31.1		
XX43YG	1,041.0	0.9	1.7	662.7	1.3	2.4	589.3	0.2	1.8	872.3	1.7	1.2	970.3	0.6	0.1		
		206.8	96.4		164.0	88.2		28.1	32.5		200.0	62.1		88.0	4.5		
HMD97T	830.4	0.0	0.1	533.4	0.3	0.1	553.9	-0.1	0.8	647.8	-0.2	0.2	905.8	0.2	0.2		
		-3.9	6.6		34.7	3.6		-7.3	14.8		-24.6	11.9		23.5	8.4		
XKF48E	998.9	0.7	2.7	573.8	0.6	2.4	648.7	0.8	0.7	872.5	1.7	3.0	1,048.0	1.1	3.4		
		164.6	155.4		75.1	90.0		87.5	13.2		200.1	155.5		165.7	174.2		
TAEMVG	783.0	-0.2	1.1	446.0	-0.4	0.6	433.7	-1.1	1.0	661.3	-0.1	1.4	693.0	-1.3	0.4		
		-51.2	60.1		-52.7	22.7		-127.6	18.0		-11.1	74.3		-189.3	19.1		
HNU6YT	755.1	-0.4	1.1	441.9	-0.4	0.3	568.6	0.1	1.7	536.9	-1.2	0.4	745.8	-0.9	1.1		
		-79.1	63.5		-56.7	11.6		7.3	30.8		-135.5	23.2		-136.5	55.8		
Q77MKK	2,705.6	8.5		2,189.0	13.1		2,265.8	14.8		2,473.3	15.5		3,016.8	14.4			
		1,871.4	0.0		1,690.3	0.0		1,704.6	0.0		1,800.9	0.0		2,134.6	0.0		
PN7ACJ	863.4	0.1	0.4	528.9	0.2	0.6	662.6	0.9	1.1	690.4	0.2	0.8	913.7	0.2	0.3		
		29.2	23.2		30.2	21.5		101.3	20.1		18.0	42.1		31.4	14.4		
Grand Median		834.2			498.7			561.2			672.4			882.3			
Median Abs Dev		94.2			60.7			67.5			45.8			93.2			
Avg Within Lab SD		57.2			37.2			18.0			52.3			51.2			
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		

Mehlich-3, Zn (SubTestCode 164)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515					
26FBY9	1.86	0.30	0.61	2.61	0.36	0.47	1.94	0.85	0.47	21.30	0.11	1.02	0.98	0.03	0.26		
		0.08	0.09		0.11	0.08		0.25	0.06		0.44	1.19		0.01	0.04		
CP6CHY	1.60	-0.70	1.98	2.50	-0.01	0.00	1.77	0.25	0.45	9.90	-2.71	0.00	1.07	0.31	0.37		
		-0.18	0.30		0.00	0.00		0.07	0.06		-10.96	0.00		0.09	0.06		
J7BMPT	1.67	-0.44	0.76	2.37	-0.43	0.65	1.90	0.71	0.78	18.23	-0.65	0.47	1.03	0.19	0.37		
		-0.11	0.12		-0.14	0.12		0.21	0.10		-2.62	0.55		0.06	0.06		
8MDKJZ	1.57	-0.83	0.38	2.27	-0.75	0.32	1.70	0.02	0.78	19.03	-0.45	0.13	0.91	-0.21	0.16		
		-0.21	0.06		-0.24	0.06		0.01	0.10		-1.82	0.15		-0.06	0.03		
Q4YHTG	1.70	-0.32	0.63	2.59	0.29	0.84	1.69	-0.02	1.38	13.74	-1.76	0.55	1.58	2.02	0.55		
		-0.08	0.10		0.09	0.15		-0.01	0.18		-7.12	0.65		0.61	0.09		
KQWZGM	2.20	1.66	0.99	2.77	0.87	0.98	1.67	-0.07	0.12	25.22	1.08	0.23	0.94	-0.13	0.16		
		0.42	0.15		0.27	0.17		-0.02	0.02		4.36	0.27		-0.04	0.02		
KQRJHN	1.73	-0.20	0.25	2.52	0.07	0.06	1.81	0.39	0.12	18.33	-0.62	0.49	0.92	-0.18	0.13		
		-0.05	0.04		0.02	0.01		0.11	0.02		-2.52	0.58		-0.06	0.02		
G6NDG2	1.58	-0.77	0.27	2.10	-1.27	0.66	1.67	-0.09	0.04	19.87	-0.24	0.41	0.86	-0.40	0.20		
		-0.20	0.04		-0.40	0.12		-0.03	0.01		-0.99	0.48		-0.12	0.03		
CQF2X6	1.83	0.21	1.01	2.80	0.95	0.56	1.87	0.60	0.45	24.43	0.88	0.35	1.80	2.75	0.65		
		0.05	0.15		0.30	0.10		0.17	0.06		3.58	0.40		0.83	0.10		
QB3B2R	1.47	-1.21	0.50	2.19	-1.01	0.39	1.21	-1.67	0.16	17.08	-0.93	0.32	1.26	0.94	3.51		
		-0.31	0.08		-0.32	0.07		-0.49	0.02		-3.78	0.37		0.28	0.54		
KZGFYV	1.73	-0.20	0.20	2.26	-0.78	0.34	1.46	-0.79	0.91	21.37	0.13	0.62	0.81	-0.55	0.23		
		-0.05	0.03		-0.25	0.06		-0.23	0.12		0.51	0.72		-0.17	0.04		
UB76AM	1.80	0.07	0.63	2.33	-0.54	0.99	2.06	1.25	0.35	18.30	-0.63	0.27	1.37	1.33	0.23		
		0.02	0.10		-0.17	0.18		0.36	0.05		-2.56	0.32		0.40	0.04		
JXC9JX	1.33	-1.76	0.00	2.02	-1.54	0.00	1.54	-0.53	0.00	16.54	-1.07	0.00	0.70	-0.92	0.00		
		-0.45	0.00		-0.48	0.00		-0.15	0.00		-4.32	0.00		-0.28	0.00		
44U7TF	6.45	18.31		8.35	18.65		5.33	12.49		62.03	10.17		4.00	10.09			
		4.67	0.00		5.84	0.00		3.64	0.00		41.17	0.00		3.03	0.00		
ZEMHEH	1.77	-0.02	0.85	2.48	-0.08	0.13	1.44	-0.89	0.91	22.88	0.50	0.79	0.77	-0.68	0.08		
		0.00	0.13		-0.02	0.02		-0.26	0.12		2.02	0.92		-0.21	0.01		
KXVCQX	1.54	-0.95	0.40	2.26	-0.77	0.15	1.86	0.57	0.27	18.37	-0.61	0.39	0.97	-0.03	0.04		
		-0.24	0.06		-0.24	0.03		0.17	0.03		-2.49	0.45		-0.01	0.01		
WR44BL	1.44	-1.34	0.04	1.89	-1.94	0.03	1.54	-0.53	0.13	16.71	-1.02	0.00	0.78	-0.66	0.01		
		-0.34	0.01		-0.61	0.01		-0.15	0.02		-4.14	0.01		-0.20	0.00		
EDKTTZ	2.12	1.34	0.24	2.91	1.29	0.75	1.77	0.26	1.14	21.97	0.27	0.46	1.37	1.33	0.23		
		0.34	0.04		0.41	0.13		0.08	0.15		1.11	0.53		0.40	0.04		
XX43YG	1.99	0.83	1.74	2.59	0.27	3.96	1.33	-1.25	3.46	25.33	1.11	1.78	0.60	-1.24	2.65		
		0.21	0.26		0.09	0.71		-0.36	0.45		4.48	2.08		-0.37	0.41		
89DUG9	2.05	1.05	0.23	2.71	0.68	0.18	1.58	-0.40	0.35	21.42	0.14	0.39	1.22	0.83	0.10		
		0.27	0.04		0.21	0.03		-0.12	0.05		0.56	0.46		0.25	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		
HMD97T	1.89	0.42	0.09	2.83	1.06	0.13	1.97	0.94	0.47	21.89	0.26	0.50	1.02	0.16	0.20
		0.11	0.01		0.33	0.02		0.27	0.06		1.03	0.58		0.05	0.03
XKF48E	1.90	0.47	3.02	2.27	-0.75	1.41	1.53	-0.55	0.90	21.87	0.25	0.83	0.87	-0.36	1.50
		0.12	0.46		-0.24	0.25		-0.16	0.12		1.01	0.97		-0.11	0.23
TAEMVG	1.89	0.44	0.64	2.51	0.04	0.93	1.53	-0.56	0.67	23.03	0.54	3.71	0.88	-0.33	0.15
		0.11	0.10		0.01	0.17		-0.16	0.09		2.17	4.34		-0.10	0.02
HNU6YT	1.94	0.62	1.47	2.50	0.01	0.62	2.17	1.63	1.87	20.41	-0.11	0.93	1.11	0.45	0.94
		0.16	0.22		0.00	0.11		0.47	0.24		-0.44	1.09		0.14	0.15
Q77MKK	8.47	26.24		4.17	5.32		5.23	12.14		40.06	4.74		3.29	7.72	
		6.69	0.00		1.67	0.00		3.54	0.00		19.20	0.00		2.32	0.00
PN7ACJ	1.78	0.02	0.20	2.64	0.45	0.09	2.10	1.39	0.12	21.37	0.13	1.19	1.03	0.17	0.36
		0.00	0.03		0.14	0.02		0.40	0.02		0.51	1.39		0.05	0.06
Grand Median		1.78			2.50			1.69			20.9			0.98	
Median Abs Dev		0.14			0.22			0.17			2.3			0.13	
Avg Within Lab SD		0.15			0.18			0.13			1.2			0.15	
Labs Included		24			24			24			24			24	
Labs Reporting		24			24			24			24			24	



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

Mehlich-3, Mn (SubTestCode 165)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
26FBY9	46.8	0.3	0.3	91.8	0.1	0.3	44.6	0.0	0.5	133.6	0.4	0.5	149.7	0.3	0.2	
		3.1	0.6		2.1	1.2		0.0	1.4		15.6	3.5		10.4	4.1	
CP6CHY	46.3	0.2	0.7	95.3	0.2	0.8	49.0	0.4	1.3	138.7	0.5	1.4	147.0	0.2	0.4	
		2.7	1.5		5.6	3.8		4.5	3.6		20.7	9.0		7.7	7.5	
J7BMPT	40.3	-0.3	0.3	80.0	-0.4	0.4	46.7	0.2	0.7	112.0	-0.1	0.8	130.3	-0.3	0.2	
		-3.3	0.6		-9.7	1.7		2.1	2.1		-6.0	5.0		-9.0	3.5	
8MDKJZ	43.7	0.0	0.7	91.3	0.1	0.3	48.3	0.4	1.1	139.7	0.5	3.6	152.3	0.4	0.4	
		0.0	1.5		1.6	1.5		3.8	3.1		21.7	23.7		13.0	8.7	
Q4YHTG	38.8	-0.4	0.1	74.5	-0.6	0.3	37.0	-0.7	0.2	104.5	-0.3	0.7	114.7	-0.7	0.1	
		-4.9	0.3		-15.2	1.2		-7.6	0.6		-13.5	4.5		-24.6	1.7	
KQWZGM	47.6	0.3	0.2	88.0	-0.1	0.0	42.7	-0.2	0.1	134.5	0.4	0.3	145.3	0.2	0.2	
		4.0	0.4		-1.7	0.2		-1.8	0.2		16.5	2.3		6.0	3.2	
KQRJHN	43.7	0.0	1.1	93.3	0.1	0.5	40.3	-0.4	0.5	118.0	0.0		134.7	-0.1	0.1	
		0.0	2.5		3.6	2.3		-4.2	1.5		0.0	0.0		-4.6	1.2	
G6NDG2	40.3	-0.3	0.0	74.0	-0.6	0.1	41.9	-0.3	0.2	104.8	-0.3	0.1	139.3	0.0	0.2	
		-3.4	0.0		-15.7	0.4		-2.6	0.4		-13.2	0.4		0.0	3.3	
CQF2X6	36.0	-0.6		71.7	-0.7	0.1	42.7	-0.2	0.2	94.0	-0.6		111.3	-0.8	0.1	
		-7.7	0.0		-18.1	0.6		-1.9	0.6		-24.0	0.0		-28.0	2.5	
QB3B2R	24.9	-1.5	0.4	58.7	-1.2	0.3	28.5	-1.6	0.3	83.9	-0.8	0.2	106.7	-0.9	0.1	
		-18.8	1.0		-31.1	1.6		-16.1	0.9		-34.1	1.4		-32.6	2.1	
KZGFYV	45.6	0.2	0.5	97.3	0.3	0.4	46.7	0.2	0.7	151.1	0.8	0.6	149.0	0.3	0.1	
		1.9	1.0		7.6	1.7		2.2	2.1		33.1	4.1		9.7	2.8	
UB76AM	38.5	-0.4	0.6	71.3	-0.7	0.3	38.4	-0.6	0.1	109.0	-0.2	0.5	123.0	-0.5	0.2	
		-5.2	1.3		-18.4	1.5		-6.2	0.3		-9.0	3.6		-16.3	3.6	
JXC9JX	30.9	-1.0	0.0	60.3	-1.2	0.0	29.2	-1.5	0.0	80.6	-0.9	0.0	105.0	-1.0	0.0	
		-12.8	0.0		-29.5	0.0		-15.4	0.0		-37.4	0.0		-34.3	0.0	
44U7TF	75.0	2.6		140.3	2.0		64.4	1.9		214.2	2.4		221.4	2.3		
		31.4	0.0		50.6	0.0		19.8	0.0		96.2	0.0		82.1	0.0	
ZEMHEH	57.6	1.1	2.7	117.3	1.1	2.3	50.4	0.6	0.7	182.3	1.6	0.6	165.8	0.7	0.3	
		13.9	6.1		27.6	10.2		5.9	2.0		64.3	4.3		26.5	5.6	
KXVCQX	41.0	-0.2	0.2	91.1	0.1	0.3	51.1	0.6	0.3	107.3	-0.3	0.5	114.2	-0.7	4.8	
		-2.6	0.5		1.4	1.4		6.6	0.8		-10.7	3.1		-25.1	97.6	
WR44BL	39.3	-0.4	0.0	71.7	-0.7	0.0	35.1	-0.9	0.0	107.7	-0.3	0.1	129.0	-0.3	0.0	
		-4.3	0.0		-18.1	0.0		-9.4	0.0		-10.3	0.6		-10.3	1.0	
EDKTTZ	52.3	0.7	0.1	103.9	0.6	0.4	43.9	-0.1	0.5	159.2	1.0	0.1	182.2	1.2	0.4	
		8.6	0.3		14.2	1.9		-0.6	1.3		41.2	1.0		42.9	8.0	
XX43YG	51.3	0.6	2.0	120.3	1.2	2.5	51.3	0.7	2.3	166.3	1.2	1.1	165.3	0.7	0.4	
		7.6	4.5		30.6	11.4		6.8	6.4		48.3	7.6		26.0	8.5	
HMD97T	54.0	0.8	0.2	114.9	1.0	0.1	51.4	0.7	0.6	151.4	0.8	0.5	180.2	1.1	0.1	
		10.3	0.6		25.1	0.6		6.8	1.8		33.4	3.5		40.9	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		
7L7UV7	72.9	2.4	2.3	136.6	1.8	2.4	66.9	2.2	3.1	178.7	1.5	0.9	208.2	1.9	0.1
		29.2	5.2		46.8	11.0		22.3	8.6		60.7	6.1		68.9	3.0
XKF48E	32.8	-0.9	1.6	74.6	-0.6	2.1	35.7	-0.9	1.3	102.6	-0.4	1.8	133.3	-0.2	0.7
		-10.9	3.5		-15.1	9.7		-8.9	3.5		-15.4	12.1		-6.0	13.7
TAEMVG	32.0	-1.0	0.8	72.7	-0.7	0.7	32.0	-1.2	1.2	97.7	-0.5	1.1	115.7	-0.7	0.1
		-11.7	1.7		-17.1	3.2		-12.6	3.5		-20.3	7.4		-23.6	2.1
HNU6YT	48.0	0.4	1.4	65.3	-1.0	0.6	47.1	0.2	1.0	82.2	-0.9	0.7	95.3	-1.2	0.2
		4.3	3.2		-24.4	2.5		2.6	2.7		-35.8	4.7		-44.0	4.0
Q77MKK	237.7	15.9		336.5	9.7		186.6	13.9		723.2	14.9		743.7	16.9	
		194.1	0.0		246.8	0.0		142.1	0.0		605.2	0.0		604.4	0.0
PN7ACJ	40.6	-0.3	0.2	89.7	0.0	0.3	46.6	0.2	0.5	120.1	0.1	0.4	149.5	0.3	0.3
		-3.1	0.5		0.0	1.4		2.0	1.3		2.1	2.6		10.2	6.3
Grand Median		43.7			89.7			44.6			118.0			139.3	
Median Abs Dev		4.9			15.7			5.9			20.7			23.6	
Avg Within Lab SD		2.3			4.5			2.8			6.6			20.2	
Labs Included		25			25			25			25			25	
Labs Reporting		25			25			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	Sample Mean	Z Score	k Score	Sample Mean	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		
SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
26FBY9	315.9	0.2 15.9	0.2 2.7	73.1	-0.1 -2.6 0.6	0.5 3.0 0.9	88.4	0.3 6.4 0.7	0.6 3.3 1.0	135.9	-0.1 -2.9 0.3	0.4 3.3 1.2	152.2	0.1 2.6 0.3	0.3 2.3 0.8
CP6CHY				89.0	13.3 -0.5	5.3 0.5	95.3	13.3 0.4	5.0 0.3	150.0	11.2 -0.3	9.5 0.4	160.0	10.4 -0.2	6.1 0.9
8MDKJZ	276.0	-0.3 -24.1	0.4 7.5	64.0	-11.7 3.0	3.0 0.4	89.3	7.3 0.0	1.5 0.6	127.7	-11.1 -0.4	3.2 0.5	141.3	-8.3 -0.3	6.5 0.2
Q4YHTG	281.4	-0.2 -18.7	0.3 5.1	78.2	0.1 2.6	0.4 2.4	81.1	-1.0 -0.2	3.4 0.1	123.8	-15.0 -0.1	4.0 0.4	139.0	-10.6 -0.5	1.7 0.4
KQWZGM	300.1	0.0 0.0	0.4 6.9	65.4	-0.5 -10.3	0.1 0.5	77.5	-0.2 -4.5	0.1 0.3	135.6	-0.1 -3.2	0.4 3.0	132.7	-16.9 -0.1	3.4 0.3
KQRJHN	319.0	0.2 18.9	1.1 18.5	78.7	0.1 3.0	0.5 2.9	82.7	0.0 0.6	0.5 2.9	131.3	-0.2 -7.5	0.3 2.1	145.3	-0.1 -4.3	0.3 2.1
G6NDG2	246.2	-0.7 -53.9	0.8 13.4	58.6	-0.8 -17.0	0.1 0.5	79.1	-0.1 -2.9	0.1 0.5	108.4	-0.9 -30.4	0.1 1.0	137.8	-0.3 -11.8	0.2 1.8
CQF2X6	125.3	-2.2 -174.7	0.1 2.5	51.7	-1.1 -24.0	0.1 0.6	54.3	-1.4 -27.7	0.1 0.6	69.3	-2.0 -69.5	0.1 0.6	78.0	-1.9 -71.6	0.1 1.0
QB3B2R	244.3	-0.7 -55.7	0.3 5.9	82.0	0.3 6.3	0.5 3.0	60.7	-1.1 -21.4	0.3 1.5	156.7	0.5 17.9	0.5 4.0	146.3	-0.1 -3.3	0.7 4.9
KZGFYV	328.7	0.4 28.6	0.6 9.7	78.3	0.1 2.7	0.3 1.7	81.4	0.0 -0.6	0.4 2.3	150.7	0.3 11.9	0.7 5.3	157.3	0.2 7.7	1.1 8.1
UB76AM	255.3	-0.6 -44.7	0.6 10.5	60.1	-0.7 -15.6	0.4 2.2	69.7	-0.6 -12.3	0.0 0.1	111.7	-0.8 -27.1	0.1 0.6	127.3	-0.6 -22.3	0.2 1.5
JXC9JX	212.8	-1.1 -87.3	0.0	50.7	-1.1 -25.0	0.0 0.0	56.9	-1.3 -25.1	0.0 0.0	96.7	-1.2 -42.1	0.0 0.0	107.3	-1.1 -42.4	0.0 0.0
44U7TF	469.5	2.2 169.4	0.0	131.5	2.5 55.8	0.0	127.3	2.3 45.3	0.0	219.7	2.3 80.9	0.0	247.4	2.6 97.8	0.0
ZEMHEH	339.4	0.5 39.3	0.7 12.5	91.9	0.7 16.2	1.2 6.9	87.3	0.3 5.3	0.6 3.1	170.0	0.9 31.2	1.1 8.6	171.4	0.6 21.8	1.1 8.6
KXVCQX	320.0	0.3 19.9	0.3 4.6	83.7	0.4 8.0	0.1 0.6	101.3	1.0 19.3	0.2 1.2	141.7	0.1 2.9	0.5 4.0	172.7	0.6 23.0	0.8 6.0
WR44BL	252.7	-0.6 -47.4	0.0 0.6	59.6	-0.7 -16.1	0.0 0.0	71.0	-0.6 -11.0	0.0 0.1	111.3	-0.8 -27.5	0.1 0.6	130.0	-0.5 -19.6	0.0
EDKTTZ	328.1	0.4 28.0	0.2 4.0	63.8	-0.5 -11.9	0.5 2.8	73.8	-0.4 -8.3	0.5 2.7	144.2	0.2 5.4	0.2 1.3	159.8	0.3 10.2	0.9 6.5
XX43YG	398.0	1.3 97.9	2.3 39.0	119.7	2.0 44.0	3.7 21.2	110.0	1.4 28.0	2.8 14.5	202.7	1.8 63.9	2.9 22.0	194.3	1.2 44.7	2.1 15.6
HMD97T	341.6	0.5 41.6	0.1 1.6	93.0	0.8 17.4	0.1 0.8	84.8	0.1 2.8	0.4 2.3	155.1	0.5 16.3	0.3 2.3	185.4	1.0 35.7	0.1 0.8
7L7UV7	434.8	1.7 134.7	1.7 29.4	107.0	1.4 31.3	1.4 7.9	116.5	1.8 34.4	2.7 14.0	196.4	1.7 57.6	1.4 10.8	219.9	1.9 70.2	1.7 13.0



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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		
XKF48E	255.1	-0.6	1.2	71.9	-0.2	1.9	77.7	-0.2	1.3	130.6	-0.2	1.7	147.1	-0.1	2.4
		-45.0	20.5		-3.8	10.9		-4.3	6.9		-8.2	12.6		-2.6	17.7
TAEMVG	246.0	-0.7	0.8	64.0	-0.5	0.5	58.7	-1.2	1.0	125.3	-0.4	1.7	120.7	-0.8	0.4
		-54.1	13.0		-11.7	2.6		-23.4	5.5		-13.5	13.1		-29.0	3.1
HNU6YT	305.6	0.1	2.9	68.2	-0.3	0.8	86.7	0.2	1.7	142.7	0.1	1.6	170.5	0.6	2.2
		5.5	49.2		-7.5	4.5		4.6	9.2		3.9	12.4		20.9	16.5
Q77MKK	769.4	6.0		643.0	25.5		560.7	24.5		768.1	18.0		776.7	16.9	
		469.4	0.0		567.4	0.0		478.6	0.0		629.3	0.0		627.1	0.0
PN7ACJ	295.7	-0.1	0.4	78.2	0.1	0.6	89.1	0.4	0.5	142.7	0.1	0.7	163.7	0.4	0.2
		-4.4	7.5		2.6	3.4		7.1	2.6		3.9	5.5		14.1	1.3
Grand Median		300.1			75.7			82.0			138.8			149.6	
Median Abs Dev		41.6			11.8			7.8			14.2			18.3	
Avg Within Lab SD		16.9			5.8			5.3			7.6			7.5	
Labs Included		23			24			24			24			24	
Labs Reporting		23			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		

Mehlich-3, Cu (SubTestCode 167)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
26FBY9	2.23	0.61	0.65	1.25	0.06	0.39	0.43	0.21	0.19	1.89	0.40	0.52	2.05	0.33	0.39	
		0.25	0.06		0.01	0.03		0.03	0.01		0.13	0.07		0.10	0.05	
CP6CHY	2.30	0.78	0.00	1.23	0.00	0.78	0.40	0.00	0.00	1.77	0.02	0.45	2.13	0.62	0.95	
		0.33	0.00		0.00	0.06		0.00	0.00		0.01	0.06		0.19	0.12	
J7BMPT	1.80	-0.41	0.00	1.23	0.00	0.78	0.43	0.21	0.95	1.50	-0.77		1.67	-0.91	0.48	
		-0.17	0.00		0.00	0.06		0.03	0.06		-0.26	0.00		-0.28	0.06	
8MDKJZ	1.67	-0.73	0.50	1.04	-0.92	0.71	0.35	-0.29	0.58	1.57	-0.57	0.43	1.69	-0.83	0.30	
		-0.30	0.04		-0.19	0.05		-0.05	0.04		-0.19	0.06		-0.25	0.04	
Q4YHTG	1.75	-0.54	0.17	1.00	-1.12	0.23	0.33	-0.44	0.57	1.42	-1.01	0.36	1.62	-1.07	0.17	
		-0.23	0.02		-0.23	0.02		-0.07	0.03		-0.34	0.05		-0.33	0.02	
KQWZGM	2.33	0.85	0.34	1.26	0.11	1.08	0.29	-0.66	0.05	2.05	0.85	0.18	1.90	-0.14	0.21	
		0.36	0.03		0.02	0.08		-0.11	0.00		0.29	0.02		-0.04	0.03	
KQRJHN	2.14	0.39	0.24	1.33	0.48	0.39	0.48	0.52	0.10	1.75	-0.02	0.25	2.00	0.18	0.22	
		0.16	0.02		0.10	0.03		0.08	0.01		-0.01	0.03		0.06	0.03	
G6NDG2	1.78	-0.46	1.27	0.96	-1.32	0.37	0.29	-0.66	0.18	1.43	-0.98	0.41	1.83	-0.39	0.48	
		-0.19	0.11		-0.28	0.03		-0.11	0.01		-0.33	0.05		-0.12	0.06	
CQF2X6	1.73	-0.57	0.66	1.07	-0.80	0.78	0.37	-0.21	0.95	1.40	-1.07	0.00	1.70	-0.80	0.00	
		-0.24	0.06		-0.17	0.06		-0.03	0.06		-0.36	0.00		-0.24	0.00	
QB3B2R	1.10	-2.09	0.11	1.13	-0.49	0.54	0.34	-0.38	0.33	1.53	-0.70	0.35	1.73	-0.70	0.29	
		-0.87	0.01		-0.10	0.04		-0.06	0.02		-0.23	0.05		-0.21	0.03	
KZGFYV	2.27	0.70	0.35	1.47	1.12	0.66	0.49	0.54	0.58	2.07	0.93	0.12	2.15	0.68	0.27	
		0.29	0.03		0.23	0.05		0.09	0.04		0.31	0.02		0.21	0.03	
UB76AM	1.97	0.00	0.29	1.02	-1.04	0.68	0.40	0.02	0.82	1.48	-0.82	0.20	1.73	-0.70	0.44	
		0.00	0.03		-0.22	0.05		0.00	0.05		-0.28	0.03		-0.21	0.05	
JXC9JX	1.87	-0.25	0.00	1.20	-0.16	0.00	0.54	0.88	0.00	1.59	-0.51	0.00	1.71	-0.77	0.00	
		-0.10	0.00		-0.03	0.00		0.14	0.00		-0.17	0.00		-0.23	0.00	
44U7TF	6.68	11.26		4.80	17.06		2.09	10.59		5.93	12.42		6.78	15.82		
		4.71	0.00		3.57	0.00		1.69	0.00		4.17	0.00		4.83	0.00	
ZEMHEH	1.91	-0.15	1.25	1.35	0.58	1.75	0.22	-1.10	1.18	1.99	0.69	0.52	1.96	0.04	1.55	
		-0.06	0.11		0.12	0.13		-0.18	0.07		0.23	0.07		0.01	0.19	
KXVCQX	2.06	0.21	0.46	1.23	0.00	0.16	0.45	0.33	0.85	1.70	-0.17	0.47	2.02	0.23	0.21	
		0.09	0.04		0.00	0.01		0.05	0.05		-0.06	0.06		0.07	0.03	
WR44BL	1.59	-0.91	0.07	0.93	-1.46	0.00	0.28	-0.74	0.02	1.38	-1.12	0.05	1.68	-0.86	0.01	
		-0.38	0.01		-0.31	0.00		-0.12	0.00		-0.38	0.01		-0.26	0.00	
EDKTTZ	2.24	0.63	0.54	1.26	0.14	0.68	0.35	-0.33	0.25	2.02	0.76	0.23	2.29	1.14	0.92	
		0.26	0.05		0.03	0.05		-0.05	0.02		0.26	0.03		0.35	0.11	
XX43YG	1.84	-0.31	2.28	1.43	0.96	1.05	0.22	-1.13	2.06	2.22	1.37	3.00	2.16	0.72	3.13	
		-0.13	0.20		0.20	0.08		-0.18	0.12		0.46	0.38		0.22	0.38	
89DUG9	2.29	0.76	0.20	1.63	1.91	0.54	0.63	1.44	0.44	2.13	1.10	0.28	2.04	0.30	0.17	
		0.32	0.02		0.40	0.04		0.23	0.03		0.37	0.04		0.09	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		
HMD97T	2.46	1.16	0.54	1.60	1.75	1.11	0.42	0.15	0.33	2.08	0.95	0.73	2.76	2.66	0.54
		0.49	0.05		0.37	0.08		0.02	0.02		0.32	0.09		0.81	0.07
XKF48E	1.70	-0.65	2.28	1.17	-0.32	2.06	0.33	-0.42	0.95	1.70	-0.18	0.78	1.93	-0.04	1.72
		-0.27	0.20		-0.07	0.15		-0.07	0.06		-0.06	0.10		-0.01	0.21
TAEMVG	2.05	0.18	1.08	1.23	-0.03	1.25	0.33	-0.46	0.50	1.88	0.37	2.51	1.78	-0.53	0.34
		0.07	0.10		-0.01	0.09		-0.07	0.03		0.12	0.32		-0.16	0.04
HNU6YT	2.37	0.94	2.67	1.40	0.78	2.57	0.61	1.32	3.65	1.82	0.19	1.80	2.15	0.67	2.15
		0.39	0.23		0.16	0.19		0.21	0.22		0.06	0.23		0.21	0.26
Q77MKK	1.12	-2.04					1.10	4.39							
		-0.85	0.00					0.70	0.00						
PN7ACJ	2.20	0.55	0.92	1.37	0.64	0.51	0.40	0.02	0.34	1.97	0.63	1.58	2.21	0.87	0.93
		0.23	0.08		0.13	0.04		0.00	0.02		0.21	0.20		0.27	0.11
Grand Median		1.97			1.23			0.40			1.76			1.94	
Median Abs Dev		0.25			0.13			0.07			0.25			0.21	
Avg Within Lab SD		0.09			0.07			0.06			0.13			0.12	
Labs Included		25			24			25			24			24	
Labs Reporting		25			24			25			24			24	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
26FBY9	0.41	0.22	0.94	0.70	0.64	0.86	0.33	0.27	0.12	1.13	0.33	0.81	0.34	0.00	0.32
		0.05	0.04		0.11	0.05		0.03	0.01		0.10	0.08		0.00	0.02
CP6CHY	1.17	3.56	1.30	1.30	4.04	3.24	0.77	3.97	1.19	1.70	2.17	1.07	1.03	4.16	0.90
		0.81	0.06		0.71	0.17		0.47	0.06		0.67	0.10		0.69	0.06
8MDKJZ	0.34	-0.09	0.35	0.65	0.36	0.75	0.29	-0.04	0.21	0.80	-0.73	0.54	0.38	0.20	0.39
		-0.02	0.02		0.06	0.04		-0.01	0.01		-0.23	0.05		0.03	0.03
Q4YHTG	0.52	0.71	0.13	0.56	-0.15	0.32	0.32	0.24	0.12	0.85	-0.58	0.39	0.40	0.34	0.16
		0.16	0.01		-0.03	0.02		0.03	0.01		-0.18	0.04		0.06	0.01
KQWZGM	0.44	0.37	0.32	0.66	0.39	0.55	0.34	0.41	0.60	1.13	0.34	0.22	0.35	0.06	0.05
		0.08	0.01		0.07	0.03		0.05	0.03		0.11	0.02		0.01	0.00
KQRJHN	0.64	1.26	0.57	0.55	-0.19	0.29	0.37	0.60	0.32	0.88	-0.48	0.28	0.40	0.36	0.18
		0.29	0.03		-0.03	0.02		0.07	0.02		-0.15	0.03		0.06	0.01
G6NDG2	0.37	0.06	0.23	0.58	-0.04	0.41	0.32	0.25	0.19	1.05	0.07	0.47	0.43	0.54	0.50
		0.01	0.01		-0.01	0.02		0.03	0.01		0.02	0.04		0.09	0.03
CQF2X6	0.10	-1.13	0.00	0.30	-1.62	0.00	0.10	-1.64	0.00	0.50	-1.71		0.10	-1.46	0.00
		-0.26	0.00		-0.29	0.00		-0.20	0.00		-0.53	0.00		-0.24	0.00
QB3B2R	0.24	-0.52	0.57	0.59	0.00	0.57	0.23	-0.52	0.86	0.47	-1.80	0.21	0.21	-0.82	0.18
		-0.12	0.03		0.00	0.03		-0.06	0.04		-0.56	0.02		-0.14	0.01
KZGFYV	0.19	-0.72	0.35	0.59	0.00	0.22	0.23	-0.52	0.32	0.97	-0.18	0.06	0.23	-0.68	0.16
		-0.16	0.02		0.00	0.01		-0.06	0.02		-0.06	0.01		-0.11	0.01
UB76AM	0.26	-0.42	1.63	0.55	-0.19	1.06	0.24	-0.46	1.64	1.01	-0.07	0.97	0.31	-0.20	1.23
		-0.10	0.07		-0.03	0.06		-0.06	0.08		-0.02	0.09		-0.03	0.08
JXC9JX	0.19	-0.73	0.00	0.54	-0.26	0.00	0.25	-0.38		0.87	-0.51	0.00	0.25	-0.56	
		-0.17	0.00		-0.05	0.00		-0.05	0.00		-0.16	0.00		-0.09	0.00
WR44BL	0.36	0.01	0.01	0.50	-0.50	0.02	0.30	0.04	0.00	0.84	-0.61	0.00	0.34	0.00	0.03
		0.00	0.00		-0.09	0.00		0.01	0.00		-0.19	0.00		0.00	0.00
EDKTTZ	0.35	-0.01	0.57	0.68	0.55	0.43	0.33	0.32	0.32	1.26	0.76	0.25	0.39	0.28	0.31
		0.00	0.03		0.10	0.02		0.04	0.02		0.24	0.02		0.05	0.02
XX43YG	0.41	0.25	2.88	0.62	0.19	0.65	0.22	-0.63	1.09	1.16	0.44	1.43	0.16	-1.10	2.02
		0.06	0.13		0.03	0.03		-0.08	0.05		0.14	0.13		-0.18	0.13
HMD97T	0.19	-0.74	0.06	0.72	0.76	0.20	0.27	-0.25	0.13	1.10	0.23	0.28	0.32	-0.12	0.10
		-0.17	0.00		0.13	0.01		-0.03	0.01		0.07	0.03		-0.02	0.01
XKF48E	0.10	-1.13		0.37	-1.25	1.08	0.20	-0.80	2.92	1.13	0.34	3.45	0.27	-0.46	3.24
		-0.26	0.00		-0.22	0.06		-0.10	0.14		0.11	0.32		-0.08	0.21
Q77MKK	1.40	4.59		1.52	5.29		1.05	6.35		2.24	3.91		1.56	7.33	
		1.04	0.00		0.93	0.00		0.76	0.00		1.21	0.00		1.22	0.00
PN7ACJ	0.40	0.21	1.76	0.77	1.02	1.51	0.39	0.80	1.64	1.28	0.81	0.56	0.47	0.79	0.63
		0.05	0.08		0.18	0.08		0.10	0.08		0.25	0.05		0.13	0.04



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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		0.36			0.59			0.30			1.03			0.34	
Median Abs Dev		0.11			0.07			0.05			0.15			0.07	
Avg Within Lab SD		0.04			0.05			0.05			0.09			0.06	
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		

Zn - DTPA (SubTestCode 169)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.62	0.01	1.01	0.90	-0.33	0.10	0.83	0.51	1.55	7.51	-0.43	0.30	0.32	-0.24	0.13	
		0.00	0.05		-0.13	0.01		0.14	0.10		-1.38	0.10		-0.05	0.01	
6WAFT7	0.48	-0.33	0.24	0.96	-0.16	0.04	0.50	-0.69	0.26	9.79	0.28	0.10	0.37	0.00	0.23	
		-0.14	0.01		-0.07	0.00		-0.19	0.02		0.90	0.03		0.00	0.01	
FQP3HU	0.88	0.65	0.65	1.06	0.09	0.55	0.77	0.26	0.23	8.95	0.02	1.50	0.33	-0.20	0.27	
		0.27	0.03		0.04	0.04		0.07	0.01		0.07	0.52		-0.04	0.01	
C47NEY	0.68	0.16	1.45	1.19	0.41	2.51	0.95	0.93	0.39	9.35	0.15	1.61	0.43	0.33	0.94	
		0.07	0.08		0.16	0.16		0.26	0.02		0.47	0.56		0.06	0.04	
7WA3K4	1.05	1.08	0.19	1.25	0.56	0.36	0.73	0.12	0.58	9.45	0.18	1.37	0.48	0.54	1.29	
		0.44	0.01		0.22	0.02		0.03	0.04		0.57	0.47		0.11	0.06	
VJYMAG	0.61	-0.01	0.86	1.20	0.42	1.35	0.61	-0.28	1.43	9.62	0.23	1.47	0.45	0.41	1.38	
		0.00	0.05		0.17	0.09		-0.08	0.09		0.74	0.51		0.08	0.06	
4RZ3B8	0.57	-0.12	1.09	0.93	-0.24	0.89	0.70	0.03	0.00	8.33	-0.17	1.45	0.30	-0.35	0.00	
		-0.05	0.06		-0.10	0.06		0.01	0.00		-0.55	0.50		-0.07	0.00	
C4PRLY	0.56	-0.14	0.61	1.08	0.12	1.01	0.71	0.05	0.37	8.01	-0.28	0.09	0.43	0.30	0.23	
		-0.06	0.03		0.05	0.07		0.02	0.02		-0.88	0.03		0.06	0.01	
477W66	0.47	-0.36	1.09	1.00	-0.07		0.50	-0.68		8.83	-0.02	0.33	0.37	-0.02	1.34	
		-0.15	0.06		-0.03	0.00		-0.19	0.00		-0.05	0.12		0.00	0.06	
CE8C7V	0.63	0.05	1.09	1.20	0.43	0.00	0.67	-0.09	0.94	10.50	0.51	1.75	0.40	0.15	0.00	
		0.02	0.06		0.17	0.00		-0.03	0.06		1.62	0.61		0.03	0.00	
DZKJUJ	0.60	-0.04	0.11	1.03	0.01	0.89	0.73	0.15	0.94	7.07	-0.57	0.33	0.37	-0.02	0.67	
		-0.02	0.01		0.01	0.06		0.04	0.06		-1.82	0.12		0.00	0.03	
JR9FBN	0.85	0.57	0.79	1.62	1.49	0.86	0.87	0.63	0.82	12.30	1.08	1.14	0.57	1.03	1.10	
		0.23	0.04		0.59	0.06		0.18	0.05		3.42	0.40		0.20	0.05	
8NA3L2	0.54	-0.17	0.22	1.04	0.04	0.09	0.54	-0.55	0.89	10.77	0.59	0.33	0.27	-0.49	0.94	
		-0.07	0.01		0.02	0.01		-0.16	0.06		1.88	0.12		-0.10	0.04	
4XQDK7	1.46	2.07	0.19	2.02	2.49	1.18	1.56	3.10	1.41	7.02	-0.59	0.21	1.57	6.08	0.23	
		0.85	0.01		0.99	0.08		0.87	0.09		-1.87	0.07		1.20	0.01	
32WJM7	0.71	0.24	0.29	1.20	0.43	0.27	0.69	0.01	0.65	9.89	0.32	0.12	0.51	0.73	0.48	
		0.10	0.02		0.17	0.02		0.00	0.04		1.01	0.04		0.14	0.02	
QUDDLH	0.60	-0.03	0.00	0.87	-0.41	1.79	0.83	0.51	0.94	7.87	-0.32	0.44	0.33	-0.19	1.34	
		-0.01	0.00		-0.16	0.12		0.14	0.06		-1.02	0.15		-0.04	0.06	
KQRJHN	2.39	4.34	1.16	1.33	0.77	0.18	0.95	0.92	0.43	10.11	0.39	0.57	0.49	0.61	0.23	
		1.77	0.06		0.31	0.01		0.26	0.03		1.23	0.20		0.12	0.01	
M8UYGL	0.22	-0.96	0.82	0.49	-1.36	0.54	0.58	-0.41	3.85	8.57	-0.10	1.08	0.24	-0.64	1.36	
		-0.39	0.04		-0.54	0.04		-0.12	0.24		-0.31	0.38		-0.13	0.06	
QB3B2R	0.53	-0.21	0.48	0.90	-0.31	0.63	0.47	-0.80	0.65	7.65	-0.39	0.43	0.27	-0.51	1.21	
		-0.09	0.03		-0.13	0.04		-0.23	0.04		-1.23	0.15		-0.10	0.05	
KZGFYV	0.28	-0.81	0.22	0.48	-1.38	0.00	0.37	-1.14	0.09	5.20	-1.16	0.30	0.21	-0.81	0.00	
		-0.33	0.01		-0.55	0.00		-0.32	0.01		-3.68	0.10		-0.16	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		
BL7NF7	0.54	-0.17	0.95	0.99	-0.09	0.86	0.71	0.07	1.00	7.19	-0.53	1.04	0.34	-0.17	0.46
ZEMHEH	0.80	-0.07	0.05	1.27	-0.04	0.06	0.80	0.02	0.06	8.93	-1.69	0.36	0.61	-0.03	0.02
KXVCQX	0.81	0.45	1.72	1.02	0.60	1.70	0.69	0.39	1.45	8.27	0.02	1.46	0.39	1.20	2.24
XX43YG	0.76	0.18	0.09	1.41	0.24	0.11	0.72	0.11	0.09	11.59	0.05	0.51	0.45	0.24	0.10
89DUG9	0.83	0.48	0.66	1.51	-0.01	0.47	0.76	-0.01	0.32	14.33	-0.19	0.14	0.77	0.12	0.27
RKW4MM	1.03	0.20	0.03	0.93	-0.01	0.03	1.00	0.00	0.02	7.30	-0.61	0.05	0.50	0.02	0.01
4F7V8B	0.56	0.37	2.87	1.11	0.96	3.16	0.55	0.11	0.80	9.99	0.85	3.08	0.33	0.41	1.67
CZ7M44	0.58	0.15	0.15	1.00	0.38	0.20	0.61	0.03	0.05	9.37	2.70	1.07	0.33	0.08	0.07
PAPEWM	0.57	0.52	0.11	0.77	1.21	0.15	0.57	0.26	0.09	6.30	1.72	0.19	0.30	2.04	2.37
KMCVXR	1.80	0.21	0.01	2.20	0.48	0.01	1.20	0.07	0.01	29.10	5.45	0.07	0.70	0.40	0.10
8QG8D6	0.30	1.03	1.09	0.53	-0.24	0.89	0.38	1.10	1.62	6.13	-0.50	0.29	0.20	0.66	2.32
4PWGDA	0.59	0.42	0.06	1.01	-0.10	0.06	0.53	0.31	0.10	9.72	-1.58	0.10	0.32	0.13	0.10
TPMZPJ	0.95	-0.13	0.05	0.57	0.20	0.24	0.22	-0.51	0.25	8.18	0.35	0.04	0.37	-0.20	0.11
6YCNP4	0.43	-0.06	0.00	0.80	0.08	0.02	0.40	-0.14	0.02	7.43	1.11	0.01	0.30	-0.04	0.00
NT8YFL	1.85	-0.08	1.05	1.94	-0.08	0.09	1.06	-0.28	0.67	16.01	0.15	0.17	0.78	-0.19	0.27
Q77MKK	0.74	-0.03	0.06	1.29	-0.03	0.01	0.63	-0.08	0.04	14.04	0.48	0.06	0.45	-0.04	0.01
ALBLDW	0.89	-0.12	2.89	0.79	-0.66	0.89	0.12	-0.45	0.94	6.88	-0.81	0.29	0.51	-0.35	0.00
WN9D4A	0.24	-0.05	0.15	0.82	-0.26	0.06	0.47	-0.13	0.06	8.64	-2.58	0.10	0.30	-0.07	0.00
		2.90			2.95			1.82			6.36			1.67	
		1.19	0.00		1.17	0.00		0.51	0.00		20.22	0.00		0.33	0.00
		-0.78	0.05		-1.25	0.04		-1.10	0.03		-0.87	0.09		-0.86	0.46
		-0.32	0.00		-0.50	0.00		-0.31	0.00		-2.75	0.03		-0.17	0.02
		-0.06			-0.05			-0.58			0.26			-0.25	
		-0.02	0.00		-0.02	0.00		-0.16	0.00		0.84	0.00		-0.05	0.00
		0.83	1.36		-1.15	0.50		-1.68	1.71		-0.22	0.09		0.00	1.81
		0.34	0.07		-0.46	0.03		-0.47	0.11		-0.70	0.03		0.00	0.08
		-0.44	1.09		-0.58	0.00		-1.04	0.00		-0.46	0.66		-0.35	0.00
		-0.18	0.06		-0.23	0.00		-0.29	0.00		-1.45	0.23		-0.07	0.00
		3.02			2.30			1.32			2.24			2.08	
		1.24	0.00		0.91	0.00		0.37	0.00		7.13	0.00		0.41	0.00
		0.31			0.66			-0.22			1.62			0.41	
		0.13	0.00		0.26	0.00		-0.06	0.00		5.16	0.00		0.08	0.00
		0.68	0.58		-0.59	0.65		-2.03	0.20		-0.63	1.61		0.71	0.94
		0.28	0.03		-0.24	0.04		-0.57	0.01		-2.01	0.56		0.14	0.04
		-0.91			-0.52	2.12		-0.79	0.08		-0.08	2.05		-0.33	
		-0.37	0.00		-0.21	0.14		-0.22	0.00		-0.24	0.71		-0.07	0.00
Grand Median		0.61			1.03			0.69			8.88			0.37	
Median Abs Dev		0.15			0.17			0.14			1.23			0.08	
Avg Within Lab SD		0.05			0.06			0.06			0.35			0.04	
Labs Included		38			38			38			38			38	
Labs Reporting		38			38			38			38			38	



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

Mn - DTPA (SubTestCode 170)	in the Micronutrients Property Groups															Data units: mg/kg	
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
NRW8AP	15.21	-0.32	0.32	1.95	-0.54	0.02	7.56	0.00	0.00	1.28	-0.40	0.07	65.61	-1.02	0.66		
		-1.79	0.21		-2.59	0.07		0.00	0.00		-1.57	0.03		-19.72	1.67		
6WAFT7	17.70	0.13	0.30	2.20	-0.49	0.00	7.37	-0.08	0.15	1.60	-0.32	0.00	88.40	0.16	0.18		
		0.70	0.20		-2.33	0.00		-0.20	0.21		-1.25	0.00		3.07	0.46		
FQP3HU	20.79	0.68	0.82	8.02	0.73	0.09	9.92	1.02	0.09	5.73	0.74	0.67	95.36	0.52	1.02		
		3.78	0.55		3.48	0.32		2.36	0.12		2.87	0.27		10.03	2.60		
C47NEY	22.11	0.92	1.81	6.78	0.47	0.15	11.90	1.88	0.24	4.87	0.52	0.90	110.47	1.30	0.71		
		5.11	1.21		2.24	0.52		4.34	0.32		2.02	0.36		25.13	1.80		
7WA3K4	9.10	-1.42	0.68	1.91	-0.55	0.02	2.94	-2.00	0.11	0.59	-0.58	0.02	36.84	-2.51	0.83		
		-7.91	0.45		-2.62	0.06		-4.62	0.14		-2.27	0.01		-48.49	2.10		
VJYMAG	17.20	0.03	1.57	2.92	-0.34	0.13	6.68	-0.38	0.61	1.64	-0.31	1.01	91.24	0.31	1.09		
		0.19	1.05		-1.61	0.46		-0.88	0.82		-1.21	0.40		5.91	2.77		
4RZ3B8	19.53	0.45	0.61	4.53	0.00	0.02	9.27	0.74	0.04	2.53	-0.08	0.14	88.37	0.16	0.28		
		2.53	0.40		0.00	0.06		1.70	0.06		-0.32	0.06		3.03	0.72		
C4PRLY	15.62	-0.25	0.11	4.23	-0.06	0.14	8.71	0.50	0.00	2.50	-0.09	1.25	85.91	0.03	0.76		
		-1.39	0.07		-0.31	0.51		1.14	0.01		-0.35	0.50		0.58	1.93		
477W66	11.83	-0.93	0.23	2.47	-0.43	0.02	6.07	-0.65	0.11	1.27	-0.41	0.14	77.83	-0.39	0.33		
		-5.17	0.15		-2.07	0.06		-1.50	0.15		-1.59	0.06		-7.50	0.83		
CE8C7V	19.00	0.36	1.50	5.00	0.10	0.28	8.00	0.19		3.67	0.21	1.44	86.33	0.05	1.59		
		2.00	1.00		0.47	1.00		0.44	0.00		0.82	0.58		1.00	4.04		
DZKJUJ	16.67	-0.06	1.73	2.83	-0.36	0.08	7.97	0.18	0.04	1.90	-0.24	0.25	81.67	-0.19	0.60		
		-0.34	1.15		-1.70	0.29		0.40	0.06		-0.95	0.10		-3.67	1.53		
JR9FBN	18.77	0.32	0.23	12.72	1.71	0.30	10.73	1.37	0.96	9.00	1.57	3.27	19.93	-3.38	0.10		
		1.76	0.15		8.19	1.07		3.17	1.31		6.15	1.31		-65.40	0.25		
8NA3L2	17.97	0.17	0.38	4.95	0.09	0.05	7.25	-0.14	0.02	4.21	0.35	0.15	83.27	-0.11	0.47		
		0.96	0.25		0.41	0.18		-0.32	0.02		1.36	0.06		-2.07	1.21		
4XQDK7	8.52	-1.52	0.30	3.10	-0.30	0.01	6.18	-0.60	0.62	1.70	-0.29	0.01	83.77	-0.08	1.00		
		-8.49	0.20		-1.43	0.04		-1.38	0.84		-1.15	0.01		-1.57	2.54		
32WJM7	19.67	0.48	0.87	6.33	0.38	0.16	8.00	0.19		4.67	0.46	1.44	94.33	0.47	0.23		
		2.66	0.58		1.80	0.58		0.44	0.00		1.82	0.58		9.00	0.58		
QUDDLH	16.57	-0.08	0.38	2.17	-0.49	0.04	9.87	1.00	0.11	1.53	-0.34	0.14	83.60	-0.09	0.28		
		-0.44	0.25		-2.37	0.15		2.30	0.15		-1.32	0.06		-1.73	0.70		
M8UYGL	17.00	0.00	1.73	2.82	-0.36	0.11	7.04	-0.23	0.37	1.63	-0.31	0.82	82.45	-0.15	1.13		
		0.00	1.15		-1.72	0.39		-0.53	0.50		-1.23	0.33		-2.88	2.86		
QB3B2R	12.43	-0.82	0.48	13.57	1.89	0.11	4.83	-1.18	0.09	18.07	3.90	1.64	48.30	-1.91	0.38		
		-4.57	0.32		9.03	0.40		-2.73	0.12		15.22	0.66		-37.03	0.95		
BL7NF7	16.92	-0.02	0.95	6.23	0.36	0.04	9.32	0.76	0.16	3.77	0.23	0.77	84.57	-0.04	0.71		
		-0.09	0.63		1.70	0.13		1.75	0.22		0.92	0.31		-0.76	1.80		
ZEMHEH	19.50	0.45	1.19	8.32	0.79	0.08	7.37	-0.08	0.23	5.49	0.68	0.21	80.37	-0.26	0.75		
		2.50	0.79		3.78	0.28		-0.19	0.32		2.64	0.08		-4.96	1.91		



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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		
XX43YG	21.13	0.74	2.30	8.57	0.84	0.13	8.45	0.38	0.54	6.10	0.83	2.25	95.23	0.51	1.97
		4.13	1.53		4.03	0.47		0.88	0.74		3.25	0.90		9.90	4.99
89DUG9	24.79	1.40	0.16	13.13	1.80	0.05	9.76	0.95	0.10	13.48	2.72	0.35	105.01	1.02	0.04
		7.78	0.11		8.60	0.17		2.20	0.13		10.63	0.14		19.67	0.10
RKW4MM	14.87	-0.38	1.80	3.27	-0.26	0.14	7.93	0.16	0.41	1.53	-0.34	0.88	79.83	-0.28	1.83
		-2.14	1.20		-1.27	0.50		0.37	0.55		-1.32	0.35		-5.50	4.65
CZ7M44	15.67	-0.24	0.87	2.50	-0.43	0.05	7.23	-0.14	0.04	1.93	-0.24	0.63	85.33	0.00	3.06
		-1.34	0.58		-2.03	0.17		-0.33	0.06		-0.92	0.25		0.00	7.77
PAPEWM	16.00	-0.18	1.50	5.00	0.10		8.33	0.33	0.43	3.33	0.12	1.44	88.00	0.14	1.58
		-1.00	1.00		0.47	0.00		0.77	0.58		0.48	0.58		2.67	4.00
8QG8D6	9.56	-1.34	0.02	2.95	-0.33	0.01	2.74	-2.09	0.01	3.84	0.25	0.03	50.18	-1.82	0.41
		-7.44	0.01		-1.58	0.03		-4.82	0.01		0.99	0.01		-35.15	1.04
4PWGDA	18.50	0.27		6.54	0.42		5.91	-0.72		5.01	0.55		96.20	0.56	
		1.50	0.00		2.01	0.00		-1.65	0.00		2.16	0.00		10.87	0.00
TPMZPJ	25.05	1.44	1.16	2.65	-0.39	0.18	7.18	-0.17	0.65	1.04	-0.46	0.20	91.94	0.34	0.40
		8.04	0.77		-1.89	0.65		-0.38	0.88		-1.81	0.08		6.61	1.01
6YCNP4	15.07	-0.35	0.48	1.23	-0.69	0.02	6.00	-0.68	0.07	0.93	-0.49	0.52	89.93	0.24	1.30
		-1.94	0.32		-3.30	0.06		-1.56	0.10		-1.92	0.21		4.60	3.29
NT8YFL	14.59	-0.43		2.09	-0.51		5.60	-0.85		1.53	-0.34		74.09	-0.58	
		-2.41	0.00		-2.44	0.00		-1.96	0.00		-1.32	0.00		-11.24	0.00
Q77MKK	26.07	1.63		12.02	1.56		8.54	0.42		9.85	1.79		127.18	2.16	
		9.07	0.00		7.49	0.00		0.98	0.00		7.00	0.00		41.85	0.00
ALBLDW	24.81	1.40	0.59	13.10	1.79	0.05	7.56	0.00	0.09	10.95	2.08	0.94	103.17	0.92	0.73
		7.81	0.39		8.56	0.19		0.00	0.12		8.10	0.37		17.83	1.86
WN9D4A	0.07	-3.04		17.50	2.71	5.71	12.62	2.19	5.47	2.85	0.00	0.69	74.10	-0.58	
		-16.94	0.00		12.97	20.30		5.06	7.41		0.00	0.28		-11.23	0.00
Grand Median		17.0		4.53			7.56			2.85			85.3		
Median Abs Dev		2.4		2.07			1.14			1.36			6.6		
Avg Within Lab SD		0.7		3.55			1.36			0.40			2.5		
Labs Included		33		33			33			33			33		
Labs Reporting		33		33			33			33			33		



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

Fe - DTPA (SubTestCode 171)		in the Micronutrients Property Groups												Data units: mg/kg	
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515										
NRW8AP	82.6	-0.5 -24.1 1.0	0.1	9.8	-0.9 -4.9 0.1	0.1	8.3	-0.4 -3.6 0.4	0.0	9.8	-0.7 -5.0 0.1	0.0	35.8	-1.0 -15.7 0.6	0.3
6WAFT7	86.7	-0.4 -20.0 1.5	0.2	11.0	-0.7 -3.7 0.0	0.0	6.3	-0.7 -5.6 0.6	0.1	12.3	-0.4 -2.4 0.3	0.2	43.7	-0.5 -7.8 0.3	0.2
FQP3HU	122.6	0.3 15.9 3.0	0.4	14.6	0.0 -0.1 1.0	0.5	12.5	0.1 0.6 2.2	0.2	13.4	-0.2 -1.3 1.2	1.0	52.7	0.1 1.2 1.5	0.8
C47NEY	163.8	1.1 57.1 8.7	1.1	17.1	0.4 2.4 3.1	1.5	20.0	0.9 8.0 3.5	0.3	21.1	0.9 6.3 3.7	3.0	60.9	0.6 9.4 1.7	0.9
7WA3K4	110.5	0.1 3.8 5.2	0.7	13.4	-0.3 -1.4 0.5	0.3	11.4	-0.1 -0.6 0.7	0.1	14.4	0.0 -0.3 0.4	0.3	43.1	-0.5 -8.4 0.9	0.5
VJYMAG	156.1	1.0 49.5 11.0	1.4	6.9	-1.5 -7.8 0.5	0.3	16.5	0.5 4.5 5.7	0.5	12.2	-0.4 -2.5 1.5	1.2	35.3	-1.0 -16.2 1.7	1.0
4RZ3B8	116.3	0.2 9.6 9.7	1.2	14.1	-0.1 -0.7 1.0	0.5	14.8	0.3 2.8 2.5	0.2	14.8	0.0 0.0 0.7	0.5	53.5	0.1 2.0 0.8	0.4
C4PRLY	83.5	-0.5 -23.2 5.0	0.6	12.9	-0.3 -1.9 1.3	0.6	9.4	-0.3 -2.6 0.3	0.0	12.0	-0.4 -2.8 0.7	0.5	39.2	-0.8 -12.3 3.6	2.0
477W66	56.7	-1.0 -50.0 1.5	0.2	11.0	-0.7 -3.7 1.0	0.5	17.3	0.6 5.4 0.6	0.1	11.3	-0.5 -3.4 0.6	0.5	38.7	-0.8 -12.8 1.5	0.9
CE8C7V	105.3	0.0 -1.3 8.0	1.0	15.3	0.1 0.6 1.5	0.7	11.0	-0.1 -1.0 1.0	0.1	15.7	0.1 0.9 2.1	1.7	50.3	-0.1 -1.2 2.5	1.4
DZKJUJ	107.7	0.0 1.0 2.5	0.3	17.0	0.4 2.3 1.0	0.5	14.0	0.2 2.1 1.7	0.2	15.3	0.1 0.6 0.6	0.5	44.3	-0.5 -7.2 1.2	0.6
JR9FBN	185.0	1.6 78.3 10.9	1.4	26.2	2.2 11.4 0.8	0.4	15.3	0.4 3.3 0.6	0.1	28.7	2.1 13.9 2.9	2.3	73.8	1.4 22.3 0.8	0.4
8NA3L2	158.7	1.0 52.0 2.5	0.3	18.0	0.6 3.2 0.7	0.3	17.9	0.7 6.0 1.5	0.1	25.3	1.6 10.6 0.4	0.3	59.8	0.5 8.3 0.5	0.3
4XQDK7	43.5	-1.3 -63.1 0.5	0.1	9.3	-1.0 -5.4 0.1	0.1	7.6	-0.5 -4.4 2.2	0.2	8.0	-1.0 -6.7 0.1	0.1	40.1	-0.7 -11.4 0.2	0.1
32WJM7	141.0	0.7 34.3 1.0	0.1	17.7	0.6 2.9 0.6	0.3	14.0	0.2 2.0 0.0	0.2	18.3	0.5 3.6 0.6	0.5	70.7	1.2 19.2 2.5	1.4
QUDDLH	89.1	-0.3 -17.6 1.4	0.2	11.4	-0.6 -3.3 0.7	0.4	11.7	0.0 -0.3 1.3	0.1	11.5	-0.5 -3.2 0.3	0.2	44.4	-0.4 -7.1 1.0	0.5
M8UYGL	115.2	0.2 8.6 13.5	1.7	13.6	-0.2 -1.2 1.5	0.7	11.5	-0.1 -0.5 2.0	0.2	14.2	-0.1 -0.5 1.2	1.0	60.5	0.6 9.0 2.2	1.2
QB3B2R	96.0	-0.2 -10.7 7.2	0.9	16.9	0.4 2.2 0.3	0.1	9.8	-0.3 -2.2 0.5	0.0	20.0	0.8 5.3 0.6	0.5	48.4	-0.2 -3.1 0.6	0.3
BL7NF7	101.3	-0.1 -5.3 2.1	0.3	14.8	0.0 0.1 0.6	0.3	12.2	0.0 0.3 1.0	0.1	12.2	-0.4 -2.5 1.0	0.8	55.4	0.2 3.9 1.3	0.7
ZEMHEH	103.0	-0.1 -3.6 4.6	0.6	15.2	0.1 0.4 1.2	0.6	11.0	-0.1 -1.0 2.4	0.2	14.7	0.0 0.0 2.0	1.6	54.6	0.2 3.1 1.6	0.9



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
XX43YG	180.9	1.5	1.8	20.5	1.1	0.9	15.0	0.3	0.2	22.2	1.1	1.1	63.5	0.8	3.2
		74.3	14.5		5.7	1.9		3.0	1.7		7.5	1.4		12.0	5.7
89DUG9	163.4	1.1	0.1	24.0	1.8	0.0	13.5	0.2	0.0	31.7	2.5	0.1	74.0	1.4	0.1
		56.7	0.6		9.3	0.1		1.5	0.4		16.9	0.2		22.5	0.2
RKW4MM	92.1	-0.3	1.0	12.0	-0.5	0.8	11.7	0.0	0.2	10.8	-0.6	1.5	38.3	-0.8	0.5
		-14.6	7.9		-2.7	1.7		-0.3	1.8		-3.9	1.9		-13.2	0.9
CZ7M44	105.7	0.0	1.6	13.7	-0.2	0.3	18.7	0.8	0.4	15.3	0.1	0.9	47.3	-0.3	0.6
		-1.0	12.4		-1.1	0.6		6.7	4.6		0.6	1.2		-4.2	1.2
PAPEWM	98.0	-0.2		13.7	-0.2	0.7	10.7	-0.2	0.1	11.0	-0.5	0.8	52.7	0.1	1.4
		-8.7	0.0		-1.1	1.5		-1.3	0.6		-3.7	1.0		1.2	2.5
KMCVXR	152.9	0.9		17.6	0.5		11.0	-0.1		20.7	0.9		58.9	0.5	
		46.2	0.0		2.9	0.0		-1.0	0.0		6.0	0.0		7.4	0.0
8QG8D6	45.0	-1.2	0.0	3.6	-2.1	0.1	1.4	-1.2	0.0	5.8	-1.3	0.1	21.5	-1.9	0.0
		-61.7	0.0		-11.1	0.1		-10.6	0.0		-9.0	0.1		-30.0	0.0
4PWGDA	123.0	0.3		16.3	0.3		9.8	-0.3		17.3	0.4		62.9	0.7	
		16.3	0.0		1.6	0.0		-2.2	0.0		2.6	0.0		11.4	0.0
TPMZPJ	231.9	2.5	3.3	24.9	1.9	1.8	72.0	7.0	0.9	23.0	1.2	1.2	73.1	1.4	0.5
		125.3	26.2		10.2	3.6		60.0	9.7		8.3	1.5		21.6	0.9
6YCNP4	89.0	-0.4	2.0	10.3	-0.8	0.3	7.0	-0.6	0.1	11.0	-0.5	0.8	47.7	-0.2	1.8
		-17.7	15.7		-4.4	0.6		-5.0	1.0		-3.7	1.0		-3.8	3.2
NT8YFL	172.6	1.3		13.6	-0.2		18.1	0.7		25.1	1.5		29.2	-1.4	
		65.9	0.0		-1.2	0.0		6.1	0.0		10.3	0.0		-22.4	0.0
Q77MKK	134.2	0.5		17.2	0.5		9.7	-0.3		19.7	0.7		62.1	0.7	
		27.6	0.0		2.4	0.0		-2.3	0.0		5.0	0.0		10.6	0.0
ALBLDW	105.4	0.0	0.2	18.1	0.6	0.0	14.6	0.3	0.2	20.3	0.8	0.5	68.8	1.1	1.3
		-1.3	2.0		3.4	0.1		2.6	1.7		5.6	0.6		17.3	2.3
WN9D4A	0.1	-2.1		19.6	0.9	4.8	50.8	4.5	5.7	14.5	0.0	1.2	48.6	-0.2	
		-106.5	0.0		4.9	9.8		38.8	60.7		-0.2	1.5		-2.9	0.0
Grand Median		106.7			14.7			12.0			14.7			51.5	
Median Abs Dev		21.6			2.8			2.6			3.7			9.2	
Avg Within Lab SD		8.0			2.0			10.7			1.2			1.8	
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		

Cu - DTPA (SubTestCode 172) in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
NRW8AP	1.10	0.00	0.07	0.42	-0.74	0.12	0.15	0.22	0.18	0.41	-0.37	0.01	1.09	-0.50	0.03
		0.00	0.01		-0.13	0.01		0.02	0.02		-0.06	0.00		-0.18	0.00
6WAFT7	0.96	-0.35	0.26	0.44	-0.59	0.03	0.07	-0.55	0.02	0.46	-0.06	0.04	1.28	0.01	0.04
		-0.14	0.03		-0.11	0.00		-0.06	0.00		-0.01	0.00		0.01	0.01
FQP3HU	1.32	0.55	0.51	0.50	-0.29	0.17	0.15	0.27	0.04	0.47	0.01	0.20	1.33	0.16	1.27
		0.22	0.06		-0.05	0.02		0.03	0.00		0.00	0.02		0.06	0.17
C47NEY	1.48	0.94	2.11	0.52	-0.19	0.74	0.13	0.01	0.07	0.45	-0.14	0.41	1.50	0.63	1.00
		0.37	0.23		-0.04	0.08		0.00	0.01		-0.02	0.03		0.23	0.13
7WA3K4	1.16	0.16	0.40	0.55	0.01	0.04	0.20	0.75	0.11	0.55	0.47	0.02	0.89	-1.04	0.86
		0.06	0.04		0.00	0.00		0.08	0.01		0.08	0.00		-0.38	0.11
VJYMAG	1.17	0.18	0.68	0.55	-0.01	0.30	0.09	-0.34	0.04	0.49	0.10	0.60	1.40	0.35	0.11
		0.07	0.08		0.00	0.03		-0.03	0.01		0.02	0.05		0.13	0.01
4RZ3B8	1.03	-0.17	1.38	0.47	-0.46	0.53	0.10	-0.27	0.00	0.37	-0.60	0.72	1.17	-0.29	0.88
		-0.07	0.15		-0.08	0.06		-0.03	0.00		-0.10	0.06		-0.11	0.12
C4PRLY	0.86	-0.60	0.54	0.42	-0.70	0.89	0.12	-0.10	0.12	0.36	-0.64	0.66	1.21	-0.18	1.39
		-0.24	0.06		-0.13	0.10		-0.01	0.02		-0.11	0.05		-0.07	0.18
477W66	0.67	-1.09	0.52	0.47	-0.46	0.53	0.10	-0.27	0.00	0.40	-0.41	0.00	1.00	-0.74	
		-0.44	0.06		-0.08	0.06		-0.03	0.00		-0.07	0.00		-0.27	0.00
CE8C7V	1.18	0.20	0.67	0.58	0.19	0.38	0.10	-0.31	0.11	0.52	0.29	0.48	1.30	0.09	0.40
		0.08	0.07		0.03	0.04		-0.03	0.01		0.05	0.04		0.03	0.05
DZKJUJ	1.02	-0.21	0.26	0.43	-0.64	0.53	0.10	-0.23	0.04	0.40	-0.41	0.00	1.18	-0.24	0.22
		-0.09	0.03		-0.12	0.06		-0.02	0.01		-0.07	0.00		-0.09	0.03
JR9FBN	1.61	1.26	0.32	0.79	1.30	1.24	0.17	0.40	0.12	0.85	2.18	0.44	2.04	2.10	1.50
		0.50	0.04		0.24	0.14		0.04	0.02		0.38	0.04		0.77	0.20
8NA3L2	1.30	0.49	0.05	0.57	0.13	0.14	0.13	0.00	0.24	0.58	0.64	0.14	1.40	0.34	0.12
		0.19	0.01		0.02	0.02		0.00	0.03		0.11	0.01		0.13	0.02
4XQDK7	0.44	-1.64	0.14	0.33	-1.23	0.19	0.05	-0.80	0.22	0.26	-1.23	0.07	1.06	-0.57	0.12
		-0.66	0.02		-0.22	0.02		-0.08	0.03		-0.21	0.01		-0.21	0.02
32WJM7	1.41	0.77	0.39	0.61	0.31	0.23	0.13	0.07	0.09	0.59	0.68	0.12	1.64	1.00	0.43
		0.31	0.04		0.06	0.03		0.01	0.01		0.12	0.01		0.37	0.06
QUDDLH	0.93	-0.42	0.52	0.40	-0.83	0.00	0.10	-0.27	0.00	0.37	-0.60	0.72	1.17	-0.29	0.44
		-0.17	0.06		-0.15	0.00		-0.03	0.00		-0.10	0.06		-0.11	0.06
M8UYGL	1.11	0.02	0.36	0.62	0.36	0.52	0.15	0.20	0.29	0.48	0.07	0.31	0.83	-1.21	0.58
		0.01	0.04		0.07	0.06		0.02	0.04		0.01	0.03		-0.44	0.08
QB3B2R	0.67	-1.09	0.52	0.37	-1.01	0.53	0.06	-0.63	0.09	0.38	-0.54	0.38	0.76	-1.41	0.43
		-0.44	0.06		-0.18	0.06		-0.06	0.01		-0.09	0.03		-0.52	0.06
BL7NF7	0.73	-0.92	0.05	0.37	-1.01	0.16	0.08	-0.48	0.08	0.26	-1.18	0.36	0.93	-0.92	0.31
		-0.37	0.01		-0.18	0.02		-0.05	0.01		-0.21	0.03		-0.34	0.04
ZEMHEH	1.70	1.49	4.38	1.21	3.60	4.06	0.71	5.81	2.77	1.09	3.56	5.24	1.85	1.58	3.98
		0.60	0.49		0.65	0.44		0.58	0.36		0.62	0.42		0.58	0.52



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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
XX43YG	1.43	0.83	0.54	0.69	0.75	0.38	0.13	0.00	0.24	0.54	0.41	0.36	1.55	0.76	0.68
		0.33	0.06		0.14	0.04		0.00	0.03		0.07	0.03		0.28	0.09
89DUG9	1.49	0.96	0.05	0.74	1.06	0.05	0.13	0.00	0.04	0.80	1.90	0.07	1.81	1.47	0.08
		0.38	0.01		0.19	0.01		0.00	0.01		0.33	0.01		0.54	0.01
RKW4MM	0.87	-0.59	1.04	0.40	-0.83	0.00	0.23	1.07	0.45	0.47	-0.03	0.72	1.00	-0.74	0.76
		-0.24	0.12		-0.15	0.00		0.11	0.06		0.00	0.06		-0.27	0.10
CZ7M44	0.98	-0.31	0.36	0.55	0.02	0.52	0.10	-0.25	0.13	0.52	0.26	0.75	1.27	-0.01	0.44
		-0.13	0.04		0.00	0.06		-0.02	0.02		0.05	0.06		-0.01	0.06
PAPEWM	1.13	0.08	0.52	0.60	0.27	0.00	0.40	2.73	0.00	0.50	0.16		1.30	0.08	0.76
		0.03	0.06		0.05	0.00		0.27	0.00		0.03	0.00		0.03	0.10
8QG8D6	0.49	-1.53	0.02	0.16	-2.13	0.04				0.24	-1.35	0.07	0.64	-1.72	0.02
		-0.61	0.00		-0.39	0.00					-0.24	0.01		-0.63	0.00
4PWGDA	1.10	0.00	0.00	0.49	-0.33		0.11	-0.17		0.47	-0.01		1.34	0.19	
		0.00	0.00		-0.06	0.00		-0.02	0.00		0.00	0.00		0.07	0.00
TPMZPJ	0.92	-0.47	1.24	0.65	0.52	0.43	0.14	0.13	0.40	0.58	0.60	0.04	1.65	1.03	0.08
		-0.19	0.14		0.10	0.05		0.01	0.05		0.10	0.00		0.38	0.01
6YCNP4	0.80	-0.75	0.00	0.67	0.64	2.65	0.13	0.07	0.45	0.30	-0.98	0.00	1.27	-0.01	0.44
		-0.30	0.00		0.12	0.29		0.01	0.06		-0.17	0.00		-0.01	0.06
NT8YFL	3.64	6.34		2.52	10.83		1.31	11.82		2.83	13.49		3.48	6.03	
		2.54	0.00		1.97	0.00		1.18	0.00		2.36	0.00		2.21	0.00
Q77MKK	1.32	0.55		0.59	0.22		0.10	-0.27		0.60	0.74		1.68	1.11	
		0.22	0.00		0.04	0.00		-0.03	0.00		0.13	0.00		0.41	0.00
ALBLDW	1.25	0.37	0.41	0.63	0.45	0.22	0.18	0.56	0.16	0.60	0.76	0.55	1.51	0.64	2.14
		0.15	0.04		0.08	0.02		0.06	0.02		0.13	0.04		0.23	0.28
WN9D4A	0.06	-2.60		0.60	0.30	1.76	0.50	3.70	4.73	0.43	-0.23	0.42	1.21	-0.17	
		-1.04	0.00		0.05	0.19		0.37	0.61		-0.04	0.03		-0.06	0.00
Grand Median		1.10			0.55			0.13			0.47			1.27	
Median Abs Dev		0.22			0.09			0.03			0.09			0.22	
Avg Within Lab SD		0.11			0.11			0.13			0.08			0.13	
Labs Included		32			32			31			32			32	
Labs Reporting		32			32			31			32			32	



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

Zn - HCl (SubTestCode 173)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
QB3B2R	2.27	0.77	2.64	0.75	1.52	0.44	25.83	0.15	1.43	0.85	
		0.06		0.05		0.03		0.25		0.06	
89DUG9	2.00	0.99	3.05	1.28	1.37	0.16	28.93	0.57	1.74	0.37	
		0.08		0.08		0.01		0.96		0.03	
B63RJ3	1.40	1.19	2.37	0.88	1.27	1.67	22.83	1.63	1.10	1.46	
		0.10		0.06		0.12		2.75		0.10	
Grand Median		2.00		2.64		1.37		25.8		1.43	
Median Abs Dev											
Avg Within Lab SD		0.08		0.07		0.07		1.7		0.07	
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
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
B63RJ3	11.33	1.00 2.52	3.00	0.00	10.33	1.00 2.08	3.67	1.00 0.58	36.33	1.00 4.73	
Grand Median	11.3		3.00		10.3		3.67		36.3		
Median Abs Dev											
Avg Within Lab SD	2.5		0.00		2.1		0.58		4.7		
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		

CI - Ca(NO3)2 Extr. (SubTestCode 175)	in the Micronutrients Property Groups												Data units: mg/kg			
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
6WAFT7	4.70	0.06	0.00	7.07	0.04	0.07	6.60	-0.09	0.00	4.70	0.95	0.00	4.00	0.10		
		0.37	0.00		0.19	0.06		-0.22	0.00		1.88	0.00		0.21	0.00	
C47NEY	4.90	0.09	0.46	6.68	-0.04	0.49	7.38	0.23	0.32	2.75	-0.04	0.44	2.44	-0.68	0.14	
		0.56	0.27		-0.19	0.38		0.56	0.49		-0.08	0.29		-1.36	0.11	
7WA3K4	9.44	0.82	0.66	9.15	0.44	0.49	7.05	0.09	0.10	5.40	1.31	0.13	5.80	1.00	0.82	
		5.11	0.39		2.28	0.37		0.22	0.15		2.57	0.09		2.01	0.64	
4RZ3B8	3.91	-0.07	0.98	5.62	-0.24	1.27	6.57	-0.11	0.84	3.36	0.27	1.98	3.79	0.00	2.47	
		-0.42	0.58		-1.26	0.98		-0.25	1.27		0.54	1.31		0.00	1.93	
DZKJUJ	2.67	-0.27	0.49	4.67	-0.42	0.75	5.33	-0.62	0.38	1.50	-0.67		2.00	-0.90		
		-1.67	0.29		-2.21	0.58		-1.49	0.58		-1.32	0.00		-1.79	0.00	
QUDDLH	3.97	-0.06	0.26	5.87	-0.19	0.61	5.27	-0.65	0.10	1.97	-0.44	0.09	1.85	-0.98	0.29	
		-0.37	0.15		-1.01	0.47		-1.56	0.15		-0.86	0.06		-1.95	0.22	
UB76AM	20.93	2.65	0.86	13.33	1.24	0.30	8.23	0.59	0.69	2.90	0.04	0.45	6.70	1.46	0.26	
		16.60	0.50		6.46	0.23		1.41	1.05		0.08	0.30		2.91	0.20	
CZ7M44	3.90	-0.07	0.62	4.97	-0.37	0.07	12.00	2.17	0.66	2.70	-0.06	0.15	2.80	-0.50	0.46	
		-0.43	0.36		-1.91	0.06		5.18	1.00		-0.12	0.10		-0.99	0.36	
4PWGDA	3.40	-0.15		7.50	0.12		4.80	-0.85		2.30	-0.27					
		-0.93	0.00		0.63	0.00		-2.02	0.00		-0.52	0.00				
TPMZPJ	20.06	2.51	2.64	25.84	3.65	2.62	10.00	1.33	2.85	8.11	2.69	2.37	4.70	0.45	0.91	
		15.72	1.54		18.97	2.02		3.18	4.31		5.29	1.56		0.91	0.71	
Grand Median		4.33		6.87			6.82			2.82			3.79			
Median Abs Dev		0.75		1.58			1.45			0.70			1.36			
Avg Within Lab SD		0.59		0.77			1.51			0.66			0.78			
Labs Included		10		10			10			10			9			
Labs Reporting		10		10			10			10			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															Data units: mg/kg
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
C47NEY	0.47	2.45	1.03	0.75	0.61	0.89	0.61	2.80	1.97	1.06	0.88	0.87	0.81	2.05	1.00	
		0.21	0.05		0.09	0.06		0.39	0.07		0.20	0.07		0.33	0.04	
7WA3K4	0.33	0.83	0.12	0.55	-0.71	0.14	0.28	0.41	0.06	0.87	0.02	0.07	0.33	-0.98	0.47	
		0.07	0.01		-0.10	0.01		0.06	0.00		0.01	0.01		-0.16	0.02	
VJYMAG	0.18	-0.81	1.05	0.55	-0.74	3.28	0.17	-0.38	0.42	0.80	-0.28	2.01	0.43	-0.33	2.13	
		-0.07	0.05		-0.11	0.21		-0.05	0.01		-0.06	0.16		-0.05	0.09	
382E77	0.28	0.26	0.21	0.75	0.66	0.18	0.22	0.00	0.22	0.99	0.55	0.27	0.49	0.01	0.21	
		0.02	0.01		0.10	0.01		0.00	0.01		0.12	0.02		0.00	0.01	
KZGFYV	0.23	-0.31	0.35	0.66	0.00	0.63	0.14	-0.59	0.89	0.69	-0.79	0.45	0.68	1.22	1.37	
		-0.03	0.02		0.00	0.04		-0.08	0.03		-0.18	0.04		0.19	0.06	
3D69EG	0.28	0.26	0.35	0.72	0.41	0.32	0.87	4.74	1.65	0.93	0.30	0.47	0.68	1.26	0.14	
		0.02	0.02		0.06	0.02		0.65	0.06		0.07	0.04		0.20	0.01	
BL7NF7	0.24	-0.15	0.09	0.57	-0.58	0.07	0.25	0.21	0.50	0.63	-1.04	0.30	0.44	-0.29	0.25	
		-0.01	0.00		-0.08	0.00		0.03	0.02		-0.23	0.02		-0.05	0.01	
XX43YG	0.32	0.77	1.18	0.65	-0.02	0.39	0.28	0.47	1.02	0.72	-0.66	1.59	0.51	0.19	1.23	
		0.07	0.05		0.00	0.03		0.06	0.04		-0.15	0.12		0.03	0.05	
2Y8W7C	0.25	0.00	0.19	0.68	0.13	0.28	0.20	-0.11	0.12	0.88	0.06	0.60	0.46	-0.18	0.27	
		0.00	0.01		0.02	0.02		-0.01	0.00		0.01	0.05		-0.03	0.01	
B28ZB7	0.25	0.00	0.42	0.74	0.57	0.18	0.20	-0.10	0.33	0.99	0.55	0.38	0.46	-0.17	0.72	
		0.00	0.02		0.08	0.01		-0.01	0.01		0.12	0.03		-0.03	0.03	
89DUG9	0.47	2.54	0.37	0.94	1.92	0.60	0.33	0.78	0.43	1.34	2.14	0.56	0.74	1.64	0.59	
		0.22	0.02		0.28	0.04		0.11	0.01		0.48	0.04		0.26	0.02	
PAPEWM	0.23	-0.24	1.32	0.63	-0.16	0.90	0.30	0.59	0.00	0.80	-0.28	0.00	0.33	-0.94	1.44	
		-0.02	0.06		-0.02	0.06		0.08	0.00		-0.06	0.00		-0.15	0.06	
XKF48E	0.18	-0.81	2.63	0.63	-0.16	0.45	0.18	-0.26	0.84	0.82	-0.21	0.37	0.48	0.00	0.72	
		-0.07	0.12		-0.02	0.03		-0.04	0.03		-0.05	0.03		0.00	0.03	
F668JV	0.23	-0.25	1.10	0.71	0.38	0.61	0.21	-0.04	0.35	0.86	0.00	2.24	0.49	0.03	0.60	
		-0.02	0.05		0.06	0.04		-0.01	0.01		0.00	0.17		0.00	0.02	
FWELDX	0.24	-0.16	1.78	0.66	0.00	0.09	0.13	-0.67	0.67	0.86	0.00	1.04	0.45	-0.19	0.52	
		-0.01	0.08		0.00	0.01		-0.09	0.02		0.00	0.08		-0.03	0.02	
4PWGDA	0.36	1.23		0.99	2.28		0.28	0.44		1.26	1.78		0.62	0.86		
		0.11	0.00		0.33	0.00		0.06	0.00		0.40	0.00		0.14	0.00	
XLBLAF	0.27	0.19		0.87	1.46		0.22	0.01		1.19	1.47		0.56	0.48		
		0.02	0.00		0.21	0.00		0.00	0.00		0.33	0.00		0.08	0.00	
KN9DZT	0.21	-0.54	0.13	0.65	-0.05	2.02	0.21	-0.09	0.34	0.83	-0.16	2.00	0.38	-0.65	1.88	
		-0.05	0.01		-0.01	0.13		-0.01	0.01		-0.04	0.16		-0.10	0.08	
B63RJ3	0.17	-1.01	1.32	0.37	-1.99	0.90	0.20	-0.14	2.90	0.50	-1.63		0.27	-1.36	1.44	
		-0.09	0.06		-0.29	0.06		-0.02	0.10		-0.36	0.00		-0.22	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		0.25			0.66			0.22			0.86			0.48	
Median Abs Dev		0.03			0.08			0.05			0.12			0.08	
Avg Within Lab SD		0.04			0.06			0.03			0.08			0.04	
Labs Included		19			19			19			19			19	
Labs Reporting		19			19			19			19			19	



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

B-DTPA/Sorbitol (SubTestCode 177)			in the Micronutrients Property Groups												Data units: mg/kg	
	SRSSRS1511		SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515				
NRW8AP	0.14	-0.18	0.28	0.08	-1.12	0.56	0.02	-0.70	0.19	0.20	-1.05	0.58	0.07	-1.08	0.84	
		-0.02	0.01		-0.13	0.02		-0.06	0.00		-0.14	0.02		-0.10	0.02	
6WAFT7	0.04	-1.04	0.06	0.19	-0.16	0.07	0.05	-0.42	0.16	0.37	0.21	0.07	0.12	-0.50	0.00	
		-0.13	0.00		-0.02	0.00		-0.03	0.00		0.03	0.00		-0.05	0.00	
4RZ3B8	0.21	0.32	0.53	0.20	-0.07	0.29	0.08	0.00	1.15	0.31	-0.23	0.87	0.17	0.00	0.59	
		0.04	0.03		-0.01	0.01		0.00	0.02		-0.03	0.04		0.00	0.02	
C4PRLY	0.14	-0.22	0.42	0.22	0.07	0.67	0.07	-0.12	0.32	0.36	0.18	0.38	0.15	-0.18	0.00	
		-0.03	0.02		0.01	0.03		-0.01	0.01		0.03	0.02		-0.02	0.00	
477W66	0.11	-0.48	0.12	0.20	-0.07	0.15	0.07	-0.16	0.00	0.34	0.04	0.29	0.14	-0.25	0.22	
		-0.06	0.01		-0.01	0.01		-0.01	0.00		0.01	0.01		-0.02	0.01	
CE8C7V	0.28	0.88	0.97	0.23	0.17	0.69	0.08	0.00	0.73	0.38	0.28	0.74	0.18	0.17	1.04	
		0.11	0.05		0.02	0.03		0.00	0.01		0.04	0.03		0.02	0.03	
DZKJUJ	0.30	1.08	0.00	0.24	0.24	0.88	0.10	0.20	0.00	0.27	-0.53	0.71	0.20	0.36	0.00	
		0.13	0.00		0.03	0.03		0.02	0.00		-0.07	0.03		0.03	0.00	
QUDDLH	0.27	0.81	1.21	0.20	-0.10	2.55	0.10	0.20	0.00	0.33	-0.04	1.43	0.33	1.80	2.22	
		0.10	0.06		-0.01	0.10		0.02	0.00		-0.01	0.06		0.17	0.06	
M8UYGL				0.49	2.34	0.61	0.34	3.03	2.51	0.52	1.31	2.23	0.18	0.15	0.53	
					0.28	0.02		0.25	0.05		0.18	0.09		0.01	0.01	
RKW4MM	0.13	-0.27	1.21	0.23	0.18	1.47	0.10	0.20	0.00	0.30	-0.28	0.00	0.13	-0.36	2.22	
		-0.03	0.06		0.02	0.06		0.02	0.00		-0.04	0.00		-0.03	0.06	
CZ7M44	0.17	0.00	0.99	0.24	0.24	0.76	0.09	0.09	0.26	0.41	0.50	0.87	0.17	0.00	0.97	
		0.00	0.05		0.03	0.03		0.01	0.00		0.07	0.04		0.00	0.03	
TPMZPJ	0.20	0.27	2.09	0.56	2.92	0.88	0.30	2.58	2.37	0.80	3.36	0.25	0.39	2.43	0.58	
		0.03	0.10		0.34	0.03		0.22	0.04		0.46	0.01		0.23	0.02	
6YCNP4	0.40	1.89	1.81	0.15	-0.55	0.29	0.02	-0.76	0.00	0.22	-0.90	0.38	0.20	0.36	0.66	
		0.23	0.09		-0.07	0.01		-0.06	0.00		-0.12	0.02		0.03	0.02	
WN9D4A	0.00	-1.34		0.07	-1.21	1.17	0.00	-0.98		0.27	-0.53	1.92	0.00	-1.79		
		-0.17	0.00		-0.14	0.05		-0.08	0.00		-0.07	0.08		-0.17	0.00	
Grand Median		0.17			0.21			0.083			0.34			0.17		
Median Abs Dev		0.06			0.03			0.017			0.05			0.03		
Avg Within Lab SD		0.05			0.04			0.018			0.04			0.03		
Labs Included		13			14			14			14			14		
Labs Reporting		13			14			14			14			14		



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

Soil Kjeldahl N (SubTestCode 178)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAF7	0.12	0.15	0.23	0.14	-0.08	0.27	0.05	0.39	0.24	0.20	-0.48	0.14	0.12	-0.38	0.25
		0.00	0.00		0.00	0.00		0.01	0.00		-0.01	0.00		-0.01	0.00
VJYMAG	0.12	0.18	0.21	0.14	0.12	0.27	0.05	0.89	1.07	0.22	0.12	0.75	0.12	-0.05	0.55
		0.00	0.00		0.00	0.00		0.01	0.01		0.00	0.01		0.00	0.01
VAPLNG	0.07	-2.79	1.86	0.11	-1.93	3.14	0.02	-1.72	1.17	0.15	-2.37	2.38	0.08	-2.56	1.27
		-0.05	0.01		-0.03	0.03		-0.02	0.01		-0.06	0.02		-0.05	0.02
4RZ3B8	0.10	-0.82	1.58	0.12	-1.22	0.63	0.02	-1.17	1.15	0.20	-0.45	0.70	0.10	-1.42	0.38
		-0.01	0.01		-0.02	0.01		-0.02	0.01		-0.01	0.01		-0.03	0.00
C4PRLY	0.13	0.62	0.73	0.15	0.63	0.09	0.05	0.35	0.62	0.24	1.02	0.07	0.13	0.30	0.11
		0.01	0.00		0.01	0.00		0.00	0.00		0.03	0.00		0.01	0.00
CE8C7V	0.11	-0.47	0.65	0.13	-0.83	0.48	0.04	-0.05	1.05	0.20	-0.62	2.08	0.14	1.08	3.09
		-0.01	0.00		-0.01	0.00		0.00	0.01		-0.02	0.02		0.02	0.04
3D69EG	0.11	-0.62	1.07	0.13	-0.95	0.69	0.04	-0.05	2.03	0.20	-0.52	0.00	0.11	-0.68	0.00
		-0.01	0.01		-0.02	0.01		0.00	0.01		-0.01	0.00		-0.01	0.00
HMD97T	0.11	-0.60	0.32	0.13	-0.59	0.07	0.04	-0.38	0.23	0.21	-0.12	0.23	0.11	-0.59	0.10
		-0.01	0.00		-0.01	0.00		-0.01	0.00		0.00	0.00		-0.01	0.00
4PWGDA	0.12	0.28		0.15	0.14		0.04	-0.41		0.23	0.52		0.12	0.05	
		0.00	0.00		0.00	0.00		-0.01	0.00		0.01	0.00		0.00	0.00
B63RJ3	0.13	0.87	1.16	0.16	1.13	0.59	0.06	1.46	1.22	0.23	0.76	0.41	0.13	0.37	0.37
		0.01	0.01		0.02	0.00		0.02	0.01		0.02	0.00		0.01	0.00
P43R2G	0.13	0.54	1.54	0.15	0.40	0.67	0.06	1.17	0.94	0.23	0.65	0.84	0.13	0.56	0.37
		0.01	0.01		0.01	0.01		0.02	0.00		0.02	0.01		0.01	0.00
ALBLDW	0.11	-0.15	0.11	0.14	0.08	0.24	0.04	0.05	0.23	0.23	0.48	0.11	0.12	0.07	0.10
		0.00	0.00		0.00	0.00		0.00	0.00		0.01	0.00		0.00	0.00
Grand Median		0.12		0.14			0.041			0.21			0.12		
Median Abs Dev		0.01		0.01			0.006			0.01			0.01		
Avg Within Lab SD		0.01		0.01			0.005			0.01			0.01		
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		

Soil TN (combustion) (SubTestCode 179)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	0.11	-0.06	0.00	0.14	-0.20	0.00	0.05	0.26	0.00	0.21	-0.35	0.70	0.12	0.15	0.73	
		0.00	0.00		0.00	0.00		0.00	0.00		-0.01	0.01		0.00	0.01	
6WAFT7	0.12	0.76	0.19	0.15	0.45	0.29	0.06	0.71	0.48	0.23	0.24	0.00	0.13	0.66	0.04	
		0.01	0.00		0.01	0.00		0.01	0.00		0.01	0.00		0.01	0.00	
C47NEY	0.11	0.04	0.41	0.15	0.06	0.06	0.04	-0.86	0.08	0.22	0.00	0.14	0.12	0.03	0.12	
		0.00	0.00		0.00	0.00		-0.01	0.00		0.00	0.00		0.00	0.00	
C4PRLY	0.13	1.15	0.00	0.16	0.55	1.28	0.05	0.26	0.00	0.24	0.71	0.00	0.13	0.53	0.00	
		0.02	0.00		0.01	0.01		0.00	0.00		0.02	0.00		0.01	0.00	
CE8C7V	0.13	1.27	1.33	0.17	1.35	3.01	0.08	2.81	1.39	0.27	1.87	3.58	0.17	2.68	3.55	
		0.02	0.00		0.03	0.01		0.04	0.00		0.05	0.03		0.05	0.03	
QUDDLH	0.16	2.75	0.44	0.19	2.21	0.80	0.07	2.15	0.58	0.29	2.61	0.35	0.18	3.14	0.19	
		0.05	0.00		0.05	0.00		0.03	0.00		0.07	0.00		0.06	0.00	
CQF2X6	0.10	-0.67	0.00	0.20	2.48	0.00				0.20	-0.88	0.00	0.10	-1.16	0.00	
		-0.01	0.00		0.06	0.00					-0.02	0.00		-0.02	0.00	
UB76AM	0.11	-0.04	1.35	0.14	-0.06	0.44	0.04	-0.52	0.00	0.21	-0.41	0.25	0.11	-0.39	0.38	
		0.00	0.00		0.00	0.00		-0.01	0.00		-0.01	0.00		-0.01	0.00	
3D69EG	0.12	0.75	2.22	0.15	0.25	0.00	0.04	-0.26	1.93	0.23	0.32	0.00	0.13	0.53	0.00	
		0.01	0.01		0.01	0.00		0.00	0.01		0.01	0.00		0.01	0.00	
BRWXP6	0.11	-0.06	0.00	0.13	-0.64	0.00	0.05	0.26	0.00	0.22	-0.21	0.70	0.12	-0.03	0.00	
		0.00	0.00		-0.01	0.00		0.00	0.00		-0.01	0.01		0.00	0.00	
89DUG9	0.12	0.38	1.45	0.15	0.29	1.11	0.04	-0.29	0.67	0.23	0.50	0.07	0.13	0.79	0.19	
		0.01	0.00		0.01	0.01		0.00	0.00		0.01	0.00		0.01	0.00	
HMD97T	0.10	-0.40	0.27	0.13	-0.47	1.24	0.05	0.00	1.91	0.21	-0.63	0.28	0.12	-0.10	0.70	
		-0.01	0.00		-0.01	0.01		0.00	0.01		-0.02	0.00		0.00	0.01	
4PWGDA	0.11	-0.19	0.00	0.14	-0.33	0.00	0.04	-0.52	0.00	0.22	0.00	0.00	0.12	-0.09	0.00	
		0.00	0.00		-0.01	0.00		-0.01	0.00		0.00	0.00		0.00	0.00	
NT8YFL	0.11	-0.25	0.00	0.13	-0.46	0.00	0.05	0.18	0.00	0.20	-1.00	0.00	0.12	-0.26	0.00	
		0.00	0.00		-0.01	0.00		0.00	0.00		-0.03	0.00		0.00	0.00	
HNU6YT	0.13	1.35	2.22	0.14	-0.34	1.28	0.04	-0.50	2.17	0.23	0.18	1.39	0.12	-0.22	1.45	
		0.02	0.01		-0.01	0.01		-0.01	0.01		0.00	0.01		0.00	0.01	
Q77MKK	0.10	-0.67	0.00	0.13	-0.64	0.00	0.04	-0.52	0.00	0.20	-0.88	0.00	0.12	-0.03	0.00	
		-0.01	0.00		-0.01	0.00		-0.01	0.00		-0.02	0.00		0.00	0.00	
Grand Median		0.11		0.14			0.047			0.22			0.12			
Median Abs Dev		0.01		0.01			0.006			0.01			0.01			
Avg Within Lab SD		0.00		0.00			0.003			0.01			0.01			
Labs Included		16		16			15			16			16			
Labs Reporting		16		16			15			16			16			



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

Soil TOC (Combustion) (SubTestCode 180)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	1.24	0.55	0.95	1.57	0.17	0.34	0.53	-0.61	1.09	2.46	0.45	0.82	1.13	0.28	1.96	
		0.04	0.03		0.01	0.01		-0.04	0.03		0.06	0.05		0.02	0.03	
C47NEY	1.22	0.29	0.25	1.60	0.58	0.26	0.48	-1.31	0.04	2.45	0.38	0.02	1.14	0.54	0.25	
		0.02	0.01		0.05	0.00		-0.08	0.00		0.05	0.00		0.03	0.00	
UB76AM	1.20	-0.07	0.22	1.55	0.00	0.21	0.56	-0.06	0.19	2.35	-0.34	0.55	1.09	-0.30	0.86	
		0.00	0.01		0.00	0.00		0.00	0.01		-0.05	0.03		-0.02	0.01	
3D69EG	1.37	2.67	1.28	1.78	2.75	0.89	0.66	1.57	2.25	2.73	2.40	0.71	1.26	2.37	1.43	
		0.17	0.04		0.22	0.02		0.10	0.06		0.33	0.04		0.15	0.02	
B28ZB7	1.12	-1.21	2.55	1.55	-0.03	2.39	0.47	-1.46	1.17	2.24	-1.10	2.66	1.09	-0.26	1.74	
		-0.08	0.08		0.00	0.04		-0.09	0.03		-0.15	0.15		-0.02	0.03	
BRWXP6	1.17	-0.41	0.37	1.47	-0.96	0.34	0.57	0.05	0.22	2.38	-0.10	1.05	1.10	-0.11	0.40	
		-0.03	0.01		-0.08	0.01		0.00	0.01		-0.01	0.06		-0.01	0.01	
89DUG9	1.19	-0.16	0.24	1.57	0.27	0.30	0.64	1.30	0.94	2.57	1.27	0.42	1.15	0.72	0.38	
		-0.01	0.01		0.02	0.01		0.08	0.03		0.18	0.02		0.04	0.01	
HMD97T	1.19	-0.20	0.65	1.52	-0.39	0.97	0.56	0.00	1.42	2.39	0.00	0.99	1.08	-0.48	0.60	
		-0.01	0.02		-0.03	0.02		0.00	0.04		0.00	0.06		-0.03	0.01	
4PWGDA	1.28	1.23		1.55	-0.02		0.58	0.27		2.29	-0.74		1.15	0.65		
		0.08	0.00		0.00	0.00		0.02	0.00		-0.10	0.00		0.04	0.00	
NT8YFL	1.20	0.00		1.57	0.22		0.57	0.11		2.40	0.05		1.11	0.00		
		0.00	0.00		0.02	0.00		0.01	0.00		0.01	0.00		0.00	0.00	
HNU6YT	1.24	0.62	1.10	1.39	-2.02	1.77	0.52	-0.68	0.64	2.31	-0.60	0.46	1.00	-1.72	0.79	
		0.04	0.03		-0.17	0.03		-0.04	0.02		-0.08	0.03		-0.11	0.01	
Q77MKK	2.16	14.81		2.75	14.67		1.10	8.71		4.22	13.13		2.26	18.56		
		0.96	0.00		1.20	0.00		0.54	0.00		1.83	0.00		1.15	0.00	
Grand Median		1.20		1.55			0.56			2.39			1.11			
Median Abs Dev		0.03		0.02			0.04			0.06			0.03			
Avg Within Lab SD		0.03		0.02			0.03			0.06			0.01			
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		

SOM - Walkley-Black (SubTestCode 181)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAF7	2.48	0.66	0.49	2.66	0.19	0.50	1.08	0.19	0.18	4.37	0.88	0.68	2.07	0.57	0.65
		0.21	0.06		0.10	0.06		0.06	0.06		0.60	0.09		0.22	0.09
VJYMAG	2.68	1.32	0.83	1.89	-1.21	1.53	0.61	-1.33	0.55	3.47	-0.44	1.14	1.46	-1.04	1.66
		0.42	0.10		-0.67	0.17		-0.42	0.18		-0.30	0.16		-0.39	0.24
477W66	2.46	0.62	1.75	2.88	0.57	0.05	1.05	0.09	0.03	3.94	0.24	1.40	2.14	0.74	0.84
		0.20	0.20		0.32	0.01		0.03	0.01		0.17	0.19		0.28	0.12
CE8C7V	2.33	0.21	0.50	2.67	0.19	2.30	0.83	-0.61	0.46	3.70	-0.10	0.00	1.43	-1.12	2.83
		0.07	0.06		0.11	0.25		-0.19	0.15		-0.07	0.00		-0.42	0.40
8NA3L2	2.23	-0.11	1.80	1.27	-2.33	0.53	0.37	-2.10	0.17	2.70	-1.56	2.64	1.77	-0.24	1.07
		-0.03	0.21		-1.29	0.06		-0.66	0.06		-1.07	0.36		-0.09	0.15
QB3B2R	2.53	0.84	0.44	2.25	-0.55	0.71	1.02	0.00	0.05	3.58	-0.27	0.42	1.52	-0.90	0.15
		0.27	0.05		-0.31	0.08		0.00	0.02		-0.19	0.06		-0.34	0.02
UB76AM	2.30	0.11		2.70	0.25		1.04	0.05		4.02	0.36		2.05	0.51	
		0.03	0.00		0.14	0.00		0.02	0.00		0.25	0.00		0.19	0.00
XX43YG	2.11	-0.49	2.40	2.50	-0.10	2.37	1.43	1.31	3.99	3.57	-0.29	2.02	1.79	-0.17	1.57
		-0.15	0.28		-0.06	0.26		0.41	1.33		-0.20	0.28		-0.06	0.22
GLNMZX	2.04	-0.71	0.66	3.56	1.81	0.35	1.21	0.61	0.31	4.70	1.36	0.26	2.34	1.28	0.41
		-0.22	0.08		1.00	0.04		0.19	0.11		0.93	0.04		0.49	0.06
89DUG9	2.89	1.96	0.49	3.23	1.20	0.19	1.48	1.45	0.10	4.68	1.32	0.34	2.44	1.54	0.38
		0.62	0.06		0.67	0.02		0.45	0.03		0.90	0.05		0.58	0.05
HMD97T	2.16	-0.33	0.53	2.52	-0.07	0.37	0.97	-0.16	0.16	3.84	0.10	0.48	1.86	0.00	0.22
		-0.10	0.06		-0.04	0.04		-0.05	0.05		0.07	0.07		0.00	0.03
PAPEWM	1.97	-0.95	0.50	2.00	-1.01		1.10	0.25	0.00	2.40	-2.00	0.73	1.70	-0.41	0.00
		-0.30	0.06		-0.56	0.00		0.08	0.00		-1.37	0.10		-0.16	0.00
4PWGDA	1.67	-1.89		2.03	-0.95		0.74	-0.91		3.29	-0.70		1.56	-0.78	
		-0.60	0.00		-0.53	0.00		-0.28	0.00		-0.48	0.00		-0.30	0.00
6YCNP4	2.23	-0.11	0.50	2.67	0.19	0.53	0.97	-0.18	0.17	3.97	0.28	0.42	1.93	0.20	0.40
		-0.03	0.06		0.11	0.06		-0.06	0.06		0.19	0.06		0.08	0.06
P43R2G	2.38	0.37	0.13	2.92	0.66	0.97	1.39	1.18	0.09	4.73	1.40	0.70	2.25	1.05	0.43
		0.12	0.02		0.36	0.11		0.37	0.03		0.96	0.10		0.40	0.06
ALBLDW	2.23	-0.13	1.04	2.46	-0.18	1.10	0.96	-0.19	0.61	3.77	0.00	0.68	1.86	0.00	0.88
		-0.04	0.12		-0.10	0.12		-0.06	0.20		0.00	0.09		0.00	0.13
WN9D4A				2.56	0.00	0.00	0.76	-0.84		3.66	-0.16		2.21	0.93	
					0.00			-0.26	0.00		-0.11	0.00		0.35	0.00
Grand Median		2.27			2.56			1.02			3.77			1.86	
Median Abs Dev		0.18			0.31			0.19			0.25			0.28	
Avg Within Lab SD		0.12			0.11			0.33			0.14			0.14	
Labs Included		16			17			17			17			17	
Labs Reporting		16			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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
MGZK6N	2.18	-1.51	0.52	2.45	-1.71	0.42	0.81	-1.21	0.87	3.83	-1.10	0.15	2.17	-1.26	0.16	
		-0.32	0.03		-0.52	0.04		-0.15	0.05		-0.48	0.02		-0.54	0.04	
C47NEY	2.47	-0.16	0.83	2.91	-0.21	0.37	0.91	-0.42	0.19	4.04	-0.62	0.42	2.54	-0.40	0.16	
		-0.03	0.06		-0.06	0.03		-0.05	0.01		-0.27	0.05		-0.17	0.04	
7WA3K4	2.64	0.67	0.57	3.16	0.60	0.37	1.03	0.59	0.99	4.47	0.37	0.31	2.75	0.09	0.26	
		0.14	0.04		0.18	0.04		0.07	0.06		0.16	0.04		0.04	0.06	
CP6CHY	2.77	1.26	0.87	3.23	0.85	0.61	1.20	1.98	1.73	4.37	0.14	1.02	2.73	0.05	0.25	
		0.27	0.06		0.26	0.06		0.24	0.10		0.06	0.12		0.02	0.06	
VJYMAG	2.79	1.38	1.80	3.40	1.40	1.27	1.06	0.86	1.60	5.00	1.61	1.18	3.28	1.33	1.18	
		0.29	0.12		0.43	0.12		0.11	0.09		0.70	0.13		0.57	0.27	
4RZ3B8	2.58	0.39	1.37	3.13	0.50	1.68	0.98	0.18	0.52	4.45	0.33	1.49	2.81	0.23	0.78	
		0.08	0.09		0.15	0.16		0.02	0.03		0.14	0.17		0.10	0.18	
J7BMPT	3.13	2.98	1.74	4.07	3.58	1.60	1.20	1.98	3.00	5.67	3.15	1.84	4.23	3.53	0.25	
		0.63	0.12		1.09	0.15		0.24	0.17		1.36	0.21		1.52	0.06	
C4PRLY	2.75	1.19	1.94	2.96	-0.03	1.45	1.02	0.50	2.17	4.46	0.35	3.27	3.16	1.05	0.79	
		0.25	0.13		-0.01	0.14		0.06	0.13		0.15	0.37		0.45	0.18	
8MDKJZ	2.39	-0.53	0.61	2.68	-0.97	2.70	0.99	0.29	0.80	4.08	-0.53	0.37	2.21	-1.17	1.02	
		-0.11	0.04		-0.30	0.26		0.04	0.05		-0.23	0.04		-0.51	0.23	
Q4YHTG	2.50	0.00	2.65	3.10	0.43	0.71	0.96	0.01	0.30	4.60	0.69	1.09	2.92	0.48	0.22	
		0.00	0.18		0.13	0.07		0.00	0.02		0.30	0.12		0.21	0.05	
CE8C7V	2.28	-1.02	1.24	2.93	-0.13	1.90	0.88	-0.60	1.49	4.40	0.22	1.41	3.10	0.90	0.69	
		-0.22	0.08		-0.04	0.18		-0.07	0.09		0.10	0.16		0.39	0.16	
DZKJUJ	2.48	-0.08	0.44	2.93	-0.13	0.61	0.80	-1.29	0.00	4.30	-0.01	0.88	2.63	-0.18	0.25	
		-0.02	0.03		-0.04	0.06		-0.16	0.00		-0.01	0.10		-0.08	0.06	
KQWZGM	2.24	-1.22	0.84	2.48	-1.60	1.03	0.88	-0.67	0.26	3.75	-1.29	0.54	2.61	-0.23	0.14	
		-0.26	0.06		-0.49	0.10		-0.08	0.02		-0.56	0.06		-0.10	0.03	
JR9FBN	2.43	-0.31	0.87	3.07	0.31	1.21	0.90	-0.48	0.00	4.50	0.45	0.88	2.83	0.28	0.50	
		-0.07	0.06		0.09	0.12		-0.06	0.00		0.20	0.10		0.12	0.12	
8NA3L2	2.77	1.26	0.87	3.27	0.96	1.21	1.03	0.61	1.00	4.80	1.14	0.00	2.80	0.21	0.00	
		0.27	0.06		0.29	0.12		0.08	0.06		0.50	0.00		0.09	0.00	
382E77	2.46	-0.19	0.50	2.65	-1.04	0.43	1.01	0.44	0.28	3.69	-1.41	1.12	3.25	1.25	0.46	
		-0.04	0.03		-0.32	0.04		0.05	0.02		-0.61	0.13		0.54	0.11	
32WJM7	2.64	0.66	0.45	3.43	1.48	0.76	0.97	0.12	0.10	4.56	0.58	0.57	3.20	1.13	0.39	
		0.14	0.03		0.45	0.07		0.02	0.01		0.25	0.06		0.49	0.09	
QUDDLH	2.65	0.69	0.38	3.10	0.40	0.16	0.96	-0.01	0.85	4.46	0.37	0.59	2.72	0.03	0.18	
		0.15	0.03		0.12	0.02		0.00	0.05		0.16	0.07		0.01	0.04	
KQRJHN	2.50	-0.02	0.09	3.14	0.55	0.10	0.89	-0.53	0.20	4.52	0.50	0.15	2.92	0.49	0.07	
		0.00	0.01		0.17	0.01		-0.07	0.01		0.22	0.02		0.21	0.02	
G9MNCZ	2.48	-0.09	0.40	2.90	-0.23	0.40	0.97	0.10	0.60	4.04	-0.62	0.31	2.56	-0.36	0.22	
		-0.02	0.03		-0.07	0.04		0.01	0.03		-0.27	0.04		-0.16	0.05	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
G6NDG2	2.57	0.33	1.48	2.58	-1.30	0.26	0.90	-0.45	0.10	3.81	-1.14	0.64	2.66	-0.13	0.47
		0.07	0.10		-0.40	0.03		-0.06	0.01		-0.49	0.07		-0.06	0.11
CQF2X6	2.30	-0.94	0.00	2.83	-0.46	0.61	0.97	0.07	1.00	4.00	-0.70		2.47	-0.57	0.25
		-0.20	0.00		-0.14	0.06		0.01	0.06		-0.31	0.00		-0.25	0.06
KZGFYV	2.13	-1.74	0.26	2.55	-1.38	0.28	0.80	-1.32	0.26	3.68	-1.44	0.55	2.47	-0.56	0.04
		-0.37	0.02		-0.42	0.03		-0.16	0.02		-0.63	0.06		-0.24	0.01
MKUMMU	2.67	0.80	0.54	2.83	-0.48	2.50	0.59	-3.01	2.29	3.75	-1.29	1.73	2.11	-1.40	0.43
		0.17	0.04		-0.15	0.24		-0.37	0.13		-0.56	0.20		-0.60	0.10
UB76AM	2.33	-0.78	0.87	2.97	-0.02	1.21	0.90	-0.48	0.00	4.10	-0.47	0.00	3.30	1.37	0.44
		-0.17	0.06		-0.01	0.12		-0.06	0.00		-0.21	0.00		0.59	0.10
3D69EG	2.59	0.42	0.15	3.23	0.84	0.00	0.98	0.15	0.70	4.52	0.49	0.18	2.91	0.45	0.05
		0.09	0.01		0.26	0.00		0.02	0.04		0.21	0.02		0.20	0.01
BL7NF7	2.50	0.00	1.51	3.07	0.31	1.21	0.97	0.07	1.00	4.37	0.14	0.51	2.73	0.05	0.25
		0.00	0.10		0.09	0.12		0.01	0.06		0.06	0.06		0.02	0.06
KXVCQX	2.28	-1.05	0.68	2.77	-0.68	0.68	0.97	0.07	1.18	4.08	-0.52	1.36	2.28	-1.00	0.37
		-0.22	0.05		-0.21	0.07		0.01	0.07		-0.23	0.15		-0.43	0.09
WR44BL	2.58	0.37	0.00	2.94	-0.09	0.01	1.01	0.43	0.00	4.30	-0.01	0.00	1.81	-2.09	5.85
		0.08	0.00		-0.03	0.00		0.05	0.00		-0.01	0.00		-0.90	1.35
4C4V8E	2.23	-1.26	0.87	2.80	-0.57	0.00	0.77	-1.57	1.00	4.17	-0.32	0.51	2.43	-0.65	0.25
		-0.27	0.06		-0.17	0.00		-0.19	0.06		-0.14	0.06		-0.28	0.06
XX43YG	2.50	0.02	0.35	3.05	0.24	0.40	0.96	-0.01	0.36	4.28	-0.05	0.13	2.62	-0.21	0.07
		0.00	0.02		0.07	0.04		0.00	0.02		-0.02	0.02		-0.09	0.02
LDGEMR	2.21	-1.38	16.07	3.27	0.97	10.39	2.70	14.27	28.18	3.11	-2.77	3.00	2.95	0.55	7.82
		-0.29	1.07		0.30	0.99		1.75	1.63		-1.20	0.34		0.24	1.80
Y3EFFF	2.43	-0.31	1.28	3.02	0.16	0.71	0.84	-0.94	0.82	4.42	0.27	2.08	2.87	0.36	0.18
		-0.07	0.09		0.05	0.07		-0.12	0.05		0.12	0.24		0.16	0.04
RKW4MM	2.50	0.00		2.93	-0.13	0.61	0.93	-0.20	1.00	4.20	-0.24	0.00	2.70	-0.03	0.00
		0.00	0.00		-0.04	0.06		-0.03	0.06		-0.11	0.00		-0.01	0.00
4F7V8B	2.57	0.33	0.40	3.05	0.26	0.88	0.93	-0.23	0.35	4.31	0.01	0.09	2.70	-0.03	0.10
		0.07	0.03		0.08	0.08		-0.03	0.02		0.01	0.01		-0.02	0.02
CZ7M44	2.57	0.31	0.87	3.03	0.20	0.61	0.98	0.18	0.46	4.43	0.30	0.51	2.63	-0.18	0.25
		0.07	0.06		0.06	0.06		0.02	0.03		0.13	0.06		-0.08	0.06
HMD97T	2.51	0.03	0.14	3.07	0.32	0.10	0.97	0.09	0.42	4.56	0.58	0.19	2.58	-0.31	0.03
		0.01	0.01		0.10	0.01		0.01	0.02		0.25	0.02		-0.13	0.01
7L7UV7	2.50	0.00	1.51	2.87	-0.35	0.61	0.77	-1.57	1.00	4.83	1.22	1.02	2.47	-0.57	0.25
		0.00	0.10		-0.11	0.06		-0.19	0.06		0.53	0.12		-0.25	0.06
4PWGDA	2.40	-0.47		3.00	0.09		1.10	1.16		4.10	-0.47		2.90	0.44	
		-0.10	0.00		0.03	0.00		0.14	0.00		-0.21	0.00		0.19	0.00
XLBLAF	2.70	0.94		2.98	0.02		1.18	1.81		4.57	0.61		2.32	-0.91	
		0.20	0.00		0.01	0.00		0.22	0.00		0.27	0.00		-0.39	0.00
B63RJ3	2.17	-1.57	0.87	2.53	-1.44	0.61	0.87	-0.75	1.00	3.67	-1.47	0.51	2.27	-1.03	0.25
		-0.33	0.06		-0.44	0.06		-0.09	0.06		-0.64	0.06		-0.45	0.06
TPMZPJ	2.68	0.86	0.57	3.54	1.86	0.89	0.94	-0.15	0.17	4.70	0.92	1.37	3.25	1.25	0.72
		0.18	0.04		0.57	0.09		-0.02	0.01		0.40	0.16		0.54	0.17



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
HNU6YT	2.47	-0.16	1.74	2.97	-0.02	1.21	0.87	-0.75	1.00	4.23	-0.17	1.35	2.77	0.13	0.91
		-0.03	0.12		-0.01	0.12		-0.09	0.06		-0.07	0.15		0.06	0.21
Grand Median		2.50			2.97			0.96			4.31			2.71	
Median Abs Dev		0.11			0.14			0.06			0.22			0.20	
Avg Within Lab SD		0.07			0.10			0.06			0.11			0.23	
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

CaCO3 Content (SubTestCode 183)	in the Content Property Groups										Data units: Percent						
	SRSSRS1511	SRSSRS1512	SRSSRS1513	SRSSRS1514	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515	SRSSRS1515						
VJYMAG	0.52	1.73	0.48	1.73	0.19	1.73	0.13	-0.14	2.00	0.20	1.73						
		0.09		0.03		0.05		-0.60	0.06		0.03						
DZKJUJ	0.10	0.00	0.10	0.00	0.10	0.00	0.20	-0.13	0.00	0.10	0.00						
		0.00		0.00		0.00		-0.54	0.00		0.00						
4PWGDA							1.27	0.13									
								0.54	0.00								
Q77MKK	8.43		9.14		7.20		10.45	2.30		8.31							
		0.00		0.00		0.00		9.72	0.00		0.00						
Grand Median		0.52		0.48		0.19		0.74			0.20						
Median Abs Dev								0.57									
Avg Within Lab SD		0.05		0.01		0.03		0.03			0.01						
Labs Included		3		3		3		4			3						
Labs Reporting		3		3		3		4			3						



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

CEC - Cation Displacement (SubTestCode 184)	in the Other 1 Property Groups												Data units: cmol/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAFT7	6.4	-0.1	0.3	17.3	0.0	0.4	2.6	-0.1	0.9	19.1	0.4	0.3	19.2	-0.2	0.3
		-0.3	0.1		0.1	0.2		-0.1	0.2		2.0	0.3		-0.9	0.3
C4PRLY	5.2	-0.5	0.2	14.6	-0.6	0.1	2.2	-0.4	0.2	14.6	-0.5	0.3	17.0	-0.8	0.4
		-1.5	0.0		-2.5	0.0		-0.5	0.0		-2.5	0.3		-3.2	0.4
CE8C7V	7.0	0.1	1.5	16.2	-0.2	0.8	3.5	0.7	0.9	17.2	0.0	0.4	18.1	-0.5	0.2
		0.3	0.3		-0.9	0.3		0.8	0.2		0.1	0.4		-2.1	0.3
8NA3L2	17.3	3.5	1.8	28.3	2.8	2.5	6.6	3.2	2.0	30.3	2.9	2.6	30.0	2.4	2.6
		10.6	0.3		11.2	0.9		4.0	0.4		13.2	2.4		9.8	2.6
UB76AM	6.6	-0.1		17.4	0.1		2.6	-0.1		16.6	-0.1		20.4	0.0	
		-0.2	0.0		0.3	0.0		-0.1	0.0		-0.5	0.0		0.2	0.0
4PWGDA	8.9	0.7		22.7	1.4		3.1	0.3		22.7	1.2		26.0	1.4	
		2.2	0.0		5.5	0.0		0.4	0.0		5.6	0.0		5.8	0.0
6YCNP4	6.9	0.1	1.5	15.9	-0.3	0.6	2.8	0.1	0.3	17.0	0.0	0.8	20.3	0.0	1.0
		0.2	0.3		-1.2	0.2		0.1	0.1		-0.1	0.7		0.1	1.0
ALBLDW	5.6	-0.4	0.5	17.0	0.0	0.7	2.0	-0.5	1.5	16.2	-0.2	0.5	20.0	0.0	0.0
		-1.1	0.1		-0.1	0.2		-0.7	0.3		-0.9	0.4		-0.1	0.0
Grand Median		6.71			17.2			2.69			17.1			20.2	
Median Abs Dev		0.71			1.1			0.46			1.4			1.5	
Avg Within Lab SD		0.17			0.4			0.19			0.9			1.0	
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		

CEC - Estimation (SubTestCode 185)	in the Other 1 Property Groups												Data units: cmol/kg		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
VJYMAG	4.9	-0.8	1.6	17.9	1.0	2.0	3.1	-0.4	0.8	19.4	1.3	0.8	18.9	0.0	1.2
		-1.1	0.5		1.9	1.5		-0.5	0.1		4.0	0.9		0.0	0.8
4RZ3B8	8.8	2.2	0.6	17.5	0.8	0.2	4.7	1.1	0.8	14.6	-0.2	0.3	23.4	1.1	1.0
		2.8	0.2		1.5	0.1		1.2	0.1		-0.8	0.4		4.4	0.7
32WJM7	3.4	-2.0	0.4	15.3	-0.4	0.3	2.2	-1.2	0.0	15.4	0.0	0.2	15.7	-0.8	0.4
		-2.6	0.1		-0.7	0.2		-1.3	0.0		0.0	0.3		-3.3	0.3
QUDDLH	6.6	0.5	1.5	16.0	0.0	0.5	3.4	-0.1	0.4	13.5	-0.6	0.0	20.9	0.5	1.2
		0.7	0.5		0.0	0.4		-0.1	0.1		-1.9	0.1		2.0	0.9
3D69EG	5.9	-0.1	0.3	11.6	-2.3	0.2	3.1	-0.3	0.7	12.2	-1.0	0.5	14.0	-1.2	0.4
		-0.1	0.1		-4.4	0.1		-0.4	0.1		-3.2	0.6		-4.9	0.3
HMD97T	6.2	0.1	0.1	15.1	-0.5	0.1				13.4	-0.6	0.4	22.7	0.9	0.5
		0.2	0.0		-0.9	0.1					-2.0	0.4		3.8	0.3
7L7UV7	5.8	-0.1	0.4	15.6	-0.2	0.6	5.8	2.1	1.9	15.9	0.1	0.6	17.1	-0.4	1.3
		-0.1	0.1		-0.4	0.5		2.3	0.3		0.5	0.8		-1.8	1.0
XKF48E	6.0	0.0	1.5	16.5	0.3	1.3	3.7	0.2	0.7	18.8	1.1	1.0	20.5	0.4	1.6
		0.0	0.5		0.5	1.0		0.2	0.1		3.4	1.2		1.6	1.2
TAEMVG	6.2	0.2	1.1	17.4	0.7	1.6	3.6	0.1	1.3	19.2	1.2	2.5	15.9	-0.7	0.6
		0.3	0.4		1.4	1.2		0.1	0.2		3.8	3.1		-3.0	0.4
Grand Median		5.97		16.0			3.52			15.4			18.9		
Median Abs Dev		0.27		0.9			0.42			2.0			3.0		
Avg Within Lab SD		0.32		0.7			0.14			1.2			0.7		
Labs Included		9		9			8			9			9		
Labs Reporting		9		9			8			9			9		



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAFT7	1.46	-0.05	0.14	1.32	0.17	0.15	1.56	-0.05	0.61	1.20	0.01	0.12	1.38	-0.06	0.28
		-0.02	0.01		0.05	0.01		-0.02	0.01		0.00	0.01		-0.02	0.01
VJYMAG	1.50	0.09	0.43	1.22	-0.15	0.13	1.65	0.20	0.80	1.13	-0.36	0.06	1.33	-0.27	0.39
		0.03	0.02		-0.05	0.01		0.07	0.02		-0.07	0.00		-0.07	0.01
2Y8W7C	1.49	0.05	0.04	1.31	0.15	0.14	1.60	0.05	1.23	1.27	0.32	0.18	1.42	0.11	0.30
		0.02	0.00		0.05	0.01		0.02	0.02		0.07	0.01		0.03	0.01
KN9DZT	1.26	-0.69	0.87	1.14	-0.41	0.64	1.47	-0.32	1.32	1.05	-0.75	0.32	1.20	-0.78	1.99
		-0.21	0.04		-0.13	0.03		-0.11	0.03		-0.16	0.02		-0.19	0.04
TAEMVG	1.11	-1.16	1.84	1.10	-0.52	2.31	1.47	-0.32	0.80	1.20	-0.01	1.05	1.41	0.06	1.20
		-0.36	0.08		-0.16	0.09		-0.11	0.02		0.00	0.05		0.02	0.03
HNU6YT	2.09	1.99	1.28	2.07	2.63	0.44	2.69	3.11	1.05	1.74	2.61	2.18	2.06	2.76	0.55
		0.62	0.05		0.81	0.02		1.11	0.02		0.54	0.10		0.67	0.01
Grand Median		1.47		1.26			1.58			1.20			1.39		
Median Abs Dev		0.12		0.09			0.09			0.07			0.05		
Avg Within Lab SD		0.04		0.04			0.02			0.05			0.02		
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		

Sand 2000 - 50 um (SubTestCode 187)	in the Particle Size Analysis Property Groups															Data units: Percent
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	47.1	-0.2	0.6	21.3	-0.2		91.3	0.0	1.7	12.5	-0.5	0.9	25.4	-0.5	0.4	
		-0.9	0.7		-1.1	0.0		-0.1	1.3		-3.8	1.3		-3.6	0.7	
6WAFT7	49.7	0.3	0.5	22.3	0.0	0.4	94.5	0.8	0.7	16.7	0.0	0.4	27.7	-0.2	0.3	
		1.7	0.6		0.0	0.6		3.2	0.5		0.3	0.6		-1.3	0.6	
C47NEY	53.0	0.9		27.3	0.8	0.4	93.0	0.4		21.0	0.6		31.3	0.3	0.3	
		5.0	0.0		5.0	0.6		1.7	0.0		4.7	0.0		2.3	0.6	
VJYMAG	50.0	0.4	1.6	23.7	0.2	0.4	91.0	-0.1	1.3	16.3	0.0	0.4	29.0	0.0	0.9	
		2.0	2.0		1.3	0.6		-0.3	1.0		0.0	0.6		0.0	1.7	
4RZ3B8	49.9	0.3	1.9	22.5	0.0	0.4	92.5	0.3	0.8	19.2	0.4	0.9	38.5	1.4	1.8	
		1.9	2.3		0.2	0.6		1.2	0.6		2.9	1.2		9.5	3.4	
8NA3L2	46.7	-0.2	0.9	25.3	0.5	2.1	89.7	-0.4	0.8	16.7	0.0	1.7	30.0	0.1	1.9	
		-1.3	1.2		3.0	3.1		-1.7	0.6		0.3	2.3		1.0	3.5	
382E77	55.3	1.3	0.9	23.3	0.2	0.8	92.7	0.3	1.5	28.3	1.5	0.9	27.7	-0.2	0.6	
		7.3	1.2		1.0	1.2		1.3	1.2		12.0	1.2		-1.3	1.2	
32WJM7	38.1	-1.8	0.7	14.8	-1.3	0.2	89.5	-0.5	1.4	12.2	-0.5	0.9	18.2	-1.6	0.5	
		-9.9	0.8		-7.5	0.3		-1.9	1.0		-4.1	1.2		-10.8	0.9	
QUDDLH	61.0	2.4		25.0	0.5		91.0	-0.1		31.0	1.8		39.0	1.5		
		13.0	0.0		2.7	0.0		-0.3	0.0		14.7	0.0		10.0	0.0	
G6NDG2	52.2	0.8	0.0	31.8	1.6	0.0	92.9	0.4	0.0	25.0	1.1		34.6	0.8	0.0	
		4.2	0.0		9.5	0.0		1.6	0.0		8.7	0.0		5.6	0.0	
QB3B2R	48.0	0.0		22.0	-0.1		84.0	-1.9		7.0	-1.1		32.0	0.4		
		0.0	0.0		-0.3	0.0		-7.3	0.0		-9.3	0.0		3.0	0.0	
3D69EG	35.8	-2.2		15.8	-1.1		87.8	-0.9		7.8	-1.0		21.8	-1.1	0.0	
		-12.2	0.0		-6.5	0.0		-3.5	0.0		-8.5	0.0		-7.2	0.0	
2Y8W7C	48.0	0.0		18.7	-0.6	1.6	88.0	-0.9		6.7	-1.2	1.7	26.7	-0.3	1.3	
		0.0	0.0		-3.7	2.3		-3.3	0.0		-9.7	2.3		-2.3	2.3	
B28ZB7	51.2	0.6	1.2	28.1	1.0	2.2	95.6	1.1	0.2	20.3	0.5	2.1	32.9	0.6	2.5	
		3.2	1.5		5.7	3.2		4.3	0.2		4.0	2.9		3.9	4.6	
CZ7M44	48.0	0.0	2.8	25.3	0.5	2.1	94.0	0.7	2.7	15.3	-0.1	2.3	29.3	0.0	1.7	
		0.0	3.5		3.0	3.1		2.7	2.0		-1.0	3.1		0.3	3.1	
QV4LLK	50.3	0.4	1.9	20.7	-0.3	1.4	91.3	0.0	2.0	15.7	-0.1	2.3	23.7	-0.8	1.7	
		2.3	2.3		-1.7	2.1		0.0	1.5		-0.7	3.1		-5.3	3.1	
F668JV	46.3	-0.3	0.9	21.7	-0.1	0.8	89.3	-0.5	1.5	32.0	1.9		30.0	0.1		
		-1.7	1.2		-0.7	1.2		-2.0	1.2		15.7	0.0		1.0	0.0	
FWELDX	46.0	-0.4	0.2	19.8	-0.4	0.3	95.1	1.0	0.8	12.5	-0.5	0.6	24.1	-0.7	0.2	
		-2.0	0.2		-2.5	0.4		3.8	0.6		-3.8	0.8		-4.9	0.3	
4PWGDA	50.1	0.4		19.3	-0.5		95.6	1.1		12.8	-0.4		23.9	-0.8		
		2.1	0.0		-3.0	0.0		4.3	0.0		-3.5	0.0		-5.1	0.0	
XLBLAF	46.0	-0.4		18.0	-0.7		94.0	0.7		12.0	-0.5		24.0	-0.7		
		-2.0	0.0		-4.3	0.0		2.7	0.0		-4.3	0.0		-5.0	0.0	



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
KN9DZT	50.3	0.4	0.5	24.1	0.3	1.1	92.9	0.4	0.2	18.3	0.2	0.4	30.9	0.3	1.4
		2.3	0.6		1.8	1.6		1.5	0.1		2.0	0.6		1.9	2.6
NT8YFL	22.8	-4.6		92.8	11.9		12.8	-20.1		32.8	2.0		87.2	8.7	
		-25.2	0.0		70.5	0.0		-78.5	0.0		16.5	0.0		58.2	0.0
HNU6YT	49.1	0.2		26.5	0.7		93.1	0.5		18.5	0.3		31.0	0.3	
		1.1	0.0		4.2	0.0		1.8	0.0		2.2	0.0		2.0	0.0
Q77MKK	48.0	0.0		13.0	-1.6		90.0	-0.3		10.0	-0.8		24.0	-0.7	
		0.0	0.0		-9.3	0.0		-1.3	0.0		-6.3	0.0		-5.0	0.0
P43R2G	53.5	1.0	0.9	30.0	1.3	1.5	95.2	1.0	0.1	22.5	0.8	0.4	35.1	0.9	0.9
		5.5	1.1		7.7	2.2		3.9	0.1		6.2	0.6		6.1	1.7
ALBLDW	36.5	-2.1	0.9	8.5	-2.3	0.8	81.2	-2.6	0.0	7.2	-1.1	0.0	15.2	-2.1	0.0
		-11.5	1.2		-13.8	1.2		-10.1	0.0		-9.1	0.0		-13.8	0.0
Grand Median		48.0			22.3			91.3			16.3			29.0	
Median Abs Dev		2.0			3.0			1.9			4.1			3.9	
Avg Within Lab SD		1.2			1.5			0.7			1.3			1.8	
Labs Included		25			25			25			25			25	
Labs Reporting		25			25			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	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
NRW8AP	34.6	-0.1	2.0	55.8	0.2	0.5	3.8	-0.1	1.8	64.2	0.3	0.5	42.5	0.4	1.0
		-0.4	1.9		0.8	0.7		-0.3	1.3		2.8	0.7		2.5	1.3
6WAFT7	36.3	0.3	1.2	59.0	0.8		3.7	-0.2	0.4	65.7	0.5	1.0	44.3	0.7	0.5
		1.3	1.2		4.0	0.0		-0.3	0.3		4.3	1.5		4.3	0.6
C47NEY	30.7	-1.0	0.6	51.3	-0.7	0.4	5.0	0.5		56.0	-0.6		39.0	-0.2	
		-4.3	0.6		-3.7	0.6		1.0	0.0		-5.3	0.0		-1.0	0.0
VJYMAG	31.3	-0.9	0.6	52.7	-0.4	0.9	4.0	0.0	2.5	57.0	-0.5	0.7	37.3	-0.4	1.8
		-3.7	0.6		-2.3	1.2		0.0	1.7		-4.3	1.0		-2.7	2.3
4RZ3B8	34.8	0.0	1.3	56.8	0.3	1.3	4.8	0.4	1.1	60.1	-0.1	2.3	33.5	-1.1	1.8
		-0.2	1.2		1.8	1.7		0.8	0.8		-1.2	3.4		-6.5	2.3
8NA3L2	36.0	0.2	1.0	54.0	-0.2	1.5	6.7	1.2	0.8	61.3	0.0	1.0	38.7	-0.2	1.8
		1.0	1.0		-1.0	2.0		2.7	0.6		0.0	1.5		-1.3	2.3
382E77	33.7	-0.3	1.2	53.7	-0.3	0.9	2.0	-0.9	1.4	55.3	-0.7	0.8	39.3	-0.1	2.4
		-1.3	1.2		-1.3	1.2		-2.0	1.0		-6.0	1.2		-0.7	3.1
32WJM7	41.2	1.5	1.3	61.3	1.2	0.4	3.8	-0.1	1.7	66.8	0.7	0.9	49.1	1.5	0.6
		6.2	1.2		6.3	0.6		-0.2	1.2		5.5	1.3		9.1	0.8
QUDDLH	30.0	-1.2		56.0	0.2		4.0	0.0		60.0	-0.2		32.0	-1.3	
		-5.0	0.0		1.0	0.0		0.0	0.0		-1.3	0.0		-8.0	0.0
G6NDG2	31.2	-0.9	0.0	51.2	-0.7	0.0	6.6	1.2	0.0	53.6	-0.9	0.0	39.2	-0.1	0.0
		-3.8	0.0		-3.8	0.0		2.6	0.0		-7.7	0.0		-0.8	0.0
QB3B2R	35.0	0.0		55.0	0.0		5.0	0.5		74.0	1.5		39.0	-0.2	
		0.0	0.0		0.0	0.0		1.0	0.0		12.7	0.0		-1.0	0.0
3D69EG	44.2	2.1		60.2	1.0		8.2	1.9		66.1	0.6		46.1	1.0	0.0
		9.2	0.0		5.2	0.0		4.2	0.0		4.8	0.0		6.1	0.0
2Y8W7C	32.0	-0.7		57.3	0.4	1.8	8.0	1.9		65.3	0.5	1.6	41.3	0.2	1.8
		-3.0	0.0		2.3	2.3		4.0	0.0		4.0	2.3		1.3	2.3
B28ZB7	36.4	0.3	0.6	61.0	1.1	0.7	1.6	-1.1	0.3	70.8	1.2	1.4	48.4	1.4	0.0
		1.4	0.6		6.0	1.0		-2.4	0.2		9.5	2.1		8.4	0.1
CZ7M44	37.0	0.5	2.1	55.0	0.0	2.6	4.0	0.0	1.4	62.0	0.1	2.4	42.3	0.4	1.2
		2.0	2.0		0.0	3.5		0.0	1.0		0.7	3.5		2.3	1.5
QV4LLK	36.0	0.2	2.1	54.7	-0.1	0.4	4.0	0.0	1.4	59.3	-0.2	1.4	42.7	0.4	0.5
		1.0	2.0		-0.3	0.6		0.0	1.0		-2.0	2.1		2.7	0.6
F668JV	31.7	-0.8	1.2	48.3	-1.3	0.9	4.7	0.3	1.7	38.0	-2.8	1.4	34.0	-1.0	
		-3.3	1.2		-6.7	1.2		0.7	1.2		-23.3	2.0		-6.0	0.0
FWELDX	37.7	0.6	0.5	60.4	1.0	0.4	3.4	-0.3	0.7	62.8	0.2	0.7	47.4	1.2	0.2
		2.7	0.5		5.4	0.5		-0.6	0.5		1.4	1.0		7.4	0.3
4PWGDA	41.3	1.5		61.4	1.2		2.9	-0.5		71.1	1.2		49.0	1.5	
		6.3	0.0		6.4	0.0		-1.1	0.0		9.8	0.0		9.0	0.0
XLBLAF	44.0	2.1		62.0	1.3		4.0	0.0		72.0	1.3		48.0	1.3	
		9.0	0.0		7.0	0.0		0.0	0.0		10.7	0.0		8.0	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		
KN9DZT	35.1	0.0	0.7	55.3	0.1	1.8	4.9	0.4	1.0	60.5	-0.1	0.6	41.4	0.2	1.0
		0.1	0.7		0.3	2.3		0.9	0.7		-0.9	0.9		1.4	1.2
NT8YFL	54.8	4.6		2.8	-9.9		66.8	29.1		36.8	-3.0		6.4	-5.5	
		19.8	0.0		-52.2	0.0		62.8	0.0		-24.5	0.0		-33.6	0.0
HNU6YT	31.6	-0.8		49.2	-1.1		2.4	-0.7		55.4	-0.7		36.3	-0.6	
		-3.4	0.0		-5.8	0.0		-1.6	0.0		-5.9	0.0		-3.7	0.0
Q77MKG	36.0	0.2		66.0	2.1		10.0	2.8		71.0	1.2		48.0	1.3	
		1.0	0.0		11.0	0.0		6.0	0.0		9.7	0.0		8.0	0.0
P43R2G	33.9	-0.3	1.3	49.7	-1.0	2.0	1.9	-1.0	0.3	62.9	0.2	0.5	38.4	-0.3	1.3
		-1.1	1.3		-5.4	2.6		-2.1	0.2		1.6	0.7		-1.6	1.6
ALBLDW	34.0	-0.2		54.0	-0.2		2.0	-0.9		58.0	-0.4		40.0	0.0	
		-1.0	0.0		-1.0	0.0		-2.0	0.0		-3.3	0.0		0.0	0.0
Grand Median		35.0			55.0			4.00			61.3			40.0	
Median Abs Dev		2.0			3.7			1.00			4.3			2.7	
Avg Within Lab SD		1.0			1.3			0.70			1.5			1.3	
Labs Included		25			25			25			25			25	
Labs Reporting		25			25			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	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515			
NRW8AP	18.3	0.4	1.4	22.9	0.5	0.8	5.0	0.4		23.3	0.3	1.1	32.1	0.7	0.6	
		2.0	1.4		2.3	0.7		1.2	0.0		1.9	1.4		3.1	0.7	
6WAFT7	14.0	-0.5	1.0	18.7	-0.4	0.7	1.8	-0.6	0.4	17.7	-0.6	0.9	28.0	-0.2		
		-2.3	1.0		-2.0	0.6		-2.0	0.3		-3.7	1.2		-1.0	0.0	
C47NEY	16.3	0.0	0.6	21.3	0.1	0.7	2.0	-0.6		23.0	0.2		29.7	0.1	0.4	
		0.0	0.6		0.7	0.6		-1.8	0.0		1.6	0.0		0.7	0.6	
VJYMAG	18.7	0.5	1.5	23.7	0.7	0.7	5.0	0.4	2.8	26.7	0.8	0.4	33.7	1.0	0.4	
		2.3	1.5		3.0	0.6		1.2	2.0		5.3	0.6		4.7	0.6	
4RZ3B8	15.3	-0.2	1.1	20.7	0.0	1.3	2.7	-0.4	1.6	20.7	-0.1	3.2	28.0	-0.2	1.5	
		-1.0	1.2		0.0	1.2		-1.2	1.2		-0.7	4.2		-1.0	2.0	
8NA3L2	17.3	0.2	0.6	20.7	0.0	1.3	3.7	-0.1	0.8	22.0	0.1	0.8	31.3	0.5	0.9	
		1.0	0.6		0.0	1.2		-0.2	0.6		0.6	1.0		2.3	1.2	
382E77	11.0	-1.1		23.0	0.5		5.3	0.5	0.8	16.3	-0.8	0.9	33.0	0.9	1.5	
		-5.3	0.0		2.3	0.0		1.5	0.6		-5.1	1.2		4.0	2.0	
32WJM7	20.7	0.9	0.4	23.9	0.7	0.3	6.7	0.9	0.7	21.0	-0.1	0.2	32.7	0.8	0.6	
		4.3	0.4		3.3	0.2		2.9	0.5		-0.4	0.2		3.7	0.8	
QUDDLH	9.0	-1.5		19.0	-0.4		5.0	0.4		9.0	-1.9		29.0	0.0		
		-7.3	0.0		-1.7	0.0		1.2	0.0		-12.4	0.0		0.0	0.0	
G6NDG2	16.6	0.1	0.0	17.0	-0.8		0.5	-1.0		21.4	0.0	0.0	26.2	-0.6	0.0	
		0.3	0.0		-3.7	0.0		-3.3	0.0		0.0	0.0		-2.8	0.0	
QB3B2R	17.0	0.1		23.0	0.5		11.0	2.2		19.0	-0.4		29.0	0.0		
		0.7	0.0		2.3	0.0		7.2	0.0		-2.4	0.0		0.0	0.0	
3D69EG	20.0	0.7		24.0	0.7		4.0	0.1		26.1	0.7		32.1	0.7	0.0	
		3.7	0.0		3.3	0.0		0.2	0.0		4.7	0.0		3.1	0.0	
2Y8W7C	20.0	0.7		24.0	0.7		4.0	0.1		28.0	1.0		32.0	0.6		
		3.7	0.0		3.3	0.0		0.2	0.0		6.6	0.0		3.0	0.0	
B28ZB7	12.3	-0.8	1.4	11.0	-2.2	2.8	2.8	-0.3	0.1	8.9	-1.9	0.6	18.7	-2.2	3.5	
		-4.0	1.5		-9.7	2.5		-1.1	0.1		-12.5	0.8		-10.3	4.5	
CZ7M44	15.0	-0.3	2.0	19.7	-0.2	2.6	2.0	-0.6	1.8	22.7	0.2	1.8	28.3	-0.1	1.6	
		-1.3	2.0		-1.0	2.3		-1.9	1.3		1.3	2.3		-0.7	2.1	
QV4LLK	13.7	-0.5	3.0	24.3	0.8	1.3	5.0	0.4	2.5	24.7	0.5	2.4	33.0	0.9	1.5	
		-2.7	3.1		3.7	1.2		1.2	1.7		3.3	3.2		4.0	2.0	
F668JV	22.0	1.1		30.0	2.1		6.0	0.7		29.3	1.2	0.9	36.0	1.5		
		5.7	0.0		9.3	0.0		2.2	0.0		7.9	1.2		7.0	0.0	
FWELDX	16.3	0.0	0.3	19.8	-0.2	0.2	1.5	-0.7	0.4	24.7	0.5	0.3	28.5	-0.1	0.2	
		0.0	0.4		-0.9	0.2		-2.4	0.3		3.3	0.4		-0.5	0.3	
4PWGDA	8.7	-1.6		19.3	-0.3		1.5	-0.7		16.1	-0.8		27.0	-0.4		
		-7.7	0.0		-1.4	0.0		-2.4	0.0		-5.3	0.0		-2.0	0.0	
XLBLAF	10.0	-1.3		20.0	-0.1		2.0	-0.6		16.0	-0.8		28.0	-0.2		
		-6.3	0.0		-0.7	0.0		-1.8	0.0		-5.4	0.0		-1.0	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		
KN9DZT	14.6	-0.4	1.2	20.6	0.0	1.0	2.2	-0.5	1.0	21.2	0.0	1.0	27.7	-0.3	1.1
		-1.7	1.2		-0.1	0.9		-1.6	0.7		-0.2	1.3		-1.3	1.5
NT8YFL	22.4	1.2		4.4	-3.6		20.4	5.1		30.4	1.4		6.4	-4.8	
		6.1	0.0		-16.3	0.0		16.6	0.0		9.0	0.0		-22.6	0.0
HNU6YT	19.3	0.6		24.3	0.8		4.5	0.2		26.0	0.7		32.8	0.8	
		3.0	0.0		3.6	0.0		0.7	0.0		4.6	0.0		3.8	0.0
Q77MKK	16.0	-0.1		21.0	0.1					19.0	-0.4		28.0	-0.2	
		-0.3	0.0		0.3	0.0					-2.4	0.0		-1.0	0.0
P43R2G	12.6	-0.7	0.3	20.4	-0.1	0.5	2.9	-0.3	0.3	14.6	-1.0	0.2	26.5	-0.5	0.1
		-3.7	0.4		-0.3	0.4		-0.9	0.2		-6.8	0.3		-2.5	0.1
ALBLDW	29.5	2.7	1.1	37.5	3.7	1.3	16.8	4.0	0.0	34.8	2.0	0.0	44.8	3.4	0.0
		13.1	1.2		16.8	1.2		13.0	0.0		13.4	0.0		15.8	0.0
Grand Median		16.3			20.7			3.83			21.4			29.0	
Median Abs Dev		2.7			2.3			1.57			3.7			2.5	
Avg Within Lab SD		1.0			0.9			0.71			1.3			1.3	
Labs Included		25			25			24			25			25	
Labs Reporting		25			25			24			25			25	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1511			SRSSRS1512			SRSSRS1513			SRSSRS1514			SRSSRS1515		
6WAFT7	11.1	-0.4	0.1	21.7	-0.3	0.2	4.0	-0.3	0.2	36.2	-0.3	0.2	6.8	-0.3	0.1
		-7.3	0.3		-4.8	3.2		-1.1	0.3		-7.2	0.8		-1.9	0.3
C47NEY	20.5	0.1	0.1	31.3	0.3	0.0	7.6	0.7	0.2	40.0	-0.1	0.1	12.4	0.7	0.1
		2.1	0.4		4.8	0.3		2.4	0.5		-3.4	0.2		3.7	0.4
QUDDLH	18.4	0.0	0.0	30.3	0.3	0.0	5.2	0.0	0.0	57.2	0.5	0.0	7.5	-0.2	0.0
		0.9	2.1		-0.2	0.2		-0.1	1.2		13.8	0.4		-1.2	0.4
LDGEMR	33.6	15.2	12.4	24.2	-2.3	2.2	4.9	-0.2	2.3	49.3	5.9	1.3	9.5	0.8	1.1
		2.5	1.5		2.6	2.6		3.0	2.3		2.8	1.5		2.6	2.6
	60.5	42.1	9.1	64.9	38.4	37.1	16.4	11.3	4.2	118.5	75.1	5.3	22.9	14.3	7.5
		-0.7			-1.1			-0.7			-0.8			-0.8	
PAPEWM	6.8	-11.6	0.0	10.7	-15.9	0.0	2.6	-2.5	0.0	22.1	-21.3	0.0	4.3	-4.4	0.0
		-0.1	0.4		0.0	0.2		0.0	0.3		0.0	2.2		0.0	0.3
XKF48E	17.4	-1.0	2.5	26.5	0.0	2.4	5.1	0.0	0.6	43.4	0.0	7.7	8.7	0.0	0.8
Grand Median		18.4		26.5			5.11			43.4			8.67		
Median Abs Dev		7.3		4.8			1.10			7.2			1.86		
Avg Within Lab SD		5.9		14.1			1.84			3.6			2.87		
Labs Included		7		7			7			7			7		
Labs Reporting		7		7			7			7			7		



ALP Program - Participant Web Summary Report - Cycle 28

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

Soil Nitrogen Mineralization Potential (SubTestCode 192)	in the Other 2 Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
6WAFT7	23.0	0.0	37.3	1.0 3.8	10.3	1.0 0.6	52.7	1.0 1.2	15.3	1.0 0.6	
Grand Median	23.0		37.3		10.3		52.7		15.3		
Median Abs Dev											
Avg Within Lab SD	0.0		3.8		0.6		1.2		0.6		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515	
6WAFT7	9.83	1.00 0.29	5.00	0.00	3.33	1.00 0.29	4.00	0.00	5.17	1.00 0.29
Grand Median	9.83		5.00		3.33		4.00		5.17	
Median Abs Dev										
Avg Within Lab SD	0.29		0.00		0.29		0.00		0.29	
Labs Included	1		1		1		1		1	
Labs Reporting	1		1		1		1		1	



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

DTPA-sorbitol extractable S (SubTestCode 194)	in the Other 2 Property Groups										Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515		
6WAF17	24.33	1.11			11.33	1.57			1.00		0.00
		0.58				0.58					
		1.11									
477W66	8.67		6.00	0.00	4.00	0.00	4.00	0.00	6.00	0.00	
		0.58		1.00		0.72		1.00		1.00	
6YCNP4	12.13		8.47	0.15	3.80	0.26	6.57	0.12	10.13	0.67	
		0.38									
Grand Median		12.1		7.23		4.00		5.28		6.00	
Median Abs Dev											
Avg Within Lab SD		0.5		0.15		0.37		0.12		0.67	
Labs Included		3		2		3		2		3	
Labs Reporting		3		2		3		2		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		

DTPA-sorbitol extractable Al (SubTestCode 195)	in the Other 2 Property Groups									Data units: mg/kg
	SRSSRS1511		SRSSRS1512		SRSSRS1513		SRSSRS1514		SRSSRS1515	
6YCNP4	53.27	1.00 24.73	1.70	1.00 1.14	25.13	1.00 2.93	3.47	1.00 1.34	2.39	1.00 1.17
Grand Median	53.3		1.70		25.1		3.47		2.39	
Median Abs Dev										
Avg Within Lab SD	24.7		1.14		2.9		1.34		1.17	
Labs Included	1		1		1		1		1	
Labs Reporting	1		1		1		1		1	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 28

Sample Mean	Z Score	k Score	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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	94.9	1.4	0.1	92.8	0.6	0.2	95.1	0.2	0.1	
		1.7	0.1		1.0	0.1		0.2	0.0	
6WAFT7	92.8	-0.3	0.0	90.5	-0.8	0.0	94.3	-0.5	0.0	
		-0.4	0.0		-1.3	0.0		-0.6	0.0	
C47NEY	93.2	0.0	0.3	91.8	0.0	0.4	94.9	0.0	0.2	
		0.0	0.2		-0.1	0.2		0.1	0.1	
7WA3K4	92.6	-0.5	0.0	90.2	-1.0	0.1	94.2	-0.5	0.0	
		-0.6	0.0		-1.6	0.0		-0.7	0.0	
C4PRLY	93.2	0.0	0.1	92.0	0.1	0.1	94.8	0.0	0.0	
		0.0	0.0		0.2	0.0		-0.1	0.0	
477W66	6.4	-72.0	0.1	2.3	-55.7	0.1	2.2	-72.8	0.0	
		-86.9	0.1		-89.6	0.1		-92.7	0.0	
Q4YHTG	92.4	-0.6	0.0	90.4	-0.9	0.0	94.2	-0.5	0.0	
		-0.8	0.0		-1.4	0.0		-0.7	0.0	
KD74FP	94.3	0.9	0.5	92.6	0.5	0.1	95.8	0.7	0.2	
		1.1	0.3		0.8	0.1		0.9	0.1	
3D69EG	93.6	0.4	0.2	92.2	0.2	0.3	96.2	1.0	0.2	
		0.4	0.1		0.3	0.1		1.3	0.1	
BL7NF7	91.8	-1.1	0.2	89.8	-1.3	0.1	93.3	-1.2	0.4	
		-1.4	0.1		-2.1	0.0		-1.6	0.2	
HMD97T	94.1	0.7	0.2	92.4	0.3	0.3	95.8	0.8	0.2	
		0.9	0.1		0.6	0.1		1.0	0.1	
3N2CJA	94.1	0.7		91.9	0.0		95.6	0.6		
		0.8	0.0		0.1	0.0		0.7	0.0	
	94.1	0.7		91.9	0.0		95.6	0.6		
		0.8	0.0		0.1	0.0		0.7	0.0	
TPMZPJ	95.2	1.6	3.7	96.0	2.6	3.7	97.9	2.3	3.7	
		2.0	1.8		4.2	1.7		3.0	2.0	
NT8YFL	92.8	-0.3	0.3	90.3	-1.0	0.2	94.3	-0.5	0.2	
		-0.4	0.2		-1.5	0.1		-0.6	0.1	
Grand Median	93.2			91.8			94.9			
Median Abs Dev	0.8			0.9			0.7			
Avg Within Lab SD	0.5			0.5			0.5			
Labs Included	14			14			14			
Labs Reporting	14			14			14			



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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									
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
NRW8AP	253.1	-3.0	0.0	43.7	0.0	0.7	457.7	2.7	2.4
		-19,972.8	4.8		0.4	5.3		240.4	21.2
HGWQWR	20,950.7	0.1	0.4	110.3	1.7	3.4	287.7	0.8	0.3
		724.7	262.3		67.0	25.1		70.3	2.5
FQP3HU	20,324.3	0.0	0.5	10.0	-0.9	0.1	243.3	0.3	1.3
		98.4	299.8		-33.3	1.0		26.0	11.2
C47NEY	20,268.6	0.0	0.1	50.4	0.2	0.3	244.0	0.3	0.3
		42.6	70.7		7.1	1.9		26.7	2.6
4RZ3B8	20,183.3	0.0	0.7	70.2	0.7	0.3	181.6	-0.4	0.6
		-42.6	480.5		26.8	2.5		-35.7	5.4
C4PRLY	20,427.3	0.0	0.8	84.7	1.1	0.1	214.3	0.0	0.2
		201.4	531.9		41.3	0.6		-3.0	1.5
477W66	20,637.3	0.1	2.5	156.7	2.9	0.6	254.3	0.4	1.4
		411.4	1,612.9		113.3	4.2		37.0	12.1
4XQDK7	21,261.3	0.2	1.4	43.3	0.0	0.5	234.7	0.2	1.6
		1,035.4	882.4		0.0	4.0		17.3	13.7
CQF2X6	3.7	-3.0	0.0	14.0	-0.8	0.9	29.0	-2.1	0.1
		-20,222.2	0.2		-29.3	6.9		-188.3	1.0
UB76AM	18,296.7	-0.3	0.5	43.3	0.0	0.2	220.3	0.0	0.4
		-1,929.3	327.2		0.0	1.5		3.0	3.5
BL7NF7	19,739.8	-0.1	0.5	32.3	-0.3	0.1	150.6	-0.7	0.5
		-486.2	350.0		-11.1	0.5		-66.7	4.4
XX43YG	23,071.3	0.4	2.0	457.7	10.6	9.3	617.7	4.5	10.9
		2,845.4	1,322.6		414.3	69.9		400.3	95.2
CZ7M44	14,766.7	-0.8	1.5	38.1	-0.1	0.7	198.0	-0.2	0.9
		-5,459.3	971.3		-5.2	4.9		-19.3	7.9
HMD97T	20,507.7	0.0	1.2	26.9	-0.4	0.0	189.8	-0.3	0.4
		281.7	767.8		-16.4	0.1		-27.6	3.2
NT8YFL	8,464.0	-1.8	0.1	26.9	-0.4	0.3	137.6	-0.9	0.2
		-11,762.0	96.8		-16.4	2.4		-79.7	1.7
Grand Median		20,226.0			43.3			217.3	
Median Abs Dev		605.4			16.4			31.6	
Avg Within Lab SD		645.3			7.5			8.7	
Labs Included		14			14			14	
Labs Reporting		14			14			14	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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									
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
6WAFT7	19,801.1	-0.7	0.1	127.1	0.0	0.0	307.7	0.0	0.1
		-400.3	112.1		0.0	0.0		0.0	5.3
7WA3K4	21,350.6	2.1	0.0	567.6	2.5	1.5	1,046.0	3.0	0.9
		1,149.2	43.6		440.6	50.9		738.3	33.5
CE8C7V	20,201.4	0.0	1.7	260.1	0.8	1.3	336.3	0.1	1.8
		0.0	1,897.2		133.1	43.9		28.7	67.0
32WJM7	20,100.0	-0.2	0.1	125.0	0.0	0.7	258.0	-0.2	0.2
		-101.4	100.0		-2.1	24.3		-49.7	7.8
4C4V8E	20,400.0	0.4	1.4	105.3	-0.1	0.8	301.0	0.0	0.8
		198.6	1,539.5		-21.7	26.3		-6.7	29.5
Grand Median	20,201.4			127.1			307.7		
Median Abs Dev	198.6			21.7			28.7		
Avg Within Lab SD	1,094.9			34.1			36.3		
Labs Included	5			5			5		
Labs Reporting	5			5			5		



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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							
	SRBSRB1507		SRBSRB1508		SRBSRB1509			
CE8C7V	20,557.5	0.0	1.7					
		-807.9	3,726.5					
KD74FP	22,173.3	0.0	0.4	70.0		217.7	0.0	
		807.9	939.1		0.0		1.2	
8QG8D6	91,637.3	2.6	0.8	11,159.6	1.4	12,706.6	1.7	
		70,271.9	1,780.8		233.8		57.2	
Q77MKK	19,786.0	-0.1	0.6	1,032.5		1,010.7		
		-1,579.5	1,235.0		0.0		0.0	
Grand Median		21,365.4		1,032.5		1,010.7		
Median Abs Dev		1,193.7						
Avg Within Lab SD		2,206.0		165.3		33.0		
Labs Included		4		3		3		
Labs Reporting		4		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		

NH4-N (SubTestCode 205) Data units: mg/kg						
	SRBSRB1507	SRBSRB1508	SRBSRB1509			
C4PRLY	108.0	0.0	35.7	0.1	2.0	
		3.0		2.9		0.0
HMD97T	1,514.6	0.1	470.6	0.3	114.9	0.2
		16.3		15.3		5.1
Q77MKK	2,643.8	1.7	612.0	1.7	319.7	1.4
		527.2		94.6		32.2
Grand Median	1,514.6		470.6		114.9	
Median Abs Dev						
Avg Within Lab SD	304.6		55.4		23.0	
Labs Included	3		3		3	
Labs Reporting	3		3		3	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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									
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
6WAFT7	4,204.4	0.4	0.2	1,581.8	1.2	0.9	1,053.8	1.2	0.5
		274.4	43.5		261.8	42.9		140.0	34.1
HGWQWR	3,393.7	-0.8	0.2	1,134.3	-0.9	0.5	816.3	-0.9	0.2
		-536.3	34.6		-185.7	25.3		-97.5	10.2
FQP3HU	4,231.3	0.4	0.8	1,282.3	-0.2	0.7	838.3	-0.7	0.2
		301.3	167.6		-37.7	32.6		-75.5	11.8
4RZ3B8	3,848.0	-0.1	0.5	1,320.0	0.0	0.2	913.9	0.0	0.2
		-82.0	107.9		0.0	10.0		0.0	15.7
C4PRLY	4,229.0	0.4	1.0	1,925.7	2.8	1.8	1,152.7	2.1	0.2
		299.0	208.7		605.7	88.0		238.8	15.6
477W66	4,083.7	0.2	0.8	1,392.0	0.3	1.0	923.3	0.1	0.1
		153.7	178.0		72.0	46.3		9.5	5.5
CE8C7V	3,080.0	-1.3	1.3	1,270.0	-0.2	1.0	903.7	-0.1	1.2
		-850.0	270.7		-50.0	45.8		-10.2	77.3
4XQDK7	3,948.0	0.0	1.0	1,251.0	-0.3	1.1	873.0	-0.4	0.6
		18.0	207.2		-69.0	54.7		-40.9	37.6
32WJM7	3,930.0	0.0	0.4	1,220.0	-0.5	0.4	813.3	-0.9	2.1
		0.0	80.0		-100.0	20.0		-100.5	133.2
XX43YG	3,467.3	-0.7	2.4	1,438.0	0.6	1.2	1,018.0	0.9	1.9
		-462.7	508.6		118.0	59.6		104.1	121.4
8QG8D6	1,883.5	-3.0	0.1	1,403.2	0.4	1.0	937.4	0.2	0.7
		-2,046.5	28.1		83.2	49.4		23.6	45.7
Grand Median		3,930.0		1,320.0			913.9		
Median Abs Dev		299.0		83.2			75.5		
Avg Within Lab SD		213.2		47.7			63.2		
Labs Included		11		11			11		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

SO4 - S (SubTestCode 207) Data units: mg/kg									
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
6WAFT7	0.2	-1.2	0.0	0.1	-0.7	0.0	0.0	-0.9	0.0
	-1,827.8	0.1	0.0	-889.5	0.0	0.0	-829.9	0.0	0.0
7WA3K4	1,972.2	144.3	61.5	908.6	18.9	46.4	831.9	1.9	41.1
	-0.1	1.0	0.0	0.0	0.5	0.0	0.0	0.7	0.7
C4PRLY	1,683.7	-144.3	107.9	870.7	-18.9	41.3	828.0	-1.9	16.5
	1.3	1.7	1.8	1.9	1.8	1.8	1.8	0.8	0.8
8QG8D6	3,946.8	2,118.9	181.7	3,272.9	2,383.3	150.9	2,451.9	1,622.0	20.2
Grand Median	1,828.0			889.6			829.9		
Median Abs Dev	986.0			454.2			415.9		
Avg Within Lab SD	110.1			81.6			24.3		
Labs Included	4			4			4		
Labs Reporting	4			4			4		



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

CI (SubTestCode 208)	Data units: Percent								
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
6WAF7	1.10	-0.01	0.04	0.08	-0.19	0.00	0.15	0.03	0.00
		0.00	0.01		-0.02	0.00		0.01	0.00
HGWQWR	1.04	-0.23	0.11	0.08	-0.15	0.59	0.13	-0.05	0.00
		-0.05	0.02		-0.01	0.01		-0.01	0.00
FQP3HU	1.17	0.31	0.28	0.08	-0.21	1.67	1.38	4.87	2.70
		0.08	0.04		-0.02	0.02		1.24	0.04
C47NEY	1.20	0.43	0.18	0.09	-0.10	0.30	0.13	-0.04	0.38
		0.11	0.03		-0.01	0.00		-0.01	0.01
4RZ3B8	1.16	0.27	0.18	0.29	2.11	1.44	0.35	0.81	0.37
		0.07	0.03		0.20	0.01		0.21	0.01
C4PRLY	1.00	-0.40	0.14	0.11	0.10	0.59	0.14	-0.03	0.38
		-0.10	0.02		0.01	0.01		-0.01	0.01
KD74FP	1.06	-0.17	0.25	0.12	0.21	1.55	0.10	-0.16	0.38
		-0.04	0.04		0.02	0.02		-0.04	0.01
4XQDK7	1.34	1.01	0.44	0.14	0.42	1.55	0.25	0.42	1.76
		0.25	0.06		0.04	0.02		0.11	0.03
32WJM7	1.10	0.01	0.12	0.12	0.21	0.59	0.16	0.05	1.39
		0.00	0.02		0.02	0.01		0.01	0.02
CQF2X6	1.41	1.27	3.68	0.34	2.57	1.55	0.41	1.06	0.77
		0.31	0.51		0.24	0.02		0.27	0.01
UB76AM	1.25	0.63	0.34	3.20	33.29	1.70	3,393.67	13,374.49	7,362.17
		0.15	0.05		3.10	0.02		3,393.52	110.57
BL7NF7	1.51	1.68	0.08	0.25	1.66	0.88	0.43	1.12	0.54
		0.41	0.01		0.16	0.01		0.28	0.01
HMD97T	1.10	-0.01	0.07	0.05	-0.48	0.12	0.09	-0.21	0.09
		0.00	0.01		-0.04	0.00		-0.05	0.00
KN9DZT	1.02	-0.34	0.04	0.05	-0.52	0.12	0.08	-0.25	0.10
		-0.08	0.01		-0.05	0.00		-0.06	0.00
Q77MKG	0.30	-3.29	0.10	0.05	-0.51	0.00	0.06	-0.35	0.47
		-0.80	0.01		-0.05	0.00		-0.09	0.01
Grand Median		1.10			0.10			0.14	
Median Abs Dev		0.08			0.03			0.06	
Avg Within Lab SD		0.14			0.01			0.02	
Labs Included		14			14			14	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

TKN (SubTestCode 209)	Data units: Percent								
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
6WAFT7	4.93	0.06	0.02	2.46	0.97	0.26	2.23	-0.13	0.10
		0.06	0.01		0.15	0.02		-0.02	0.01
FQP3HU	4.68	-0.17	0.04	2.41	0.68	0.80	2.45	1.47	0.85
		-0.19	0.02		0.11	0.06		0.21	0.12
4RZ3B8	4.81	-0.06	0.30	2.22	-0.56	1.86	2.14	-0.73	0.42
		-0.06	0.16		-0.09	0.14		-0.10	0.06
Q4YHTG	4.73	-0.13	0.03	2.36	0.35	0.23	2.28	0.24	0.08
		-0.14	0.02		0.06	0.02		0.03	0.01
4XQDK7	6.19	1.21	0.07	2.29	-0.12	0.21	2.24	-0.02	0.25
		1.32	0.04		-0.02	0.02		0.00	0.04
3D69EG	4.43	-0.40	0.10	2.10	-1.32	0.08	2.09	-1.07	0.04
		-0.44	0.05		-0.21	0.01		-0.15	0.01
XX43YG	8.06	2.94	3.14	2.11	-1.26	2.36	1.99	-1.80	3.00
		3.19	1.63		-0.20	0.18		-0.25	0.43
CZ7M44	4.54	-0.30	0.06	2.24	-0.39	0.41	2.25	0.02	0.04
		-0.33	0.03		-0.06	0.03		0.00	0.01
HMD97T	5.01	0.13	0.06	2.46	0.97	0.12	2.34	0.67	0.07
		0.14	0.03		0.15	0.01		0.09	0.01
VVMYDE	6.33	1.34	0.01	2.32	0.12	0.08	2.33	0.59	0.04
		1.46	0.01		0.02	0.01		0.08	0.01
Grand Median		4.87		2.31			2.24		
Median Abs Dev		0.26		0.10			0.09		
Avg Within Lab SD		0.52		0.07			0.14		
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		

N- Dry Comb. (SubTestCode 210) Data units: Percent									
	SRBSRB1507			SRBSRB1508			SRBSRB1509		
NRW8AP	3.05	-5.61	0.04	3.54	6.16	0.02	2.94	4.20	0.14
		-3.32	0.01		1.22	0.00		0.64	0.01
6WAFT7	6.76	0.65	0.04	2.53	1.05	0.08	2.38	0.53	0.02
		0.38	0.01		0.21	0.00		0.08	0.00
HGWQWR	6.21	-0.28	0.09	2.31	-0.03	0.73	2.27	-0.22	0.09
		-0.17	0.02		-0.01	0.04		-0.03	0.01
C47NEY	6.74	0.62	0.16	2.48	0.83	0.12	2.38	0.50	0.18
		0.37	0.03		0.16	0.01		0.08	0.01
7WA3K4	6.63	0.43	0.27	2.61	1.47	0.67	2.40	0.63	1.35
		0.26	0.05		0.29	0.03		0.10	0.09
C4PRLY	6.26	-0.20	0.28	2.35	0.17	0.43	2.33	0.21	0.09
		-0.12	0.05		0.03	0.02		0.03	0.01
CE8C7V	6.39	0.03	0.29	2.31	-0.04	0.63	2.30	-0.02	0.67
		0.02	0.05		-0.01	0.03		0.00	0.04
KD74FP	6.24	-0.22	0.24	2.30	-0.12	0.32	2.31	0.04	0.24
		-0.13	0.04		-0.02	0.02		0.01	0.02
32WJM7	7.12	1.26	0.12	2.27	-0.25	0.55	2.26	-0.27	0.31
		0.75	0.02		-0.05	0.03		-0.04	0.02
CQF2X6	6.31	-0.11	0.74	2.26	-0.30	1.90	2.23	-0.49	2.27
		-0.06	0.12		-0.06	0.09		-0.07	0.15
KJAWMY	6.03	-0.57	0.27	2.20	-0.59	0.32	2.19	-0.73	0.16
		-0.34	0.05		-0.12	0.02		-0.11	0.01
3D69EG	6.68	0.52	0.06	2.42	0.51	0.21	2.40	0.67	0.09
		0.31	0.01		0.10	0.01		0.10	0.01
BL7NF7	6.44	0.12	0.03	2.41	0.46	0.00	2.30	-0.03	0.09
		0.07	0.01		0.09	0.00		0.00	0.01
	6.09	-0.47	0.03	2.20	-0.59	0.25	2.23	-0.49	0.19
		-0.28	0.01		-0.12	0.01		-0.07	0.01
4C4V8E	6.28	-0.16	0.26	2.27	-0.23	0.63	2.30	-0.01	0.16
		-0.09	0.04		-0.05	0.03		0.00	0.01
BZCGA4	3.20	-5.35	3.44						
		-3.17	0.57						
RLDZFM	6.25	-0.21	0.83	1.84	-2.42	2.31	1.75	-3.63	1.00
		-0.13	0.14		-0.48	0.11		-0.55	0.06
89DUG9	6.37	0.00	0.05	2.32	0.01	0.29	2.29	-0.06	0.15
		0.00	0.01		0.00	0.01		-0.01	0.01
RKW4MM	6.42	0.08	0.19	2.35	0.15	0.55	2.32	0.15	0.63
		0.05	0.03		0.03	0.03		0.02	0.04
HMD97T	6.90	0.89	0.11	2.40	0.39	0.29	2.30	0.01	0.03
		0.53	0.02		0.08	0.01		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
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
TPMZPJ	6.62	0.42	0.33	2.32	-0.01	1.38	2.31	0.04	1.17
		0.25	0.06		0.00	0.07		0.01	0.08
NT8YFL	7.80	2.41		2.85	2.67		2.84	3.53	
		1.43	0.00		0.53	0.00		0.54	0.00
Q77MKK	6.16	-0.37	2.05	2.24	-0.40	2.24	2.27	-0.18	2.12
		-0.22	0.34		-0.08	0.11		-0.03	0.14
WN9D4A	6.46	0.14	2.25	2.75	2.17	1.76	2.67	2.42	2.64
		0.08	0.37		0.43	0.08		0.37	0.17
Grand Median		6.37			2.32			2.30	
Median Abs Dev		0.22			0.08			0.04	
Avg Within Lab SD		0.17			0.05			0.06	
Labs Included		23			22			22	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

S- Dry Comb. (SubTestCode 211)	Data units: Percent					
	SRBSRB1507		SRBSRB1508		SRBSRB1509	
BL7NF7	0.30	1.00 0.03	0.26	1.00 0.01	0.22	1.00 0.01
Grand Median	0.30		0.26		0.22	
Median Abs Dev						
Avg Within Lab SD	0.03		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									
SRBSRB1507			SRBSRB1508			SRBSRB1509			Data units: Percent
NRW8AP	0.21	-9.20	0.25	0.36	4.86	0.11	0.20	3.53	0.16
		-0.40	0.01		0.09	0.00		0.05	0.00
6WAFT7	0.58	-0.57	0.03	0.26	-0.30	0.15	0.14	-0.58	0.17
		-0.02	0.00		-0.01	0.00		-0.01	0.00
HGWQWR	0.62	0.32	0.29	0.25	-0.89	0.51	0.14	-0.42	0.95
		0.01	0.01		-0.02	0.01		-0.01	0.01
FQP3HU	0.59	-0.54	0.75	0.26	0.00	0.32	0.15	-0.10	0.49
		-0.02	0.02		0.00	0.00		0.00	0.00
C47NEY	0.63	0.52	0.32	0.28	0.70	0.27	0.15	0.31	0.66
		0.02	0.01		0.01	0.00		0.00	0.00
4RZ3B8	0.57	-0.95	2.19	0.23	-1.81	2.34	0.14	-0.93	1.24
		-0.04	0.04		-0.04	0.03		-0.01	0.01
C4PRLY	0.60	-0.29	0.76	0.28	0.99	1.03	0.15	0.26	0.95
		-0.01	0.02		0.02	0.01		0.00	0.01
477W66	0.54	-1.60	0.86	0.23	-1.91	1.36	0.13	-1.57	0.95
		-0.07	0.02		-0.04	0.02		-0.02	0.01
CE8C7V	0.60	-0.31	0.87	0.28	0.97	1.96	0.16	1.02	0.09
		-0.01	0.02		0.02	0.02		0.01	0.00
KD74FP	0.54	-1.52	0.57	0.24	-1.23	0.00	0.13	-1.11	0.95
		-0.07	0.01		-0.02	0.00		-0.02	0.01
4XQDK7	0.61	0.09	1.15	0.25	-0.89	0.51	0.14	-0.65	0.00
		0.00	0.02		-0.02	0.01		-0.01	0.00
CQF2X6	0.64	0.71	0.99	0.24	-1.06	1.36	0.15	0.26	1.90
		0.03	0.02		-0.02	0.02		0.00	0.01
UB76AM	0.62	0.17	0.76	0.27	0.31	0.00	0.14	-0.65	0.00
		0.01	0.02		0.01	0.00		-0.01	0.00
KJAWMY	0.56	-1.22	0.24	0.25	-0.63	0.10	0.14	-0.75	0.09
		-0.05	0.00		-0.01	0.00		-0.01	0.00
3D69EG	0.58	-0.68	0.00	0.26	-0.20	0.00	0.15	0.03	0.00
		-0.03	0.00		0.00	0.00		0.00	0.00
BL7NF7	0.61	0.00	0.94	0.27	0.09	2.69	0.14	-0.58	0.04
		0.00	0.02		0.00	0.03		-0.01	0.00
	0.58	-0.58	1.31	0.25	-0.50	0.48	0.13	-1.21	0.13
		-0.03	0.03		-0.01	0.01		-0.02	0.00
4C4V8E	0.61	0.02	0.50	0.25	-0.72		0.14	-0.65	0.00
		0.00	0.01		-0.01	0.00		-0.01	0.00
BZCGA4	0.63	0.48	0.50	0.28	0.65	0.51	0.16	0.72	0.00
		0.02	0.01		0.01	0.01		0.01	0.00
XX43YG	0.68	1.56	1.88	0.29	1.33	0.89	0.16	0.72	1.64
		0.07	0.04		0.03	0.01		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		
89DUG9	0.61	0.12	0.33	0.27	0.14	0.31	0.16	0.45	1.03
		0.01	0.01		0.00	0.00		0.01	0.01
RKW4MM	0.59	-0.45	0.50	0.26	-0.38	0.51	0.15	0.26	0.95
		-0.02	0.01		-0.01	0.01		0.00	0.01
CZ7M44	0.54	-1.60	0.86	0.24	-1.23	0.89	0.14	-0.88	0.95
		-0.07	0.02		-0.02	0.01		-0.01	0.01
HMD97T	0.61	0.09	0.14	0.28	0.61	0.15	0.15	0.00	0.68
		0.00	0.00		0.01	0.00		0.00	0.00
3N2CJA	0.64	0.75	1.46	0.27	0.19	0.22	0.15	-0.06	1.06
		0.03	0.03		0.00	0.00		0.00	0.01
	0.57	-0.92	0.92	0.27	0.31	0.56	0.16	0.65	0.16
		-0.04	0.02		0.01	0.01		0.01	0.00
KN9DZT	0.68	1.57	1.12	0.28	0.92	1.40	0.15	0.33	0.90
		0.07	0.02		0.02	0.02		0.00	0.01
TPMZPJ	0.59	-0.45	1.32	0.27	0.31	0.89	0.21	4.16	1.64
		-0.02	0.03		0.01	0.01		0.06	0.01
NHLV9L	0.64	0.77	1.45	0.27	0.14	0.05	0.15	0.15	0.25
		0.03	0.03		0.00	0.00		0.00	0.00
VVMYDE	0.63	0.48	0.50	0.26	-0.20	0.00	0.15	0.03	0.00
		0.02	0.01		0.00	0.00		0.00	0.00
NT8YFL	0.61	0.04		0.26	-0.31		0.14	-0.65	
		0.00	0.00		-0.01	0.00		-0.01	0.00
Q77MKK	0.68	1.56	2.01	0.28	0.99	1.85	0.16	0.72	3.29
		0.07	0.04		0.02	0.02		0.01	0.02
Grand Median		0.61			0.26			0.15	
Median Abs Dev		0.02			0.01			0.01	
Avg Within Lab SD		0.02			0.01			0.01	
Labs Included		31			31			31	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

K (SubTestCode 213)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	2.57	-5.36	0.12	1.27	0.04	0.07	1.49	2.54	0.02	
		-4.79	0.05		0.00	0.00		0.25	0.00	
6WAFT7	7.51	0.17	0.11	1.26	-0.02	0.21	1.22	-0.23	0.10	
		0.15	0.05		0.00	0.01		-0.02	0.01	
HGWQWR	7.34	-0.02	0.09	1.21	-0.48	0.33	1.25	0.11	0.34	
		-0.02	0.04		-0.06	0.02		0.01	0.02	
FQP3HU	7.16	-0.22	0.14	1.34	0.63	0.15	1.28	0.40	0.17	
		-0.20	0.06		0.07	0.01		0.04	0.01	
C47NEY	7.45	0.10	0.11	1.31	0.37	0.68	1.22	-0.16	0.59	
		0.09	0.05		0.04	0.04		-0.02	0.04	
4RZ3B8	6.54	-0.92	1.25	1.07	-1.68	2.25	1.10	-1.46	1.52	
		-0.82	0.55		-0.19	0.14		-0.14	0.09	
C4PRLY	6.23	-1.27	0.23	1.43	1.45	0.99	1.23	-0.06	0.26	
		-1.14	0.10		0.17	0.06		-0.01	0.02	
477W66	7.43	0.08	0.13	1.28	0.10	0.25	1.21	-0.26	0.26	
		0.07	0.06		0.01	0.02		-0.03	0.02	
CE8C7V	7.46	0.11	0.39	1.20	-0.54	0.82	1.20	-0.36	0.39	
		0.09	0.17		-0.06	0.05		-0.04	0.02	
KD74FP	7.05	-0.35	0.13	1.22	-0.39	0.16	1.19	-0.50	0.17	
		-0.31	0.06		-0.05	0.01		-0.05	0.01	
4XQDK7	7.37	0.01	0.61	1.24	-0.25	0.25	1.21	-0.30	0.34	
		0.00	0.27		-0.03	0.02		-0.03	0.02	
CQF2X6	8.35	1.10	0.84	1.26	-0.01	0.34	1.32	0.79	0.70	
		0.98	0.37		0.00	0.02		0.08	0.04	
UB76AM	7.50	0.15	0.16	1.39	1.07	0.09	1.33	0.90	0.26	
		0.14	0.07		0.12	0.01		0.09	0.02	
KJAWMY	7.36	0.00	0.07	1.28	0.13	0.16	1.24	0.01	0.17	
		0.00	0.03		0.02	0.01		0.00	0.01	
3D69EG	7.34	-0.02	0.08	1.25	-0.13	0.16	1.24	0.01	0.00	
		-0.02	0.04		-0.02	0.01		0.00	0.00	
BL7NF7	8.53	1.30	0.81	1.56	2.57	2.44	1.54	3.03	0.20	
		1.17	0.36		0.29	0.15		0.30	0.01	
	7.36	0.00	0.70	1.31	0.40	0.15	1.27	0.30	0.22	
		0.00	0.31		0.05	0.01		0.03	0.01	
4C4V8E	6.80	-0.63	0.77	1.19	-0.63	0.19	1.21	-0.33	0.42	
		-0.56	0.34		-0.07	0.01		-0.03	0.03	
BZCGA4	6.91	-0.51	0.12	1.25	-0.10	0.50	1.22	-0.23	0.26	
		-0.46	0.05		-0.01	0.03		-0.02	0.02	
XX43YG	6.13	-1.38	4.12	1.31	0.37	0.62	1.30	0.62	1.02	
		-1.23	1.81		0.04	0.04		0.06	0.06	



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
89DUG9	8.64	1.43	0.22	1.29	0.25	0.07	1.38	1.46	0.31
		1.28	0.09		0.03	0.00		0.14	0.02
RKW4MM	7.37	0.01	0.16	1.16	-0.95	0.50	1.27	0.35	1.19
		0.00	0.07		-0.11	0.03		0.03	0.07
CZ7M44	6.93	-0.48	0.13	1.27	0.01	0.94	1.23	-0.06	1.94
		-0.43	0.06		0.00	0.06		-0.01	0.12
HMD97T	7.01	-0.39	0.13	1.32	0.51	0.51	1.23	-0.07	0.65
		-0.35	0.06		0.06	0.03		-0.01	0.04
3N2CJA	7.44	0.09	0.69	1.24	-0.25	0.25	1.21	-0.26	1.03
		0.08	0.30		-0.03	0.02		-0.03	0.06
	6.59	-0.87	0.31	1.07	-1.74	0.25	1.25	0.11	1.47
		-0.78	0.13		-0.20	0.02		0.01	0.09
KN9DZT	7.97	0.68	0.84	1.26	-0.01	1.04	1.18	-0.60	1.05
		0.60	0.37		0.00	0.06		-0.06	0.06
TPMZPJ	6.35	-1.13	0.61	1.54	2.41	1.28	1.57	3.39	0.77
		-1.01	0.27		0.28	0.08		0.33	0.05
NHLV9L	8.17	0.91	0.79	1.33	0.57	0.16	1.32	0.86	0.26
		0.81	0.35		0.07	0.01		0.08	0.02
VVMYDE	7.77	0.45	0.09	1.10	-1.48	0.25	1.24	-0.02	0.26
		0.40	0.04		-0.17	0.02		0.00	0.02
NT8YFL	6.94	-0.47		1.19	-0.67		1.24	-0.01	
		-0.42	0.00		-0.08	0.00		0.00	0.00
Q77MKK	8.23	0.98	2.81	1.42	1.36	3.65	1.41	1.78	4.01
		0.87	1.24		0.16	0.22		0.17	0.24
Grand Median		7.36			1.27			1.24	
Median Abs Dev		0.41			0.05			0.03	
Avg Within Lab SD		0.44			0.06			0.06	
Labs Included		32			32			32	
Labs Reporting		32			32			32	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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									
SRBSRB1507			SRBSRB1508			SRBSRB1509			Data units: Percent
NRW8AP	3.90	31.49	1.02	2.02	0.88	0.11	1.74	-8.15	0.06
		2.74	0.07		0.14	0.01		-2.14	0.01
6WAFT7	1.14	-0.23	0.13	1.87	-0.09	0.11	3.97	0.31	0.16
		-0.02	0.01		-0.01	0.01		0.08	0.03
HGWQWR	1.18	0.14	0.18	1.79	-0.58	0.27	3.86	-0.09	0.33
		0.01	0.01		-0.09	0.03		-0.02	0.06
FQP3HU	1.19	0.29	0.95	2.02	0.83	0.76	4.31	1.63	1.29
		0.03	0.06		0.13	0.09		0.43	0.23
C47NEY	1.17	0.01	0.67	1.87	-0.12	0.27	3.83	-0.20	0.29
		0.00	0.04		-0.02	0.03		-0.05	0.05
4RZ3B8	1.09	-0.81	1.71	1.69	-1.22	1.66	3.51	-1.43	1.50
		-0.07	0.11		-0.19	0.20		-0.38	0.27
C4PRLY	1.23	0.76	0.15	2.05	1.03	0.99	3.79	-0.38	1.44
		0.07	0.01		0.16	0.12		-0.10	0.25
477W66	1.16	-0.01	0.39	1.82	-0.41	0.53	3.60	-1.09	0.00
		0.00	0.03		-0.06	0.06		-0.29	0.00
CE8C7V	1.11	-0.58	0.23	1.98	0.63	1.15	4.14	0.98	0.09
		-0.05	0.02		0.10	0.14		0.26	0.02
KD74FP	0.96	-2.31	0.23	1.70	-1.16	0.18	3.53	-1.34	0.16
		-0.20	0.02		-0.18	0.02		-0.35	0.03
4XQDK7	1.22	0.60	0.71	1.94	0.37	0.10	3.94	0.21	0.45
		0.05	0.05		0.06	0.01		0.05	0.08
CQF2X6	1.32	1.83	0.64	2.03	0.93	0.22	4.30	1.58	0.59
		0.16	0.04		0.15	0.03		0.41	0.10
UB76AM	1.26	1.06	0.18	2.06	1.10	0.05	4.02	0.51	0.43
		0.09	0.01		0.17	0.01		0.13	0.08
3D69EG	1.17	0.07	0.15	1.92	0.23	0.08	3.94	0.19	0.03
		0.01	0.01		0.04	0.01		0.05	0.01
BL7NF7	1.20	0.39	1.03	1.98	0.59	2.37	3.75	-0.51	0.33
		0.03	0.07		0.09	0.28		-0.13	0.06
	1.18	0.23	1.55	2.02	0.87	0.11	3.92	0.15	0.37
		0.02	0.10		0.14	0.01		0.04	0.06
4C4V8E	1.17	0.11	0.47	1.88	-0.01	0.27	3.90	0.04	1.07
		0.01	0.03		0.00	0.03		0.01	0.19
BZCGA4	1.10	-0.78	0.09	1.87	-0.09	0.42	3.85	-0.15	0.33
		-0.07	0.01		-0.01	0.05		-0.04	0.06
XX43YG	1.14	-0.32	0.69	1.94	0.33	0.73	3.90	0.04	0.99
		-0.03	0.05		0.05	0.09		0.01	0.17
89DUG9	1.10	-0.73	0.08	1.89	0.01	0.12	3.94	0.19	0.45
		-0.06	0.00		0.00	0.01		0.05	0.08



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
RKW4MM	1.11	-0.66	0.18	1.78	-0.67	0.22	3.86	-0.11	0.16
		-0.06	0.01		-0.10	0.03		-0.03	0.03
CZ7M44	1.10	-0.74	1.54	1.83	-0.33	0.97	3.80	-0.33	0.98
		-0.06	0.10		-0.05	0.12		-0.09	0.17
HMD97T	1.18	0.20	0.05	2.01	0.79	0.14	3.87	-0.04	0.48
		0.02	0.00		0.12	0.02		-0.01	0.08
3N2CJA	1.15	-0.16	0.55	1.80	-0.54	0.08	3.79	-0.36	0.83
		-0.01	0.04		-0.08	0.01		-0.10	0.15
	1.08	-1.01	0.76	1.90	0.10	0.42	4.26	1.41	0.41
		-0.09	0.05		0.02	0.05		0.37	0.07
KN9DZT	1.13	-0.43	0.73	1.79	-0.60	0.97	3.57	-1.20	0.79
		-0.04	0.05		-0.09	0.12		-0.32	0.14
TPMZPJ	1.01	-1.81	0.47	1.46	-2.71	0.72	4.52	2.43	2.10
		-0.16	0.03		-0.42	0.09		0.64	0.37
NHLV9L	1.28	1.37	1.45	2.06	1.12	0.17	4.11	0.87	0.20
		0.12	0.09		0.18	0.02		0.23	0.04
VVMYDE	1.15	-0.20	0.32	1.85	-0.20	0.18	3.97	0.32	0.17
		-0.02	0.02		-0.03	0.02		0.08	0.03
NT8YFL	1.21	0.52		1.79	-0.64		3.87	-0.08	
		0.04	0.00		-0.10	0.00		-0.02	0.00
Q77MKK	1.33	1.87	3.74	2.19	1.93	3.83	4.43	2.07	3.63
		0.16	0.24		0.30	0.45		0.54	0.64
Grand Median		1.16			1.88			3.89	
Median Abs Dev		0.05			0.09			0.09	
Avg Within Lab SD		0.07			0.12			0.18	
Labs Included		30			30			30	
Labs Reporting		30			30			30	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	0.73	-4.04	0.17	0.37	2.29	0.01	0.41	1.26	0.18	
		-0.73	0.01		0.08	0.00		0.04	0.00	
6WAFT7	1.52	0.35	0.22	0.30	0.27	0.02	0.37	0.19	0.23	
		0.06	0.01		0.01	0.00		0.01	0.00	
HGWQWR	1.52	0.33	0.26	0.27	-0.52	0.40	0.36	-0.10	0.00	
		0.06	0.02		-0.02	0.01		0.00	0.00	
FQP3HU	1.56	0.58	0.17	0.32	1.04	0.25	0.40	1.13	0.53	
		0.10	0.01		0.04	0.01		0.04	0.01	
C47NEY	1.53	0.37	0.29	0.29	0.10	0.22	0.36	0.00	0.77	
		0.07	0.02		0.00	0.01		0.00	0.01	
4RZ3B8	1.33	-0.70	1.76	0.26	-0.71	0.92	0.34	-0.70	1.40	
		-0.13	0.12		-0.03	0.03		-0.02	0.02	
C4PRLY	1.49	0.17	0.26	0.36	2.03	0.61	0.39	0.90	0.81	
		0.03	0.02		0.07	0.02		0.03	0.01	
477W66	1.40	-0.32	0.52	0.27	-0.43	0.61	0.32	-1.29	0.00	
		-0.06	0.04		-0.02	0.02		-0.04	0.00	
CE8C7V	1.37	-0.52	0.17	0.29	0.13	0.50	0.37	0.23	0.19	
		-0.09	0.01		0.00	0.01		0.01	0.00	
KD74FP	1.29	-0.96	0.52	0.25	-1.07	0.20	0.31	-1.49	0.40	
		-0.17	0.04		-0.04	0.01		-0.05	0.01	
4XQDK7	1.49	0.17	0.77	0.29	0.11	0.00	0.37	0.30	0.81	
		0.03	0.05		0.00	0.00		0.01	0.01	
CQF2X6	1.59	0.70	0.76	0.30	0.48	0.20	0.39	0.90	0.81	
		0.13	0.05		0.02	0.01		0.03	0.01	
UB76AM	1.55	0.48	1.05	0.30	0.48	0.20	0.37	0.30	0.40	
		0.09	0.07		0.02	0.01		0.01	0.01	
3D69EG	1.46	0.02	0.17	0.30	0.39	0.00	0.38	0.50	0.00	
		0.00	0.01		0.01	0.00		0.02	0.00	
BL7NF7	1.48	0.08	1.27	0.29	0.00	1.33	0.35	-0.51	0.40	
		0.02	0.09		0.00	0.04		-0.02	0.01	
	1.38	-0.44	0.47	0.30	0.29	0.20	0.38	0.38	0.13	
		-0.08	0.03		0.01	0.01		0.01	0.00	
4C4V8E	1.40	-0.33	0.65	0.27	-0.52	0.20	0.34	-0.70	0.00	
		-0.06	0.04		-0.02	0.01		-0.02	0.00	
BZCGA4	1.39	-0.39	0.15	0.29	0.20	0.40	0.37	0.30	0.40	
		-0.07	0.01		0.01	0.01		0.01	0.01	
XX43YG	1.35	-0.61	0.93	0.29	0.02	0.40	0.36	0.00	1.07	
		-0.11	0.06		0.00	0.01		0.00	0.02	
89DUG9	1.45	-0.04	0.33	0.27	-0.47	0.18	0.35	-0.28	0.63	
		-0.01	0.02		-0.02	0.01		-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		
RKW4MM	1.31	-0.85	0.34	0.25	-1.07	0.20	0.35	-0.40	0.70
CZ7M44	1.40	-0.15	0.02	0.26	-0.04	0.01	0.35	-0.01	0.01
HMD97T	1.48	-0.33	0.00	0.28	-0.80	0.20	0.34	-0.50	0.40
3N2CJA	1.50	-0.06	0.00	0.27	-0.03	0.01	0.35	-0.02	0.01
	1.41	0.11	0.24	0.29	-0.26	0.06	0.41	-0.62	0.63
KN9DZT	1.54	0.02	0.02	0.28	-0.01	0.00	0.37	-0.02	0.01
TPMZPJ	0.52	0.24	0.75	0.20	-0.38	0.13	0.24	-0.31	1.15
NHLV9L	1.56	-0.26	0.45	0.28	-0.01	0.00	0.37	-0.01	0.02
VVMYDE	1.46	-0.05	0.03	0.18	0.20	0.12	0.35	1.33	0.28
NT8YFL	1.40	0.45	0.39	0.28	0.01	0.00	0.36	0.04	0.00
Q77MKK	1.62	0.08	0.03	0.33	-0.15	0.27	0.42	0.34	0.39
		-5.23	0.15	0.20	-0.01	0.01		0.01	0.01
		-0.94	0.01	0.28	-2.35	0.35		-3.59	0.40
		0.56	1.04	0.28	-0.09	0.01		-0.12	0.01
		0.10	0.07	0.18	-0.07	0.07		0.11	0.21
		0.00	0.30	0.28	0.00	0.00		0.00	0.00
		0.00	0.02	0.33	-2.84	4.72		-0.40	0.00
		-0.36		0.28	-0.10	0.14		-0.01	0.00
		-0.07	0.00	0.28	-0.11			-0.19	
		0.89	4.38	0.33	0.00	0.00		-0.01	0.00
		0.16	0.29	0.33	1.12	1.99		1.69	4.59
				0.33	0.04	0.06		0.06	0.07
Grand Median		1.46			0.29			0.36	
Median Abs Dev		0.07			0.02			0.01	
Avg Within Lab SD		0.07			0.03			0.01	
Labs Included		31			31			31	
Labs Reporting		31			31			31	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	0.25	-4.15	0.23	0.42	5.16	0.04	0.20	-0.69	0.08	
		-0.16	0.00		0.14	0.00		-0.02	0.00	
6WAFT7	0.39	-0.48	0.06	0.28	-0.14	0.09	0.21	-0.49	0.16	
		-0.02	0.00		0.00	0.00		-0.01	0.00	
HGWQWR	0.42	0.26	0.53	0.27	-0.37	0.00	0.25	0.91		
		0.01	0.01		-0.01	0.00		0.03	0.00	
FQP3HU	0.41	0.01	0.84	0.29	0.46	0.31	0.24	0.71	2.13	
		0.00	0.02		0.01	0.00		0.02	0.01	
C47NEY	0.41	0.01	0.53	0.30	0.74	0.82	0.26	1.14	0.87	
		0.00	0.01		0.02	0.01		0.03	0.01	
4RZ3B8	0.39	-0.51	2.31	0.25	-0.99	2.63	0.20	-0.68	1.74	
		-0.02	0.04		-0.03	0.03		-0.02	0.01	
C4PRLY	0.39	-0.42	0.31	0.28	0.00	0.82	0.21	-0.57	0.87	
		-0.02	0.01		0.00	0.01		-0.02	0.01	
477W66	0.40	-0.17	0.81	0.27	-0.25	1.25	0.22	-0.23	0.87	
		-0.01	0.02		-0.01	0.02		-0.01	0.01	
CE8C7V	0.37	-1.09	0.11	0.27	-0.31	1.21	0.23	0.30	0.26	
		-0.04	0.00		-0.01	0.01		0.01	0.00	
KD74FP	0.42	0.18	0.31	0.29	0.49	0.47	0.25	0.80	0.87	
		0.01	0.01		0.01	0.01		0.02	0.01	
4XQDK7	0.43	0.52	0.92	0.28	-0.12	0.47	0.25	0.80	0.87	
		0.02	0.02		0.00	0.01		0.02	0.01	
32WJM7	0.40	-0.17	0.31	0.25	-0.99	0.47	0.22	-0.23	0.87	
		-0.01	0.01		-0.03	0.01		-0.01	0.01	
CQF2X6	0.41	0.01	1.40	0.25	-1.11	0.82	0.21	-0.34	0.87	
		0.00	0.03		-0.03	0.01		-0.01	0.01	
UB76AM	0.44	0.86	0.31	0.29	0.37	0.00	0.22	0.00	0.87	
		0.03	0.01		0.01	0.00		0.00	0.01	
3D69EG	0.43	0.52	0.00	0.29	0.49	0.47	0.24	0.68	0.87	
		0.02	0.00		0.01	0.01		0.02	0.01	
BL7NF7	0.41	-0.02	0.76	0.28	-0.04	1.86	0.21	-0.45	0.16	
		0.00	0.01		0.00	0.02		-0.01	0.00	
4C4V8E	0.41	-0.01	0.40	0.35	2.54	0.80	0.31	3.05	0.68	
		0.00	0.01		0.07	0.01		0.09	0.00	
BZCGA4	0.39	-0.42	0.61	0.26	-0.62	0.47	0.21	-0.46	0.00	
		-0.02	0.01		-0.02	0.01		-0.01	0.00	
XX43YG	0.53	-0.08	0.31	0.27	-0.49	0.47	0.21	-0.46	0.00	
		0.00	0.01		-0.01	0.01		-0.01	0.00	
		3.09	1.40		1.85	0.82		-0.57	0.87	
		0.12	0.03		0.05	0.01		-0.02	0.01	



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
89DUG9	0.44	0.66	0.27	0.30	0.79	0.41	0.28	1.80	1.06
		0.03	0.01		0.02	0.01		0.05	0.01
RKW4MM	0.44	0.69	0.81	0.29	0.25	0.47	0.26	1.37	0.87
		0.03	0.02		0.01	0.01		0.04	0.01
CZ7M44	0.34	-1.79	0.92	0.24	-1.35	0.94	0.21	-0.57	0.87
		-0.07	0.02		-0.04	0.01		-0.02	0.01
HMD97T	0.44	0.75	0.17	0.30	0.84	0.08	0.22	0.04	0.89
		0.03	0.00		0.02	0.00		0.00	0.01
3N2CJA	0.47	1.50	0.93	0.29	0.43	0.29	0.23	0.11	1.01
		0.06	0.02		0.01	0.00		0.00	0.01
	0.39	-0.42	0.75	0.29	0.39	0.39	0.24	0.63	0.17
		-0.02	0.01		0.01	0.00		0.02	0.00
KN9DZT	0.40	-0.24	0.59	0.26	-0.62	0.98	0.21	-0.60	1.85
		-0.01	0.01		-0.02	0.01		-0.02	0.01
TPMZPJ	0.34	-1.71	1.10	0.28	0.00	2.95	0.24	0.57	1.51
		-0.07	0.02		0.00	0.04		0.02	0.01
NHLV9L	0.48	1.72	1.33	0.29	0.37	0.82	0.23	0.34	1.74
		0.07	0.03		0.01	0.01		0.01	0.01
NT8YFL	0.44	0.65		0.26	-0.63		0.20	-0.69	
		0.03	0.00		-0.02	0.00		-0.02	0.00
Q77MKK	0.46	1.29	3.17	0.34	2.22				
		0.05	0.06		0.06	0.00			
Grand Median		0.41			0.28			0.22	
Median Abs Dev		0.02			0.01			0.02	
Avg Within Lab SD		0.02			0.01			0.01	
Labs Included		30			30			29	
Labs Reporting		30			30			29	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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
	SRBSRB1507		SRBSRB1508			SRBSRB1509			
NRW8AP	0.054	-5.654 -2.834 0.000	0.009 0.002 0.178	0.035	0.430 0.008 -0.194	0.216 0.002 0.165	0.033	1.451 0.013 -0.894	0.539 0.001 0.274
6WAFT7	2.888	0.000 0.449 0.225	0.031 0.258 0.045	0.024	-0.003 -0.134 -0.002	0.001 0.224 0.002	0.012	-0.008 -0.262 -0.002	0.001 0.258 0.001
HGWQWR	3.113	0.409 0.205 -0.516	0.150 0.026 1.148	0.025	0.477 0.008 0.344	1.308 0.010 0.746	0.018	0.486 0.004 0.000	1.694 0.004 0.000
FQP3HU	3.093	-0.516 -0.258 -0.383	1.148 0.201 0.282	0.036	0.006 5.881 0.103	0.006 2.586 0.020	0.024	0.000 2.242 0.020	0.000 0.000 0.000
4RZ3B8	2.630	-0.192 -0.802 -0.402	0.049 0.293 0.051	0.033	1.299 0.023 1.488	0.000 0.000 0.789	0.020	1.121 0.010 0.243	0.000 0.000 0.169
C4PRLY	2.697	-0.402 -0.157 -0.078	0.051 0.286 0.050	0.130	0.026 -0.210 -0.004	0.006 0.075 0.001	0.040	0.002 -0.747 -0.007	0.000 0.258 0.001
477W66	2.487	0.535 0.268 -0.509	0.724 0.127 0.175	0.050	0.000 0.000 1.489	0.299 0.002 0.746	0.030	-0.224 -0.002 1.121	0.000 0.000 0.000
CE8C7V	2.810	-0.509 -0.255 -0.243	0.175 0.031 0.087	0.027	0.026 0.535 0.009	0.006 0.746 0.006	0.013	0.010 0.000 0.000	0.000 0.000 0.000
KD74FP	2.508	-0.243 -0.122 0.036	0.087 0.015 0.066	0.053	-0.420 -0.007 -0.167	0.000 0.000 0.262	0.030	0.000 0.000 -0.557	0.000 0.000 0.214
4XQDK7	3.157	0.018 -0.873 -0.438	0.012 0.498 0.087	0.024	0.000 -0.003 0.153	0.000 0.002 0.000	0.018	0.000 -0.005 0.000	0.000 0.000 0.000
CQF2X6	2.633	-0.363 -0.182 0.149	0.677 0.118 0.843	0.030	0.003 1.871 0.033	0.000 3.421 0.026	0.020	0.000 4.485 0.040	0.000 0.000 0.000
UB76AM	2.767	0.075 1.198 0.601	0.147 0.099 0.017	0.060	0.076 0.001 -0.185	0.075 0.001 0.077	0.020	0.224 0.002 -0.480	0.895 0.002 0.361
3D69EG	2.907	-0.029 -0.014 0.309	0.195 0.034 0.630	0.020	-0.003 -0.201 -0.004	0.001 0.105 0.001	0.020	-0.004 -0.523 -0.005	0.001 0.230 0.001
BL7NF7	2.451	0.155 -0.403 -0.202	0.110 0.201 0.035	0.024	-0.004 -0.378 -0.007	0.001 0.151 0.001	0.015	-0.005 -0.374 -0.003	0.001 0.559 0.001
4C4V8E	2.707			0.021			0.060		
XX43YG	2.963						0.022		
89DUG9	3.489						0.016		
HMD97T	2.874						0.015		
3N2CJA	3.043						0.017		



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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		
KN9DZT	3.007	0.236	0.264	0.023	-0.267	0.197	0.015	-0.561	0.447
		0.118	0.046		-0.005	0.002		-0.005	0.001
TPMZPJ	3.600	1.420	3.239	0.027	-0.038	0.746	0.020	0.000	4.475
		0.712	0.567		-0.001	0.006		0.000	0.010
NHLV9L	3.237	0.695	0.960	0.025	-0.109	0.086	0.017	-0.306	0.186
		0.348	0.168		-0.002	0.001		-0.003	0.000
NT8YFL	2.910	0.043		0.021	-0.363		0.015	-0.561	
		0.022	0.000		-0.006	0.000		-0.005	0.000
Q77MKK	3.237	0.695	3.060	0.030	0.153	1.293	0.020	0.000	0.000
		0.348	0.535		0.003	0.010		0.000	0.000
Grand Median		2.89			0.027			0.020	
Median Abs Dev		0.20			0.005			0.004	
Avg Within Lab SD		0.17			0.008			0.002	
Labs Included		25			25			25	
Labs Reporting		25			25			25	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	109.8	-1.8	0.1	188.7	3.5	0.5	58.9	-0.7	0.4	
		-237.9	3.0		106.4	3.2		-30.8	3.4	
6WAFT7	510.9	1.3	0.4	98.0	0.5	0.1	158.1	1.5	0.1	
		163.3	9.2		15.7	0.6		68.4	1.1	
HGWQWR	326.8	-0.2	0.2	62.1	-0.7	0.2	69.5	-0.5	0.2	
		-20.8	4.2		-20.2	1.2		-20.1	1.2	
4RZ3B8	340.9	-0.1	2.2	73.7	-0.3	1.1	60.5	-0.7	0.8	
		-6.7	51.7		-8.6	6.9		-29.1	6.5	
C4PRLY	170.3	-1.4	0.1	50.0	-1.1	0.3	40.0	-1.1	0.1	
		-177.3	1.2		-32.3	2.0		-49.7	1.0	
KD74FP	307.3	-0.3	0.9	71.7	-0.3	0.3	109.3	0.4	0.6	
		-40.3	21.7		-10.6	2.1		19.7	4.6	
CQF2X6	268.0	-0.6	0.5	60.7	-0.7	0.8	54.0	-0.8	0.9	
		-79.6	12.5		-21.6	5.0		-35.7	7.0	
UB76AM	266.3	-0.6	0.9	56.7	-0.8	1.1	74.3	-0.3	0.7	
		-81.3	21.2		-25.6	6.7		-15.3	5.5	
3D69EG	408.3	0.5	0.2	85.5	0.1	0.5	119.4	0.7	0.5	
		60.7	4.0		3.3	3.2		29.8	3.8	
BL7NF7	473.2	1.0	2.7	92.5	0.3	1.1	126.8	0.8	0.3	
		125.6	63.1		10.2	7.0		37.2	2.2	
XX43YG	482.0	1.0	1.1	114.3	1.0	3.5	144.3	1.2	3.7	
		134.4	24.5		32.0	22.1		54.7	28.9	
89DUG9	435.8	0.7	0.3	92.6	0.3	0.3	99.8	0.2	0.6	
		88.1	6.6		10.3	2.0		10.1	4.5	
HMD97T	542.0	1.5	1.2	117.2	1.1	0.4	187.1	2.2	1.2	
		194.4	27.9		34.9	2.5		97.5	9.0	
3N2CJA	402.0	0.4	1.0	86.9	0.2	0.1	105.2	0.3	0.7	
		54.4	23.1		4.6	0.6		15.5	5.8	
	327.0	-0.2	0.5	79.0	-0.1	0.5	87.3	-0.1	0.3	
		-20.6	11.0		-3.3	3.1		-2.4	2.2	
KN9DZT	406.3	0.5	0.3	88.7	0.2	1.1	92.0	0.1	0.6	
		58.7	7.6		6.4	6.7		2.4	4.6	
TPMZPJ	339.2	-0.1	0.5	87.0	0.2	1.0	85.0	-0.1	0.4	
		-8.4	11.2		4.7	6.0		-4.6	3.1	
NHLV9L	354.3	0.1	0.4	66.6	-0.5	0.4	60.7	-0.6	0.1	
		6.7	9.1		-15.7	2.4		-29.0	0.8	
NT8YFL	397.1	0.4		77.3	-0.2		95.4	0.1		
		49.5	0.0		-5.0	0.0		5.7	0.0	
Q77MKK	201.0	-1.1	0.9	41.5	-1.3	0.2	45.9	-1.0	0.4	
		-146.7	20.5		-40.8	1.3		-43.8	2.8	



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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		
Grand Median	347.6			82.3			89.7		
Median Abs Dev	70.2			13.1			29.0		
Avg Within Lab SD	23.0			6.3			7.7		
Labs Included	20			20			20		
Labs Reporting	20			20			20		



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	53.1	6.6	0.5	73.8	1.7	0.5	167.1	10.4	1.1	
		25.2	1.2		13.2	1.3		89.8	3.2	
HGWQWR	27.3	-0.1	0.4	57.5	-0.4	0.4	74.9	-0.3	0.4	
		-0.6	0.8		-3.2	1.1		-2.4	1.0	
FQP3HU	27.9	0.0	0.5	64.9	0.6	0.4	82.2	0.6	0.2	
		0.0	1.0		4.3	1.1		4.8	0.7	
C47NEY	29.2	0.3	0.4	58.5	-0.3	0.4	74.3	-0.4	0.2	
		1.3	0.8		-2.1	1.1		-3.0	0.6	
4RZ3B8	30.9	0.8	1.5	61.8	0.2	2.4	78.5	0.1	1.7	
		3.0	3.2		1.2	7.0		1.2	4.9	
C4PRLY	27.3	-0.1	0.3	61.7	0.1	0.2	76.0	-0.2	0.3	
		-0.6	0.6		1.0	0.6		-1.3	1.0	
477W66	27.9	0.0	0.4	56.9	-0.5	0.7	70.1	-0.8	0.6	
		0.0	0.8		-3.7	1.9		-7.2	1.7	
CE8C7V	28.3	0.1	0.9	65.2	0.6	0.5	83.2	0.7	1.5	
		0.4	2.0		4.6	1.4		5.9	4.3	
KD74FP	26.7	-0.3	0.3	56.3	-0.6	0.4	71.3	-0.7	0.2	
		-1.2	0.6		-4.3	1.2		-6.0	0.6	
4XQDK7	30.4	0.7	0.6	63.2	0.3	0.4	80.7	0.4	0.8	
		2.5	1.2		2.6	1.0		3.4	2.2	
CQF2X6	17.0	-2.8	0.5	44.0	-2.2	0.3	60.3	-2.0	1.0	
		-10.9	1.0		-16.6	1.0		-17.0	2.9	
UB76AM	27.0	-0.2		66.7	0.8	0.2	83.7	0.7	0.2	
		-0.9	0.0		6.0	0.6		6.4	0.6	
3D69EG	27.9	0.0	0.2	59.3	-0.2	0.1	74.2	-0.4	0.2	
		0.0	0.4		-1.3	0.3		-3.1	0.7	
BL7NF7	24.2	-1.0	0.6	50.8	-1.3	1.6	62.6	-1.7	0.5	
		-3.7	1.3		-9.8	4.7		-14.7	1.5	
	30.2	0.6	0.0	59.6	-0.1	0.4	73.6	-0.4	0.3	
		2.3	0.1		-1.0	1.1		-3.7	0.7	
BZCGA4	19.0	-2.3	0.5	50.0	-1.4	0.3	65.0	-1.4		
		-8.9	1.0		-10.6	1.0		-12.3	0.0	
XX43YG	37.3	2.5	3.5	68.3	1.0	1.4	78.0	0.1	2.7	
		9.4	7.5		7.7	4.0		0.7	7.8	
89DUG9	26.7	-0.3	0.3	58.8	-0.2	0.6	77.9	0.1	0.7	
		-1.2	0.6		-1.9	1.8		0.6	2.1	
RKW4MM	26.7	-0.3	0.2	56.2	-0.6	0.6	76.7	-0.1	0.6	
		-1.2	0.5		-4.4	1.7		-0.6	1.8	
CZ7M44	29.5	0.4	1.0	63.4	0.4	0.2	79.1	0.2	0.0	
		1.6	2.1		2.8	0.7		1.8	0.1	



ALP Program - Participant Web Summary Report - Cycle 28

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
HMD97T	28.1	0.0	0.2	64.7	0.5	0.2	78.4	0.1	1.0
		0.2	0.3		4.0	0.6		1.1	3.0
3N2CJA	27.7	0.0	0.6	58.5	-0.3	0.2	74.9	-0.3	1.0
		-0.2	1.4		-2.1	0.7		-2.4	3.0
	28.8	0.2	0.4	65.0	0.6	1.1	86.9	1.1	0.7
		0.9	1.0		4.4	3.2		9.6	2.0
KN9DZT	30.3	0.6	1.1	65.7	0.7	1.5	82.1	0.6	0.8
		2.4	2.5		5.1	4.5		4.8	2.4
TPMZPJ	31.7	1.0	0.9	65.3	0.6	1.5	88.0	1.2	0.6
		3.8	1.9		4.7	4.2		10.7	1.8
NHLV9L	31.4	0.9	1.0	67.7	0.9	0.3	85.8	1.0	0.1
		3.5	2.2		7.0	0.9		8.5	0.3
VVMYDE	22.5	-1.4	0.2	49.7	-1.4	0.3	67.7	-1.1	0.1
		-5.4	0.5		-11.0	0.8		-9.6	0.3
NT8YFL	26.2	-0.4		54.9	-0.8		70.9	-0.7	
		-1.7	0.0		-5.7	0.0		-6.4	0.0
Q77MKK	32.7	1.2	2.5	70.2	1.3	3.0	92.0	1.7	2.8
		4.8	5.4		9.6	8.6		14.7	8.0
Grand Median		27.9			60.6			77.3	
Median Abs Dev		1.4			4.3			4.8	
Avg Within Lab SD		2.2			2.9			2.9	
Labs Included		28			28			28	
Labs Reporting		28			28			28	



ALP Program - Participant Web Summary Report - Cycle 28

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

Zn (SubTestCode 220)			in the Wet Digestion Property Groups						Data units: mg/kg
	SRBSRB1507		SRBSRB1508			SRBSRB1509			
NRW8AP	82.6	8.8	0.1	313.8	15.8	0.4	62.0	-1.9	0.3
		39.9	0.3		205.0	2.1		-19.1	0.8
6WAFT7	43.0	0.1	0.1	110.9	0.2	0.1	81.4	0.0	0.1
		0.3	0.3		2.0	0.6		0.3	0.3
HGWQWR	43.3	0.1	0.1	106.6	-0.2	0.4	82.6	0.2	0.6
		0.6	0.3		-2.3	2.1		1.5	1.5
FQP3HU	43.3	0.1	0.6	123.3	1.1	0.3	87.6	0.7	0.1
		0.6	1.5		14.5	1.4		6.5	0.3
C47NEY	43.4	0.1	0.6	105.4	-0.3	0.1	76.0	-0.5	0.4
		0.7	1.4		-3.4	0.8		-5.1	1.0
4RZ3B8	43.5	0.2	1.8	106.1	-0.2	1.6	76.9	-0.4	2.0
		0.8	4.2		-2.8	8.3		-4.1	4.7
C4PRLY	41.7	-0.2	0.5	116.0	0.6	0.9	84.0	0.3	0.8
		-1.0	1.2		7.2	4.6		2.9	2.0
477W66	94.3	11.4	0.7	150.8	3.2	0.5	114.6	3.4	1.0
		51.6	1.6		42.0	2.6		33.6	2.4
CE8C7V	42.7	0.0	1.0	116.3	0.6	1.2	87.1	0.6	0.4
		0.0	2.3		7.5	6.0		6.1	1.0
KD74FP	40.0	-0.6	0.4	107.0	-0.1	0.3	78.3	-0.3	0.5
		-2.7	1.0		-1.8	1.7		-2.7	1.2
4XQDK7	42.7	0.0	0.8	94.1	-1.1	0.3	82.5	0.1	0.4
		0.0	1.8		-14.7	1.5		1.5	0.8
CQF2X6	47.3	1.0	0.5	114.0	0.4	0.6	91.0	1.0	0.4
		4.6	1.2		5.2	3.0		9.9	1.0
UB76AM	42.0	-0.2	0.4	116.3	0.6	0.2	84.3	0.3	0.6
		-0.7	1.0		7.5	1.2		3.3	1.5
3D69EG	44.8	0.5	0.1	112.6	0.3	0.2	82.4	0.1	0.2
		2.1	0.3		3.8	1.0		1.4	0.4
BL7NF7	47.1	1.0	2.0	120.7	0.9	3.5	78.6	-0.2	0.8
		4.4	4.5		11.9	18.1		-2.5	1.8
	40.2	-0.5	0.7	108.8	0.0	0.4	77.1	-0.4	0.2
		-2.5	1.6		0.0	2.4		-4.0	0.4
4C4V8E	41.7	-0.2	0.2	107.0	-0.1		79.0	-0.2	
		-1.0	0.6		-1.8	0.0		-2.1	0.0
BZCGA4	39.0	-0.8	0.4	98.7	-0.8	0.2	76.3	-0.5	0.2
		-3.7	1.0		-10.2	1.2		-4.7	0.6
XX43YG	29.0	-3.0	3.2	144.3	2.7	0.9	111.7	3.1	2.6
		-13.7	7.5		35.5	4.5		30.6	6.1
89DUG9	44.6	0.4	0.3	115.7	0.5	0.2	87.8	0.7	0.9
		1.9	0.7		6.9	1.3		6.8	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		
RKW4MM	41.7	-0.2	0.5	107.7	-0.1	0.6	83.8	0.3	0.5
		-1.0	1.2		-1.2	3.1		2.7	1.2
CZ7M44	41.8	-0.2	0.5	110.7	0.1	0.3	83.6	0.3	0.7
		-0.9	1.1		1.8	1.5		2.5	1.6
HMD97T	42.3	-0.1	0.2	113.0	0.3	0.2	80.3	-0.1	0.8
		-0.4	0.5		4.2	1.2		-0.7	2.0
3N2CJA	38.7	-0.9	0.8	99.4	-0.7	0.1	75.5	-0.6	1.6
		-4.0	1.9		-9.4	0.6		-5.5	3.9
	44.2	0.3	0.7	83.0	-2.0	1.6	59.2	-2.2	0.3
		1.5	1.7		-25.8	8.3		-21.9	0.7
KN9DZT	37.8	-1.1	0.9	95.2	-1.1	1.1	66.2	-1.5	1.0
		-4.9	2.2		-13.6	5.6		-14.9	2.3
TPMZPJ	27.2	-3.4	0.1	80.8	-2.2	1.0	57.4	-2.4	0.6
		-15.5	0.3		-28.0	5.0		-23.7	1.5
NHLV9L	43.8	0.3	1.2	111.0	0.2	0.3	84.8	0.4	0.4
		1.1	2.8		2.2	1.7		3.7	0.9
VVMYDE	43.1	0.1	0.3	108.0	-0.1	0.4	81.1	0.0	0.3
		0.4	0.7		-0.8	2.0		0.0	0.6
NT8YFL	31.8	-2.4		94.6	-1.1		69.7	-1.1	
		-10.9	0.0		-14.3	0.0		-11.4	0.0
Q77MKK	49.2	1.4	1.8	121.9	1.0	2.3	92.9	1.2	3.0
		6.5	4.3		13.0	11.8		11.8	7.1
Grand Median		42.7			108.8			81.1	
Median Abs Dev		1.1			6.9			4.0	
Avg Within Lab SD		2.3			5.2			2.4	
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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	121.1	7.1	0.1	137.0	-3.0	0.0	51.3	3.6	0.4	
		58.3	0.4		-99.0	0.5		18.2	0.7	
6WAFT7	62.9	0.0	0.2	204.0	-1.0	0.1	33.2	0.0	0.1	
		0.1	0.6		-32.0	2.6		0.2	0.2	
HGWQWR	62.1	-0.1	0.2	229.1	-0.2	0.2	32.9	0.0	1.5	
		-0.7	0.7		-6.9	6.5		-0.1	2.6	
FQP3HU	63.3	0.1	0.1	258.4	0.7	0.1	35.2	0.4	0.8	
		0.5	0.3		22.4	4.3		2.2	1.4	
C47NEY	62.1	-0.1	0.4	238.3	0.1	0.1	33.0	0.0	0.6	
		-0.7	1.2		2.3	3.8		0.0	1.0	
4RZ3B8	60.4	-0.3	2.1	204.8	-0.9	0.7	30.3	-0.5	1.3	
		-2.4	6.3		-31.2	20.1		-2.7	2.2	
C4PRLY	63.3	0.1	0.4	251.7	0.5	0.1	41.0	1.6		
		0.6	1.2		15.7	4.0		8.0	0.0	
477W66	57.9	-0.6	0.2	58.7	-5.4	0.0	29.7	-0.7	0.3	
		-4.9	0.5		-177.3	0.4		-3.4	0.6	
CE8C7V	41.2	-2.6	1.1	236.0	0.0	0.5	17.3	-3.1	1.6	
		-21.6	3.2		0.0	13.9		-15.8	2.7	
KD74FP	53.7	-1.1	0.5	210.0	-0.8	0.1	29.0	-0.8		
		-9.1	1.5		-26.0	3.5		-4.0	0.0	
4XQDK7	64.4	0.2	0.7	239.7	0.1	0.1	33.2	0.0	0.4	
		1.7	2.2		3.7	3.1		0.2	0.7	
CQF2X6	67.7	0.6	0.7	251.3	0.5	0.1	38.3	1.0	0.7	
		4.9	2.1		15.3	4.2		5.3	1.2	
UB76AM	67.0	0.5		257.3	0.6	0.1	35.3	0.5	0.7	
		4.2	0.0		21.3	2.1		2.3	1.2	
3D69EG	66.5	0.5	0.1	238.2	0.1	0.0	35.2	0.4	0.1	
		3.7	0.4		2.2	1.1		2.1	0.2	
BL7NF7	67.5	0.6	1.6	248.8	0.4	1.3	32.0	-0.2	0.6	
		4.7	4.7		12.8	38.7		-1.1	1.0	
	61.3	-0.2	0.9	247.0	0.3	0.1	33.0	0.0	0.4	
		-1.5	2.8		11.0	3.1		-0.1	0.6	
4C4V8E	62.3	-0.1	0.2	230.7	-0.2	0.3	32.7	-0.1	0.7	
		-0.4	0.6		-5.3	7.6		-0.4	1.2	
BZCGA4	42.0	-2.5	0.3	227.0	-0.3	2.0	15.0	-3.5		
		-20.8	1.0		-9.0	58.9		-18.0	0.0	
XX43YG	66.7	0.5	1.2	244.7	0.3	0.3	34.0	0.2	1.6	
		3.9	3.5		8.7	9.0		1.0	2.6	
89DUG9	64.4	0.2	0.4	251.9	0.5	0.1	35.4	0.5	0.7	
		1.6	1.1		15.9	3.3		2.4	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		
RKW4MM	62.8	0.0	0.4	232.3	-0.1	0.1	34.0	0.2	0.4
		0.1	1.2		-3.7	2.1		1.0	0.6
CZ7M44	60.2	-0.3	1.0	238.3	0.1	0.3	32.9	0.0	0.8
		-2.6	3.0		2.3	9.0		-0.1	1.4
HMD97T	63.7	0.1	0.5	251.7	0.5	0.1	33.2	0.0	0.7
		1.0	1.4		15.7	2.4		0.2	1.1
3N2CJA	61.8	-0.1	0.7	230.7	-0.2	0.1	32.3	-0.1	0.9
		-0.9	2.2		-5.3	1.5		-0.7	1.5
	59.1	-0.5	0.6	246.3	0.3	0.2	37.0	0.8	0.2
		-3.7	1.7		10.3	5.5		4.0	0.4
KN9DZT	60.9	-0.2	0.3	234.0	-0.1	0.1	33.0	0.0	0.3
		-1.8	0.8		-2.0	3.6		0.0	0.5
TPMZPJ	59.8	-0.4	0.8	213.6	-0.7	0.4	30.8	-0.4	0.5
		-3.0	2.3		-22.4	11.9		-2.3	0.8
NHLV9L	66.9	0.5	1.1	164.8	-2.2	4.8	35.3	0.5	0.6
		4.1	3.3		-71.2	142.5		2.3	0.9
VVMYDE	62.8	0.0	0.4	231.0	-0.2	0.1	32.3	-0.1	0.1
		0.0	1.1		-5.0	1.7		-0.7	0.1
NT8YFL	60.9	-0.2		233.5	-0.1		29.0	-0.8	
		-1.8	0.0		-2.5	0.0		-4.1	0.0
Q77MKK	68.4	0.7	3.8	266.8	0.9	1.1	37.2	0.8	3.9
		5.6	11.4		30.8	34.2		4.2	6.5
Grand Median		62.8			236.0			33.0	
Median Abs Dev		2.4			11.0			2.2	
Avg Within Lab SD		3.0			29.8			1.7	
Labs Included		31			31			31	
Labs Reporting		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
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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	163.4	-5.0	0.0	250.2	6.5	0.2	81.6	-1.9	0.2	
		-290.1	1.8		98.3	1.7		-22.9	0.6	
6WAFT7	496.9	0.7	0.1	156.2	0.3	0.4	110.7	0.5	0.2	
		43.4	5.1		4.3	3.9		6.2	0.6	
HGWQWR	460.1	0.1	0.2	142.7	-0.6	0.3	103.2	-0.1	0.5	
		6.6	9.0		-9.2	3.2		-1.3	2.0	
FQP3HU	445.7	-0.1	0.1	152.8	0.1	0.7	109.5	0.4	1.1	
		-7.8	5.2		0.9	7.0		5.0	4.2	
C47NEY	422.5	-0.5	0.1	155.9	0.3	0.5	102.3	-0.2	0.4	
		-31.0	7.6		4.0	4.3		-2.2	1.5	
4RZ3B8	428.9	-0.4	1.0	136.3	-1.0	1.0	90.5	-1.2	0.9	
		-24.6	56.0		-15.6	9.6		-14.0	3.5	
C4PRLY	374.3	-1.4	0.2	175.0	1.5	0.9	111.3	0.6	0.8	
		-79.2	9.9		23.1	8.5		6.8	2.9	
477W66	422.3	-0.5	0.1	162.0	0.7	0.5	101.7	-0.2	1.4	
		-31.2	4.5		10.1	4.4		-2.9	5.0	
CE8C7V	410.3	-0.7	0.4	147.7	-0.3	0.9	92.6	-1.0	0.3	
		-43.2	21.2		-4.2	8.6		-11.9	1.1	
KD74FP	450.7	0.0	0.4	147.3	-0.3	0.1	100.0	-0.4	0.5	
		-2.8	20.6		-4.5	1.2		-4.5	1.7	
4XQDK7	467.7	0.2	0.2	151.0	-0.1	0.1	108.0	0.3	0.7	
		14.2	9.0		-0.9	1.0		3.5	2.6	
CQF2X6	456.3	0.0	0.4	147.0	-0.3	1.1	104.7	0.0	0.3	
		2.8	24.0		-4.9	10.1		0.2	1.2	
UB76AM	385.7	-1.2	0.2	144.3	-0.5	0.2	90.0	-1.2	0.3	
		-67.8	10.0		-7.5	1.5		-14.5	1.0	
3D69EG	513.4	1.0	0.0	166.6	1.0	0.1	110.8	0.5	0.0	
		59.9	2.3		14.8	0.5		6.3	0.0	
BL7NF7	620.6	2.9	3.3	152.7	0.1	3.5	103.2	-0.1	0.5	
		167.1	192.9		0.9	33.5		-1.3	1.9	
	544.7	1.6	0.6	182.2	2.0	0.7	120.3	1.3	0.4	
		91.2	34.2		30.4	6.3		15.7	1.7	
4C4V8E	486.0	0.6	0.1	153.7	0.1	0.6	108.7	0.4	1.1	
		32.5	7.0		1.8	5.7		4.2	4.2	
BZCGA4	448.0	-0.1	0.2	115.7	-2.4	0.2	66.3	-3.2	0.2	
		-5.5	9.0		-36.2	1.5		-38.2	0.6	
XX43YG	505.3	0.9	0.7	158.0	0.4	1.5	110.3	0.5	2.2	
		51.8	39.6		6.1	13.9		5.8	8.1	
89DUG9	493.8	0.7	0.2	158.2	0.4	0.3	109.9	0.5	0.5	
		40.3	11.1		6.3	2.7		5.4	2.0	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
RKW4MM	489.3	0.6	0.2	150.3	-0.1	0.4	108.7	0.4	0.7
		35.8	9.0		-1.5	3.5		4.2	2.5
CZ7M44	435.7	-0.3	0.3	149.0	-0.2	0.7	106.3	0.2	1.3
		-17.8	18.9		-2.9	6.2		1.8	4.9
HMD97T	542.8	1.5	0.5	173.1	1.4	0.5	114.6	0.9	0.8
		89.3	26.4		21.2	4.3		10.1	2.9
3N2CJA	490.3	0.6	1.3	139.3	-0.8	0.3	96.7	-0.7	1.2
		36.8	74.7		-12.5	3.2		-7.8	4.6
	423.0	-0.5	0.2	120.7	-2.0	1.3	81.9	-1.9	0.3
		-30.5	11.4		-31.2	12.5		-22.6	1.1
KN9DZT	457.0	0.1	0.2	143.0	-0.6	1.1	92.0	-1.1	1.2
		3.5	12.5		-8.9	10.0		-12.5	4.3
TPMZPJ	390.9	-1.1	0.2	145.4	-0.4	0.8	104.4	0.0	0.8
		-62.6	14.3		-6.4	7.5		-0.2	3.0
NHLV9L	477.0	0.4	0.2	155.0	0.2	0.2	109.0	0.4	0.5
		23.5	10.6		3.1	1.7		4.5	1.7
VVMYDE	476.3	0.4	0.2	156.3	0.3	0.3	107.3	0.2	0.4
		22.8	9.9		4.5	3.2		2.8	1.5
NT8YFL	439.9	-0.2		134.0	-1.2		94.2	-0.9	
		-13.6	0.0		-17.9	0.0		-10.3	0.0
Q77MKK	417.3	-0.6	3.8	164.3	0.8	2.2	116.9	1.0	3.2
		-36.2	220.5		12.4	20.9		12.4	12.0
Grand Median		453.5			151.9			104.5	
Median Abs Dev		31.8			6.4			5.6	
Avg Within Lab SD		58.1			9.5			3.7	
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		

Cu (SubTestCode 223)				in the Wet Digestion Property Groups						Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
NRW8AP	18.2	-1.1	0.1	87.4	11.8	0.2	17.3	-6.2	0.0	
		-2.4	0.1		44.1	0.4		-18.2	0.0	
6WAFT7	20.6	0.0	0.1	42.2	-0.3	0.3	34.8	-0.3	0.2	
		0.0	0.2		-1.1	0.8		-0.8	0.3	
HGWQWR	20.7	0.1	0.2	42.2	-0.3	0.8	36.3	0.3	0.3	
		0.1	0.2		-1.1	1.9		0.8	0.5	
FQP3HU	21.1	0.2	0.7	54.2	2.9	0.2	36.4	0.3	0.6	
		0.5	0.8		10.9	0.5		0.9	1.0	
C47NEY	19.0	-0.8	0.1	42.6	-0.2	0.2	33.7	-0.6	0.4	
		-1.6	0.1		-0.7	0.6		-1.8	0.6	
4RZ3B8	21.4	0.4	2.1	39.6	-1.0	1.1	33.2	-0.8	1.3	
		0.8	2.5		-3.6	2.7		-2.4	2.0	
C4PRLY	22.3	0.8	1.0	45.7	0.6	0.5	37.0	0.5	0.6	
		1.7	1.2		2.4	1.2		1.5	1.0	
477W66	15.5	-2.4	0.3	39.5	-1.0	0.5	29.9	-1.9	0.4	
		-5.1	0.4		-3.7	1.4		-5.6	0.7	
CE8C7V	18.7	-0.9	0.7	47.5	1.1	1.2	37.1	0.5	0.2	
		-1.9	0.8		4.2	3.0		1.6	0.3	
KD74FP	19.7	-0.4	0.5	43.3	0.0	0.2	34.3	-0.4	0.4	
		-0.9	0.6		0.1	0.6		-1.2	0.6	
4XQDK7	24.4	1.8	0.4	37.8	-1.4	0.3	32.0	-1.2	0.5	
		3.8	0.5		-5.4	0.8		-3.5	0.7	
CQF2X6	19.0	-0.8	0.8	42.7	-0.2	0.6	35.3	-0.1	0.4	
		-1.6	1.0		-0.6	1.5		-0.2	0.6	
UB76AM	21.0	0.2		45.7	0.6	0.6	37.3	0.6	0.7	
		0.4	0.0		2.4	1.5		1.8	1.2	
3D69EG	20.2	-0.2	0.1	45.6	0.6	0.2	35.7	0.1	0.1	
		-0.4	0.2		2.3	0.4		0.2	0.2	
BL7NF7	18.6	-0.9	1.0	42.3	-0.3	3.5	29.4	-2.1	0.6	
		-2.0	1.2		-1.0	8.7		-6.2	1.0	
	19.9	-0.3	0.8	41.7	-0.4	0.1	35.1	-0.2	0.3	
		-0.7	0.9		-1.6	0.3		-0.5	0.5	
4C4V8E	20.3	-0.1	0.5	42.0	-0.3		35.3	-0.1	0.4	
		-0.3	0.6		-1.3	0.0		-0.2	0.6	
BZCGA4	21.0	0.2		44.0	0.2	0.4	36.7	0.4	0.4	
		0.4	0.0		0.7	1.0		1.1	0.6	
XX43YG	22.3	0.8	1.3	46.3	0.8	1.6	37.0	0.5	1.7	
		1.7	1.5		3.1	4.0		1.5	2.6	
89DUG9	22.3	0.8	0.4	45.7	0.7	0.3	38.6	1.1	0.6	
		1.7	0.5		2.5	0.9		3.1	1.0	



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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		
RKW4MM	19.5	-0.5	0.3	40.8	-0.7	0.5	36.4	0.3	0.6
		-1.1	0.4		-2.5	1.3		0.9	0.9
CZ7M44	21.1	0.2	0.5	47.7	1.2	0.2	34.6	-0.3	3.9
		0.5	0.6		4.4	0.6		-0.9	6.2
HMD97T	21.0	0.2	0.3	48.2	1.3	0.9	36.9	0.4	0.5
		0.4	0.3		4.9	2.3		1.3	0.7
3N2CJA	18.8	-0.8	0.3	41.9	-0.4	0.9	33.3	-0.8	1.1
		-1.8	0.4		-1.4	2.1		-2.2	1.8
	20.6	0.0	1.9	43.2	0.0	0.4	38.2	0.9	0.9
		0.0	2.2		-0.1	1.0		2.7	1.4
KN9DZT	18.4	-1.0	0.4	42.5	-0.2	0.9	33.9	-0.5	0.2
		-2.2	0.5		-0.8	2.2		-1.6	0.4
TPMZPJ	25.1	2.1	1.5	46.0	0.7	0.8	41.0	1.9	0.6
		4.5	1.8		2.8	2.1		5.5	1.0
NHLV9L	21.2	0.3	0.8	45.0	0.5	0.8	38.1	0.9	0.3
		0.6	1.0		1.8	2.0		2.5	0.5
VVMYDE	22.8	1.0	0.4	41.2	-0.6	0.2	34.4	-0.4	0.2
		2.2	0.5		-2.1	0.5		-1.1	0.4
NT8YFL	19.1	-0.7		46.6	0.9		35.7	0.1	
		-1.4	0.0		3.4	0.0		0.2	0.0
Q77MKK	22.9	1.1	3.4	46.4	0.8	2.4	41.6	2.1	2.0
		2.3	4.0		3.1	6.0		6.1	3.1
Grand Median		20.6			43.3			35.5	
Median Abs Dev		1.3			2.4			1.5	
Avg Within Lab SD		1.2			2.5			1.6	
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		

Mo (SubTestCode 224)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
6WAF7	0.82	0.14	0.28	1.12	-0.12	0.30	0.62	-0.58	0.68	
		0.02	0.03		-0.02	0.03		-0.05	0.03	
C47NEY	0.84	0.30	0.32	1.11	-0.17	0.27	0.73	0.69	0.53	
		0.04	0.03		-0.02	0.02		0.06	0.03	
C4PRLY	0.95	1.08	0.10	1.13	-0.05	0.47	0.73	0.69	1.16	
		0.15	0.01		-0.01	0.04		0.06	0.06	
KD74FP	0.77	-0.27	0.61	1.17	0.22	0.68	0.70	0.37	2.10	
		-0.04	0.06		0.03	0.06		0.03	0.10	
CQF2X6	0.73	-0.51	4.73	2.33	8.73	16.34	0.97	3.62	6.43	
		-0.07	0.45		1.20	1.38		0.30	0.31	
3D69EG				1.05	-0.61	0.90				
					-0.08	0.08				
BL7NF7	0.97	1.23	3.22	1.35	1.54	3.01	0.71	0.53	1.02	
		0.17	0.31		0.21	0.25		0.04	0.05	
XX43YG	0.67	-0.95	0.79	1.00	-1.00	1.03	0.54	-1.58	1.64	
		-0.13	0.08		-0.14	0.09		-0.13	0.08	
89DUG9	1.07	1.98	0.24	1.37	1.68	0.42				
		0.27	0.02		0.23	0.04				
HMD97T				1.35	1.55	0.29				
					0.21	0.02				
3N2CJA	0.78	-0.14	0.33	1.12	-0.15	0.65	0.62	-0.57	0.43	
		-0.02	0.03		-0.02	0.06		-0.05	0.02	
	0.83	0.19	0.28	1.20	0.44	0.89	0.67	0.01	0.36	
		0.03	0.03		0.06	0.08		0.00	0.02	
KN9DZT	0.78	-0.17	0.14	1.14	0.05	0.56	0.64	-0.33	0.24	
		-0.02	0.01		0.01	0.05		-0.03	0.01	
TPMZPJ	0.66	-1.05	0.10	0.94	-1.46	0.48	0.50	-2.07	0.42	
		-0.14	0.01		-0.20	0.04		-0.17	0.02	
NHLV9L	0.88	0.59	0.44	1.19	0.41	0.48	0.67	0.00	0.42	
		0.08	0.04		0.06	0.04		0.00	0.02	
Grand Median		0.80			1.14			0.67		
Median Abs Dev		0.06			0.06			0.05		
Avg Within Lab SD		0.10			0.08			0.05		
Labs Included		12			14			11		
Labs Reporting		12			14			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		

P (SubTestCode 225)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	0.58	-0.09	0.30	0.27	0.00	0.99	0.14	-0.82	0.27	
		-0.01	0.00		0.00	0.01		-0.01	0.00	
Q4YHTG	0.71	1.71	0.87	0.32	1.38	1.68	0.16	0.94	1.91	
		0.12	0.01		0.05	0.01		0.01	0.01	
32WJM7	0.59	0.00	0.87	0.26	-0.42	0.00	0.15	0.00	0.00	
		0.00	0.01		-0.01	0.00		0.00	0.00	
BL7NF7	0.66	1.05	1.28	0.30	0.67	0.52	0.15	0.37	0.26	
		0.07	0.01		0.02	0.00		0.00	0.00	
RLDZFM	0.55	-0.52	1.33	0.24	-0.91	0.97	0.14	-1.25	1.10	
		-0.04	0.02		-0.03	0.01		-0.01	0.01	
Grand Median		0.59		0.27			0.15			
Median Abs Dev		0.04		0.02			0.01			
Avg Within Lab SD		0.01		0.01			0.01			
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		

K (SubTestCode 226)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	7.70	0.12	0.09	10.45	3.49	2.06	1.07	-0.29	1.84	
		0.18	0.02		9.10	0.05		-0.11	0.03	
Q4YHTG	7.99	0.30	0.04	1.41	0.02	0.44	1.31	0.36	0.64	
		0.48	0.01		0.06	0.01		0.13	0.01	
32WJM7	7.33	-0.12	0.23	1.28	-0.02	0.00	1.28	0.29	0.96	
		-0.18	0.06		-0.06	0.00		0.11	0.02	
BL7NF7	8.38	0.55	0.63	1.52	0.07	0.46	1.48	0.83	0.40	
		0.87	0.17		0.18	0.01		0.31	0.01	
RLDZFM	7.32	-0.13	2.35	0.98	-0.14	0.44	1.02	-0.42	0.55	
		-0.20	0.65		-0.36	0.01		-0.15	0.01	
8QG8D6	3.06	-2.83	0.08	0.54	-0.31	1.08	0.49	-1.85	0.91	
		-4.46	0.02		-0.80	0.03		-0.68	0.02	
Grand Median		7.51			1.34			1.17		
Median Abs Dev		0.34			0.27			0.14		
Avg Within Lab SD		0.28			0.03			0.02		
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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	1.18	-0.09	1.25	2.05	0.14	1.23	3.67	-0.20	1.89	
		-0.03	0.03		0.07	0.03		-0.17	0.19	
Q4YHTG	1.19	-0.04	0.50	1.82	-0.35	0.39	3.60	-0.29	0.10	
		-0.01	0.01		-0.17	0.01		-0.24	0.01	
32WJM7	1.22	0.04	0.29	1.92	-0.14	0.45	4.01	0.20	0.39	
		0.01	0.01		-0.07	0.01		0.17	0.04	
BL7NF7	1.30	0.32	0.51	2.25	0.54	1.35	4.15	0.37	0.60	
		0.10	0.01		0.26	0.04		0.31	0.06	
RLDZFM	1.30	0.31	1.89	2.16	0.35	1.02	4.34	0.60	1.22	
		0.09	0.04		0.17	0.03		0.50	0.12	
8QG8D6	0.23	-3.24	0.50	0.76	-2.54	1.13	1.83	-2.40	0.64	
		-0.98	0.01		-1.23	0.03		-2.01	0.07	
Grand Median		1.20		1.99			3.84			
Median Abs Dev		0.06		0.17			0.28			
Avg Within Lab SD		0.02		0.03			0.10			
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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	1.52	0.18	1.31	0.32	0.66	1.39	0.35	-0.02	1.08	
		0.06	0.03		0.05	0.01		0.00	0.01	
Q4YHTG	1.42	-0.12	0.63	0.26	-0.09	1.02	0.36	0.11	1.21	
		-0.04	0.02		-0.01	0.01		0.01	0.01	
32WJM7	1.50	0.12	0.82	0.27	0.00	0.00	0.35	-0.07	0.70	
		0.04	0.02		0.00	0.00		-0.01	0.01	
BL7NF7	1.60	0.40	0.60	0.32	0.76	0.72	0.38	0.44	0.57	
		0.14	0.01		0.05	0.00		0.03	0.00	
RLDZFM	1.41	-0.13	1.66	0.27	0.00	0.00	0.35	0.02	1.40	
		-0.05	0.04		0.00	0.00		0.00	0.01	
8QG8D6	0.39	-3.09	0.33	0.09	-2.53	1.59	0.11	-3.38	0.79	
		-1.07	0.01		-0.18	0.01		-0.24	0.01	
Grand Median		1.46			0.27			0.35		
Median Abs Dev		0.05			0.03			0.01		
Avg Within Lab SD		0.02			0.01			0.01		
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		

Na (SubTestCode 229)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	2.616	-0.101	0.398	0.057	1.120	0.666	0.020	0.135	0.334	
		-0.080	0.056		0.023	0.002		0.002	0.001	
Q4YHTG	2.777	0.101	0.041	0.043	0.440	1.547	0.020	0.124	0.000	
		0.080	0.006		0.009	0.006		0.001	0.000	
32WJM7	2.890	0.244	0.124	0.025	-0.477	0.309	0.015	-0.331	0.278	
		0.194	0.017		-0.010	0.001		-0.004	0.001	
BL7NF7	2.578	-0.148	0.406	0.025	-0.440	0.808	0.017	-0.124	0.098	
		-0.118	0.057		-0.009	0.003		-0.001	0.000	
RLDZFM	4.217	1.913	2.377	0.053	0.931	1.547	0.050	2.688	2.409	
		1.520	0.333		0.019	0.006		0.031	0.010	
8QG8D6	1.473	-1.539	0.095	0.021	-0.640	0.155	0.011	-0.645	0.000	
		-1.223	0.013		-0.013	0.001		-0.008	0.000	
Grand Median		2.70			0.034			0.019		
Median Abs Dev		0.16			0.011			0.003		
Avg Within Lab SD		0.14			0.004			0.004		
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		

AI (SubTestCode 230)	in the Dry Ash Property Groups						Data units: mg/kg
	SRBSRB1507		SRBSRB1508		SRBSRB1509		
BL7NF7	476.6	0.5	109.2	1.2	160.2	0.1	
		12.4		3.9		0.8	
4C4V8E	357.7	1.4	81.7	0.9	136.0	1.6	
		34.8		3.1		9.8	
RLDZFM	471.3	0.9	83.1	0.9	135.2	0.7	
		21.1		2.9		4.6	
Grand Median	471.3		83.1		136.0		
Median Abs Dev							
Avg Within Lab SD	24.6		3.3		6.3		
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)										Data units: mg/kg
in the Dry Ash Property Groups										
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
6WAFT7	29.9	1.2	0.2	61.1	0.2	0.6	79.3	1.0	0.2	
		4.6	0.4		2.3	1.1		8.6	0.3	
7WA3K4	26.2	0.2	0.3	62.0	0.3	1.5	70.4	0.0	0.9	
		0.9	0.5		3.2	2.8		-0.3	1.1	
Q4YHTG	25.0	-0.1	0.5	60.3	0.2	0.3	71.0	0.0	0.7	
		-0.3	1.0		1.5	0.6		0.3	1.0	
32WJM7	30.3	1.3	0.3	63.3	0.5	0.6	78.7	1.0	0.4	
		5.0	0.6		4.5	1.2		8.0	0.6	
BL7NF7	23.9	-0.4	0.5	50.0	-1.0	1.1	62.0	-1.1	1.0	
		-1.5	1.0		-8.9	2.0		-8.7	1.4	
4C4V8E	25.7	0.1	0.8	57.3	-0.2	1.7	73.0	0.3	1.3	
		0.3	1.5		-1.5	3.1		2.3	1.7	
RLDZFM	22.1	-0.9	0.4	51.1	-0.8	0.3	67.3	-0.4	1.9	
		-3.2	0.9		-7.7	0.6		-3.4	2.6	
8QG8D6	20.7	-1.2	2.5	38.2	-2.2	0.9	57.9	-1.6	0.5	
		-4.6	5.0		-20.7	1.7		-12.8	0.6	
Grand Median		25.3		58.8			70.7			
Median Abs Dev		2.4		3.8			5.7			
Avg Within Lab SD		2.0		1.8			1.4			
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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	38.1	-0.3	1.0	110.3	0.0	1.9	74.3	-0.1	0.1	
		-5.3	1.1		-0.4	3.8		-3.0	0.1	
Q4YHTG	52.3	0.5	1.4	111.0	0.0	0.5	80.0	0.1	0.8	
		9.0	1.5		0.4	1.0		2.7	1.0	
32WJM7	37.7	-0.3	0.5	101.7	-0.3	0.3	74.7	-0.1	0.5	
		-5.7	0.6		-9.0	0.6		-2.7	0.6	
BL7NF7	48.6	0.3	1.5	140.4	1.1	0.8	91.0	0.6	0.8	
		5.3	1.6		29.8	1.7		13.6	1.0	
RLDZFM	36.7	-0.4	0.7	103.1	-0.3	1.2	74.6	-0.1	1.9	
		-6.6	0.7		-7.5	2.4		-2.7	2.2	
8QG8D6	78.1	2.1	0.2	170.6	2.3	0.4	146.1	3.0	1.0	
		34.7	0.2		60.0	0.8		68.7	1.2	
Grand Median		43.3		110.6			77.3			
Median Abs Dev		6.1		8.3			2.9			
Avg Within Lab SD		1.1		2.1			1.2			
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
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	57.2	0.0	1.4	252.1	0.4	0.4	27.1	-1.0	0.7	
		-0.2	1.5		13.9	2.0		-4.4	0.4	
Q4YHTG	70.3	1.5	0.6	261.3	0.7	0.3	41.0	2.0	1.6	
		12.9	0.6		23.2	1.5		9.4	1.0	
32WJM7	57.7	0.0	0.6	207.0	-1.0	0.7	31.0	-0.1		
		0.2	0.6		-31.2	3.6		-0.6	0.0	
BL7NF7	68.9	1.3	0.4	263.1	0.8	2.1	32.1	0.1	0.9	
		11.5	0.4		24.9	10.4		0.6	0.5	
RLDZFM	54.8	-0.3	1.7	218.8	-0.6	1.0	29.0	-0.5	1.4	
		-2.6	1.7		-19.4	5.1		-2.5	0.8	
8QG8D6	49.5	-0.9	0.5	224.2	-0.4	0.2	32.9	0.3	0.4	
		-7.9	0.5		-13.9	1.0		1.3	0.2	
Grand Median		57.4		238.2			31.6			
Median Abs Dev		5.3		21.3			1.9			
Avg Within Lab SD		1.0		5.1			0.6			
Labs Included		6		6			6			
Labs Reporting		6		6			6			



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

Fe (SubTestCode 234)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	404.2	0.3	0.0	110.5	-0.4	1.1	60.5	-1.2	0.3	
		46.9	1.0		-11.2	3.3		-26.4	0.5	
Q4YHTG	328.0	-0.2	0.1	131.0	0.3	0.3	85.0	-0.1	0.6	
		-29.3	1.0		9.3	1.0		-1.9	1.0	
32WJM7	263.0	-0.7	0.3	112.3	-0.3	0.5	69.3	-0.8	1.0	
		-94.3	5.6		-9.3	1.5		-17.5	1.5	
BL7NF7	488.9	1.0	2.3	183.3	2.1	1.8	105.2	0.8	1.8	
		131.5	45.8		61.7	5.4		18.3	2.9	
RLDZFM	386.6	0.2	0.8	135.5	0.5	1.2	88.7	0.1	1.1	
		29.3	15.8		13.8	3.5		1.9	1.7	
8QG8D6	129.9	-1.6	0.0	106.9	-0.5	0.3	108.6	1.0	0.2	
		-227.4	0.8		-14.7	0.8		21.8	0.4	
Grand Median		357.3		121.7			86.9			
Median Abs Dev		70.6		12.5			17.9			
Avg Within Lab SD		19.9		3.1			1.6			
Labs Included		6		6			6			
Labs Reporting		6		6			6			



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

Cu (SubTestCode 235)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
7WA3K4	17.9	-0.1	1.5	38.4	-0.5	0.3	31.0	-0.7	0.4	
		-0.6	0.9		-3.6	0.8		-3.0	0.3	
Q4YHTG	20.0	0.3	1.7	57.0	2.1	0.4	42.3	2.0	0.8	
		1.5	1.0		15.1	1.0		8.3	0.6	
32WJM7	13.9	-0.9	0.3	39.6	-0.3	0.2	34.3	0.1	1.2	
		-4.6	0.2		-2.4	0.6		0.3	0.9	
BL7NF7	19.2	0.1	0.5	46.3	0.6	0.9	32.2	-0.5	0.5	
		0.6	0.3		4.4	2.2		-1.9	0.4	
RLDZFM	19.8	0.3	0.7	40.4	-0.2	0.7	33.8	-0.1	1.8	
		1.3	0.4		-1.5	1.7		-0.3	1.4	
8QG8D6	6.8	-2.3	0.2	43.5	0.2	2.1	37.1	0.7	0.5	
		-11.7	0.1		1.5	5.1		3.0	0.3	
Grand Median		18.5		41.9			34.1			
Median Abs Dev		1.4		3.0			2.5			
Avg Within Lab SD		0.6		2.5			0.7			
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
	SRBSRB1507		SRBSRB1508		SRBSRB1509		
BL7NF7	0.91	1.00 0.03	1.34	1.00 0.11	0.64	1.00 0.05	
Grand Median	0.91		1.34		0.64		
Median Abs Dev							
Avg Within Lab SD	0.03		0.11		0.05		
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		

As (SubTestCode 237)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
6WAFT7	0.70	2.72	1.76	0.51	2.64	2.21	0.53	2.87	2.13	
		0.52	0.03		0.40	0.10		0.39	0.04	
3N2CJA	0.18	0.00	1.17	0.11	0.00	0.11	0.14	0.00	0.63	
		0.00	0.02		0.00	0.00		0.00	0.01	
	0.14	-0.19	0.25	0.11	-0.02	0.15	0.14	-0.03	0.14	
		-0.04	0.00		0.00	0.01		0.00	0.00	
KN9DZT	0.15	-0.15	0.11	0.08	-0.18	0.31	0.14	-0.02	0.09	
		-0.03	0.00		-0.03	0.01		0.00	0.00	
NHLV9L	0.24	0.32	0.68	0.19	0.53	0.07	0.20	0.45	0.12	
		0.06	0.01		0.08	0.00		0.06	0.00	
Grand Median		0.18		0.11			0.14			
Median Abs Dev		0.04		0.03			0.00			
Avg Within Lab SD		0.02		0.04			0.02			
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		

Ba (SubTestCode 238)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
3D69EG	8.0	0.2	0.1	38.9	0.0	0.2	56.0	0.0	0.3	
		0.0	0.0		-0.1	0.3		-0.1	0.3	
HMD97T	7.9	-0.2	1.4	39.8	0.6	0.1	56.1	0.0	1.0	
		0.0	0.4		0.8	0.1		0.1	1.1	
3N2CJA	8.1	0.6	1.0	37.0	-1.3	0.1	55.0	-0.6	1.8	
		0.1	0.3		-1.9	0.1		-1.1	1.9	
	7.9	-0.2	0.8	39.0	0.0	2.1	59.1	1.6	0.6	
		0.0	0.2		0.1	2.4		3.0	0.6	
KN9DZT	8.3	1.6	0.1	39.1	0.2	1.2	57.0	0.5	0.8	
		0.4	0.0		0.2	1.3		0.9	0.8	
NHLV9L	7.6	-1.3	1.6	35.9	-2.0	0.3	53.6	-1.3	0.7	
		-0.3	0.4		-3.0	0.3		-2.4	0.8	
Grand Median		7.92		38.9			56.0			
Median Abs Dev		0.09		0.5			1.0			
Avg Within Lab SD		0.27		1.1			1.0			
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		

Cd (SubTestCode 239)	in the Heavy Metals Property Groups						Data units: mg/kg	
	SRBSRB1507		SRBSRB1508		SRBSRB1509			
6WAFT7	1.799	1.289	0.522	0.015	-0.852	1.947	0.035	1.731
		0.072	0.028		-0.004	0.006		0.016
3D69EG	1.687	-0.715	2.019					
		-0.040	0.110					
HMD97T	1.739	0.216	0.182					
		0.012	0.010					
3N2CJA	1.670	-1.013	0.840	0.020	0.414	0.289	0.005	0.029
		-0.057	0.046		0.002	0.001		0.000
	1.727	0.000	0.940	0.017	-0.414	0.353		
		0.000	0.051		-0.002	0.001		
KN9DZT	1.673	-0.953	0.106					
		-0.053	0.006					
NHLV9L	1.757	0.536	1.009	0.023	1.017	0.000	0.006	0.062
		0.030	0.055		0.005	0.000		0.001
Grand Median		1.73			0.019			0.006
Median Abs Dev		0.04			0.003			
Avg Within Lab SD		0.05			0.003			0.009
Labs Included		7			4			3
Labs Reporting		7			4			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		

Co (SubTestCode 240)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
6WAFT7	0.39	0.67	1.43	0.48	0.17	0.66	0.06	-0.48	1.72	
		0.04	0.02		0.01	0.01		-0.02	0.02	
KD74FP	0.41	0.96	0.87	0.51	0.69	0.90	0.16	2.52	1.23	
		0.06	0.01		0.04	0.02		0.08	0.01	
3D69EG	0.40	0.75	1.00	0.56	1.63	1.04				
		0.05	0.01		0.09	0.02				
HMD97T				0.41	-1.18	0.97				
					-0.06	0.02				
3N2CJA	0.32	-0.36	0.87	0.46	-0.29	0.76	0.08	0.00	0.64	
		-0.02	0.01		-0.02	0.01		0.00	0.01	
	0.25	-1.50	0.91	0.40	-1.31	1.62	0.07	-0.21	0.28	
		-0.10	0.01		-0.07	0.03		-0.01	0.00	
KN9DZT	0.32	-0.47	1.00	0.48	0.06	1.20				
		-0.03	0.01		0.00	0.02				
NHLV9L	0.35	0.00	0.78	0.47	-0.06	0.32	0.08	0.16	0.22	
		0.00	0.01		0.00	0.01		0.01	0.00	
Grand Median		0.35			0.47			0.076		
Median Abs Dev		0.04			0.03			0.007		
Avg Within Lab SD		0.01			0.02			0.009		
Labs Included		7			8			5		
Labs Reporting		7			8			5		



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

Ni (SubTestCode 241)		in the Heavy Metals Property Groups									Data units: mg/kg
SRBSRB1507			SRBSRB1508			SRBSRB1509					
6WAFT7	0.45	-1.68	0.78	2.39	-0.22	0.03	2.09	0.05	1.11		
		-0.26	0.04		-0.37	0.06		0.01	0.16		
3D69EG				2.67	-0.06	0.05	1.87	-1.51	2.09		
					-0.10	0.12		-0.21	0.31		
HMD97T				2.88	0.06	0.04	2.16	0.60	0.43		
					0.11	0.09		0.08	0.06		
3N2CJA	0.71	0.00	0.20	5.47	1.56	1.12	2.04	-0.31	0.69		
		0.00	0.01		2.70	2.56		-0.04	0.10		
	0.62	-0.57	0.40	2.38	-0.22	0.09	1.99	-0.66	0.40		
		-0.09	0.02		-0.38	0.22		-0.09	0.06		
KN9DZT	0.76	0.30	1.06	7.27	2.60	2.39	2.08	0.00	0.60		
		0.05	0.06		4.51	5.47		0.00	0.09		
NHLV9L	0.84	0.83	1.75	2.77	0.00	0.06	2.31	1.60	0.49		
		0.13	0.10		0.00	0.13		0.23	0.07		
Grand Median		0.71		2.77			2.08				
Median Abs Dev		0.09		0.37			0.08				
Avg Within Lab SD		0.06		2.29			0.15				
Labs Included		5		7			7				
Labs Reporting		5		7			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		

Pb (SubTestCode 242)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
6WAFT7	0.32	0.29	0.24	0.33	0.77	0.36	0.14	1.05	2.21	
		0.11	0.04		0.20	0.06		0.05	0.06	
RLDZFM	1.67	3.72	2.43	0.97	3.21	2.42	0.20	2.25		
		1.46	0.42		0.84	0.38		0.11	0.00	
3N2CJA	0.20	-0.01	0.08	0.12	-0.02	0.05	0.09	-0.05	0.09	
		0.00	0.01		-0.01	0.01		0.00	0.00	
	0.20	-0.01	0.11	0.12	-0.03	0.10	0.09	0.00	0.13	
KN9DZT	0.21	0.00	0.02	0.12	-0.01	0.02		0.00	0.00	
		0.01	0.03		-0.01	0.04				
NHLV9L	0.20	0.00	0.01	0.13	0.00	0.01				
		-0.02	0.07		0.01	0.13	0.09	-0.02	0.27	
		-0.01	0.01		0.00	0.02		0.00	0.01	
Grand Median		0.20			0.13			0.09		
Median Abs Dev		0.01			0.01			0.00		
Avg Within Lab SD		0.17			0.16			0.03		
Labs Included		6			6			5		
Labs Reporting		6			6			5		



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

Sr (SubTestCode 243)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1507			SRBSRB1508			SRBSRB1509			
6WAFT7	30.2	0.6	0.0	98.7	0.3	0.5	225.3	0.0	0.3	
		1.1	0.0		1.7	1.3		-0.5	1.2	
KD74FP	26.4	-1.4	0.9	89.1	-1.3	0.6	207.4	-1.5	0.6	
		-2.7	0.8		-7.9	1.5		-18.4	2.6	
3D69EG	28.8	-0.2	0.1	94.0	-0.5	0.3	223.9	-0.2	0.2	
		-0.3	0.1		-3.0	0.7		-1.9	0.8	
HMD97T	30.1	0.5	0.5	107.3	1.6	0.6	235.5	0.8	1.2	
		1.0	0.4		10.3	1.6		9.7	5.3	
3N2CJA	28.2	-0.5	0.9	91.1	-0.9	0.3	219.7	-0.5	2.2	
		-0.9	0.7		-5.9	0.9		-6.1	9.3	
	29.4	0.2	1.4	97.1	0.0	2.6	234.3	0.7	0.7	
		0.3	1.2		0.2	6.9		8.5	3.1	
KN9DZT	28.1	-0.5	0.3	96.8	0.0	0.4	226.3	0.0	0.8	
		-1.0	0.2		-0.2	1.1		0.5	3.5	
NHLV9L	32.1	1.6	2.0	101.7	0.7	0.2	245.3	1.6	0.4	
		3.0	1.7		4.7	0.6		19.5	1.5	
Grand Median		29.1		97.0			225.8			
Median Abs Dev		1.0		3.8			7.3			
Avg Within Lab SD		0.8		2.7			4.3			
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		



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

PH (SubTestCode 301)	Data units:								
	SRWSRW1507			SRWSRW1508			SRWSRW1509		
6WAFT7	7.84	0.00	0.00	7.60	-0.18	0.00	8.01	-0.12	0.00
		0.00	0.00		-0.05	0.00		-0.02	0.00
C47NEY	8.13	1.28	0.06	7.93	0.99	0.14	8.29	1.34	0.23
		0.29	0.01		0.28	0.02		0.25	0.02
4RZ3B8	7.76	-0.35	0.59	7.65	0.00	0.64	8.14	0.56	0.77
		-0.08	0.05		0.00	0.08		0.11	0.05
4XQDK7	8.08	1.03	0.74	7.94	1.01	2.05	8.22	0.97	1.40
		0.24	0.07		0.29	0.25		0.18	0.09
32WJM7	7.70	-0.63	0.56	7.48	-0.60	0.25	7.94	-0.51	0.37
		-0.14	0.05		-0.17	0.03		-0.10	0.03
CQF2X6	7.44	-1.76	0.17	6.95	-2.49	0.12	7.28	-3.95	0.17
		-0.40	0.02		-0.70	0.02		-0.75	0.01
4C4V8E	7.87	0.15	0.84	7.70	0.17	0.12	8.11	0.42	0.17
		0.03	0.08		0.05	0.02		0.08	0.01
89DUG9	8.36	2.28	0.17	8.45	2.82	0.09	8.49	2.41	0.15
		0.52	0.02		0.80	0.01		0.46	0.01
HMD97T	7.88	0.19	0.23	7.59	-0.21	0.14	8.06	0.16	0.23
		0.04	0.02		-0.06	0.02		0.03	0.02
8QG8D6	7.94	0.42	0.23	7.75	0.34	0.05	8.16	0.69	0.23
		0.10	0.02		0.10	0.01		0.13	0.02
TPMZPJ	7.78	-0.25	0.28	7.79	0.50	0.43	8.03	0.00	0.48
		-0.06	0.03		0.14	0.05		0.00	0.03
NT8YFL	7.91	0.32	2.25	7.81	0.57	1.87	8.01	-0.11	1.15
		0.07	0.20		0.16	0.23		-0.02	0.08
Q77MKK	7.69	-0.65	2.41	7.65	-0.01	2.13	8.01	-0.11	2.93
		-0.15	0.22		0.00	0.26		-0.02	0.20
ALBLDW	7.56	-1.22	0.00	7.26	-1.37	0.05	7.77	-1.39	0.00
		-0.28	0.00		-0.39	0.01		-0.26	0.00
Grand Median	7.84			7.65			8.03		
Median Abs Dev	0.10			0.14			0.10		
Avg Within Lab SD	0.09			0.12			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								
	SRWSRW1507			SRWSRW1508			SRWSRW1509		
6WAFT7	0.98	0.44	0.05	1.29	-0.54	0.04	0.59	-0.38	0.08
		0.01	0.00		-0.03	0.00		-0.01	0.00
C47NEY	0.98	0.40	0.08	1.34	0.61	0.20	0.61	0.80	0.17
		0.01	0.00		0.03	0.01		0.01	0.00
4RZ3B8	0.98	0.30	0.23	1.33	0.34	0.34	0.60	0.40	0.00
		0.01	0.01		0.02	0.01		0.01	0.00
4XQDK7	0.99	0.70	0.00	1.34	0.61	0.20	0.61	1.11	0.00
		0.02	0.00		0.03	0.01		0.02	0.00
32WJM7	0.91	-1.85	0.23	1.22	-1.82	0.20	0.59	-0.54	0.93
		-0.06	0.01		-0.09	0.01		-0.01	0.01
CQF2X6	0.91	-1.65	0.46	1.25	-1.28	0.34	0.56	-2.19	0.47
		-0.05	0.01		-0.06	0.01		-0.03	0.01
4C4V8E	0.98	0.40	0.00	1.33	0.27	0.20	0.60	0.40	0.00
		0.01	0.00		0.01	0.01		0.01	0.00
89DUG9	0.97	0.21	0.10	1.33	0.34	0.00	0.60	0.35	0.05
		0.01	0.00		0.02	0.00		0.01	0.00
HMD97T	0.96	-0.09	0.09	1.32	0.16	0.04	0.59	-0.17	0.17
		0.00	0.00		0.01	0.00		0.00	0.00
8QG8D6	0.82	-4.57	0.14	1.11	-4.16	0.12	0.51	-6.16	0.17
		-0.15	0.00		-0.21	0.00		-0.09	0.00
TPMZPJ	1.15	5.60	0.53	1.59	5.67	0.63	0.67	5.45	1.80
		0.18	0.01		0.28	0.02		0.08	0.02
NT8YFL	0.97	0.09	0.00	1.33	0.34	0.00	0.60	0.17	0.47
		0.00	0.00		0.02	0.00		0.00	0.01
Q77MKK	0.91	-1.75	3.41	1.23	-1.62	3.40	0.58	-1.25	3.26
		-0.06	0.09		-0.08	0.10		-0.02	0.04
ALBLDW	0.96	-0.22	0.04	1.31	-0.16	0.14	0.60	0.33	0.00
		-0.01	0.00		-0.01	0.00		0.00	0.00
Grand Median		0.97		1.31			0.59		
Median Abs Dev		0.01		0.02			0.01		
Avg Within Lab SD		0.03		0.03			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		

Ca (SubTestCode 303)	in the Cations Property Groups									Data units: mmolc/L
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	3.42	0.15	1.14	7.55	0.38	0.33	2.44	0.00	0.45	
		0.15	0.05		0.83	0.06		0.00	0.02	
C47NEY	3.04	-0.24	0.79	6.53	-0.09	0.25	2.65	0.31	0.53	
		-0.23	0.04		-0.19	0.05		0.21	0.02	
4RZ3B8	3.07	-0.20	0.96	6.70	-0.01	1.80	2.16	-0.42	1.29	
		-0.20	0.05		-0.02	0.34		-0.28	0.06	
4XQDK7	3.53	0.27	1.39	7.88	0.53	0.32	2.52	0.12	0.58	
		0.26	0.07		1.17	0.06		0.08	0.03	
32WJM7	3.17	-0.10	1.20	6.73	0.01	0.31	2.47	0.04	2.67	
		-0.10	0.06		0.02	0.06		0.03	0.12	
CQF2X6	3.50	0.24	2.01	7.70	0.45	0.69	2.53	0.14	1.20	
		0.23	0.10		0.98	0.13		0.09	0.05	
4C4V8E	3.26	-0.01	0.00	6.86	0.07	0.03	2.32	-0.18	0.40	
		-0.01	0.00		0.15	0.01		-0.12	0.02	
89DUG9	0.89	-2.46	0.09	2.00	-2.16	0.05	0.63	-2.70	0.03	
		-2.38	0.00		-4.72	0.01		-1.80	0.00	
HMD97T	3.28	0.01	0.06	6.52	-0.09	2.30	2.34	-0.14	0.08	
		0.01	0.00		-0.20	0.43		-0.09	0.00	
8QG8D6	1.35	-1.98	0.51	2.87	-1.77	1.04	1.11	-1.99	0.69	
		-1.92	0.02		-3.85	0.20		-1.33	0.03	
TPMZPJ	3.66	0.41	1.54	8.10	0.63	0.46	2.48	0.06	1.44	
		0.40	0.07		1.38	0.09		0.04	0.06	
NT8YFL	3.37	0.11		7.62	0.41		2.44	0.00		
		0.10	0.00		0.90	0.00		0.00	0.00	
Q77MKK	3.59	0.33	1.04	6.38	-0.16	1.82	2.54	0.16	0.48	
		0.32	0.05		-0.34	0.34		0.11	0.02	
WN9D4A	0.42	-2.94		0.85	-2.69		0.32	-3.18		
		-2.85	0.00		-5.87	0.00		-2.12	0.00	
Grand Median		3.27		6.72			2.44			
Median Abs Dev		0.23		0.87			0.10			
Avg Within Lab SD		0.05		0.19			0.04			
Labs Included		14		14			14			
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Mg (SubTestCode 304)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	2.47	0.12	0.76	2.64	0.04	0.83	2.24	0.05	1.38	
		0.09	0.03		0.03	0.03		0.03	0.04	
C47NEY	2.20	-0.23	1.11	2.34	-0.33	0.44	2.16	-0.08	0.62	
		-0.18	0.04		-0.28	0.02		-0.05	0.02	
4RZ3B8	2.32	-0.07	0.15	2.35	-0.31	0.99	1.99	-0.33	1.56	
		-0.05	0.01		-0.26	0.04		-0.22	0.04	
4XQDK7	2.69	0.41	0.91	2.88	0.32	0.28	2.48	0.40	0.45	
		0.31	0.04		0.27	0.01		0.27	0.01	
32WJM7	2.33	-0.05	1.46	2.67	0.07	1.41	2.20	-0.02	0.00	
		-0.04	0.06		0.06	0.06		-0.01	0.00	
CQF2X6	2.55	0.23	1.92	2.70	0.11	1.48	2.32	0.16	1.41	
		0.18	0.08		0.09	0.06		0.11	0.04	
4C4V8E	2.32	-0.07	0.15	2.46	-0.18	0.14	2.14	-0.10	0.60	
		-0.05	0.01		-0.15	0.01		-0.07	0.02	
89DUG9	0.65	-2.23	0.07	0.70	-2.28	0.08	0.59	-2.39	0.10	
		-1.73	0.00		-1.91	0.00		-1.62	0.00	
HMD97T	2.42	0.05	0.12	2.58	-0.04	0.23	2.22	0.02	0.18	
		0.04	0.00		-0.03	0.01		0.01	0.00	
8QG8D6	0.71	-2.15	2.10	0.76	-2.21	2.50	0.73	-2.18	1.95	
		-1.66	0.08		-1.85	0.10		-1.48	0.05	
TPMZPJ	2.71	0.44	0.96	2.94	0.39	1.21	2.37	0.23	1.56	
		0.34	0.04		0.33	0.05		0.16	0.04	
NT8YFL	2.53	0.20		2.69	0.09		2.33	0.17		
		0.15	0.00		0.08	0.00		0.12	0.00	
Q77MKK	2.80	0.55	0.39	2.92	0.37	0.28	2.55	0.50	0.68	
		0.43	0.02		0.31	0.01		0.34	0.02	
WN9D4A	0.33	-2.64		0.34	-2.71		0.31	-2.81		
		-2.05	0.00		-2.27	0.00		-1.90	0.00	
Grand Median		2.38		2.61			2.21			
Median Abs Dev		0.18		0.27			0.14			
Avg Within Lab SD		0.04		0.04			0.03			
Labs Included		14		14			14			
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Na (SubTestCode 305)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	4.35	0.40	0.44	4.18	0.39	0.33	1.69	0.32	0.31	
		0.14	0.05		0.12	0.03		0.05	0.01	
C47NEY	3.76	-1.30	0.58	3.91	-0.49	0.19	1.65	0.10	0.26	
		-0.45	0.06		-0.15	0.02		0.02	0.01	
4RZ3B8	4.13	-0.23	2.95	3.63	-1.39	2.44	1.48	-0.98	2.71	
		-0.08	0.31		-0.42	0.24		-0.16	0.13	
4XQDK7	4.41	0.58	0.44	4.20	0.48	0.12	1.70	0.41	0.25	
		0.20	0.05		0.15	0.01		0.07	0.01	
32WJM7	4.37	0.45	0.54	4.03	-0.08	0.59	1.60	-0.22	0.00	
		0.16	0.06		-0.02	0.06		-0.04	0.00	
CQF2X6	4.50	0.83	0.99	4.23	0.58	0.68	1.67	0.22	0.54	
		0.29	0.11		0.18	0.07		0.04	0.03	
4C4V8E	4.16	-0.15	0.20	4.10	0.13	0.12	1.64	0.00	0.25	
		-0.05	0.02		0.04	0.01		0.00	0.01	
89DUG9	4.10	-0.30	0.06	4.06	0.00	0.60	1.48	-0.95	0.05	
		-0.11	0.01		0.00	0.06		-0.16	0.00	
HMD97T	4.39	0.52	0.48	4.24	0.61	0.28	1.72	0.51	0.32	
		0.18	0.05		0.19	0.03		0.08	0.01	
8QG8D6	4.67	1.32	0.84	4.64	1.93	1.89	1.94	1.86	2.03	
		0.46	0.09		0.59	0.19		0.30	0.10	
TPMZPJ	3.91	-0.86	1.11	3.89	-0.56	0.62	1.39	-1.53	0.54	
		-0.30	0.12		-0.17	0.06		-0.25	0.03	
NT8YFL	4.21	0.00		4.04	-0.06		1.62	-0.10		
		0.00	0.00		-0.02	0.00		-0.02	0.00	
Q77MKK	4.85	1.83	0.27	4.69	2.07	1.29	1.89	1.55	0.74	
		0.64	0.03		0.63	0.13		0.25	0.03	
WN9D4A	0.05	-11.93		0.05	-13.18		0.02	-9.91		
		-4.16	0.00		-4.01	0.00		-1.62	0.00	
Grand Median		4.21		4.06			1.64			
Median Abs Dev		0.18		0.15			0.07			
Avg Within Lab SD		0.11		0.10			0.05			
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		

K (SubTestCode 306)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAF7	0.16	0.04	0.09	0.42	0.49	0.36	0.08	0.09	0.07	
		0.00	0.00		0.02	0.00		0.00	0.00	
C47NEY	0.14	-0.70	0.06	0.36	-0.67	0.49	0.08	-0.12	0.17	
		-0.02	0.00		-0.03	0.01		0.00	0.00	
4RZ3B8	0.17	0.22	2.96	0.35	-0.93	2.86	0.10	0.59	3.36	
		0.01	0.06		-0.04	0.03		0.01	0.07	
CQF2X6	0.19	0.88	0.27	0.45	1.09	1.26	0.10	0.73	0.00	
		0.03	0.01		0.05	0.02		0.02	0.00	
4C4V8E	0.17	0.33	0.00	0.40	0.18	0.48	0.09	0.32	0.00	
		0.01	0.00		0.01	0.01		0.01	0.00	
89DUG9	0.14	-0.65	0.49	0.36	-0.66	0.33	0.05	-1.40	0.50	
		-0.02	0.01		-0.03	0.00		-0.03	0.01	
HMD97T	0.16	-0.04	0.02	0.40	0.17	0.04	0.08	0.10	0.04	
		0.00	0.00		0.01	0.00		0.00	0.00	
8QG8D6	0.24	2.54	0.33	0.52	2.64	1.08	0.13	2.04	0.67	
		0.08	0.01		0.13	0.01		0.05	0.01	
TPMZPJ	0.12	-1.20	0.27	0.37	-0.52	0.00	0.03	-2.13	0.00	
		-0.04	0.01		-0.02	0.00		-0.05	0.00	
NT8YFL	0.15	-0.36		0.39	-0.03		0.07	-0.33		
		-0.01	0.00		0.00	0.00		-0.01	0.00	
Q77MKK	0.19	0.99	1.62	0.43	0.67	0.48	0.08	-0.09	0.00	
		0.03	0.03		0.03	0.01		0.00	0.00	
ALBLDW	0.16	0.14	0.32	0.40	0.03	0.41	0.09	0.16	0.05	
		0.00	0.01		0.00	0.00		0.00	0.00	
WN9D4A	0.02	-4.70		0.04	-7.35		0.01	-2.95		
		-0.14	0.00		-0.35	0.00		-0.07	0.00	
Grand Median		0.16			0.39			0.082		
Median Abs Dev		0.02			0.03			0.008		
Avg Within Lab SD		0.02			0.01			0.022		
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		

NH4-N (SubTestCode 307)	in the Cations Property Groups						Data units: mmolc/L
	SRWSRW1507		SRWSRW1508		SRWSRW1509		
C47NEY	0.001	0.150	0.001	0.137	0.001	0.049	
		0.001		0.001		0.000	
CQF2X6	0.013	1.361	0.013	1.368	0.013	1.731	
		0.006		0.006		0.006	
ALBLDW	0.075	1.061	0.083	1.053	0.070	0.000	
		0.005		0.004		0.000	
Grand Median	0.013		0.013		0.013		
Median Abs Dev							
Avg Within Lab SD	0.004		0.004		0.003		
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
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	10.4	0.0	0.5	14.8	0.0	0.3	6.5	0.0	0.7	
		0.0	0.1		0.0	0.0		0.0	0.1	
C47NEY	9.1	-2.0	0.9	13.1	-1.6	0.6	6.5	0.4	0.7	
		-1.3	0.1		-1.6	0.1		0.1	0.1	
CQF2X6	10.8	0.6	1.6	15.1	0.3	1.9	6.6	0.9	1.6	
		0.4	0.3		0.3	0.3		0.2	0.1	
4C4V8E	9.9	-0.8	0.2	13.8	-0.9	0.1	6.2	-1.2	0.2	
		-0.5	0.0		-1.0	0.0		-0.3	0.0	
TPMZPJ	10.4	0.0	1.1	15.3	0.5	0.9	6.3	-0.9	1.2	
		0.0	0.2		0.5	0.1		-0.2	0.1	
Grand Median	10.4			14.8			6.45			
Median Abs Dev	0.4			0.5			0.19			
Avg Within Lab SD	0.2			0.1			0.08			
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		

SAR (SubTestCode 309)	in the Cations Property Groups									Data units:
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	2.53	0.02	0.24	1.85	0.02	0.30	1.10	0.08	0.40	
		0.04	0.04		0.04	0.02		0.05	0.01	
32WJM7	2.63	0.08	0.36	1.87	0.02	0.87	1.07	0.01	1.98	
		0.14	0.06		0.05	0.06		0.01	0.06	
89DUG9	2.34	-0.09	0.05	1.75	-0.03	0.13	0.95	-0.20	0.11	
		-0.15	0.01		-0.06	0.01		-0.11	0.00	
TPMZPJ	6.86	2.47	2.41	9.12	3.20	2.27	2.15	1.93	1.38	
		4.37	0.39		7.31	0.15		1.10	0.04	
NT8YFL	2.45	-0.02		1.78	-0.02		1.05	-0.01		
		-0.04	0.00		-0.04	0.00		-0.01	0.00	
WN9D4A	0.08	-1.36		0.06	-0.77		0.04	-1.80		
		-2.41	0.00		-1.75	0.00		-1.02	0.00	
Grand Median		2.49		1.82			1.06			
Median Abs Dev		0.15		0.06			0.08			
Avg Within Lab SD		0.16		0.07			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		

Adj-SAR (SubTestCode 310)	in the Cations Property Groups						Data units:
	SRWSRW1507		SRWSRW1508		SRWSRW1509		
32WJM7	2.87	0.90	2.50	0.00	1.20	0.00	
		0.06		1.00		0.00	
TPMZPJ	2.26	1.09	2.18	0.04	0.85	1.41	
		0.07				0.02	
Grand Median	2.56		2.34		1.02		
Median Abs Dev							
Avg Within Lab SD	0.06		0.04		0.01		
Labs Included	2		2		2		
Labs Reporting	2		2		2		



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

HCO3 (SubTestCode 311)										Data units: mmol/L
SRWSRW1507			SRWSRW1508			SRWSRW1509				
6WAFT7	3.00	0.24	5.70	-0.48	0.00	5.00	-0.25			
		0.05		-0.21	0.00		-0.07	0.00		
C47NEY	3.29	1.54	6.21	0.71	0.26	5.29	0.83	0.20		
		0.35		0.31	0.03		0.22	0.02		
4RZ3B8	2.95	0.00	5.63	-0.65	0.43	4.85	-0.80	0.19		
		0.00		-0.28	0.05		-0.22	0.02		
4XQDK7	3.19	1.09	6.12	0.49	0.71	5.25	0.69	0.06		
		0.25		0.21	0.08		0.19	0.01		
32WJM7	2.93	-0.06	6.13	0.53	2.15	5.07	0.00	2.55		
		-0.21		0.23	0.23		0.00	0.23		
CQF2X6	2.90	-0.05	5.59	-0.74	0.97	4.74	-1.21	0.38		
		0.74		-0.32	0.10		-0.33	0.03		
4C4V8E	3.11	0.17	5.99	0.20	0.38	5.11	0.17	0.77		
		0.09		0.09	0.04		0.05	0.07		
TPMZPJ	2.46	-2.16	5.91	0.00	1.59	5.02	-0.18	0.73		
		-0.49		0.00	0.17		-0.05	0.07		
Q77MKK	2.94	-0.04	4.93	-2.27	0.09	5.59	1.94	0.40		
		-0.01		-0.98	0.01		0.52	0.04		
Grand Median		2.95		5.91		5.07				
Median Abs Dev		0.05		0.23		0.19				
Avg Within Lab SD		0.10		0.11		0.09				
Labs Included		9		9		9				
Labs Reporting		9		9		9				



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

CO3 (SubTestCode 312)	in the Anions Property Groups						Data units: mmolc/L
	SRWSRW1507		SRWSRW1508		SRWSRW1509		
6WAF17					0.001	0.000	
						0.000	
C47NEY					0.117	1.732	
						0.003	
CQF2X6	0.020	1.000	0.020	1.000	0.020	0.000	
		0.000		0.000		0.000	
Grand Median	0.020		0.020		0.020		
Median Abs Dev							
Avg Within Lab SD	0.000		0.000		0.002		
Labs Included	1		1		3		
Labs Reporting	1		1		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		

CI (SubTestCode 313)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	0.94	0.02	0.00	1.40	0.01	0.00	0.77	0.03	0.00	
		0.08	0.00		0.04	0.00		0.08	0.00	
C47NEY	0.84	0.00	0.81	1.35	0.00	0.73	0.69	0.00	0.15	
		-0.02	0.02		-0.01	0.01		0.00	0.00	
4RZ3B8	0.77	-0.02	0.78	1.27	-0.01	0.59	0.63	-0.02	0.52	
		-0.09	0.02		-0.09	0.01		-0.06	0.01	
4XQDK7	0.83	-0.01	0.78	1.35	0.00	0.83	0.68	0.00	0.79	
		-0.03	0.02		-0.01	0.01		-0.01	0.02	
32WJM7	0.90	0.01	1.80	1.38	0.00	1.35	0.76	0.02	0.52	
		0.04	0.04		0.02	0.02		0.07	0.01	
CQF2X6	1.73	0.24	2.58	2.46	0.19	2.95	1.56	0.30	2.61	
		0.87	0.05		1.11	0.05		0.87	0.05	
4C4V8E	0.89	0.01	0.00	1.39	0.01	0.59	0.72	0.01	0.00	
		0.03	0.00		0.03	0.01		0.03	0.00	
89DUG9	0.86	0.00	0.53	1.40	0.01	0.26	0.67	-0.01	0.05	
		0.00	0.01		0.04	0.00		-0.02	0.00	
HMD97T	0.84	0.00	0.03	1.32	-0.01	0.21	0.75	0.02	2.17	
		-0.02	0.00		-0.04	0.00		0.06	0.04	
TPMZPJ	0.86	0.00	0.89	1.36	0.00	0.34	0.69	0.00	0.52	
		0.00	0.02		0.00	0.01		0.00	0.01	
NT8YFL	0.76	-0.03	0.22	1.20	-0.03	0.47	0.64	-0.02	0.15	
		-0.10	0.00		-0.15	0.01		-0.05	0.00	
Q77MKK	0.39	-0.13	0.30	0.38	-0.17	0.34	0.52	-0.06	0.00	
		-0.47	0.01		-0.98	0.01		-0.17	0.00	
WN9D4A	30.38	8.28		49.51	8.33		25.16	8.29		
		29.52	0.00		48.15	0.00		24.47	0.00	
Grand Median		0.86			1.36			0.69		
Median Abs Dev		0.04			0.04			0.06		
Avg Within Lab SD		0.02			0.02			0.02		
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		

NO3 (SubTestCode 314)			in the Anions Property Groups						Data units: mmolc/L		
SRWSRW1507			SRWSRW1508			SRWSRW1509					
6WAFT7	0.05	0.22	0.13	1.41	0.42	0.37	0.02	0.00	0.02		
		0.00	0.00		0.04	0.01		0.00	0.00		
C47NEY	0.05	-0.37	0.92	1.35	-0.22	0.41	0.00	-0.10	0.00		
		0.00	0.00		-0.02	0.01		-0.02	0.00		
4RZ3B8	0.05	0.00	0.00	1.35	-0.18	0.62	0.02	0.00	0.00		
		0.00	0.00		-0.02	0.02		0.00	0.00		
4XQDK7	0.63	69.15	8.42	20.09	207.39	69.48	0.21	0.97	0.19		
		0.58	0.03		18.72	1.72		0.19	0.01		
32WJM7	0.05	0.00	0.00	1.08	-3.18	1.24	0.01	-0.04	0.11		
		0.00	0.00		-0.29	0.03		-0.01	0.01		
CQF2X6	0.07	2.38	0.00	1.39	0.22	0.81	0.07	0.25	0.00		
		0.02	0.00		0.02	0.02		0.05	0.00		
4C4V8E	0.05	-0.28	0.49	1.28	-1.05	0.22	0.01	-0.03	0.02		
		0.00	0.00		-0.09	0.01		-0.01	0.00		
89DUG9	0.06	1.67	0.00	1.49	1.28	0.00	0.04	0.08	0.00		
		0.01	0.00		0.12	0.00		0.02	0.00		
HMD97T	0.05	-0.24	0.12	1.38	0.07	0.40	0.02	0.00	0.02		
		0.00	0.00		0.01	0.01		0.00	0.00		
8QG8D6	0.04	-0.95	0.84	1.42	0.50	0.91	0.01	-0.05	0.11		
		-0.01	0.00		0.05	0.02		-0.01	0.01		
TPMZPJ	0.05	0.00	3.18	1.37	0.00	2.14	0.10	0.39	1.73		
		0.00	0.01		0.00	0.05		0.08	0.09		
NT8YFL	0.05	0.46	0.10	1.37	0.00	1.86	0.13	0.55	3.12		
		0.00	0.00		0.00	0.05		0.11	0.17		
Q77MKK							1.44	7.27	0.49		
								1.42	0.03		
ALBLDW	0.06	1.51	0.18	1.28	-0.96	0.23	0.02	0.01	0.00		
		0.01	0.00		-0.09	0.01		0.00	0.00		
WN9D4A	0.58	63.55		20.57	212.65		0.25	1.17			
		0.53	0.00		19.20	0.00		0.23	0.00		
Grand Median		0.050			1.37			0.020			
Median Abs Dev		0.003			0.03			0.009			
Avg Within Lab SD		0.003			0.02			0.054			
Labs Included		12			12			13			
Labs Reporting		12			12			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		

SO4 (SubTestCode 315) Data units: mmolc/L									
	SRWSRW1507			SRWSRW1508			SRWSRW1509		
6WAF17	6.42	0.00	0.44	6.11	0.00	0.03	0.72	-0.02	0.33
		0.00	0.07		0.00	0.01		-0.01	0.01
C47NEY	6.16	-0.15	0.23	5.82	-0.17	0.14	0.67	-0.21	0.31
		-0.26	0.04		-0.29	0.04		-0.05	0.01
4RZ3B8	6.34	-0.05	0.27	5.68	-0.26	0.30	0.79	0.28	0.73
		-0.08	0.05		-0.44	0.09		0.07	0.02
4XQDK7	6.59	0.10	0.53	6.38	0.16	0.55	0.73	0.06	2.74
		0.17	0.09		0.27	0.16		0.01	0.06
32WJM7	6.02	-0.23	0.24	5.80	-0.18	0.15	0.69	-0.14	0.99
		-0.40	0.04		-0.31	0.05		-0.03	0.02
CQF2X6	6.90	0.28	0.80	6.47	0.21	0.48	0.78	0.24	0.27
		0.48	0.13		0.35	0.14		0.06	0.01
4C4V8E	6.24	-0.11	0.07	5.96	-0.09	0.07	0.72	0.00	0.00
		-0.18	0.01		-0.15	0.02		0.00	0.00
89DUG9	1.60	-2.82	0.04	1.56	-2.69	0.03	0.19	-2.22	0.05
		-4.83	0.01		-4.55	0.01		-0.53	0.00
8QG8D6	11.58	3.01	3.07	11.26	3.05	3.16	1.42	2.91	0.96
		5.16	0.52		5.15	0.92		0.70	0.02
TPMZPJ	6.97	0.32	0.51	6.65	0.32	0.38	0.46	-1.08	0.82
		0.55	0.09		0.53	0.11		-0.26	0.02
Q77MKK	7.03	0.36	0.12	6.61	0.29	0.47	0.78	0.26	0.27
		0.61	0.02		0.50	0.14		0.06	0.01
WN9D4A	124.70	69.03		116.70	65.43		12.83	50.48	
		118.28	0.00		110.59	0.00		12.11	0.00
Grand Median		6.42			6.11			0.72	
Median Abs Dev		0.40			0.35			0.06	
Avg Within Lab SD		0.17			0.29			0.02	
Labs Included		11			11			11	
Labs Reporting		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
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
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	10.4	0.1	0.6	14.6	-0.1	0.1	6.5	-0.1	0.1	
		0.0	0.1		-0.1	0.0		0.0	0.0	
C47NEY	10.3	-0.1	0.3	14.7	0.1	0.4	6.8	0.7	0.2	
		0.0	0.0		0.1	0.1		0.2	0.0	
32WJM7	9.9	-1.0	1.5	14.4	-0.5	1.3	6.5	-0.1	2.2	
		-0.5	0.2		-0.3	0.2		0.0	0.2	
CQF2X6	11.6	2.7	1.2	15.9	2.2	1.9	7.2	2.1	0.4	
		1.2	0.2		1.3	0.3		0.6	0.0	
4C4V8E	10.3	-0.2	0.8	14.6	-0.1	0.1	6.6	0.1	0.7	
		-0.1	0.1		-0.1	0.0		0.0	0.1	
TPMZPJ	10.4	0.1	1.2	15.3	1.1	0.8	6.3	-0.9	0.8	
		0.0	0.2		0.6	0.1		-0.3	0.1	
Grand Median	10.4			14.7			6.55			
Median Abs Dev	0.1			0.2			0.13			
Avg Within Lab SD	0.1			0.2			0.11			
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		

	Cation-Anion Difference (SubTestCode 317)			in the Difference Calculation Property Groups						
	SRWSRW1507			SRWSRW1508			SRWSRW1509			Data units:
6WAFT7	-0.014	0.588	0.265	0.169	1.250	0.458	-0.051	0.674	0.673	
		0.362	0.022		0.966	0.054		0.174	0.048	
C47NEY	-1.209	-1.351	1.408	-1.590	-1.026	0.111	-0.225	0.000	0.545	
		-0.833	0.118		-0.793	0.013		0.000	0.039	
CQF2X6	-0.867	-0.795	1.473	-0.827	-0.039	2.171	-0.523	-1.156	1.673	
		-0.490	0.123		-0.030	0.257		-0.298	0.120	
4C4V8E	-0.377	0.000	0.880	-0.797	0.000	0.244	-0.383	-0.613	1.201	
		0.000	0.074		0.000	0.029		-0.158	0.086	
TPMZPJ	0.017	0.638	0.069	0.020	1.057	0.084	0.015	0.929	0.098	
		0.393	0.006		0.817	0.010		0.240	0.007	
Grand Median		-0.377			-0.797			-0.225		
Median Abs Dev		0.393			0.793			0.174		
Avg Within Lab SD		0.084			0.118			0.072		
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
	SRWSRW1507			SRWSRW1508			SRWSRW1509			
6WAFT7	0.152	0.025	0.107	0.080	0.000	0.325	0.284	-0.115	0.591	
		0.001	0.004		0.000	0.003		-0.007	0.003	
C47NEY	0.167	0.496	0.083	0.085	0.144	0.162	0.329	0.625	0.267	
		0.016	0.003		0.005	0.001		0.038	0.001	
4XQDK7	0.150	-0.025	0.283	0.067	-0.399	0.709	0.303	0.197	1.117	
		-0.001	0.010		-0.013	0.006		0.012	0.006	
32WJM7	0.103	-1.448	0.164	0.050	-0.899	2.127	0.257	-0.569	1.117	
		-0.048	0.006		-0.030	0.017		-0.035	0.006	
CQF2X6	0.100	-1.550	0.000	0.050	-0.899	0.000	0.213	-1.280	1.117	
		-0.051	0.000		-0.030	0.000		-0.078	0.006	
4C4V8E	0.147	-0.127	0.164	0.080	0.000	0.000	0.270	-0.350	0.000	
		-0.004	0.006		0.000	0.000		-0.021	0.000	
HMD97T	0.154	0.107	0.014	0.080	0.005	0.044	0.298	0.115	0.207	
		0.003	0.000		0.000	0.000		0.007	0.001	
8QG8D6	0.190	1.198	3.132	0.188	3.236	1.950	0.412	1.975	1.720	
		0.039	0.111		0.108	0.016		0.120	0.009	
TPMZPJ	0.181	0.930	0.107	0.064	-0.489	0.188	0.369	1.279	1.259	
		0.031	0.004		-0.016	0.002		0.078	0.007	
Q77MKK	0.123	-0.838	0.164				0.277	-0.241	1.117	
		-0.028	0.006					-0.015	0.006	
Grand Median		0.15		0.080			0.29			
Median Abs Dev		0.02		0.013			0.03			
Avg Within Lab SD		0.04		0.008			0.01			
Labs Included		10		9			10			
Labs Reporting		10		9			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		

PO4-P Phosphorus - Spec (SubTestCode 319) SRWSRW1507	in the Other Property Groups						Data units: mg/L
	SRWSRW1508		SRWSRW1509		SRWSRW1509		
C47NEY	0.01	1.60	0.09	0.66	0.02	-0.36	0.26
		0.00		0.01		-0.02	0.00
HMD97T					0.01	-0.58	0.18
		0.00		1.27		-0.03	0.00
8QG8D6	0.11	0.00	0.23	0.01	0.10	1.39	1.95
		0.00		0.01		0.07	0.01
ALBLDW	0.02	0.66	0.12	0.98	0.05	0.36	0.28
		0.00		0.01		0.02	0.00
Grand Median	0.021		0.12		0.036		
Median Abs Dev					0.022		
Avg Within Lab SD	0.001		0.01		0.005		
Labs Included	3		3		4		
Labs Reporting	3		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		

Phosphorus - ICP (Total) (SubTestCode 320)	in the Other Property Groups						Data units: mg/L		
	SRWSRW1507			SRWSRW1508			SRWSRW1509		
6WAFT7	0.003	-0.126	0.039	0.080	0.000	0.035	0.013	-0.005	0.027
		-0.007	0.001		0.000	0.003		0.000	0.001
4C4V8E	0.017	0.126	0.224	0.100	0.336	0.000	0.013	0.005	0.135
		0.007	0.006		0.020	0.000		0.000	0.006
HMD97T				0.022	-1.006	0.030			
					-0.059	0.002			
TPMZPJ	0.133	2.282	1.987	0.197	1.990	2.236	0.193	2.521	1.995
		0.124	0.051		0.116	0.159		0.180	0.085
WN9D4A	0.001	-0.163		0.078	-0.040		0.001	-0.168	
		-0.009	0.000		-0.002	0.000		-0.012	0.000
Grand Median		0.010			0.080			0.013	
Median Abs Dev		0.008			0.020			0.006	
Avg Within Lab SD		0.026			0.071			0.043	
Labs Included		4			5			4	
Labs Reporting		4			5			4	



ALP Program - Participant Web Summary Report - Cycle 28

Sample Mean	Z Score	k Score	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
	SRWSRW1507		SRWSRW1508		SRWSRW1509		
ALBLDW	1.30	1.00 0.00	1.52	1.00 0.00	1.09	1.00 0.00	
Grand Median	1.30		1.52		1.09		
Median Abs Dev							
Avg Within Lab SD	0.00		0.00		0.00		
Labs Included	1		1		1		
Labs Reporting	1		1		1		