

ALP Program

Participant Web Summary Report

Round #29



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 - Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Spring 2016 (Cycle 29) was completed in May 2016, with participation by 104 labs from the United States, Canada, Guatemala, South Africa, Italy, Romania, UAE and the Philippines. Proficiency samples consisted of five soils, Four botanical and three water samples. Analytical methods evaluated are base 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: SRS1601 a Clarno-Davison loam collected from McCook Cty, SD; SRS1602 a sandy clay loam collected from Huron, ON CANADA; SRS1603 a Woodbridge fine sandy loam collected Kennebec Cty, ME; SRS1604 a Sebastopol sandy loam collected Sonoma Cty, CA; and SRS1605 a Marvyn loamy sand collected Lee Cty, AL. Standard Reference Botanical (SRB) materials were: SRB1601 corn leaf composite from CT; SRB1602 almond leaf composite from CA; SRB1603 corn leaf V5 from CA and SRB1604 sorghum leaf. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1601 well water in CT, SRW1602 well water in IA, and SRW1603 irrigation water in CO.

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

Special Topics:

Discussion of Statistics in ALP Reports.

Quick Key to Analysis Tables.

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

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Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
YAA32W	42.7	-0.1	0.6	40.6	0.0	0.1	32.8	-0.3	0.1	40.6	-0.5	1.1	21.0	-0.1	0.3		
		-0.5	0.8		-0.1	0.5		-0.9	0.1		-2.7	0.9		-0.1	0.2		
CJTVUF	40.8	-0.5	0.3	38.5	-0.4	0.1	31.5	-0.8	0.6	44.6	0.2	0.8	18.5	-1.6	0.7		
		-2.4	0.4		-2.1	0.5		-2.2	0.5		1.2	0.7		-2.6	0.4		
83L8FJ	43.0	0.0	2.8	39.9	-0.1	0.7	34.3	0.2	1.3	37.3	-1.1	0.7	22.1	0.6	1.6		
		-0.2	3.6		-0.7	3.0		0.6	1.2		-6.0	0.6		1.0	1.0		
644GFL	49.3	1.2	0.4	44.7	0.8	0.3	36.0	0.8	1.1	47.0	0.7	1.2	24.3	1.9	0.9		
		6.1	0.6		4.0	1.5		2.3	1.0		3.7	1.0		3.2	0.6		
2GK3BP	42.6	-0.1	0.9	39.0	-0.3	0.1	38.6	1.6	0.7	41.6	-0.3	1.8	22.6	0.9	1.7		
		-0.6	1.1		-1.7	0.3		4.8	0.7		-1.7	1.6		1.5	1.1		
33JQFQ	36.2	-1.3	0.2	36.9	-0.7	0.0	29.9	-1.3	0.2	34.4	-1.7	0.1	17.5	-2.1	0.1		
		-7.0	0.3		-3.7	0.1		-3.9	0.2		-8.9	0.1		-3.6	0.1		
XNBEWV	41.1	-0.4	0.9	35.9	-0.9	0.2	32.5	-0.4	1.0	37.0	-1.2	1.5	20.3	-0.5	0.3		
		-2.1	1.1		-4.7	1.0		-1.3	1.0		-6.3	1.3		-0.8	0.2		
FPNYC9	54.1	2.1	1.0	49.1	1.6	0.4	40.1	2.2	0.2	45.0	0.3	1.2	21.0	-0.1	0.5		
		10.9	1.3		8.4	1.8		6.4	0.2		1.7	1.0		-0.1	0.3		
FKH3T9	47.3	0.8	0.4	44.3	0.7	0.1	35.3	0.5	0.6	47.0	0.7	1.2	23.3	1.3	0.9		
		4.1	0.6		3.7	0.6		1.6	0.6		3.7	1.0		2.2	0.6		
WGX7VT	43.0	0.0	1.0	29.2	-2.2	4.9	33.7	0.0	2.3	40.5	-0.5	0.2	20.1	-0.6	1.2		
		-0.2	1.2		-11.5	21.7		0.0	2.1		-2.9	0.1		-1.0	0.8		
QECBRZ	43.7	0.1	0.4	40.7	0.0	0.1	33.0	-0.2		39.7	-0.7	0.7	20.3	-0.5	0.9		
		0.5	0.6		0.0	0.6		-0.7	0.0		-3.7	0.6		-0.8	0.6		
ZVM3ZV	52.3	1.7	1.2	53.0	2.4		37.0	1.1	1.9	57.0	2.6		18.7	-1.5	1.8		
		9.1	1.5		12.3	0.0		3.3	1.7		13.7	0.0		-2.4	1.2		
UNPG82	43.2	0.0	1.2	41.5	0.2	0.2	32.4	-0.4	1.7	43.8	0.1	1.1	20.9	-0.1	1.9		
		0.0	1.5		0.9	1.0		-1.3	1.6		0.5	0.9		-0.2	1.2		
JBF2VE	48.3	1.0	1.9	44.0	0.6	0.2	33.7	0.0	0.6	48.3	1.0	1.8	22.0	0.5	1.5		
		5.1	2.5		3.3	1.0		-0.1	0.6		5.0	1.5		0.9	1.0		
98UYZG	48.0	0.9	0.8	42.0	0.3	0.2	35.3	0.5	0.6	45.7	0.4	0.7	22.7	0.9	0.9		
		4.8	1.0		1.3	1.0		1.6	0.6		2.3	0.6		1.6	0.6		
RCXBZX	46.7	0.7	0.9	40.0	-0.1		33.3	-0.1	0.6	43.3	0.0	0.7	21.3	0.1	0.9		
		3.5	1.2		-0.7	0.0		-0.4	0.6		0.0	0.6		0.2	0.6		
HUC6ZA	43.1	0.0	0.3	41.1	0.1	0.1	32.2	-0.5	0.4	42.9	-0.1	0.4	21.1	0.0	0.5		
		-0.1	0.3		0.4	0.3		-1.5	0.4		-0.4	0.3		0.0	0.3		
YTJ7GT	45.1	0.4		43.1	0.5		33.9	0.1		43.1	0.0		21.3	0.1			
		1.9	0.0		2.4	0.0		0.2	0.0		-0.2	0.0		0.2	0.0		
YPJVKT	40.0	-0.6	1.9	38.5	-0.4	0.1	32.7	-0.4	1.8	40.9	-0.5	1.9	20.4	-0.4	0.7		
		-3.2	2.5		-2.1	0.3		-1.1	1.6		-2.4	1.6		-0.7	0.5		
WYZRCU	41.5	-0.3	0.4	40.1	-0.1	0.1	31.9	-0.6	0.8	42.9	-0.1	0.5	21.5	0.2	0.7		
		-1.7	0.5		-0.6	0.4		-1.8	0.8		-0.4	0.4		0.4	0.4		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
BHL3GF	48.3	1.0	0.6	46.4	1.1	0.4	36.5	0.9	1.7	47.2	0.7	0.7	21.8	0.4	0.8
		5.1	0.8		5.7	1.6		2.8	1.5		3.9	0.6		0.7	0.5
K6MG64	52.3	1.7	0.4	45.7	1.0	0.3	36.3	0.9	0.6	48.3	1.0	1.8	24.0	1.7	1.5
		9.1	0.6		5.0	1.2		2.6	0.6		5.0	1.5		2.9	1.0
ZZZ3WM	49.9	1.3		48.2	1.4		41.1	2.5		47.9	0.9		21.2	0.0	
		6.7	0.0		7.6	0.0		7.4	0.0		4.5	0.0		0.1	0.0
PHEWWY	42.5	-0.1		38.4	-0.4		33.4	-0.1		46.9	0.7		20.9	-0.1	
		-0.7	0.0		-2.3	0.0		-0.3	0.0		3.6	0.0		-0.2	0.0
J6NUD7	40.5	-0.5		38.1	-0.5		34.4	0.2		39.5	-0.7		20.4	-0.4	
		-2.7	0.0		-2.6	0.0		0.7	0.0		-3.8	0.0		-0.7	0.0
Grand Median		43.2			40.7			33.7			43.3			21.1	
Median Abs Dev		2.7			2.4			1.5			3.6			0.8	
Avg Within Lab SD		1.3			4.5			0.9			0.9			0.7	
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		

pH - sp (SubTestCode 102)	in the Salinity Property Groups															Data units: Unit
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GZ63WD	7.65	-0.09	1.11	7.32	0.01	1.71	5.42	-0.12	0.09	5.37	-0.12	0.31	4.24	-0.65	0.12	
		-0.02	0.08		0.00	0.07		-0.04	0.01		-0.03	0.02		-0.13	0.01	
CJTVUF	7.59	-0.38	0.18	7.27	-0.27	0.39	5.33	-0.42	0.23	5.29	-0.48	0.62	4.21	-0.76	1.10	
		-0.08	0.01		-0.04	0.02		-0.13	0.02		-0.11	0.03		-0.15	0.05	
83L8FJ	7.87	0.91	0.57	7.51	1.23	1.12	5.62	0.51	0.30	5.58	0.81	0.20	4.45	0.44	1.45	
		0.20	0.04		0.20	0.05		0.16	0.02		0.19	0.01		0.09	0.07	
644GFL	7.75	0.38	0.33	7.27	-0.28	0.42	5.45	-0.03	0.30	5.40	0.04	0.31	4.37	0.02	0.32	
		0.08	0.02		-0.05	0.02		-0.01	0.02		0.01	0.02		0.00	0.02	
2GK3BP	7.84	0.80	0.30	7.55	1.46	1.90	5.57	0.35	0.00	5.42	0.11	0.53	4.43	0.36	2.87	
		0.17	0.02		0.24	0.08		0.11	0.00		0.03	0.03		0.07	0.14	
33JQFQ	7.55	-0.55	0.14	7.39	0.49	0.28	5.44	-0.06	0.15	5.39	-0.04	1.15	4.31	-0.29	0.84	
		-0.12	0.01		0.08	0.01		-0.02	0.01		-0.01	0.06		-0.06	0.04	
XNBEWV	7.61	-0.28	0.43	7.22	-0.59	0.24	5.26	-0.63	0.34	5.05	-1.52	0.53	3.95	-2.12	0.36	
		-0.06	0.03		-0.10	0.01		-0.20	0.02		-0.35	0.03		-0.41	0.02	
FPNYC9	7.77	0.45	0.82	7.30	-0.09	0.00	5.30	-0.51	0.00	5.10	-1.30	0.00	4.00	-1.86		
		0.10	0.06		-0.02	0.00		-0.16	0.00		-0.30	0.00		-0.36	0.00	
FKH3T9	7.89	1.00	2.36	7.34	0.13	0.14	5.77	1.00	1.94	5.50	0.45	2.53	4.55	0.94	1.76	
		0.22	0.17		0.02	0.01		0.31	0.13		0.10	0.13		0.18	0.09	
WGX7VT	7.65	-0.11	0.59	7.33	0.11	1.15	5.57	0.34	0.76	5.48	0.37	1.45	4.29	-0.38	0.41	
		-0.02	0.04		0.02	0.05		0.11	0.05		0.09	0.07		-0.07	0.02	
QECBRZ	7.52	-0.69	0.14	7.15	-1.00	0.56	5.41	-0.16	0.45	5.29	-0.45	0.65	4.29	-0.36	0.63	
		-0.15	0.01		-0.16	0.02		-0.05	0.03		-0.10	0.03		-0.07	0.03	
ZVM3ZV	7.52	-0.71	0.08	7.21	-0.65	0.24	5.45	-0.03	0.15	5.36	-0.14	0.12	4.25	-0.60	0.12	
		-0.15	0.01		-0.11	0.01		-0.01	0.01		-0.03	0.01		-0.12	0.01	
UNPG82	7.90	1.06	1.40	7.45	0.82	0.74	5.62	0.51	2.72	5.49	0.43	1.34	4.36	-0.02	0.62	
		0.23	0.10		0.13	0.03		0.16	0.18		0.10	0.07		0.00	0.03	
JBF2VE	7.74	0.32	0.25	7.32	0.03	0.88	5.37	-0.29	0.15	5.32	-0.31	0.12	4.42	0.29	1.29	
		0.07	0.02		0.01	0.04		-0.09	0.01		-0.07	0.01		0.06	0.06	
98UYZG	7.46	-0.98	3.55	7.13	-1.17	1.10	5.55	0.29	2.32	5.29	-0.48	1.86	4.16	-1.04	1.29	
		-0.21	0.25		-0.19	0.05		0.09	0.16		-0.11	0.09		-0.20	0.06	
4JGF2L	7.44	-1.06	0.00	7.19	-0.76	1.76	5.66	0.65	0.82	5.51	0.51	0.88	4.41	0.22	0.12	
		-0.23	0.00		-0.12	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		
WYZRCU	7.70	0.12	0.33	7.45	0.86	0.14	5.70	0.78	0.17	5.53	0.58	0.23	4.46	0.50	0.21
		0.03	0.02		0.14	0.01		0.24	0.01		0.13	0.01		0.10	0.01
BHL3GF	7.81	0.63	0.83	7.38	0.42	0.51	5.61	0.48	0.15	5.48	0.37	0.35	4.40	0.20	0.43
		0.14	0.06		0.07	0.02		0.15	0.01		0.09	0.02		0.04	0.02
MZGWVZ	7.83	0.74	0.62	6.79	-3.26	0.24	6.54	3.43	1.63	5.55	0.70	2.12	4.59	1.14	1.32
		0.16	0.04		-0.53	0.01		1.08	0.11		0.16	0.11		0.22	0.06
K6MG64	7.74	0.31	0.54	7.36	0.28	0.49	5.35	-0.34	0.89	5.32	-0.34	0.42	4.48	0.58	0.32
		0.07	0.04		0.05	0.02		-0.11	0.06		-0.08	0.02		0.11	0.02
ZZZ3WM	7.33	-1.57		7.07	-1.52		5.08	-1.21		5.12	-1.21		4.07	-1.50	
		-0.34	0.00		-0.25	0.00		-0.38	0.00		-0.28	0.00		-0.29	0.00
PHEWWY	6.94	-3.35	0.78	7.31	-0.01	2.31	4.79	-2.14	1.93	5.48	0.37	1.12	4.09	-1.40	1.66
		-0.73	0.06		0.00	0.10		-0.67	0.13		0.09	0.06		-0.27	0.08
J6NUD7	7.83	0.74		7.62	1.89		7.46	6.38		6.77	6.04		7.16	14.33	
		0.16	0.00		0.31	0.00		2.00	0.00		1.38	0.00		2.80	0.00
Grand Median		7.67			7.32			5.46			5.40			4.36	
Median Abs Dev		0.12			0.09			0.14			0.10			0.11	
Avg Within Lab SD		0.07			0.04			0.07			0.05			0.05	
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		

ECe - sp (SubTestCode 103)	in the Salinity Property Groups															Data units: dS/m
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.45	0.85	1.17	0.64	-0.31	1.67	2.05	0.91	0.13	2.20	0.76	1.34	1.73	0.83	1.53	
		0.04	0.03		-0.04	0.06		0.18	0.01		0.25	0.09		0.16	0.12	
GZ63WD	0.39	-0.27	0.94	0.60	-0.69	1.68	1.76	-0.53	2.29	1.64	-0.97	2.14	1.43	-0.73	1.12	
		-0.01	0.02		-0.08	0.06		-0.11	0.18		-0.31	0.14		-0.14	0.09	
CJTVUF	0.40	-0.13	2.23	0.67	-0.10	0.23	1.78	-0.45	1.00	1.78	-0.54	1.38	1.69	0.59	0.95	
		-0.01	0.05		-0.01	0.01		-0.09	0.08		-0.17	0.09		0.11	0.07	
83L8FJ	0.40	-0.04	2.51	0.60	-0.70	1.71	1.74	-0.62	0.96	2.13	0.55	0.81	1.39	-0.97	1.09	
		0.00	0.05		-0.08	0.06		-0.12	0.08		0.18	0.05		-0.19	0.09	
644GFL	0.38	-0.55	0.72	0.77	0.75	0.41	1.96	0.48	0.76	2.03	0.26	1.68	1.58	0.02	0.53	
		-0.03	0.02		0.09	0.02		0.10	0.06		0.08	0.11		0.00	0.04	
2GK3BP	0.43	0.61	0.72	0.81	1.15	1.33	1.87	0.00	1.57	2.23	0.88	1.64	1.52	-0.30	1.19	
		0.03	0.02		0.13	0.05		0.00	0.13		0.28	0.10		-0.06	0.09	
33JQFQ	0.40	-0.14	0.27	0.50	-1.55		1.69	-0.86	0.07	1.75	-0.62		1.21	-1.91	0.07	
		-0.01	0.01		-0.18	0.00		-0.17	0.01		-0.20	0.00		-0.37	0.01	
XNBEWV	0.34	-1.23	0.27	0.67	-0.12	0.95	1.86	-0.03	0.38	2.83	2.72	0.16	1.66	0.47	0.98	
		-0.06	0.01		-0.01	0.04		-0.01	0.03		0.88	0.01		0.09	0.08	
FPNYC9	0.42	0.34	0.47	0.56	-1.04	0.71	1.58	-1.45	0.84	1.88	-0.23	1.28	1.44	-0.70	0.38	
		0.02	0.01		-0.12	0.03		-0.29	0.07		-0.07	0.08		-0.13	0.03	
FKH3T9	0.43	0.61	0.54	0.77	0.76	0.11	1.88	0.07	0.26	1.94	-0.04	0.39	1.50	-0.37	0.21	
		0.03	0.01		0.09	0.00		0.01	0.02		-0.01	0.02		-0.07	0.02	
WGX7VT	0.45	1.02	2.12	0.59	-0.78	0.71	1.78	-0.42	0.38	1.83	-0.38	2.59	1.53	-0.21	0.70	
		0.05	0.05		-0.09	0.03		-0.08	0.03		-0.12	0.17		-0.04	0.06	
QECBRZ	0.44	0.82	0.27	0.60	-0.72	0.41	1.91	0.23	0.19	2.20	0.77	0.31	1.61	0.21	0.45	
		0.04	0.01		-0.08	0.02		0.05	0.02		0.25	0.02		0.04	0.04	
UNPG82	0.39	-0.27	0.47	0.74	0.49	0.16	1.97	0.50	2.79	1.98	0.09	0.27	1.62	0.24	3.86	
		-0.01	0.01		0.06	0.01		0.10	0.22		0.03	0.02		0.05	0.30	
JBF2VE	0.39	-0.27	0.47	0.64	-0.35	3.06	1.92	0.25	1.02	1.89	-0.19	0.31	1.59	0.07	0.29	
		-0.01	0.01		-0.04	0.11		0.05	0.08		-0.06	0.02		0.01	0.02	
98UYZG	0.37	-0.61	0.27	0.73	0.43	1.14	1.68	-0.91	1.41	1.82	-0.41	0.33	1.38	-1.01	0.90	
		-0.03	0.01		0.05	0.04		-0.18	0.11		-0.13	0.02		-0.19	0.07	
4JGF2L	0.37	-0.69	0.03	0.71	0.23	0.03	1.52	-1.73	0.01	1.76	-0.59	0.12	1.33	-1.24	0.03	
		-0.03	0.00		0.03	0.00		-0.35	0.00		-0.19	0.01		-0.24	0.00	
RCXBZX	0.41	0.06	0.07	0.79	0.96	0.07	1.91	0.23	0.03	2.04	0.29	0.32	1.51	-0.32	0.18	
		0.00	0.00		0.11	0.00		0.05	0.00		0.09	0.02		-0.06	0.01	
HUC6ZA	0.48	1.66	2.29	0.79	0.98	0.59	1.94	0.35	0.40	2.17	0.67	0.51	1.63	0.31	0.29	
		0.08	0.05		0.11	0.02		0.07	0.03		0.22	0.03		0.06	0.02	
YTJ7GT	0.45	0.95		0.74	0.52		2.08	1.06		2.45	1.55		1.75	0.92		
		0.05	0.00		0.06	0.00		0.21	0.00		0.50	0.00		0.18	0.00	
YPJVKT	0.39	-0.24	0.19	0.68	0.03	0.20	1.83	-0.17	0.07	1.95	0.00	0.96	1.44	-0.68	0.07	
		-0.01	0.00		0.00	0.01		-0.03	0.01		0.00	0.06		-0.13	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		
WYZRCU	0.46	1.19	0.89	0.65	-0.26	0.29	1.98	0.57	0.76	2.18	0.70	0.74	1.72	0.78	0.58
		0.06	0.02		-0.03	0.01		0.11	0.06		0.23	0.05		0.15	0.05
BHL3GF	0.47	1.27	0.40	0.65	-0.25	1.77	1.87	0.02	1.21	2.10	0.45	0.89	1.67	0.52	0.75
		0.06	0.01		-0.03	0.07		0.00	0.10		0.15	0.06		0.10	0.06
MZGWVZ	0.51	2.23	0.10	1.12	3.77	0.02	1.22	-3.23	1.32	1.58	-1.14	0.91	1.07	-2.62	0.78
		0.11	0.00		0.44	0.00		-0.65	0.11		-0.37	0.06		-0.50	0.06
K6MG64	0.40	0.00	0.54	0.72	0.35	0.00	1.99	0.62	0.25	1.92	-0.09	0.27	1.57	0.00	0.15
		0.00	0.01		0.04	0.00		0.12	0.02		-0.03	0.02		0.00	0.01
ZZZ3WM	0.50	1.98		0.61	-0.60		2.16	1.46		2.85	2.79		1.79	1.13	
		0.10	0.00		-0.07	0.00		0.29	0.00		0.90	0.00		0.22	0.00
PHEWWY	0.40	-0.10	0.40	0.72	0.34	0.24	1.86	-0.03	0.90	1.84	-0.35	0.32	1.60	0.15	0.62
		-0.01	0.01		0.04	0.01		-0.01	0.07		-0.11	0.02		0.03	0.05
J6NUD7	0.40	-0.07		0.68	0.00		1.66	-1.03		1.89	-0.19		1.40	-0.90	
		0.00	0.00		0.00	0.00		-0.21	0.00		-0.06	0.00		-0.17	0.00
Grand Median		0.40			0.68			1.87			1.95			1.57	
Median Abs Dev		0.03			0.06			0.10			0.17			0.11	
Avg Within Lab SD		0.02			0.04			0.08			0.06			0.08	
Labs Included		27			27			27			27			27	
Labs Reporting		27			27			27			27			27	



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

HCO3 -sp (SubTestCode 104)	in the Salinity Property Groups												Data units: mmol/L		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
YAA32W	3.60	0.10	0.61	4.09	0.25	0.72	0.53	0.09	0.09	0.46	0.14	0.25	0.23	-0.32	0.47
		0.13	0.11		0.29	0.13		0.06	0.01		0.06	0.04		-0.13	0.03
83L8FJ	2.59	-0.66	2.15	2.36	-1.22	0.00	0.34	-0.18	0.00	0.34	-0.17	0.00	0.34	-0.06	0.00
		-0.88	0.39		-1.44	0.00		-0.13	0.00		-0.07	0.00		-0.03	0.00
644GFL	3.78	0.23	0.00	3.33	-0.40	0.27	0.17	-0.43	0.00	0.23	-0.44	0.55			
		0.31	0.00		-0.47	0.05		-0.30	0.00		-0.18	0.10			
2GK3BP	1.75	-1.28	1.23	1.29	-2.12	1.11	0.30	-0.24	0.13	0.41	0.01	0.46	0.30	-0.16	0.90
		-1.71	0.22		-2.51	0.20		-0.16	0.01		0.01	0.08		-0.07	0.06
33JQFQ	3.85	0.29	0.00	4.00	0.17		0.61	0.21	0.00	0.51	0.26	0.00	0.39	0.06	0.00
		0.38	0.00		0.20	0.00		0.15	0.00		0.11	0.00		0.03	0.00
FPNYC9	4.00	0.40	1.02	4.21	0.35	2.01	0.84	0.55	2.41	0.63	0.57	3.07	0.42	0.15	2.51
		0.54	0.18		0.41	0.36		0.38	0.18		0.23	0.54		0.06	0.18
QECBRZ	3.47	0.00	1.27	4.53	0.62	1.28	0.27	-0.29	1.51	0.20	-0.51	0.00			
		0.00	0.23		0.73	0.23		-0.20	0.12		-0.21	0.00			
UNPG82	2.47	-0.75	0.64	2.07	-1.47	0.64	0.40	-0.09	0.00	0.40	-0.01	0.00	0.40	0.09	0.00
		-1.00	0.12		-1.73	0.12		-0.06	0.00		-0.01	0.00		0.04	0.00
MZGWVZ	6.05	1.93	0.30	3.37	-0.36	0.06	2.22	2.55	1.37	1.99	3.93	0.06	2.04	4.10	0.82
		2.58	0.06		-0.43	0.01		1.76	0.11		1.59	0.01		1.68	0.06
PHEWWY	2.58	-0.67	1.15	4.35	0.46	1.76									
		-0.89	0.21		0.55	0.32									
J6NUD7	2.00	-1.10		3.80	0.00		1.92	2.11		0.12	-0.71		0.18	-0.45	
		-1.47	0.00		0.00	0.00		1.46	0.00		-0.29	0.00		-0.18	0.00
Grand Median		3.47		3.80			0.46			0.41			0.36		
Median Abs Dev		0.88		0.47			0.18			0.14			0.06		
Avg Within Lab SD		0.18		0.18			0.08			0.18			0.07		
Labs Included		11		11			10			10			8		
Labs Reporting		11		11			10			10			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		

K - sp (SubTestCode 105)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.15	0.89	0.20	0.17	0.09	0.42	1.47	0.65	0.63	0.66	0.15	0.42	0.55	0.00	0.53	
		0.02	0.00		0.00	0.00		0.13	0.03		0.01	0.01		0.00	0.01	
644GFL	0.14	0.51	1.39	0.18	0.52	0.84	1.49	0.75	2.31	0.65	0.12	1.42	0.58	0.41	1.25	
		0.01	0.02		0.01	0.01		0.15	0.11		0.01	0.04		0.03	0.03	
2GK3BP	0.23	3.85	2.74	0.25	3.52	2.10	1.25	-0.44	1.03	0.76	1.48	1.38	0.61	0.79	1.52	
		0.10	0.03		0.09	0.02		-0.09	0.05		0.12	0.03		0.06	0.04	
XNBEWV	0.13	0.00	0.52	0.18	0.54	0.00	1.15	-0.95	0.25	0.60	-0.59	0.61	0.51	-0.46	0.38	
		0.00	0.01		0.01	0.00		-0.19	0.01		-0.05	0.02		-0.04	0.01	
FPNYC9	0.11	-0.51	0.52	0.13	-1.49	1.75	1.11	-1.19	0.91	0.53	-1.39	1.00	0.50	-0.59	1.37	
		-0.01	0.01		-0.04	0.02		-0.23	0.04		-0.11	0.03		-0.05	0.04	
FKH3T9	0.12	-0.26	0.00	0.16	-0.27	0.00	1.40	0.32	1.26	0.64	-0.04	0.00	0.53	-0.17	0.58	
		-0.01	0.00		-0.01	0.00		0.06	0.06		0.00	0.00		-0.01	0.02	
UNPG82	0.13	0.00	0.52	0.17	0.27	0.58	1.51	0.87	1.82	0.66	0.21	1.44	0.60	0.62	1.95	
		0.00	0.01		0.01	0.01		0.17	0.08		0.02	0.04		0.05	0.05	
JBF2VE	0.12	-0.45	0.19	0.15	-0.54	1.15	1.34	0.00	0.39	0.58	-0.76	0.48	0.51	-0.42	0.29	
		-0.01	0.00		-0.01	0.01		0.00	0.02		-0.06	0.01		-0.03	0.01	
98UYZG	0.12	-0.13	0.63	0.16	-0.08	2.29	1.19	-0.76	1.86	0.55	-1.18	1.51	0.49	-0.66	0.49	
		0.00	0.01		0.00	0.02		-0.15	0.09		-0.09	0.04		-0.05	0.01	
RCXBZX	0.12	-0.44	0.14	0.15	-0.66	0.15	1.33	-0.05	0.23	0.61	-0.45	0.26	0.53	-0.27	0.63	
		-0.01	0.00		-0.02	0.00		-0.01	0.01		-0.04	0.01		-0.02	0.02	
HUC6ZA	0.16	1.41	2.26	0.17	0.00	1.17	1.36	0.11	0.63	0.67	0.38	1.51	0.64	1.21	2.32	
		0.04	0.03		0.00	0.01		0.02	0.03		0.03	0.04		0.10	0.06	
YTJ7GT	0.13	0.13		0.15	-0.68		1.42	0.40		0.66	0.21		0.56	0.16		
		0.00	0.00		-0.02	0.00		0.08	0.00		0.02	0.00		0.01	0.00	
YPJVKT	0.11	-0.51	0.52	0.14	-1.08	0.00	1.11	-1.15	0.25	0.50	-1.81	1.38	0.38	-2.09	0.66	
		-0.01	0.01		-0.03	0.00		-0.23	0.01		-0.14	0.03		-0.17	0.02	
WYZRCU	0.15	1.06	0.33	0.18	0.57	0.04	1.41	0.35	0.35	0.65	0.03	1.11	0.58	0.44	0.23	
		0.03	0.00		0.01	0.00		0.07	0.02		0.00	0.03		0.04	0.01	
BHL3GF	0.15	0.90	0.90	0.17	0.00	0.58	1.32	-0.09	0.33	0.64	0.00	1.22	0.58	0.37	0.22	
		0.02	0.01		0.00	0.01		-0.02	0.02		0.00	0.03		0.03	0.01	
MZGWVZ	0.12	-0.26	0.90	0.72	22.49	1.01	1.56	1.13	0.33	2.11	18.56	4.38	3.08	31.74	4.73	
		-0.01	0.01		0.55	0.01		0.22	0.02		1.47	0.11		2.53	0.12	
PHEWWY	0.13	0.29		0.18	0.46		1.64	1.49		0.71	0.84		0.60	0.69		
		0.01	0.00		0.01	0.00		0.29	0.00		0.07	0.00		0.05	0.00	
J6NUD7	0.13	0.13		0.15	-0.68		0.97	-1.88		0.50	-1.81		0.38	-2.09		
		0.00	0.00		-0.02	0.00		-0.37	0.00		-0.14	0.00		-0.17	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		0.13			0.17			1.34			0.64			0.55	
Median Abs Dev		0.01			0.01			0.13			0.04			0.04	
Avg Within Lab SD		0.01			0.01			0.05			0.03			0.03	
Labs Included		17			17			17			17			17	
Labs Reporting		17			17			17			17			17	



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

Ca - sp (SubTestCode 106)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	3.65	0.64	0.32	5.14	-0.09	0.28	12.62	0.41	0.09	13.01	0.50	0.29	9.59	0.26	0.17	
		0.45	0.04		-0.07	0.04		0.73	0.05		1.15	0.12		0.49	0.07	
GZ63WD	2.70	-0.71	0.92	4.57	-0.76	0.90	10.98	-0.52	2.05	10.02	-0.80	1.59	8.12	-0.51	0.79	
		-0.50	0.11		-0.64	0.13		-0.92	1.01		-1.84	0.63		-0.98	0.30	
83L8FJ	3.29	0.13	2.60	4.50	-0.85	0.11	10.68	-0.69	0.69	12.48	0.27	1.15	7.93	-0.60	0.15	
		0.09	0.31		-0.72	0.02		-1.21	0.34		0.62	0.46		-1.17	0.06	
644GFL	2.95	-0.35	1.13	5.49	0.33	1.51	12.34	0.26	2.21	11.27	-0.25	1.90	8.89	-0.11	0.95	
		-0.25	0.14		0.28	0.23		0.45	1.08		-0.59	0.76		-0.20	0.36	
2GK3BP	2.97	-0.32	0.52	5.58	0.43	0.72	11.53	-0.20	2.08	13.38	0.66	0.98	9.53	0.22	1.71	
		-0.23	0.06		0.36	0.11		-0.36	1.02		1.52	0.39		0.43	0.66	
33JQFQ	3.80	0.85	0.00	4.80	-0.49	0.00	11.65	-0.14	0.00	12.40	0.23	0.00	8.10	-0.52	0.00	
		0.60	0.00		-0.41	0.00		-0.24	0.00		0.54	0.00		-1.00	0.00	
XNBEWV	2.99	-0.29	0.32	5.83	0.73	1.49	14.15	1.28	1.00	14.22	1.02	0.55	11.46	1.22	1.38	
		-0.21	0.04		0.61	0.22		2.26	0.49		2.36	0.22		2.36	0.53	
FPNYC9	3.13	-0.10	1.01	4.37	-1.00	3.14	9.77	-1.20	0.88	10.46	-0.61	1.67	7.93	-0.61	0.28	
		-0.07	0.12		-0.85	0.47		-2.12	0.43		-1.40	0.66		-1.17	0.11	
FKH3T9	2.91	-0.41	0.17	5.29	0.09	0.17	11.66	-0.13	0.37	10.88	-0.42	0.47	8.44	-0.34	0.54	
		-0.29	0.02		0.07	0.03		-0.23	0.18		-0.98	0.19		-0.66	0.21	
WGX7VT	4.55	1.91	0.46	4.75	-0.55	0.86	11.40	-0.28	0.54	11.53	-0.14	0.95	9.65	0.28	0.08	
		1.35	0.06		-0.47	0.13		-0.49	0.26		-0.33	0.38		0.55	0.03	
QECBRZ	3.37	0.24	0.96	4.83	-0.45	0.39	12.23	0.19	0.47	13.00	0.49	0.44	9.47	0.19	0.60	
		0.17	0.12		-0.38	0.06		0.34	0.23		1.14	0.17		0.37	0.23	
6VACMK	2.63	-0.81		4.87	-0.41		12.40	0.29		11.26	-0.26		7.23	-0.97		
		-0.57	0.00		-0.34	0.00		0.51	0.00		-0.60	0.00		-1.87	0.00	
UNPG82	3.22	0.03	1.08	5.87	0.78	1.98	12.80	0.52	2.47	11.80	-0.03	1.00	10.00	0.47	3.93	
		0.02	0.13		0.66	0.30		0.91	1.21		-0.06	0.40		0.90	1.51	
JBF2VE	2.76	-0.62	0.76	5.12	-0.11	0.90	12.25	0.20	0.11	10.60	-0.54	0.99	9.10	0.00	0.27	
		-0.44	0.09		-0.10	0.13		0.36	0.05		-1.26	0.39		0.00	0.10	
98UYZG	1.39	-2.56	0.37	2.58	-3.12	0.51	5.15	-3.83	1.00	5.22	-2.88	0.76	4.08	-2.59	0.43	
		-1.81	0.04		-2.64	0.08		-6.74	0.49		-6.64	0.30		-5.02	0.17	
RCXBZX	2.87	-0.47	0.49	5.65	0.52	0.20	11.90	0.01	0.11	11.86	0.00	0.44	8.66	-0.23	0.56	
		-0.33	0.06		0.44	0.03		0.01	0.06		0.00	0.18		-0.44	0.21	
HUC6ZA	3.29	0.13	3.03	5.57	0.42	0.97	11.93	0.02	0.26	12.75	0.39	1.40	9.65	0.28	1.16	
		0.09	0.36		0.35	0.14		0.04	0.13		0.89	0.56		0.55	0.44	
YTJ7GT	3.20	0.00		5.19	-0.03		12.52	0.36		13.27	0.61		9.63	0.27		
		0.00	0.00		-0.02	0.00		0.63	0.00		1.41	0.00		0.53	0.00	
YPJVKT	3.08	-0.17	0.05	5.23	0.02	0.19	10.43	-0.83	0.82	10.08	-0.77	0.15	7.55	-0.80	0.00	
		-0.12	0.01		0.02	0.03		-1.46	0.40		-1.78	0.06		-1.55	0.00	
WYZRCU	3.73	0.75	0.68	5.21	0.00	0.39	11.89	0.00	0.45	12.13	0.12	1.17	9.11	0.01	0.24	
		0.53	0.08		0.00	0.06		0.00	0.22		0.27	0.46		0.01	0.09	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
BHL3GF	3.86	0.93	1.28	5.25	0.04	1.45	11.43	-0.26	0.66	12.47	0.26	2.44	9.72	0.32	0.57
		0.66	0.15		0.04	0.22		-0.46	0.32		0.61	0.97		0.62	0.22
MZGWVZ	5.18	2.80	0.08	8.99	4.47	0.07	7.67	-2.40	0.41	4.63	-3.13	0.18	0.88	-4.25	0.42
		1.98	0.01		3.78	0.01		-4.23	0.20		-7.23	0.07		-8.22	0.16
ZZZ3WM	4.09	1.26		4.98	-0.27		14.04	1.22		17.29	2.35		10.60	0.77	
		0.89	0.00		-0.23	0.00		2.15	0.00		5.43	0.00		1.50	0.00
PHEWWY	3.23	0.04		5.90	0.82		13.32	0.81		11.89	0.01		10.17	0.56	
		0.03	0.00		0.69	0.00		1.43	0.00		0.03	0.00		1.08	0.00
J6NUD7	2.96	-0.34		5.29	0.09		10.45	-0.82		11.59	-0.12		8.15	-0.49	
		-0.24	0.00		0.08	0.00		-1.44	0.00		-0.27	0.00		-0.95	0.00
Grand Median		3.20			5.21			11.9			11.9			9.10	
Median Abs Dev		0.29			0.36			0.6			1.0			0.90	
Avg Within Lab SD		0.12			0.15			0.5			0.4			0.38	
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		

Mg - sp (SubTestCode 107)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	1.02	0.18	0.30	1.03	-1.04	0.25	3.86	0.72	0.00	6.75	0.61	0.57	2.99	0.30	0.06	
		0.04	0.01		-0.20	0.01		0.40	0.00		0.64	0.11		0.17	0.01	
GZ63WD	0.88	-0.50	0.75	1.08	-0.80	0.76	2.89	-1.04	1.42	4.72	-1.31	1.31	2.55	-0.48	0.27	
		-0.10	0.03		-0.15	0.03		-0.57	0.20		-1.38	0.25		-0.27	0.04	
83L8FJ	1.07	0.46	1.42	1.16	-0.39	1.33	3.21	-0.46	0.76	6.68	0.54	0.54	2.53	-0.50	0.46	
		0.09	0.06		-0.08	0.05		-0.25	0.11		0.58	0.10		-0.28	0.06	
644GFL	0.84	-0.73	1.16	1.18	-0.26	1.12	3.40	-0.11	1.92	5.38	-0.69	1.57	2.73	-0.15	0.92	
		-0.15	0.05		-0.05	0.04		-0.06	0.27		-0.73	0.30		-0.08	0.13	
2GK3BP	1.01	0.16	1.92	1.45	1.11	1.14	3.28	-0.34	2.50	6.32	0.20	1.15	3.23	0.73	1.79	
		0.03	0.08		0.21	0.05		-0.19	0.36		0.21	0.22		0.42	0.25	
33JQFQ	1.17	0.95	0.00	1.25	0.09		3.50	0.07		6.42	0.30	0.00	2.50	-0.56		
		0.19	0.00		0.02	0.00		0.04	0.00		0.31	0.00		-0.32	0.00	
XNBEWV	0.84	-0.73	0.79	1.34	0.57	1.65	4.10	1.15	0.68	7.46	1.28	0.35	3.66	1.49	1.33	
		-0.15	0.03		0.11	0.07		0.64	0.10		1.35	0.07		0.85	0.19	
FPNYC9	1.03	0.24	0.65	1.08	-0.78	2.50	3.14	-0.59	0.88	5.63	-0.45	1.59	2.69	-0.23	0.27	
		0.05	0.03		-0.15	0.10		-0.33	0.13		-0.48	0.30		-0.13	0.04	
FKH3T9	0.88	-0.50	0.51	1.24	0.02	0.53	3.33	-0.24	0.44	5.54	-0.54	0.48	2.68	-0.24	0.44	
		-0.10	0.02		0.00	0.02		-0.13	0.06		-0.57	0.09		-0.14	0.06	
WGX7VT	1.43	2.26	0.25	2.01	4.05	0.39	3.93	0.85	0.15	6.02	-0.08	0.41	3.63	1.43	0.19	
		0.45	0.01		0.78	0.02		0.47	0.02		-0.09	0.08		0.81	0.03	
QECBRZ	1.13	0.76	1.42	1.17	-0.35	1.46	3.87	0.73	0.81	7.03	0.88	1.10	3.30	0.85	0.72	
		0.15	0.06		-0.07	0.06		0.40	0.12		0.93	0.21		0.48	0.10	
6VACMK	0.98	-0.01		1.32	0.45		3.91	0.81		6.39	0.27		2.50	-0.56		
		0.00	0.00		0.09	0.00		0.45	0.00		0.28	0.00		-0.32	0.00	
UNPG82	0.96	-0.13	0.93	1.37	0.71	1.11	3.69	0.41	2.72	6.00	-0.10	1.12	3.20	0.67	3.71	
		-0.03	0.04		0.14	0.04		0.23	0.39		-0.11	0.21		0.38	0.52	
JBF2VE	0.84	-0.72	1.07	1.20	-0.20	0.28	3.50	0.07	0.35	5.14	-0.92	0.97	2.91	0.16	0.68	
		-0.14	0.04		-0.04	0.01		0.04	0.05		-0.97	0.18		0.09	0.09	
98UYZG	0.38	-3.03	0.38	0.57	-3.47	1.02	1.34	-3.84	0.89	2.39	-3.52	0.76	1.14	-2.96	0.32	
		-0.60	0.02		-0.67	0.04		-2.12	0.13		-3.72	0.14		-1.68	0.04	
RCXBZX	0.89	-0.48	0.20	1.29	0.30	0.50	3.35	-0.20	0.19	6.10	0.00	0.55	2.73	-0.16	0.61	
		-0.10	0.01		0.06	0.02		-0.11	0.03		0.00	0.10		-0.09	0.08	
HUC6ZA	0.98	0.01	2.72	1.35	0.59	0.39	3.51	0.08	0.25	6.45	0.33	1.61	3.19	0.66	1.06	
		0.00	0.11		0.11	0.02		0.05	0.04		0.35	0.30		0.37	0.15	
YTJ7GT	1.02	0.19		1.28	0.24		3.92	0.82		7.00	0.85		3.19	0.66		
		0.04	0.00		0.05	0.00		0.46	0.00		0.89	0.00		0.37	0.00	
YPJVKT	0.93	-0.24	0.14	1.21	-0.14	0.29	3.18	-0.51	0.53	5.21	-0.85	0.18	2.44	-0.66	0.25	
		-0.05	0.01		-0.03	0.01		-0.28	0.08		-0.90	0.03		-0.38	0.03	
WYZRCU	1.12	0.68	0.56	1.23	-0.02	0.43	3.62	0.29	0.48	6.12	0.02	1.27	2.90	0.15	0.20	
		0.14	0.02		0.00	0.02		0.16	0.07		0.02	0.24		0.08	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		
BHL3GF	1.20	1.10	1.73	1.23	-0.04	2.11	3.43	-0.07	0.69	6.33	0.21	2.51	3.18	0.64	1.04
		0.22	0.07		-0.01	0.08		-0.04	0.10		0.22	0.47		0.37	0.14
MZGWVZ	1.44	2.31	0.25	2.83	8.30	3.44	1.47	-3.59	0.93	1.04	-4.79	0.31	0.30	-4.43	1.24
		0.46	0.01		1.60	0.14		-1.99	0.13		-5.06	0.06		-2.52	0.17
ZZZ3WM	1.23	1.25		1.23	-0.02		4.02	1.01		8.39	2.16		3.18	0.63	
		0.25	0.00		0.00	0.00		0.56	0.00		2.29	0.00		0.36	0.00
PHEWWY	0.93	-0.26		1.34	0.55		3.97	0.91		6.11	0.00		3.34	0.91	
		-0.05	0.00		0.11	0.00		0.50	0.00		0.00	0.00		0.52	0.00
J6NUD7	0.86	-0.61		1.24	0.03		2.97	-0.89		6.02	-0.08		2.57	-0.43	
		-0.12	0.00		0.01	0.00		-0.49	0.00		-0.09	0.00		-0.25	0.00
Grand Median		0.98			1.23			3.46			6.11			2.82	
Median Abs Dev		0.10			0.07			0.30			0.52			0.34	
Avg Within Lab SD		0.04			0.04			0.14			0.19			0.14	
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		

Na - sp (SubTestCode 108)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.18	-0.01	0.15	0.42	2.50	0.32	0.63	3.57	3.60	0.78	1.78	1.72	0.59	3.33	0.56	
		0.00	0.00		0.19	0.01		0.38	0.19		0.21	0.07		0.32	0.02	
GZ63WD	0.19	0.17	0.20	0.21	-0.24	0.45	0.19	-0.56	0.37	0.48	-0.77	0.74	0.26	-0.13	0.15	
		0.01	0.01		-0.02	0.01		-0.06	0.02		-0.09	0.03		-0.01	0.01	
83L8FJ	0.23	0.67	3.29	0.23	0.00	2.66	0.25	0.00	0.50	0.68	0.88	3.05	0.29	0.13	1.90	
		0.05	0.09		0.00	0.06		0.00	0.03		0.10	0.13		0.01	0.07	
644GFL	0.13	-0.59	2.01	0.22	-0.10	0.36	0.33	0.70	0.78	0.53	-0.34	0.90	0.40	1.31	0.59	
		-0.05	0.06		-0.01	0.01		0.08	0.04		-0.04	0.04		0.12	0.02	
2GK3BP	0.40	2.91	1.07	0.53	3.94	0.94	0.45	1.88	1.07	0.84	2.27	0.70	0.48	2.16	0.89	
		0.22	0.03		0.30	0.02		0.20	0.06		0.26	0.03		0.20	0.03	
33JQFQ	0.17	-0.13	0.00	0.22	-0.11	0.00	0.22	-0.28	0.00	0.57	-0.03	0.00	0.22	-0.58	0.00	
		-0.01	0.00		-0.01	0.00		-0.03	0.00		0.00	0.00		-0.06	0.00	
XNBEWV	0.08	-1.26	0.20	0.16	-0.94	0.69	0.18	-0.62	0.28	0.58	0.06	0.49	0.26	-0.20	0.78	
		-0.10	0.01		-0.07	0.02		-0.07	0.02		0.01	0.02		-0.02	0.03	
FPNYC9	0.15	-0.39	1.82	0.24	0.16	1.63	0.25	0.00	0.49	0.60	0.26	0.51	0.30	0.30	0.15	
		-0.03	0.05		0.01	0.04		0.00	0.03		0.03	0.02		0.03	0.01	
FKH3T9	0.21	0.39	0.35	0.30	0.90	1.45	0.30	0.43	0.92	0.59	0.11	0.37	0.31	0.33	1.29	
		0.03	0.01		0.07	0.03		0.05	0.05		0.01	0.02		0.03	0.05	
WGX7VT	0.20	0.30	0.20	0.24	0.16	0.45	0.19	-0.53	0.11	0.52	-0.46	0.24	0.47	2.09	0.65	
		0.02	0.01		0.01	0.01		-0.06	0.01		-0.05	0.01		0.20	0.03	
QECBRZ	0.20	0.26	0.00	0.27	0.51	2.60	0.27	0.15	1.07	0.63	0.52	1.41	0.37	0.96	1.48	
		0.02	0.00		0.04	0.06		0.02	0.06		0.06	0.06		0.09	0.06	
6VACMK	0.26	1.04		0.24	0.16		0.27	0.19		0.57	-0.03		0.21	-0.69		
		0.08	0.00		0.01	0.00		0.02	0.00		0.00	0.00		-0.07	0.00	
UNPG82	0.12	-0.82	0.40	0.20	-0.42	0.26	0.20	-0.49	0.11	0.54	-0.32	0.51	0.25	-0.30	1.04	
		-0.06	0.01		-0.03	0.01		-0.05	0.01		-0.04	0.02		-0.03	0.04	
JBF2VE	0.16	-0.30	0.53	0.21	-0.21	0.82	0.21	-0.40	0.09	0.48	-0.77	0.92	0.30	0.27	0.86	
		-0.02	0.02		-0.02	0.02		-0.04	0.00		-0.09	0.04		0.03	0.03	
98UYZG	0.12	-0.83	0.75	0.18	-0.65	0.69	0.18	-0.62	0.68	0.48	-0.76	0.44	0.26	-0.19	2.54	
		-0.06	0.02		-0.05	0.02		-0.07	0.04		-0.09	0.02		-0.02	0.10	
RCXBZX	0.12	-0.76	0.27	0.22	-0.09	0.59	0.20	-0.47	0.16	0.54	-0.29	0.12	0.23	-0.47	0.25	
		-0.06	0.01		-0.01	0.01		-0.05	0.01		-0.03	0.00		-0.04	0.01	
HUC6ZA				0.23	0.02					0.62	0.37	1.23	0.24	-0.37	0.00	
					0.00	0.00					0.04	0.05		-0.04	0.00	
YTJ7GT				0.22	-0.11			0.09		0.78	1.78		0.30	0.26		
					-0.01	0.00		0.01	0.00		0.21	0.00		0.02	0.00	
YPJVKT							0.30	0.49	0.11	0.45	-1.09	0.14				
								0.05	0.01		-0.13	0.01				
WYZRCU	0.19	0.19	0.24	0.27	0.53	0.60	0.24	-0.09	0.17	0.61	0.28	0.14	0.26	-0.14	0.07	
		0.01	0.01		0.04	0.01		-0.01	0.01		0.03	0.01		-0.01	0.00	



ALP Program - Participant Web Summary Report - Cycle 29

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
BHL3GF										0.57	0.00	0.70	0.29	0.15	1.80
MZGWVZ	0.23	0.69	0.53	0.35	1.56	0.69	0.53	2.63	2.24	0.54	-0.26	2.20	0.26	-0.16	1.56
ZZZ3WM	0.29	0.05	0.02	0.35	0.12	0.02	0.27	0.28	0.12	0.89	-0.03	0.09	0.34	-0.02	0.06
PHEWWY	0.11	1.48		0.20	1.61		0.20	0.22		0.58	2.72		0.24	0.70	
J6NUD7	0.18	0.11	0.00	0.21	0.12	0.00	0.18	0.02	0.00	0.49	0.32	0.00	0.22	0.07	0.00
		-0.96			-0.35			-0.46			0.02			-0.39	
		-0.07	0.00		-0.03	0.00		-0.05	0.00		0.00	0.00		-0.04	0.00
		0.00			-0.24			-0.65			-0.72			-0.58	
		0.00	0.00		-0.02	0.00		-0.07	0.00		-0.08	0.00		-0.06	0.00
Grand Median		0.18			0.23			0.25			0.57			0.28	
Median Abs Dev		0.05			0.02			0.05			0.04			0.03	
Avg Within Lab SD		0.03			0.02			0.05			0.04			0.04	
Labs Included		21			23			23			25			24	
Labs Reporting		21			23			23			25			24	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 109)	in the Salinity Property Groups															Data units: value
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.12	-0.17	0.14	0.24	1.85	0.28	0.22	3.34	3.36	0.25	1.13	1.67	0.24	2.91	0.41	
		-0.01	0.00		0.10	0.00		0.12	0.07		0.05	0.02		0.11	0.01	
83L8FJ	0.16	0.60	2.83	0.14	0.00	1.96	0.10	-0.14	0.58	0.22	0.44	3.34	0.13	0.03	1.65	
		0.03	0.07		0.00	0.03		0.00	0.01		0.02	0.04		0.00	0.03	
644GFL	0.10	-0.55	1.60	0.12	-0.27	0.28	0.12	0.44	0.50	0.19	-0.35	0.56	0.17	1.08	0.32	
		-0.03	0.04		-0.01	0.00		0.02	0.01		-0.01	0.01		0.04	0.01	
2GK3BP	0.29	2.97	0.71	0.28	2.64	0.55	0.17	1.86	1.42	0.27	1.56	0.70	0.19	1.71	0.37	
		0.16	0.02		0.15	0.01		0.07	0.03		0.07	0.01		0.07	0.01	
FPNYC9	0.11	-0.37	1.18	0.15	0.20	0.86	0.10	0.00	0.49	0.21	0.31	0.46	0.13	0.15	0.00	
		-0.02	0.03		0.01	0.02		0.00	0.01		0.01	0.01		0.01	0.00	
FKH3T9	0.15	0.50	0.47	0.17	0.57	0.86	0.11	0.28	0.86	0.21	0.16	0.46	0.13	0.15	1.04	
		0.03	0.01		0.03	0.02		0.01	0.02		0.01	0.01		0.01	0.02	
QECBRZ	0.10	-0.50	0.00	0.17	0.57	3.27	0.10	0.00	0.00	0.20	0.00	0.00	0.17	1.10	2.99	
		-0.03	0.00		0.03	0.06		0.00	0.00		0.00	0.00		0.04	0.06	
6VACMK	0.19	1.18		0.14	0.08		0.10	0.00		0.19	-0.23		0.10	-0.64		
		0.06	0.00		0.00	0.00		0.00	0.00		-0.01	0.00		-0.02	0.00	
UNPG82				0.10	-0.65	0.00				0.20	0.00	0.00	0.10	-0.64		
					-0.04	0.00					0.00	0.00		-0.02	0.00	
JBF2VE	0.12	-0.19	0.47	0.12	-0.28	0.57	0.07	-0.74	0.29	0.17	-0.62	1.21	0.12	-0.03	0.79	
		-0.01	0.01		-0.02	0.01		-0.03	0.01		-0.03	0.02		0.00	0.02	
RCXBZX	0.09	-0.68	0.00	0.12	-0.34	0.33	0.07	-0.83	0.00	0.18	-0.47	0.00	0.10	-0.72	0.30	
		-0.04	0.00		-0.02	0.01		-0.03	0.00		-0.02	0.00		-0.03	0.01	
HUC6ZA				0.12	-0.28					0.20	0.00	1.38				
					-0.02	0.00					0.00	0.02				
YTJ7GT				0.12	-0.28					0.25	1.17		0.12	-0.11		
					-0.02	0.00					0.05	0.00		0.00	0.00	
YPJVKT							0.12	0.55		0.16	-0.94					
								0.02	0.00		-0.04	0.00				
WYZRCU	0.13	0.00	0.24	0.15	0.20	0.33	0.09	-0.38	0.19	0.20	0.08	0.46	0.11	-0.38	0.00	
		0.00	0.01		0.01	0.01		-0.01	0.00		0.00	0.01		-0.01	0.00	
BHL3GF										0.19	-0.31	0.46	0.12	-0.11	1.47	
											-0.01	0.01		0.00	0.03	
MZGWVZ	0.42	5.54	0.63	0.80	12.08	0.57	0.63	14.71	1.14	0.96	17.79	4.21	0.58	11.88	1.79	
		0.30	0.02		0.66	0.01		0.53	0.02		0.76	0.05		0.46	0.03	
ZZZ3WM	0.18	1.00		0.20	1.15		0.09	-0.25		0.25	1.12		0.13	0.15		
		0.05	0.00		0.06	0.00		-0.01	0.00		0.05	0.00		0.01	0.00	
PHEWWY				0.05	-1.63		0.08	-0.49		0.06	-3.23					
					-0.09	0.00		-0.02	0.00		-0.14	0.00				
J6NUD7	0.13	0.06		0.11	-0.46		0.07	-0.83		0.17	-0.70		0.09	-0.90		
		0.00	0.00		-0.03	0.00		-0.03	0.00		-0.03	0.00		-0.03	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		0.13			0.14			0.10			0.20			0.12	
Median Abs Dev		0.03			0.02			0.02			0.02			0.02	
Avg Within Lab SD		0.02			0.02			0.02			0.01			0.02	
Labs Included		13			17			15			19			16	
Labs Reporting		13			17			15			19			16	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 110)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.40	0.09	0.53	0.76	0.25	0.25	0.40	0.53	0.36	1.00	1.71	0.22	0.53	1.27	0.22	
		0.03	0.02		0.16	0.02		0.13	0.01		0.32	0.01		0.29	0.02	
GZ63WD	0.45	0.23	0.33	0.58	-0.05	0.25	0.30	0.13	1.11	0.67	-0.06	1.17	0.30	0.24	0.34	
		0.08	0.01		-0.03	0.02		0.03	0.03		-0.01	0.05		0.06	0.03	
83L8FJ	0.29	-0.20	1.63	0.40	-0.33	0.26	0.17	-0.40	1.29	0.53	-0.82	0.86	0.13	-0.50	0.22	
		-0.07	0.06		-0.21	0.02		-0.10	0.04		-0.15	0.03		-0.11	0.02	
644GFL	0.32	-0.12	0.39	0.56	-0.08	0.26	0.23	-0.15	0.29	0.69	0.05	0.58	0.19	-0.23	0.08	
		-0.05	0.01		-0.05	0.02		-0.04	0.01		0.01	0.02		-0.05	0.01	
PMCBR2	0.36	0.00	1.25	0.58	-0.05	0.41	0.19	-0.30	1.16	0.62	-0.34	0.75	0.19	-0.24	0.10	
		0.00	0.04		-0.03	0.03		-0.08	0.04		-0.06	0.03		-0.05	0.01	
2GK3BP	0.51	0.41	2.60	0.90	0.47	4.44	0.29	0.09	1.37	0.73	0.23	2.05	0.27	0.13	0.47	
		0.15	0.09		0.29	0.30		0.02	0.04		0.04	0.08		0.03	0.05	
33JQFQ	0.25	-0.31		0.45	-0.26	0.00	0.14	-0.51	0.00	0.51	-0.92	0.00	0.20	-0.20	0.00	
		-0.11	0.00		-0.16	0.00		-0.13	0.00		-0.17	0.00		-0.05	0.00	
XNBEWV	0.34	-0.07	0.57	0.60	-0.01	0.30	0.13	-0.53	0.18	0.74	0.29	0.15	0.16	-0.36	0.11	
		-0.02	0.02		-0.01	0.02		-0.13	0.01		0.05	0.01		-0.08	0.01	
FPNYC9	0.30	-0.18	0.49	0.48	-0.20	0.55	0.14	-0.52	0.18	0.55	-0.72	0.53	0.21	-0.16	0.54	
		-0.06	0.02		-0.13	0.04		-0.13	0.01		-0.14	0.02		-0.04	0.06	
FKH3T9	0.30	-0.17	0.72	0.51	-0.16	0.08	0.29	0.10	0.80	0.71	0.15	0.26	0.25	0.02	0.10	
		-0.06	0.03		-0.10	0.01		0.03	0.03		0.03	0.01		0.01	0.01	
QECBRZ	0.45	0.24	0.29	0.69	0.13	0.59	0.27	0.02	1.58	0.84	0.86	1.26	0.28	0.16	0.39	
		0.09	0.01		0.08	0.04		0.01	0.05		0.16	0.05		0.04	0.04	
UNPG82	0.33	-0.10	0.87	0.56	-0.08	0.73	0.06	-0.84	0.37	0.62	-0.33	1.35	0.02	-0.99	0.06	
		-0.04	0.03		-0.05	0.05		-0.21	0.01		-0.06	0.05		-0.22	0.01	
JBF2VE	0.34	-0.07	0.08	0.49	-0.19	0.91	0.16	-0.41	0.03	0.56	-0.67	0.41	0.20	-0.18	0.11	
		-0.02	0.00		-0.12	0.06		-0.10	0.00		-0.12	0.02		-0.04	0.01	
98UYZG	0.32	-0.12	0.21	0.61	0.01		0.16	-0.43	0.43	0.67	-0.05	1.16	0.34	0.42		
		-0.04	0.01		0.01	0.00		-0.11	0.01		-0.01	0.05		0.09	0.00	
RCXBZX	0.38	0.04	0.73	0.66	0.09	0.15	0.27	-0.01	1.05	0.80	0.61	0.13	0.25	0.04	0.11	
		0.01	0.03		0.05	0.01		0.00	0.03		0.11	0.00		0.01	0.01	
HUC6ZA	0.64	0.75	1.82	0.69	0.13	0.51				0.76	0.42	0.00				
		0.27	0.06		0.08	0.03					0.08	0.00				
YTJ7GT	0.44	0.21		0.67	0.10		0.27	0.01		0.90	1.16		0.24	-0.02		
		0.08	0.00		0.06	0.00		0.00	0.00		0.22	0.00		-0.01	0.00	
YPJVKT	0.32	-0.11	0.16	0.49	-0.19	0.00	0.44	0.68	0.00	0.57	-0.60	0.00	0.18	-0.27	0.06	
		-0.04	0.01		-0.12	0.00		0.17	0.00		-0.11	0.00		-0.06	0.01	
WYZRCU	0.59	0.62	1.43	0.80	0.30	0.26	0.33	0.24	0.79	0.91	1.23	2.35	0.29	0.21	0.12	
		0.22	0.05		0.19	0.02		0.06	0.02		0.23	0.09		0.05	0.01	
	0.66	0.83	1.53	0.90	0.47	0.31	0.35	0.31	1.09	0.95	1.46	1.77	0.30	0.23	0.09	
		0.30	0.05		0.29	0.02		0.08	0.03		0.27	0.07		0.05	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		
BHL3GF				0.64	0.06	1.13				0.80	0.63	0.44			
MZGWVZ	0.44	0.21	0.29	0.65	0.03	0.08	0.54	1.08	2.73	0.52	-0.88	1.47	0.38	0.60	4.56
K6MG64	0.36	-0.01	1.05	0.52	0.07	0.15	0.16	0.27	0.09	0.61	-0.17	0.06	0.18	0.14	0.47
PHEWWY	4.13	-0.01	0.04	8.29	-0.14	0.09	2.06	-0.44	0.81	0.38	-0.39	0.65	2.06	-0.30	0.40
J6NUD7	21.17	-0.01	0.01	23.60	-0.08	0.01	18.23	-0.11	0.03	29.86	-0.07	0.03	16.73	-0.07	0.04
		10.42	0.17		12.38	0.14		7.12	1.05		-1.59	0.05		8.06	0.26
		3.77	0.01		7.69	0.01		1.80	0.03		-0.30	0.00		1.81	0.03
		57.51	123.05		37.05	13.82		71.18	14.25		155.79	29.04		73.31	2.69
		20.80	4.31		22.99	0.95		17.96	0.45		29.17	1.14		16.48	0.28
Grand Median		0.36			0.61			0.27			0.68			0.25	
Median Abs Dev		0.06			0.08			0.10			0.12			0.05	
Avg Within Lab SD		0.03			0.07			0.03			0.04			0.10	
Labs Included		23			24			22			24			22	
Labs Reporting		23			24			22			24			22	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 111)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.45	1.05	0.29	1.10	1.28	0.97	0.23	0.00	0.48	2.48	0.80	0.01	0.29	0.00	1.67	
		0.12	0.01		0.25	0.03		0.00	0.01		0.41	0.00		0.00	0.06	
GZ63WD	0.32	-0.09	1.40	0.72	-0.61	1.13	0.26	0.31	1.29	1.76	-0.61	1.27	0.27	-0.18	0.46	
		-0.01	0.04		-0.12	0.04		0.03	0.03		-0.31	0.10		-0.02	0.02	
83L8FJ	0.38	0.41	1.77	0.81	-0.17	0.47	0.27	0.45	0.40	2.15	0.16	2.10	0.30	0.09	0.11	
		0.05	0.06		-0.03	0.02		0.04	0.01		0.08	0.16		0.01	0.00	
644GFL	0.23	-0.84	0.41	0.75	-0.49	0.77	0.33	1.09	0.71	2.12	0.09	1.34	0.43	1.52	0.45	
		-0.10	0.01		-0.10	0.03		0.10	0.02		0.05	0.10		0.14	0.02	
PMCBR2	0.35	0.15	1.36	0.86	0.07	1.49	0.36	1.45	1.48	2.03	-0.08	0.89	0.44	1.63	0.65	
		0.02	0.04		0.01	0.05		0.13	0.04		-0.04	0.07		0.15	0.02	
2GK3BP	0.56	2.01	1.51	1.09	1.22	2.11	0.41	2.03	1.71	2.21	0.27	2.32	0.47	1.98	1.25	
		0.23	0.05		0.24	0.08		0.18	0.04		0.14	0.18		0.19	0.05	
33JQFQ	0.65	2.75	0.00	0.44	-2.04	0.00	0.94	8.16	0.00	0.25	-3.57		2.19	20.21	0.00	
		0.32	0.00		-0.41	0.00		0.71	0.00		-1.82	0.00		1.90	0.00	
XNBEWV	0.34	0.06	0.49	0.85	0.04	0.64	0.26	0.31	0.24	1.67	-0.78	0.35	0.31	0.21	0.55	
		0.01	0.02		0.01	0.02		0.03	0.01		-0.40	0.03		0.02	0.02	
FPNYC9	0.22	-0.95	2.24	0.57	-1.39	0.84	0.18	-0.54	1.36	1.78	-0.56	0.66	0.20	-0.89	0.40	
		-0.11	0.07		-0.28	0.03		-0.05	0.03		-0.29	0.05		-0.08	0.02	
FKH3T9	0.43	0.86	1.92	0.92	0.36	0.32	0.30	0.77	3.05	2.10	0.07	0.28	0.31	0.21	0.40	
		0.10	0.06		0.07	0.01		0.07	0.07		0.03	0.02		0.02	0.02	
WGX7VT	0.38	0.46	0.92	0.86	0.08	0.28	0.27	0.46	0.42	2.16	0.17	0.43	0.32	0.38	0.31	
		0.05	0.03		0.02	0.01		0.04	0.01		0.09	0.03		0.04	0.01	
QECBRZ	0.37	0.32	0.67	0.99	0.73	0.28	0.22	-0.15	0.24	2.67	1.18	0.35	0.28	-0.08	0.53	
		0.04	0.02		0.15	0.01		-0.01	0.01		0.60	0.03		-0.01	0.02	
UNPG82	0.31	-0.17	0.64	0.84	-0.03	0.74	0.16	-0.80	0.42	1.97	-0.20	0.48	0.22	-0.75	0.40	
		-0.02	0.02		-0.01	0.03		-0.07	0.01		-0.10	0.04		-0.07	0.02	
JBF2VE	0.29	-0.37	0.19	0.65	-0.97	2.89	0.16	-0.80	0.28	1.72	-0.68	0.39	0.30	0.10	0.45	
		-0.04	0.01		-0.19	0.10		-0.07	0.01		-0.35	0.03		0.01	0.02	
98UYZG	0.09	-2.07	0.24	0.34	-2.54	0.25	0.09	-1.58	0.14	0.91	-2.28	0.71	0.10	-1.99	0.32	
		-0.24	0.01		-0.50	0.01		-0.14	0.00		-1.16	0.05		-0.19	0.01	
RCXBZX	0.29	-0.33	0.17	0.86	0.06	0.41	0.22	-0.12	0.91	2.10	0.05	0.48	0.26	-0.27	0.36	
		-0.04	0.01		0.01	0.01		-0.01	0.02		0.03	0.04		-0.03	0.01	
HUC6ZA	0.32	-0.06	0.49	0.85	0.03	0.48	0.15	-0.88	0.49	2.04	-0.05	1.08	0.22	-0.72	0.26	
		-0.01	0.02		0.01	0.02		-0.08	0.01		-0.03	0.08		-0.07	0.01	
YTJ7GT	0.38	0.43		0.88	0.18		0.24	0.12		2.46	0.76		0.29	0.03		
		0.05	0.00		0.04	0.00		0.01	0.00		0.39	0.00		0.00	0.00	
YPJVKT	0.23	-0.86	0.00	0.68	-0.85	0.16	0.24	0.15	0.24	2.00	-0.14		0.22	-0.72	0.00	
		-0.10	0.00		-0.17	0.01		0.01	0.01		-0.07	0.00		-0.07	0.00	
WYZRCU	0.25	-0.66	0.19	0.84	-0.03	0.33	0.17	-0.68	0.19	2.65	1.14	1.18	0.22	-0.77	0.17	
		-0.08	0.01		-0.01	0.01		-0.06	0.00		0.58	0.09		-0.07	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		
BHL3GF	0.45	1.03	1.16	0.90	0.29	1.16	0.23	0.00	1.12	2.46	0.76	1.83	0.41	1.27	3.76
		0.12	0.04		0.06	0.04		0.00	0.03		0.39	0.14		0.12	0.14
MZGWVZ	0.15	-1.55	0.32	0.23	-3.12	0.16	0.11	-1.38	0.42	0.22	-3.62	0.13			
		-0.18	0.01		-0.62	0.01		-0.12	0.01		-1.85	0.01			
PHEWWY	0.35	0.13		0.91	0.30		0.16	-0.78		2.27	0.38		0.25	-0.39	
		0.02	0.00		0.06	0.00		-0.07	0.00		0.20	0.00		-0.04	0.00
Grand Median		0.33			0.85			0.23			2.07			0.29	
Median Abs Dev		0.05			0.07			0.05			0.24			0.04	
Avg Within Lab SD		0.03			0.04			0.02			0.08			0.04	
Labs Included		22			22			22			22			21	
Labs Reporting		22			22			22			22			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		

NO3 - sp (SubTestCode 112)	in the Salinity Property Groups															Data units: mmolc/L	
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
YAA32W	0.01	-0.79	0.05	0.03	-1.11	0.01	17.67	0.64	0.79	17.53	0.31	1.54	13.60	0.12	0.17		
		-0.36	0.00		-2.72	0.00		1.53	0.72		1.16	0.74		0.40	0.08		
644GFL	0.37	0.00	0.16	3.12	0.15	0.49	17.23	0.46	0.60	16.08	-0.08	0.96	13.50	0.09	0.72		
		0.00	0.01		0.37	0.08		1.10	0.55		-0.29	0.46		0.30	0.34		
2GK3BP	1.40	2.32	2.43	4.37	0.66	1.10	15.57	-0.24	0.71	17.37	0.26	1.74	12.90	-0.09	0.76		
		1.04	0.14		1.62	0.18		-0.57	0.65		1.00	0.83		-0.30	0.36		
33JQFQ	0.19	-0.39	0.00	0.50	-0.92		15.15	-0.41	0.00	16.65	0.08	0.00	12.29	-0.26	0.00		
		-0.17	0.00		-2.25	0.00		-0.99	0.00		0.29	0.00		-0.91	0.00		
FPNYC9				0.10	-1.09	0.15	5.57	-4.40	0.36	6.29	-2.66	0.63	5.16	-2.34	0.31		
					-2.65	0.03		-10.56	0.33		-10.07	0.30		-8.04	0.15		
FKH3T9	0.49	0.27	1.34	3.34	0.24	0.20	16.91	0.32	0.16	15.37	-0.26	0.40	12.29	-0.26	2.55		
		0.12	0.08		0.59	0.03		0.77	0.15		-0.99	0.19		-0.91	1.21		
JBF2VE	0.36	0.00	0.32	2.38	-0.15	1.15	13.88	-0.94	0.40	12.15	-1.11	1.23	10.61	-0.75	0.46		
		0.00	0.02		-0.37	0.19		-2.25	0.36		-4.22	0.59		-2.58	0.22		
98UYZG	0.52	0.34	0.61	3.19	0.18	0.14	15.76	-0.16	0.30	15.30	-0.28	1.18	11.93	-0.37	0.50		
		0.15	0.03		0.44	0.02		-0.38	0.28		-1.07	0.56		-1.27	0.24		
RCXBZX	0.62	0.57	0.89	3.87	0.46	0.66	18.76	1.10	0.52	18.76	0.63	0.63	14.48	0.37	0.33		
		0.26	0.05		1.12	0.11		2.63	0.48		2.40	0.30		1.28	0.16		
HUC6ZA	0.74	0.84	0.78	3.89	0.47	0.68	16.98	0.35	0.32	17.91	0.41	0.08	14.62	0.41	0.48		
		0.38	0.04		1.14	0.11		0.84	0.29		1.54	0.04		1.42	0.23		
YTJ7GT	0.11	-0.57		2.16	-0.24		17.40	0.53		18.90	0.67		14.70	0.44			
		-0.25	0.00		-0.59	0.00		1.26	0.00		2.54	0.00		1.50	0.00		
YPJVKT				1.31	-0.59	0.00	14.74	-0.58	0.36	13.38	-0.79	0.69	11.86	-0.39	0.52		
					-1.44	0.00		-1.40	0.33		-2.98	0.33		-1.34	0.25		
WYZRCU	0.15	-0.47	0.27	0.37	-0.97	0.34	16.31	0.07	0.97	16.65	0.08	1.22	13.50	0.09	0.91		
		-0.21	0.01		-2.38	0.05		0.17	0.88		0.29	0.58		0.30	0.43		
BHL3GF	0.05	-0.70	0.18	1.17	-0.65	2.87	17.07	0.39	0.77	17.90	0.41	1.82	15.43	0.65	1.00		
		-0.32	0.01		-1.58	0.47		0.93	0.70		1.54	0.87		2.23	0.47		
MZGWVZ	0.34	-0.06	0.18	8.50	2.36	0.06	15.80	-0.14	0.79	6.63	-2.57	0.32	0.56	-3.67	0.13		
		-0.02	0.01		5.75	0.01		-0.34	0.72		-9.73	0.15		-12.64	0.06		
PHEWWY	1.31	2.12	2.06	4.05	0.53	1.97	15.96	-0.07	3.38	15.63	-0.19	0.67	14.90	0.50	2.32		
		0.95	0.12		1.30	0.32		-0.17	3.09		-0.73	0.32		1.71	1.10		
Grand Median		0.36			2.75			16.1			16.4			13.2			
Median Abs Dev		0.23			1.37			1.0			1.4			1.3			
Avg Within Lab SD		0.06			0.16			0.9			0.5			0.5			
Labs Included		14			16			16			16			16			
Labs Reporting		14			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 113)	in the Salinity Property Groups														Data units: mg/L
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
YAA32W	0.072	0.774	1.237	0.086	0.313	0.711	0.108	0.283	0.423	0.104	0.580	0.639	0.032	0.000	0.456
		0.015	0.008		0.008	0.005		0.008	0.003		0.015	0.004		0.000	0.004
GZ63WD	0.057	0.000	0.893	0.067	-0.458	0.912	0.097	-0.118	0.814	0.080	-0.333	1.598	0.027	-0.290	0.752
		0.000	0.006		-0.011	0.006		-0.003	0.006		-0.009	0.010		-0.005	0.006
644GFL	0.067	0.525	0.794	0.111	1.358	1.115	0.141	1.454	1.201	0.117	1.085	0.792	0.040	0.490	0.595
		0.010	0.005		0.033	0.007		0.041	0.009		0.029	0.005		0.008	0.005
2GK3BP	0.083	1.347	2.362	0.083	0.225	0.912	0.100	0.000	1.410	0.090	0.048	1.598	0.037	0.310	0.752
		0.027	0.015		0.005	0.006		0.000	0.010		0.001	0.010		0.005	0.006
33JQFQ	0.057	0.000	0.893	0.070	-0.322	0.000	0.100	0.000	0.000	0.080	-0.333	0.000	0.020	-0.690	0.000
		0.000	0.006		-0.008	0.000		0.000	0.000		-0.009	0.000		-0.012	0.000
XNBEWV	0.080	1.178	0.000	0.090	0.498	0.000	0.117	0.590	0.814	0.090	0.048	0.000	0.020	-0.690	0.000
		0.023	0.000		0.012	0.000		0.017	0.006		0.001	0.000		-0.012	0.000
FKH3T9	0.053	-0.182	0.337	0.082	0.171	1.094	0.118	0.635	1.645	0.090	0.029	0.181	0.032	0.054	0.081
		-0.004	0.002		0.004	0.007		0.018	0.012		0.001	0.001		0.001	0.001
WGX7VT	0.047	-0.505	0.893	0.046	-1.305	0.836	0.080	-0.696	0.777	0.061	-1.069	0.185	0.048	1.009	0.376
		-0.010	0.006		-0.032	0.005		-0.020	0.006		-0.028	0.001		0.017	0.003
QECBRZ	0.113	2.862	0.893	0.113	1.454	2.412	0.150	1.770	1.410	0.127	1.443	1.845	0.053	1.309	1.504
		0.057	0.006		0.035	0.015		0.050	0.010		0.038	0.012		0.022	0.012
UNPG82	0.055	-0.067	0.778	0.083	0.225	0.912	0.117	0.590	0.814	0.092	0.111	0.461	0.017	-0.849	0.301
		-0.001	0.005		0.005	0.006		0.017	0.006		0.003	0.003		-0.014	0.002
4JGF2L	0.050	-0.334	0.851	0.050	-1.139	0.869	0.053	-1.656	1.556	0.019	-2.664	0.037			
		-0.007	0.006		-0.028	0.006		-0.047	0.011		-0.070	0.000			
RCXBZX	0.044	-0.657	0.794	0.074	-0.171	0.795	0.094	-0.201	0.651	0.088	-0.029	1.964	0.003	-1.729	2.609
		-0.013	0.005		-0.004	0.005		-0.006	0.005		-0.001	0.012		-0.029	0.020
YPJVKT	0.050	-0.337		0.062	-0.663	0.810	0.077	-0.814	0.508	0.071	-0.663	0.561			
		-0.007	0.000		-0.016	0.005		-0.023	0.004		-0.017	0.004			
MZGWVZ	0.343	14.477	1.786	0.347	11.013	2.412	0.327	8.026	0.814	0.377	10.955	26.468	0.290	15.500	6.892
		0.287	0.012		0.269	0.015		0.227	0.006		0.288	0.166		0.259	0.053
PHEWWY				0.050	-1.141		0.082	-0.635		0.062	-1.010				
					-0.028	0.000		-0.018	0.000		-0.027	0.000			
Grand Median		0.057			0.078			0.10			0.089			0.032	
Median Abs Dev		0.010			0.012			0.02			0.012			0.012	
Avg Within Lab SD		0.006			0.006			0.01			0.006			0.008	
Labs Included		13			14			14			14			11	
Labs Reporting		13			14			14			14			11	



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

Soil EC (1:1) (SubTestCode 114)			in the Soil pH & EC Property Groups												Data units: dS/m	
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
AAUKBK	0.21	-0.47 -0.09 -0.08	0.50 0.01 0.77	0.32	0.07 0.01 -0.07	0.85 0.02 0.85	0.75	1.43 0.27 -0.32	0.51 0.01 1.35	0.90	1.11 0.19 0.00	0.34 0.01 0.34	0.39	0.74 0.08 -0.95	0.43 0.01 0.86	
GZ63WD	0.28	-0.02 0.22	0.02 0.50	0.31	-0.01 0.07	0.02 0.64	0.42	-0.06 0.39	0.03 0.78	0.70	0.00 -0.02	0.01 0.78	0.20	-0.11 -0.36	0.02 0.49	
83L8FJ	0.34	0.04 0.00	0.01 0.38	0.32	0.01 0.00	0.01 0.42	0.55	0.07 0.26	0.02 1.39	0.70	0.00 -0.06	0.03 0.00	0.27	-0.04 0.01	0.01 0.32	
BFZE6F	0.30	0.00 0.15	0.01 2.53	0.31	0.00 1.76	0.01 0.85	0.53	0.05 1.50	0.03 0.30	0.69	-0.01 1.68	0.00 0.62	0.31	0.00 0.50	0.01 0.25	
644GFL	0.33	0.03 0.13	0.05 0.29	0.43	0.12 0.46	0.02 0.32	0.76	0.28 -0.56	0.01 0.78	1.00	0.29 0.13	0.02 0.17	0.36	0.06 0.92	0.01 0.43	
2GK3BP	0.32	0.02 -0.34	0.01 0.29	0.34	0.03 -0.75	0.01 0.56	0.37	-0.11 -0.19	0.02 0.78	0.73	0.02 -0.40	0.01 0.17	0.41	0.10 -0.33	0.01 0.00	
33JQFQ	0.23	-0.07 0.85	0.01 1.03	0.26	-0.05 0.95	0.01 0.90	0.44	-0.04 -0.14	0.02 1.36	0.63	-0.07 0.74	0.01 1.87	0.27	-0.04 0.48	0.00 0.11	
6BMKMN	0.46	0.16 0.06	0.02 0.50	0.38	0.07 -0.55	0.02 0.32	0.45	-0.03 -0.23	0.03 0.30	0.83	0.13 -0.40	0.06 0.17	0.36	0.05 -1.13	0.00 0.43	
F92H9C	0.31	0.01 -0.29	0.01 1.31	0.27	-0.04 -1.60	0.01 2.83	0.44	-0.04 -1.05	0.01 0.89	0.63	-0.07 -1.46	0.01 2.39	0.18	-0.13 -1.41	0.01 1.08	
PFR9KY	0.24	-0.06 -0.05	0.03 0.00	0.20	-0.11 0.41	0.05 0.96	0.28	-0.20 -0.18	0.02 0.78	0.45	-0.25 -0.17	0.08 0.85	0.15	-0.16 -0.95	0.03 0.00	
K8VMR6	0.29	-0.01 -0.75	0.00 0.08	0.34	0.03 -0.92	0.02 0.18	0.45	-0.03 0.19	0.02 0.63	0.67	-0.03 -0.47	0.03 0.02	0.20	-0.11 -0.40	0.00 0.03	
FKH3T9	0.16	-0.14 0.15	0.00 0.58	0.25	-0.06 -0.02	0.00 0.96	0.52	0.04 0.30	0.01 0.78	0.62	-0.08 0.32	0.00 0.78	0.26	-0.04 -1.04	0.00 1.54	
6VACMK	0.33	0.03 0.20	0.01 1.05	0.31	0.00 0.84	0.02 0.96	0.54	0.06 1.52	0.02 1.18	0.76	0.06 0.29	0.03 1.04	0.19	-0.12 0.95	0.04 0.65	
BMDAYP	0.34	0.04 -0.34	0.02 0.54	0.37	0.06 -0.39	0.02 1.23	0.77	0.29 0.46	0.02 0.36	0.75	0.05 1.00	0.04 0.72	0.41	0.11 1.40	0.02 0.23	
T84DB7	0.23	-0.06 0.06	0.01 0.50	0.28	-0.03 -0.41	0.02 0.32	0.57	0.09 -0.14	0.01 0.30	0.88	0.18 -0.13	0.02 0.00	0.46	0.16 -0.36	0.01 0.25	
CJDKVM	0.31	0.01 -0.48	0.01 0.29	0.28	-0.03 0.41	0.01 0.56	0.45	-0.03 1.53	0.01 0.00	0.68	-0.02 1.56	0.00 0.68	0.27	-0.04 0.77	0.01 0.25	
JBF2VE	0.21	-0.09 0.02	0.01 0.29	0.34	0.03 0.26	0.01 0.00	0.77	0.29 0.88	0.00 0.78	0.98	0.27 0.34	0.02 0.74	0.39	0.09 0.36	0.01 0.99	
PWR8L8	0.30	0.00 -0.02	0.01 0.58	0.33	0.02 0.19	0.00 0.53	0.65	0.17 -0.90	0.02 0.61	0.76	0.06 0.09	0.03 0.50	0.35	0.04 -0.96	0.02 0.35	
VBVLAX	0.30	0.00 -1.05	0.01 0.00	0.33	0.01 -1.61	0.01 0.00	0.31	-0.17 -0.95	0.01 0.00	0.72	0.02 -1.74	0.02 0.00	0.20	-0.11 -0.95	0.01 0.00	
TBLXV2	0.10	-0.20	0.00	0.20	-0.11	0.00	0.30	-0.18	0.00	0.40	-0.30	0.00	0.20	-0.11	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		
3BBBBQ	0.30	0.01	0.00	0.30	-0.17	0.00	0.40	-0.42	0.00	0.60	-0.59	0.00	0.27	-0.36	2.47
		0.00	0.00		-0.01	0.00		-0.08	0.00		-0.10	0.00		-0.04	0.06
LVRZT6	0.10	-1.05	0.00	0.10	-3.06	0.00	0.50	0.11		0.57	-0.78	1.71	0.27	-0.36	2.47
		-0.20	0.00		-0.21	0.00		0.02	0.00		-0.14	0.06		-0.04	0.06
RCXBZX	0.14	-0.82	0.21	0.25	-0.94	3.12	0.25	-1.21	1.17	0.13	-3.25	0.67	0.17	-1.25	0.67
		-0.16	0.00		-0.07	0.06		-0.23	0.02		-0.57	0.02		-0.14	0.02
MZGWVZ	0.32	0.09	1.16	0.31	-0.07	0.64	0.48	0.00	3.58	0.63	-0.42	1.29	0.31	0.00	0.25
		0.02	0.02		-0.01	0.01		0.00	0.07		-0.07	0.04		0.00	0.01
K6MG64	0.20	-0.52	0.00	0.35	0.51	0.32	0.78	1.59	0.00	1.00	1.70	0.30	0.39	0.71	0.65
		-0.10	0.00		0.04	0.01		0.30	0.00		0.30	0.01		0.08	0.02
C8H8XB	0.29	-0.06	2.03	0.35	0.55	0.56	0.69	1.09	0.78	0.64	-0.36	1.56	0.35	0.36	1.31
		-0.01	0.04		0.04	0.01		0.21	0.02		-0.06	0.05		0.04	0.03
XYFCWR	0.34	0.21	0.14	0.37	0.81	0.11	0.34	-0.74	0.20	0.71	0.04	0.05	0.34	0.30	0.27
		0.04	0.00		0.06	0.00		-0.14	0.00		0.01	0.00		0.03	0.01
VNJNRP	2.25	10.27		0.27	-0.60		0.62	0.71		0.74	0.23		0.35	0.38	
		1.95	0.00		-0.04	0.00		0.14	0.00		0.04	0.00		0.04	0.00
DYXQH7	0.46	0.83	3.18	0.39	1.11	1.15	0.37	-0.56	1.13	0.72	0.07	2.59	0.41	0.91	2.68
		0.16	0.06		0.08	0.02		-0.11	0.02		0.01	0.09		0.10	0.06
Grand Median		0.30			0.31			0.48			0.70			0.31	
Median Abs Dev		0.04			0.04			0.11			0.07			0.08	
Avg Within Lab SD		0.02			0.02			0.02			0.03			0.02	
Labs Included		29			29			29			29			29	
Labs Reporting		29			29			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	Sample Mean	Z Score	k Score	Sample Mean	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 115)	in the Soil pH & EC Property Groups															Data units: dS/m
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
83L8FJ	0.25	0.28	1.00	0.23	0.53	0.98	0.36	-0.24	0.63	0.56	0.23	0.45	0.14	-0.93	0.79	
		0.09	0.01		0.04	0.01		-0.03	0.01		0.03	0.02		-0.06	0.01	
644GFL	0.21	0.15	0.50	0.27	1.16	0.57	0.43	0.29	0.96	0.58	0.41	0.30	0.20	0.00	0.46	
		0.05	0.01		0.08	0.01		0.04	0.02		0.05	0.01		0.00	0.01	
33JQFQ	0.17	0.03	0.50	0.18	-0.19	0.98	0.32	-0.53	1.31	0.40	-0.97	2.07	0.17	-0.44	0.00	
		0.01	0.01		-0.01	0.01		-0.07	0.02		-0.13	0.07		-0.03	0.00	
9JP2MJ	0.28	0.37	0.86	0.32	1.89	1.50	0.72	2.61	1.26	0.94	3.18	0.95	0.39	3.12	1.21	
		0.12	0.01		0.13	0.02		0.33	0.02		0.42	0.03		0.19	0.02	
PFR9KY	0.16	-0.01	1.50	0.17	-0.34	0.98	0.28	-0.87	1.09	0.45	-0.61	2.39	0.15	-0.82	1.99	
		0.00	0.02		-0.02	0.01		-0.11	0.02		-0.08	0.08		-0.05	0.03	
XWTMKR	0.13	-0.10	0.13	0.18	-0.18	0.06	0.41	0.13	0.04	0.53	0.00	0.09	0.20	0.10	0.05	
		-0.03	0.00		-0.01	0.00		0.02	0.00		0.00	0.00		0.01	0.00	
FKH3T9	0.11	-0.18	0.10	0.14	-0.71	0.36	0.32	-0.58	0.32	0.42	-0.80	0.03	0.16	-0.68	0.43	
		-0.06	0.00		-0.05	0.00		-0.07	0.01		-0.10	0.00		-0.04	0.01	
YKBCLZ	0.13	-0.10	0.00	0.18	-0.16	0.00	0.42	0.20	0.00	0.52	-0.08	0.00	0.20	0.05	0.00	
		-0.03	0.00		-0.01	0.00		0.03	0.00		-0.01	0.00		0.00	0.00	
RMZ998	0.13	-0.09	0.92	0.16	-0.50	0.86	0.20	-1.47	0.35	0.41	-0.86	1.01	0.14	-0.92	0.33	
		-0.03	0.01		-0.03	0.01		-0.19	0.01		-0.11	0.03		-0.06	0.00	
LZMPAC	0.14	-0.09	0.50	0.15	-0.63	0.00	0.29	-0.79	0.63	0.46	-0.51	0.30	0.20	0.05	0.79	
		-0.03	0.01		-0.04	0.00		-0.10	0.01		-0.07	0.01		0.00	0.01	
GAPFPH	0.23	0.20	0.15	0.20	0.05	0.30	0.19	-1.60	0.10	0.42	-0.81	0.16	0.11	-1.41	0.37	
		0.06	0.00		0.00	0.00		-0.20	0.00		-0.11	0.01		-0.09	0.00	
TNQUE3	0.19	0.08	0.00	0.24	0.68	1.70	0.44	0.37	0.96	0.65	0.94	0.30	0.30	1.75	0.46	
		0.03	0.00		0.05	0.02		0.05	0.02		0.12	0.01		0.11	0.01	
JBF2VE	0.14	-0.08	0.00	0.19	0.00	0.57	0.42	0.21	0.36	0.53	0.00	0.17	0.21	0.16	0.46	
		-0.02	0.00		0.00	0.01		0.03	0.01		0.00	0.01		0.01	0.01	
6B3QZT	0.21	0.13	0.70	0.28	1.30	0.73	0.43	0.34	0.10	0.57	0.36	0.15	0.19	-0.04	0.29	
		0.04	0.01		0.09	0.01		0.04	0.00		0.05	0.00		0.00	0.00	
CPEWRJ	2.73	8.13	3.06	3.25	44.53	12.28	5.52	40.60	3.79	7.42	52.54	0.30	2.47	37.30	5.03	
		2.56	0.04		3.06	0.13		5.13	0.06		6.89	0.01		2.27	0.06	
AM2DUK	0.18	0.03	1.25	0.18	-0.23	1.82	0.34	-0.40	0.98	0.44	-0.64	0.63	0.19	-0.15	1.11	
		0.01	0.01		-0.02	0.02		-0.05	0.02		-0.08	0.02		-0.01	0.01	
XHNEVW	0.16	-0.01	0.00	0.22	0.34	0.25	0.43	0.35	0.06	0.56	0.24	0.22	0.21	0.19	0.09	
		0.00	0.00		0.02	0.00		0.04	0.00		0.03	0.01		0.01	0.00	
LVRZT6	5.00	15.35														
		4.84	0.00													
RCXBZX	0.13	-0.10	0.15	0.17	-0.34	1.18	0.21	-1.46	0.98	0.35	-1.35	1.65	0.15	-0.80	1.67	
		-0.03	0.00		-0.02	0.01		-0.18	0.02		-0.18	0.06		-0.05	0.02	
HUC6ZA	0.14	-0.09	0.35	0.18	-0.24	0.15	0.39	0.00	0.13	0.54	0.11	0.68	0.19	-0.06	0.27	
		-0.03	0.00		-0.02	0.00		0.00	0.00		0.02	0.02		0.00	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
YTJ7GT	0.15	-0.04		0.14	-0.73		0.32	-0.54		0.46	-0.55		0.25	0.84	
		-0.01	0.00		-0.05	0.00		-0.07	0.00		-0.07	0.00		0.05	0.00
BHL3GF	0.17	0.01	0.17	0.22	0.43	0.45	0.42	0.27	0.95	0.54	0.09	0.23	0.21	0.27	0.55
		0.00	0.00		0.03	0.00		0.03	0.02		0.01	0.01		0.02	0.01
4KCY3M	0.28	0.37	1.50	0.27	1.16	1.50	0.27	-0.98	1.31	0.55	0.15	0.85	0.12	-1.20	3.30
		0.12	0.02		0.08	0.02		-0.12	0.02		0.02	0.03		-0.07	0.04
K6MG64	0.15	-0.06	0.50	0.21	0.19	0.57	0.43	0.29	0.36	0.53	0.05	0.17	0.21	0.27	0.46
		-0.02	0.01		0.01	0.01		0.04	0.01		0.01	0.01		0.02	0.01
7CWYLG	0.27	0.33	3.76	0.32	1.84	2.60	0.51	0.92	2.55	0.58	0.43	0.95	0.34	2.35	1.58
		0.11	0.04		0.13	0.03		0.12	0.04		0.06	0.03		0.14	0.02
DM76CB	0.12	-0.13	1.80	0.14	-0.73	1.50	0.35	-0.29	2.85	0.38	-1.09	3.02	0.18	-0.33	0.91
		-0.04	0.02		-0.05	0.02		-0.04	0.05		-0.14	0.10		-0.02	0.01
PHEWWY	0.08	-0.27		0.06	-1.97		0.18	-1.70		0.10	-3.27		0.13	-1.06	
		-0.08	0.00		-0.14	0.00		-0.21	0.00		-0.43	0.00		-0.06	0.00
X3EMTR	0.19	0.08	0.25	0.24	0.69	0.17	0.42	0.26	0.07	0.54	0.12	0.05	0.20	0.09	0.12
		0.02	0.00		0.05	0.00		0.03	0.00		0.02	0.00		0.01	0.00
F4R897	0.20	0.13	0.48	0.26	0.97	0.46	0.46	0.53	0.35	0.58	0.37	0.14	0.20	0.10	0.57
		0.04	0.01		0.07	0.00		0.07	0.01		0.05	0.00		0.01	0.01
Grand Median		0.16			0.19			0.39			0.53			0.20	
Median Abs Dev		0.03			0.04			0.05			0.06			0.02	
Avg Within Lab SD		0.01			0.01			0.02			0.03			0.01	
Labs Included		28			27			27			27			27	
Labs Reporting		28			27			27			27			27	



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

	pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			Data units: Unit
YAA32W	8.10	0.67	0.00	7.67	0.35	1.22	5.73	0.24	0.99	5.63	0.91	1.37	4.70	0.58	1.38	
		0.13	0.00		0.06	0.06		0.03	0.06		0.13	0.06		0.10	0.10	
AAUKBK	8.00	0.15	0.18	7.61	0.02	0.24	5.70	0.00	0.90	5.55	0.30	1.19	4.66	0.38	0.78	
		0.03	0.01		0.00	0.01		0.00	0.05		0.04	0.05		0.07	0.06	
GZ63WD	7.71	-1.34	0.70	7.26	-2.19	0.88	5.45	-1.79	0.84	5.33	-1.29	1.09	4.35	-1.37	0.78	
		-0.26	0.04		-0.35	0.04		-0.25	0.05		-0.18	0.05		-0.24	0.06	
HRQGNA	7.93	-0.19	2.69	7.63	0.14	1.22	5.67	-0.24	0.99	5.53	0.18	1.37	4.77	0.96	0.79	
		-0.04	0.15		0.02	0.06		-0.03	0.06		0.03	0.06		0.17	0.06	
P9QWN3	8.20	1.19	0.00	7.87	1.59	1.22	5.73	0.24	0.99	5.50	-0.06		4.47	-0.73	0.79	
		0.23	0.00		0.26	0.06		0.03	0.06		-0.01	0.00		-0.13	0.06	
83L8FJ	8.01	0.22	0.44	7.61	0.00	0.56	5.80	0.73	0.51	5.65	1.03	0.41	4.69	0.54	0.40	
		0.04	0.03		0.00	0.03		0.10	0.03		0.14	0.02		0.10	0.03	
BFZE6F	8.18	1.07	0.18	7.73	0.75	0.13	5.60	-0.75	0.71	5.41	-0.68	0.14	4.61	0.06	0.71	
		0.21	0.01		0.12	0.01		-0.10	0.04		-0.09	0.01		0.01	0.05	
GBLMGA	8.10	0.67	0.00	7.70	0.56	0.00	5.77	0.49	0.99	5.50	-0.06		4.67	0.39	0.79	
		0.13	0.00		0.09	0.00		0.07	0.06		-0.01	0.00		0.07	0.06	
644GFL	7.90	-0.34	0.44	7.57	-0.27	0.12	5.77	0.53	0.20	5.63	0.88	0.24	4.75	0.88	0.29	
		-0.07	0.03		-0.04	0.01		0.07	0.01		0.12	0.01		0.16	0.02	
2GK3BP	8.01	0.22	0.62	7.63	0.14	0.88	5.64	-0.41	0.79	5.51	0.04	1.07	4.57	-0.13	0.68	
		0.04	0.04		0.02	0.04		-0.06	0.05		0.01	0.05		-0.02	0.05	
37H3CQ	8.01	0.22	0.44	7.64	0.21	0.24	5.71	0.07	0.30	5.49	-0.13	0.47	4.74	0.79	0.42	
		0.04	0.03		0.03	0.01		0.01	0.02		-0.02	0.02		0.14	0.03	
33JQFQ	8.00	0.17	0.54	7.66	0.29	0.24	5.59	-0.78	0.52	5.48	-0.23	0.36	4.49	-0.60	0.14	
		0.03	0.03		0.05	0.01		-0.11	0.03		-0.03	0.02		-0.11	0.01	
LM4ZL8	7.78	-0.96	0.54	7.54	-0.41	0.44	5.75	0.36	0.34	5.61	0.71	0.76	4.71	0.66	0.29	
		-0.19	0.03		-0.07	0.02		0.05	0.02		0.10	0.03		0.12	0.02	
6BMKMN	7.67	-1.57	1.02	7.40	-1.30	0.00	5.75	0.34	1.38	5.60	0.66	0.00	4.86	1.48	2.08	
		-0.30	0.06		-0.21	0.00		0.05	0.08		0.09	0.00		0.26	0.15	
F92H9C	7.74	-1.17	0.20	7.49	-0.74	0.42	5.61	-0.63	0.10	5.48	-0.18	0.27	4.45	-0.81	0.32	
		-0.23	0.01		-0.12	0.02		-0.09	0.01		-0.03	0.01		-0.14	0.02	
PFR9KY	8.20	1.17	3.37	7.80	1.20	2.13	6.33	4.61	4.50	6.29	5.64	2.87	5.64	5.90	1.52	
		0.23	0.19		0.19	0.10		0.63	0.26		0.78	0.12		1.05	0.11	
K8VMR6	8.12	0.76	0.51	7.63	0.14	0.61	5.62	-0.61	0.49	5.47	-0.30	0.69	4.47	-0.73	0.79	
		0.15	0.03		0.02	0.03		-0.08	0.03		-0.04	0.03		-0.13	0.06	
XWTMKR	8.22	1.29	0.93	7.71	0.60	2.61	5.67	-0.19	1.45	5.54	0.25	2.63	4.55	-0.28	0.83	
		0.25	0.05		0.10	0.12		-0.03	0.09		0.04	0.11		-0.05	0.06	
FKH3T9	8.28	1.60	1.99	7.58	-0.17	2.33	5.74	0.27	0.52	5.93	3.03	3.29	5.14	3.04	1.43	
		0.31	0.11		-0.03	0.11		0.04	0.03		0.42	0.14		0.54	0.10	
6VACMK	7.97	-0.02	1.02	7.63	0.14	1.22	5.83	0.97	0.99	5.50	-0.06		4.60	0.02	1.38	
		0.00	0.06		0.02	0.06		0.13	0.06		-0.01	0.00		0.00	0.10	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
DFA3JC	8.12	0.76	0.10	7.70	0.56	0.00	5.55	-1.12	0.10	5.49	-0.13	0.00	4.50	-0.54	0.14
		0.15	0.01		0.09	0.00		-0.15	0.01		-0.02	0.00		-0.10	0.01
K2N3HD	8.21	1.26	0.20	7.74	0.83	0.65	5.64	-0.44	0.17	5.49	-0.13	0.24	4.50	-0.56	0.16
		0.24	0.01		0.13	0.03		-0.06	0.01		-0.02	0.01		-0.10	0.01
YKBCLZ	8.06	0.45	0.62	7.54	-0.45	0.74	5.61	-0.63	0.26	5.41	-0.74	0.27	4.42	-0.98	0.29
		0.09	0.04		-0.07	0.04		-0.09	0.02		-0.10	0.01		-0.17	0.02
RMZ998	7.83	-0.71	1.02	7.50	-0.68	2.12	5.57	-0.97	3.55	5.43	-0.54	1.37	4.80	1.15	3.64
		-0.14	0.06		-0.11	0.10		-0.13	0.21		-0.08	0.06		0.20	0.26
T9EFX6	6.17	-9.29		6.16	-8.97		5.98	2.04		6.02	3.71		5.81	6.83	
		-1.80	0.00		-1.45	0.00		0.28	0.00		0.51	0.00		1.21	0.00
3KE7UV	8.01	0.22	0.27	7.51	-0.62	0.21	5.54	-1.16	0.30	5.34	-1.24	0.49	4.49	-0.60	0.50
		0.04	0.02		-0.10	0.01		-0.16	0.02		-0.17	0.02		-0.11	0.04
R9KB47	7.88	-0.46	0.18	7.53	-0.50	0.42	5.57	-0.97	0.94	5.35	-1.17	1.72	4.48	-0.66	0.48
		-0.09	0.01		-0.08	0.02		-0.13	0.06		-0.16	0.07		-0.12	0.03
LZMPAC	7.95	-0.10	1.23	7.62	0.08	0.32	5.75	0.36	0.45	5.62	0.81	1.09	4.65	0.30	0.77
		-0.02	0.07		0.01	0.02		0.05	0.03		0.11	0.05		0.05	0.06
YPKQ4Y	7.94	-0.15	0.00	7.53	-0.50	0.00	5.69	-0.07	0.00	5.55	0.30	0.00	4.60	0.02	0.00
		-0.03	0.00		-0.08	0.00		-0.01	0.00		0.04	0.00		0.00	0.00
BMDAYP	7.93	-0.19	1.02	7.63	0.14	1.22	5.73	0.24	0.99	5.53	0.18	1.37	4.80	1.15	1.38
		-0.04	0.06		0.02	0.06		0.03	0.06		0.03	0.06		0.20	0.10
738BNU	7.56	-2.12	1.27	7.38	-1.42	1.81	5.72	0.12	0.26	5.59	0.62	0.55	4.68	0.47	0.48
		-0.41	0.07		-0.23	0.09		0.02	0.02		0.09	0.02		0.08	0.03
T84DB7	8.04	0.34	0.44	7.69	0.47	0.32	5.68	-0.12	0.36	5.52	0.06	0.49	4.54	-0.34	0.69
		0.07	0.03		0.08	0.02		-0.02	0.02		0.01	0.02		-0.06	0.05
L2J8CD	8.19	1.12	0.27	7.82	1.32	0.44	5.66	-0.32	0.20	5.57	0.42	0.27	4.47	-0.71	0.24
		0.22	0.02		0.21	0.02		-0.04	0.01		0.06	0.01		-0.13	0.02
CJDKVM	8.15	0.95	0.10	7.63	0.14	0.12	5.72	0.17	0.10	5.52	0.08	0.00	4.57	-0.15	0.00
		0.18	0.01		0.02	0.01		0.02	0.01		0.01	0.00		-0.03	0.00
TNQUE3	8.03	0.33	0.37	7.60	-0.08	0.44	5.74	0.27	0.26	5.55	0.30	0.47	4.66	0.36	0.36
		0.06	0.02		-0.01	0.02		0.04	0.02		0.04	0.02		0.06	0.03
79D4JP	7.96	-0.03	0.41	7.75	0.87	0.37	5.79	0.63	0.55	5.61	0.71	0.49	4.93	1.88	0.36
		-0.01	0.02		0.14	0.02		0.09	0.03		0.10	0.02		0.33	0.03
PWWNK7	7.86	-0.57	0.64	7.56	-0.33	1.17	5.88	1.31	1.49	5.64	0.93	1.12	4.76	0.94	0.08
		-0.11	0.04		-0.05	0.06		0.18	0.09		0.13	0.05		0.17	0.01
A9GXQK	8.09	0.60	0.27	7.75	0.89	1.49	5.77	0.51	0.78	5.64	0.93	0.49	4.68	0.45	0.56
		0.12	0.02		0.14	0.07		0.07	0.05		0.13	0.02		0.08	0.04
8CMGZN	7.97	0.02	0.10	7.60	-0.08	0.12	5.66	-0.32	0.10	5.42	-0.62	0.14	4.52	-0.41	0.08
		0.00	0.01		-0.01	0.01		-0.04	0.01		-0.09	0.01		-0.07	0.01
JBF2VE	7.78	-0.96	0.37	7.37	-1.51	0.32	5.52	-1.29	0.52	5.42	-0.62	0.76	4.49	-0.60	1.24
		-0.19	0.02		-0.24	0.02		-0.18	0.03		-0.09	0.03		-0.11	0.09
XM44Y7	7.84	-0.67	0.47	7.46	-0.91	0.74	6.00	2.21	0.65	5.50	-0.04	0.49	4.90	1.71	0.41
		-0.13	0.03		-0.15	0.04		0.30	0.04		-0.01	0.02		0.30	0.03
PWR8L8	7.79	-0.95	0.54	7.36	-1.57	0.32	5.72	0.15	0.59	5.46	-0.37	0.36	4.56	-0.19	0.48
		-0.18	0.03		-0.25	0.02		0.02	0.03		-0.05	0.02		-0.03	0.04



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
CPEWRJ	8.07	0.53	1.02	7.68	0.41	0.44	5.71	0.05	0.20	5.55	0.28	0.60	4.53	-0.39	0.16
VBVLAX	7.97	-0.02	1.02	7.57	-0.27	1.22	5.53	-1.21	0.99	5.33	-1.27	1.37	4.60	0.02	0.00
TJBJ2Y	8.01	0.21	0.00	7.64	0.19	0.00	5.62	-0.17	0.06	5.46	-0.18	0.06	4.59	0.00	0.00
XHNEVW	7.89	0.04	0.00	7.64	0.03	0.00	5.62	-0.61	0.20	5.46	-0.33	0.14	4.59	-0.02	0.16
49YVGP	7.81	-0.41	0.81	7.53	-0.47	0.12	5.61	-0.08	0.01	5.45	-0.05	0.01	4.55	-0.28	0.52
3BBBBQ	8.20	-0.08	0.05	7.53	-0.08	0.01	5.61	-0.68	0.36	5.45	-0.42	0.41	4.55	-0.06	0.02
98UYZG	7.79	-0.83	0.92	7.56	-0.31	0.76	5.51	-0.09	0.02	5.45	-0.06	0.02	4.55	-0.05	0.04
LVRZT6	8.13	-0.16	0.05	7.56	-0.05	0.04	5.51	-1.36	0.77	5.36	-1.05	0.55	4.45	-0.83	0.41
RCXBZX	7.71	1.19	0.00	7.80	1.18	0.00	5.73	-0.19	0.05	5.36	-0.15	0.02	4.45	-0.15	0.03
4KCY3M	7.97	0.23	0.00	7.80	0.19	0.00	5.73	0.24	0.99	5.53	0.18	1.37	4.60	0.02	0.00
67Q7RL	8.01	-0.91	0.87	7.61	0.00	1.39	5.97	0.03	0.06	5.53	0.03	0.06	4.60	0.00	0.00
MZGWVZ	7.57	-0.18	0.05	7.61	0.00	0.07	5.97	1.94	2.04	5.81	2.21	0.36	4.91	1.78	1.61
8FPFBG	7.94	0.84	1.02	7.73	0.76	1.22	5.70	0.27	0.12	5.81	0.31	0.02	4.91	0.32	0.12
K6MG64	7.88	0.16	0.06	7.73	0.12	0.06	5.70	0.00	1.71	5.60	0.66	0.00	4.57	-0.17	0.79
7CWYLG	7.79	-1.36	3.57	7.44	-1.05	1.60	5.73	0.00	0.10	5.60	0.09	0.00	4.57	-0.03	0.06
DM76CB	8.11	-0.26	0.20	7.44	-0.17	0.08	5.73	0.19	0.43	5.95	3.22	1.12	4.70	0.56	0.42
XYFCWR	8.04	-0.02	1.02	7.57	-0.27	1.22	5.70	0.03	0.03	5.95	0.45	0.05	4.70	0.10	0.03
DURWNB	8.10	0.00	0.06	7.57	-0.04	0.06	5.70	0.00	2.96	5.43	-0.54	1.37	4.47	-0.73	0.79
VNJNRP	7.77	0.21	0.35	7.67	0.39	0.80	5.74	0.00	0.17	5.43	-0.08	0.06	4.47	-0.13	0.06
BLKJTA	7.97	0.04	0.02	7.67	0.06	0.04	5.74	0.27	0.26	5.52	0.06	0.60	4.65	0.30	0.36
DYXQH7	8.28	-2.06	1.70	7.27	-2.10	2.58	5.25	0.04	0.02	5.52	0.01	0.03	4.65	0.05	0.03
		-0.40	0.10	7.27	-0.34	0.12	5.25	-3.25	2.17	5.27	-1.75	0.90	4.37	-1.28	0.73
		-0.15	1.86	7.39	-1.34	0.68	5.39	-0.45	0.13	5.27	-0.24	0.04	4.37	-0.23	0.05
		-0.03	0.11	7.39	-0.22	0.03	5.39	-2.28	0.69	5.49	-0.13	0.41	4.46	-0.77	1.22
		-0.48	0.37	7.38	-1.44	0.88	5.78	-0.31	0.04	5.49	-0.02	0.02	4.46	-0.14	0.09
		-0.09	0.02	7.38	-0.23	0.04	5.78	0.58	0.34	5.42	-0.64	0.47	4.57	-0.17	0.29
		-0.91	2.06	7.41	-1.24	1.48	5.60	0.08	0.02	5.42	-0.09	0.02	4.57	-0.03	0.02
		-0.18	0.12	7.41	-0.20	0.07	5.60	-0.73	0.34	5.37	-1.00	1.09	4.43	-0.92	1.31
		0.50	1.02	7.47	-0.89	1.22	5.67	-0.10	0.02	5.37	-0.14	0.05	4.43	-0.16	0.10
		0.10	0.06	7.47	-0.14	0.06	5.67	-0.24	0.99	5.67	1.15	2.74	4.57	-0.17	0.79
		0.72	0.81	7.82	1.28	1.24	5.83	-0.03	0.06	5.67	0.16	0.12	4.57	-0.03	0.06
		0.14	0.05	7.82	0.21	0.06	5.83	0.95	1.33	5.63	0.91	1.31	4.70	0.56	0.87
		0.34	0.41	7.82	1.30	0.37	5.60	0.13	0.08	5.63	0.13	0.06	4.70	0.10	0.06
		0.07	0.02	7.82	0.21	0.02	5.60	-0.70	1.04	5.56	0.37	0.63	4.61	0.08	0.86
		0.67	0.00	7.70	0.56	0.00	5.70	-0.10	0.06	5.56	0.05	0.03	4.61	0.01	0.06
		0.13	0.00	7.70	0.09	0.00	5.70	0.00	0.00	5.50	-0.06	0.00	4.73	0.77	0.79
		-1.03	0.00	7.83	1.36	0.00	5.77	0.00	0.00	5.50	-0.01	0.00	4.73	0.14	0.06
		-0.20	1.02	7.53	-0.47	1.22	5.47	0.51	0.00	5.69	1.32	0.00	4.76	0.92	0.00
		0.00	0.06	7.53	-0.08	0.06	5.47	0.07	0.00	5.69	0.18	0.00	4.76	0.16	0.00
		1.62	2.27	7.70	0.58	0.53	5.52	-1.70	0.99	5.27	-1.75	1.37	4.37	-1.30	0.79
		0.31	0.13	7.70	0.09	0.03	5.52	-0.23	0.06	5.27	-0.24	0.06	4.37	-0.23	0.06
								-1.31	0.90	5.43	-0.57	1.03	4.39	-1.18	3.79
								-0.18	0.05	5.43	-0.08	0.04	4.39	-0.21	0.28



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		7.97			7.61			5.70			5.51			4.60	
Median Abs Dev		0.12			0.09			0.07			0.08			0.11	
Avg Within Lab SD		0.06			0.05			0.06			0.04			0.07	
Labs Included		62			62			62			62			62	
Labs Reporting		62			62			62			62			62	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 117)	in the Soil pH & EC Property Groups												Data units: Unit		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
83L8FJ	8.16	0.51	0.22	7.81	0.52	0.17	5.88	0.10	0.48	5.75	0.27	0.36	4.78	0.13	0.40
		0.11	0.02		0.15	0.01		0.03	0.03		0.08	0.02		0.03	0.03
644GFL	8.05	0.03	0.08	7.64	-0.09	0.29	5.84	-0.06	0.00	5.74	0.24	0.24	4.87	0.47	0.17
		0.01	0.01		-0.03	0.02		-0.02	0.00		0.07	0.02		0.12	0.01
33JQFQ	8.12	0.35	0.22	7.77	0.38	0.00	5.65	-0.82	0.43	5.53	-0.46	0.58	4.55	-0.78	0.86
		0.08	0.02		0.11	0.00		-0.21	0.03		-0.14	0.04		-0.20	0.06
9JP2MJ	7.83	-0.98	0.81	7.50	-0.59	1.67	5.47	-1.56	0.93	5.33	-1.12	0.89	4.37	-1.52	0.87
		-0.21	0.06		-0.17	0.10		-0.39	0.06		-0.34	0.06		-0.38	0.06
FKH3T9	8.03	-0.06	1.06	7.29	-1.36	1.13	6.08	0.90	0.70	5.69	0.06	0.53	4.71	-0.14	2.78
		-0.01	0.08		-0.38	0.07		0.23	0.04		0.02	0.03		-0.04	0.18
3KE7UV	8.03	-0.06	0.22	7.59	-0.27	0.44	5.65	-0.83	0.09	5.45	-0.74	0.56	4.52	-0.92	0.23
		-0.01	0.02		-0.08	0.03		-0.21	0.01		-0.22	0.04		-0.23	0.02
2WG8UU	7.52	-2.44	1.42	7.27	-1.43	1.83	5.62	-0.93	1.23	5.44	-0.77	0.53	4.28	-1.86	1.92
		-0.53	0.10		-0.40	0.11		-0.23	0.08		-0.23	0.03		-0.47	0.13
JBF2VE	8.04	-0.03	0.98	7.54	-0.46	0.58	5.66	-0.78	1.54	5.46	-0.71	0.24	4.61	-0.55	1.34
		-0.01	0.07		-0.13	0.04		-0.20	0.10		-0.22	0.02		-0.14	0.09
6B3QZT	7.87	-0.83	1.08	7.71	0.17	0.51	6.10	1.00	0.97	5.89	0.71	0.62	4.77	0.09	0.90
		-0.18	0.08		0.05	0.03		0.25	0.06		0.22	0.04		0.02	0.06
AM2DUK	7.97	-0.37	2.93	7.80	0.48	2.88	6.47	2.45	0.93	6.97	4.30	3.87	5.70	3.80	1.51
		-0.08	0.21		0.14	0.17		0.61	0.06		1.30	0.25		0.95	0.10
TBLXV2	8.20	0.71	2.44	7.80	0.48	1.67	5.80	-0.22	0.00	5.50	-0.57	1.54	4.67	-0.33	0.87
		0.15	0.17		0.14	0.10		-0.06	0.00		-0.17	0.10		-0.08	0.06
98UYZG	8.14	0.43	0.49	7.84	0.64	1.17	6.26	1.64	3.61	5.91	0.80	0.36	5.06	1.23	1.30
		0.09	0.03		0.18	0.07		0.41	0.22		0.24	0.02		0.31	0.09
RCXBZX	7.88	-0.75	0.41	7.32	-1.24	0.76	5.72	-0.54	0.58	5.64	-0.09	0.36	4.69	-0.25	0.35
		-0.16	0.03		-0.35	0.05		-0.14	0.04		-0.03	0.02		-0.06	0.02
HUC6ZA	8.02	-0.11	0.22	7.74	0.26	0.10	5.93	0.29	0.09	5.81	0.45	0.09	4.79	0.17	0.15
		-0.02	0.02		0.07	0.01		0.07	0.01		0.14	0.01		0.04	0.01
YTJ7GT	8.07	0.11		7.67	0.02		5.70	-0.62		5.49	-0.60		4.75	0.01	
		0.02	0.00		0.01	0.00		-0.16	0.00		-0.18	0.00		0.00	0.00
YPJVKT	7.85	-0.92	0.49	7.49	-0.63	0.29	5.89	0.13	0.65	5.73	0.19	0.71	4.86	0.43	0.61
		-0.20	0.04		-0.18	0.02		0.03	0.04		0.06	0.05		0.11	0.04
WYZRCU	8.34	1.34	0.16	7.95	1.01	0.25	6.01	0.61	0.41	5.88	0.69	0.15	4.86	0.46	0.83
		0.29	0.01		0.28	0.02		0.15	0.03		0.21	0.01		0.12	0.06
BHL3GF	8.38	1.55	0.33	7.80	0.47	0.25	5.82	-0.13	0.19	5.65	-0.06	0.24	4.79	0.15	0.17
		0.34	0.02		0.13	0.02		-0.03	0.01		-0.02	0.02		0.04	0.01
K6MG64	8.10	0.25	0.42	7.66	-0.02	0.33	6.06	0.82	0.32	5.54	-0.44	0.46	4.73	-0.09	0.23
		0.05	0.03		-0.01	0.02		0.21	0.02		-0.13	0.03		-0.02	0.02
ZZZ3WM	8.17	0.58	0.45	7.83	0.58	0.35	5.91	0.22	0.00	5.69	0.06	0.41	4.75	-0.01	0.48
		0.13	0.03		0.16	0.02		0.06	0.00		0.02	0.03		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		
PHEWWY	8.41	1.68		6.80	-3.11		5.82	-0.14		5.57	-0.34		4.49	-1.03	
		0.36	0.00		-0.87	0.00		-0.04	0.00		-0.10	0.00		-0.26	0.00
X3EMTR	7.89	-0.74	0.45	7.49	-0.63	0.44	5.87	0.06	0.58	6.02	1.15	0.88	4.86	0.43	0.17
		-0.16	0.03		-0.18	0.03		0.02	0.04		0.35	0.06		0.11	0.01
Grand Median		8.05			7.67			5.86			5.67			4.75	
Median Abs Dev		0.12			0.14			0.15			0.16			0.11	
Avg Within Lab SD		0.07			0.06			0.06			0.06			0.07	
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 118)	in the Soil pH & EC Property Groups														Data units: Unit		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
HRQGNA	7.43	-0.15	1.14	6.93	-1.37	1.01	5.37	-0.28	1.39	5.20	-1.21	2.18	4.40	0.09	0.00		
		-0.03	0.06		-0.24	0.06		-0.05	0.06		-0.12	0.10		0.01	0.00		
83L8FJ	7.56	0.53	0.41	7.23	0.34	0.20	5.48	0.38	0.14	5.39	0.71	0.22	4.38	-0.09	0.53		
		0.10	0.02		0.06	0.01		0.06	0.01		0.07	0.01		-0.01	0.02		
644GFL	7.42	-0.24	0.11	7.11	-0.38	0.10	5.50	0.50	0.61	5.39	0.71	0.00	4.44	0.41	0.53		
		-0.04	0.01		-0.07	0.01		0.08	0.03		0.07	0.00		0.06	0.02		
2GK3BP	7.48	0.09	0.30	7.18	0.04	0.46	5.36	-0.32	1.35	5.29	-0.30	1.09	4.25	-1.01	1.49		
		0.02	0.02		0.01	0.03		-0.05	0.06		-0.03	0.05		-0.14	0.06		
F92H9C	7.40	-0.33	0.52	7.13	-0.25	0.30	5.37	-0.26	0.24	5.32	0.03	0.13	4.22	-1.23	0.29		
		-0.06	0.03		-0.04	0.02		-0.04	0.01		0.00	0.01		-0.17	0.01		
XWTMKR	7.53	0.37	0.50	7.19	0.08	0.62	5.38	-0.20	0.42	5.27	-0.54	0.88	4.70	2.31	2.06		
		0.07	0.03		0.01	0.04		-0.03	0.02		-0.05	0.04		0.31	0.08		
FKH3T9	6.92	-2.98	1.73	6.72	-2.59	3.00	6.25	5.02	2.38	5.35	0.27	0.55	4.45	0.46	2.69		
		-0.54	0.09		-0.45	0.17		0.84	0.10		0.03	0.03		0.06	0.11		
DFA3JC	7.57	0.60	0.00	7.22	0.29	0.10	5.34	-0.44	0.00	5.32	0.00	0.00	4.23	-1.21	0.15		
		0.11	0.00		0.05	0.01		-0.07	0.00		0.00	0.00		-0.16	0.01		
K2N3HD	7.63	0.95	0.41	7.32	0.86	0.10	5.41	-0.04	0.37	5.32	0.00	0.22	4.31	-0.59	0.44		
		0.17	0.02		0.15	0.01		-0.01	0.02		0.00	0.01		-0.08	0.02		
RMZ998	7.40	-0.33	1.97	6.93	-1.37	1.01	5.23	-1.08	1.39	5.17	-1.55	2.51	4.40	0.09	0.00		
		-0.06	0.10		-0.24	0.06		-0.18	0.06		-0.15	0.12		0.01	0.00		
LZMPAC	7.43	-0.18	1.31	7.13	-0.27	0.83	5.46	0.26	0.28	5.43	1.11	0.95	4.42	0.24	0.67		
		-0.03	0.07		-0.05	0.05		0.04	0.01		0.11	0.04		0.03	0.03		
GAPFPH	7.60	0.79	0.46	7.27	0.55	0.00	5.46	0.28	0.64	5.36	0.37	0.50	4.43	0.31	0.51		
		0.14	0.02		0.10	0.00		0.05	0.03		0.04	0.02		0.04	0.02		
L2J8CD	7.60	0.79	0.60	7.31	0.76	0.37	5.42	0.04	0.48	5.21	-1.11	0.22	4.19	-1.46	0.39		
		0.14	0.03		0.13	0.02		0.01	0.02		-0.11	0.01		-0.20	0.02		
79D4JP	7.44	-0.09	0.50	7.06	-0.67	0.62	5.52	0.62	0.70	5.28	-0.37	0.33	4.52	0.98	1.17		
		-0.02	0.03		-0.12	0.04		0.10	0.03		-0.04	0.02		0.13	0.05		
98UYZG	7.33	-0.69	2.11	7.24	0.38	0.18	5.69	1.68	1.57	5.61	2.93	0.00	4.36	-0.24	0.96		
		-0.13	0.11		0.07	0.01		0.28	0.07		0.29	0.00		-0.03	0.04		
LVRZT6	7.60	0.77	0.00	7.23	0.34	1.01	5.43	0.12	1.39	5.27	-0.54	1.26	4.30	-0.66	0.00		
		0.14	0.00		0.06	0.06		0.02	0.06		-0.05	0.06		-0.09	0.00		
RCXBZX	7.12	-1.88	0.75	6.90	-1.56	1.69	5.32	-0.54	0.50	5.30	-0.24	0.33	4.30	-0.69	0.53		
		-0.34	0.04		-0.27	0.10		-0.09	0.02		-0.02	0.02		-0.09	0.02		
DURWNB	7.53	0.40	1.14	7.17	-0.04	1.01	5.40	-0.08	0.00	5.33	0.13	1.26	4.40	0.09	0.00		
		0.07	0.06		-0.01	0.06		-0.01	0.00		0.01	0.06		0.01	0.00		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		7.46			7.17			5.41			5.32			4.39	
Median Abs Dev		0.09			0.07			0.05			0.05			0.07	
Avg Within Lab SD		0.05			0.06			0.04			0.05			0.04	
Labs Included		18			18			18			18			18	
Labs Reporting		18			18			18			18			18	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 CaCl2 (SubTestCode 119)	in the Soil pH & EC Property Groups												Data units: Unit		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
644GFL	7.51	0.58	0.52	7.12	0.17	0.29	5.52	-0.15	0.21	5.43	0.80	0.37	4.50	1.00	0.37
		0.16	0.06		0.03	0.03		-0.02	0.01		0.09	0.01		0.14	0.02
FKH3T9	6.75	-2.14	1.72	6.80	-1.86	0.63	5.56	0.15	1.06	5.46	1.04	2.49	4.52	1.13	1.78
		-0.60	0.19		-0.30	0.06		0.02	0.06		0.12	0.08		0.15	0.10
JBF2VE	7.27	-0.26	0.10	6.89	-1.28	0.11	5.27	-2.46	0.18	5.15	-1.74	1.29	4.22	-1.08	0.49
		-0.07	0.01		-0.21	0.01		-0.27	0.01		-0.19	0.04		-0.15	0.03
XHNEVW	7.53	0.68	0.28	7.23	0.85	0.29	5.46	-0.73	1.11	5.35	0.05	0.32	4.36	-0.06	0.11
		0.19	0.03		0.14	0.03		-0.08	0.06		0.01	0.01		-0.01	0.01
98UYZG	7.33	-0.05	0.95	7.21	0.68	0.18	5.62	0.73	1.79	5.49	1.35	0.80	4.37	0.06	1.23
		-0.02	0.11		0.11	0.02		0.08	0.10		0.15	0.03		0.01	0.07
RCXBZX	7.11	-0.83	0.05	6.95	-0.93	0.24	5.38	-1.43	0.28	5.32	-0.26	0.49	4.33	-0.26	0.19
		-0.23	0.01		-0.15	0.02		-0.16	0.02		-0.03	0.02		-0.04	0.01
HUC6ZA	7.54	0.70	0.09	7.17	0.43	0.07	5.58	0.36	0.18	5.34	-0.05	0.32	4.29	-0.53	0.11
		0.20	0.01		0.07	0.01		0.04	0.01		-0.01	0.01		-0.07	0.01
YPJVKT	7.36	0.05	0.09	7.07	-0.17	0.20	5.56	0.18	0.83	5.45	0.92	0.18	4.41	0.31	0.28
		0.02	0.01		-0.03	0.02		0.02	0.05		0.10	0.01		0.04	0.02
BHL3GF	7.60	0.93	0.05	7.13	0.19	0.96	5.56	0.18	1.89	5.33	-0.14	0.96	4.36	-0.06	0.47
		0.26	0.01		0.03	0.08		0.02	0.10		-0.02	0.03		-0.01	0.03
C8H8XB	7.20	-0.52	2.40	7.07	-0.19	2.89	5.50	-0.36	0.00	5.30	-0.41	0.00	4.67	2.24	2.14
		-0.15	0.26		-0.03	0.25		-0.04	0.00		-0.05	0.00		0.30	0.12
Grand Median		7.35		7.10			5.54			5.35			4.37		
Median Abs Dev		0.18		0.09			0.04			0.07			0.06		
Avg Within Lab SD		0.11		0.09			0.06			0.03			0.05		
Labs Included		10		10			10			10			10		
Labs Reporting		10		10			10			10			10		



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

Soil EC (1:5) H2O (SubTestCode 120)	in the Soil pH & EC Property Groups										Data units: dS/m
SRSSRS1601	SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605				
2WG8UU	0.10	1.60	0.10	0.91	0.18	1.53	0.23	1.65	0.09	0.49	
		0.01		0.01		0.01		0.01		0.00	
ZVM3ZV	0.13	0.28	0.15	0.00	0.20	0.09	0.26	0.31	0.09	0.00	
		0.00		0.00		0.00		0.00		0.00	
6B3QZT	0.14	0.61	0.17	1.48	0.19	0.81	0.25	0.43	0.09	1.66	
		0.00		0.01		0.01		0.00		0.00	
Grand Median		0.13		0.15		0.19		0.25		0.086	
Median Abs Dev											
Avg Within Lab SD		0.00		0.01		0.01		0.00		0.002	
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		

SMP Buffer pH (SubTestCode 122)	in the Buffer pH, Lime Requirement Property Groups															Data units: Unit
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GZ63WD	7.37	-0.71	1.56	7.29	-0.09	0.43	6.63	0.66	0.56	6.90	0.14	0.88	7.06	0.28	0.94	
		-0.06	0.03		-0.01	0.02		0.10	0.02		0.02	0.02		0.04	0.03	
83L8FJ	7.44	0.10	1.56	7.26	-0.34	0.16	6.33	-1.40	0.36	6.66	-1.94	0.67	6.70	-2.03	0.36	
		0.01	0.03		-0.03	0.01		-0.21	0.01		-0.22	0.01		-0.32	0.01	
644GFL	7.45	0.25	0.90	7.19	-1.11	0.28	6.52	-0.11	0.73	6.85	-0.29	1.76	7.09	0.49	0.54	
		0.02	0.02		-0.11	0.01		-0.02	0.02		-0.03	0.03		0.08	0.02	
LM4ZL8	7.55	1.40	0.34	7.38	0.87	1.38	6.66	0.84	0.97	6.94	0.49	1.76	7.04	0.13	0.54	
		0.12	0.01		0.08	0.05		0.12	0.03		0.06	0.03		0.02	0.02	
XWTMKR	7.42	-0.10	0.90	7.32	0.23	0.98	6.58	0.27	1.84	6.94	0.49	0.33	6.99	-0.17	0.94	
		-0.01	0.02		0.02	0.04		0.04	0.05		0.06	0.01		-0.03	0.03	
DFA3JC	7.60	1.94	0.00	7.46	1.75	0.00	6.61	0.50	0.00	6.85	-0.32	0.00	6.92	-0.62	0.00	
		0.17	0.00		0.17	0.00		0.07	0.00		-0.04	0.00		-0.10	0.00	
R9KB47	7.48	0.52	1.23	7.38	0.87	0.85	6.88	2.33	0.97	7.07	1.59	1.15	7.15	0.88	1.09	
		0.05	0.02		0.08	0.03		0.34	0.03		0.18	0.02		0.14	0.03	
LZMPAC	7.38	-0.59	0.00	7.30	0.09	0.43	6.65	0.77	0.36	6.91	0.17	0.88	7.02	0.00	0.90	
		-0.05	0.00		0.01	0.02		0.11	0.01		0.02	0.02		0.00	0.03	
UNPG82	7.42	-0.17	1.71	7.32	0.27	0.28	6.50	-0.27	0.42	6.89	0.00	0.88	7.11	0.58	1.14	
		-0.02	0.03		0.03	0.01		-0.04	0.01		0.00	0.02		0.09	0.03	
XHNEVW	7.46	0.29	0.34	7.26	-0.34	0.16	6.43	-0.70	0.42	6.89	0.06	0.33	7.10	0.51	0.21	
		0.03	0.01		-0.03	0.01		-0.10	0.01		0.01	0.01		0.08	0.01	
4JGF2L	7.29	-1.67	0.90	7.19	-1.15	0.16	6.44	-0.66	0.63	6.64	-2.14	0.58	6.72	-1.92	0.74	
		-0.15	0.02		-0.11	0.01		-0.10	0.02		-0.25	0.01		-0.30	0.02	
C8H8XB	7.40	-0.36	0.00	7.20	-1.01	2.79	6.50	-0.25	0.00	6.80	-0.75	0.00	6.93	-0.53	2.05	
		-0.03	0.00		-0.10	0.10		-0.04	0.00		-0.09	0.00		-0.08	0.06	
DYXQH7							6.54	0.00	2.43	6.84	-0.38	1.45	6.92	-0.62	1.55	
								0.00	0.07		-0.04	0.03		-0.10	0.04	
Grand Median		7.43		7.30			6.54			6.89			7.02			
Median Abs Dev		0.04		0.06			0.10			0.04			0.08			
Avg Within Lab SD		0.02		0.04			0.03			0.02			0.03			
Labs Included		12		12			13			13			13			
Labs Reporting		12		12			13			13			13			



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

Sikora Buffer pH (SubTestCode 123)				in the Buffer pH, Lime Requirement Property Groups												Data units: Unit	
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
YAA32W	7.40	-0.62	2.23	7.30	-0.68	2.27	6.80	0.47	0.00	7.03	0.87	1.22	7.10	0.56	1.39		
		-0.04	0.10		-0.05	0.10		0.07	0.00		0.13	0.06		0.07	0.10		
P9QWN3	7.07	-5.38	1.29	7.00	-4.79		6.33	-2.83	0.90	6.47	-2.83	1.22	6.60	-3.65	0.00		
		-0.38	0.06		-0.35	0.00		-0.40	0.06		-0.43	0.06		-0.43	0.00		
2GK3BP	7.44	-0.05	0.39	7.32	-0.41	0.91	6.66	-0.49	0.59	6.83	-0.44	0.64	6.96	-0.65	0.29		
		0.00	0.02		-0.03	0.04		-0.07	0.04		-0.07	0.03		-0.08	0.02		
33JQFQ	7.40	-0.57	1.29	7.24	-1.46	1.31	6.54	-1.34	0.90	6.74	-1.02	1.22	7.06	0.20	0.56		
		-0.04	0.06		-0.11	0.06		-0.19	0.06		-0.16	0.06		0.02	0.04		
6BMKMN	7.43	-0.14	1.29	7.33	-0.23	1.31	6.79	0.42	0.18	6.85	-0.35	1.06	7.00	-0.28			
		-0.01	0.06		-0.02	0.06		0.06	0.01		-0.05	0.05		-0.03	0.00		
PFR9KY	7.40	-0.57	1.73	7.36	0.18	1.70	6.97	1.65	1.92	7.00	0.65	0.97	7.24	1.71	2.30		
		-0.04	0.08		0.01	0.08		0.23	0.12		0.10	0.05		0.20	0.17		
RMZ998	7.53	1.29	1.29	7.37	0.23	1.31	6.83	0.71	3.24	7.07	1.09	1.22	7.20	1.41	2.40		
		0.09	0.06		0.02	0.06		0.10	0.21		0.17	0.06		0.17	0.17		
3KE7UV	7.49	0.71	0.13	7.40	0.73	0.26	6.73	0.00	0.09	6.76	-0.89	0.32	7.03	0.00	0.35		
		0.05	0.01		0.05	0.01		0.00	0.01		-0.14	0.02		0.00	0.03		
LZMPAC	7.50	0.76	0.26	7.41	0.82	0.60	6.80	0.45	0.86	6.99	0.59	0.42	7.13	0.79	0.29		
		0.05	0.01		0.06	0.03		0.06	0.06		0.09	0.02		0.09	0.02		
738BNU	7.50	0.86	0.64	7.42	0.91	0.94	6.88	1.06	0.50	6.97	0.48	3.03	7.13	0.84	2.02		
		0.06	0.03		0.07	0.04		0.15	0.03		0.07	0.14		0.10	0.15		
T84DB7	7.49	0.62	0.84	7.40	0.68	0.00	6.72	-0.12	0.70	7.00	0.63	0.85	7.01	-0.22	0.08		
		0.04	0.04		0.05	0.00		-0.02	0.05		0.10	0.04		-0.03	0.01		
L2J8CD	7.44	0.00	0.13	7.36	0.18	0.13	6.64	-0.68	0.32	6.88	-0.11	0.12	6.98	-0.48	0.45		
		0.00	0.01		0.01	0.01		-0.10	0.02		-0.02	0.01		-0.06	0.03		
8CMGZN	7.40	-0.62	0.22	7.31	-0.50	0.13	6.67	-0.45	0.16	6.83	-0.46	0.21	6.97	-0.56	0.08		
		-0.04	0.01		-0.04	0.01		-0.06	0.01		-0.07	0.01		-0.07	0.01		
PWR8L8	7.44	0.00	0.13	7.30	-0.73	0.13	6.56	-1.22	0.31	6.81	-0.59	0.37	7.06	0.25	0.21		
		0.00	0.01		-0.05	0.01		-0.17	0.02		-0.09	0.02		0.03	0.02		
VBVLAX	7.37	-1.10	1.29	7.33	-0.23	1.31	6.77	0.24	0.90	6.87	-0.22	1.22	7.00	-0.28			
		-0.08	0.06		-0.02	0.06		0.03	0.06		-0.03	0.06		-0.03	0.00		
TJBJ2Y	7.46	0.19	0.13	7.35	0.00	0.00	6.75	0.09	0.09	6.91	0.07	0.00	7.10	0.53	0.08		
		0.01	0.01		0.00	0.00		0.01	0.01		0.01	0.00		0.06	0.01		
49YVGP	7.50	0.81	1.16	7.43	1.05	0.47	7.16	2.99	0.55	7.24	2.20	0.44	7.10	0.59	0.64		
		0.06	0.05		0.08	0.02		0.42	0.04		0.34	0.02		0.07	0.05		
3BBBBQ	7.40	-0.62	0.00	7.40	0.68	0.00	6.70	-0.24	0.00	6.90	0.00	0.00	7.00	-0.28			
		-0.04	0.00		0.05	0.00		-0.03	0.00		0.00	0.00		-0.03	0.00		
4KCY3M	7.47	0.33	1.29	7.33	-0.23	1.31	6.73	0.00	0.90	6.90	0.00	0.00	7.03	0.00	0.80		
		0.02	0.06		-0.02	0.06		0.00	0.06		0.00	0.00		0.00	0.06		
VNJNRP	7.65	2.95		7.56	2.87		6.76	0.19		7.23	2.16		7.41	3.18			
		0.21	0.00		0.21	0.00		0.03	0.00		0.33	0.00		0.38	0.00		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		7.44			7.35			6.73			6.90			7.03	
Median Abs Dev		0.04			0.05			0.06			0.09			0.06	
Avg Within Lab SD		0.04			0.04			0.06			0.05			0.07	
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		

Adams-Evans Buffer pH (SubTestCode 124)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit
SRSSRS1601	SRSSRS1602		SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK			7.33	-1.91	0.32	7.52	-1.73	0.58	7.77	-0.25	1.10
				-0.15	0.01		-0.07	0.01		-0.01	0.01
XWTMKR	7.77	1.53	7.75	1.57		7.49	0.13	1.64	7.58	-0.21	1.53
		0.02		0.03			0.01	0.03		-0.01	0.02
YKBCLZ	7.79	0.58	7.76	0.52		7.52	0.52	0.55	7.61	0.55	0.58
		0.01		0.01			0.04	0.01		0.02	0.01
TNQUE3	7.76	0.58	7.73	0.52		7.47	-0.13	0.95	7.60	0.21	1.00
		0.01		0.01			-0.01	0.02		0.01	0.01
Grand Median	7.77		7.75		7.48		7.59		7.78		
Median Abs Dev					0.03		0.02		0.01		0.01
Avg Within Lab SD	0.01		0.02		0.02		0.01		0.01		0.01
Labs Included	3		3		4		4		4		4
Labs Reporting	3		3		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 125)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
83L8FJ	7.23	1.40	1.43	7.09	0.26	0.36	6.35	-1.85	0.37	6.65	0.00	0.41	6.64	-1.17	0.20
		0.10	0.02		0.01	0.01		-0.18	0.02		0.00	0.02		-0.13	0.01
2GK3BP	7.12	-0.12	1.05	7.06	-0.33	0.65	6.59	0.55	0.74	6.76	1.07	0.41	6.77	0.03	0.20
		-0.01	0.02		-0.02	0.02		0.05	0.04		0.11	0.02		0.00	0.01
F92H9C	7.09	-0.61	0.69	7.01	-1.30	0.18	6.45	-0.89	0.27	6.63	-0.16	0.70	6.67	-0.92	0.63
		-0.04	0.01		-0.07	0.01		-0.09	0.02		-0.02	0.03		-0.10	0.03
XWTMKR	7.13	-0.02	0.69	7.06	-0.26	0.62	6.55	0.14	0.80	6.76	1.10	0.92	6.77	0.00	0.45
		0.00	0.01		-0.01	0.02		0.01	0.05		0.11	0.03		0.00	0.02
6VACMK	7.30	2.48	0.00	7.13	1.17	1.79	6.53	0.00	2.71	6.60	-0.45	0.00	6.73	-0.31	1.13
		0.17	0.00		0.06	0.06		0.00	0.15		-0.05	0.00		-0.03	0.06
DFA3JC	7.15	0.27	0.00	7.09	0.33	0.00	6.59	0.58	0.00	6.75	0.97	0.15	6.79	0.21	0.00
		0.02	0.00		0.02	0.00		0.06	0.00		0.10	0.01		0.02	0.00
RMZ998	7.10	-0.47	0.00	7.03	-0.78	1.79	6.60	0.69	0.00	6.73	0.84	1.53	6.90	1.23	0.00
		-0.03	0.00		-0.04	0.06		0.07	0.00		0.09	0.06		0.13	0.00
L2J8CD	7.13	0.02	1.98	7.12	0.98	0.78	6.53	-0.03	0.47	6.62	-0.29	0.31	6.79	0.18	0.23
		0.00	0.03		0.05	0.03		0.00	0.03		-0.03	0.01		0.02	0.01
DYXQH7							6.40	-1.34	0.20	6.52	-1.19	2.21	6.55	-2.02	2.65
								-0.13	0.01		-0.12	0.08		-0.22	0.14
Grand Median		7.13		7.07			6.53			6.65			6.77		
Median Abs Dev		0.03		0.03			0.06			0.09			0.03		
Avg Within Lab SD		0.01		0.03			0.06			0.04			0.05		
Labs Included		8		8			9			9			9		
Labs Reporting		8		8			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 Buffer pH (SubTestCode 126)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit
SRSSRS1601	SRSSRS1602		SRSSRS1603			SRSSRS1604			SRSSRS1605				
RMZ998	6.83	1.41	6.73	1.41	6.07	-0.35	1.25	6.27	0.84	1.09	6.40	1.76	1.72
		0.06		0.06		-0.02	0.06		0.05	0.06		0.16	0.10
LVRZT6					6.13	0.65	1.25	6.23	0.30	1.09	6.27	0.26	1.00
						0.04	0.06		0.02	0.06		0.02	0.06
7CWYLG	6.78	0.14	6.68	0.14	6.00	-1.35	0.78	6.14	-1.27	1.23	6.22	-0.26	0.17
		0.01		0.01		-0.09	0.04		-0.08	0.07		-0.02	0.01
DM76CB					6.11	0.35	0.54	6.20	-0.30	0.29	6.21	-0.41	0.10
						0.02	0.03		-0.02	0.02		-0.04	0.01
Grand Median	6.81		6.71		6.09			6.22			6.24		
Median Abs Dev					0.03			0.04			0.03		
Avg Within Lab SD	0.04		0.04		0.05			0.05			0.06		
Labs Included	2		2		4			4			4		
Labs Reporting	2		2		4			4			4		



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

NO3-N Cd. Rd. (SubTestCode 127)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
YAA32W	6.3	0.0	0.6	19.0	-0.4		78.8	-0.8	0.3	95.5	-0.5	0.1	54.2	1.2	0.3		
		0.0	0.3		-1.3	0.0		-9.1	1.3		-6.2	0.5		10.3	0.6		
GZ63WD	7.3	0.6	0.9	21.9	0.5	0.4	90.8	0.2	0.3	101.4	0.0	0.1	38.4	-0.6	0.6		
		1.0	0.4		1.6	0.5		2.9	1.2		-0.3	0.7		-5.5	1.1		
CJTVUF	6.3	0.0	1.0	19.4	-0.3	0.4	79.7	-0.7	0.4	105.3	0.3	0.1	55.9	1.4	0.7		
		0.0	0.5		-0.9	0.5		-8.2	1.7		3.6	0.8		12.0	1.3		
P9QWN3	8.0	1.1	0.1	20.2	0.0	0.2	91.0	0.3	0.1	102.4	0.1	0.2	37.0	-0.8	0.2		
		1.7	0.1		-0.1	0.3		3.2	0.5		0.8	0.9		-6.9	0.4		
83L8FJ	6.7	0.2	0.4	20.6	0.1	0.3	101.3	1.1	0.1	110.2	0.7	0.2	60.7	2.0	0.3		
		0.3	0.2		0.3	0.4		13.4	0.2		8.5	1.1		16.8	0.6		
BFZE6F	7.8	1.0	0.6	20.5	0.1	1.0	88.0	0.0	1.5	96.5	-0.4	1.2	40.3	-0.4	0.6		
		1.5	0.3		0.2	1.2		0.1	6.3		-5.1	6.2		-3.6	1.0		
644GFL	7.2	0.5	2.3	23.2	1.0	0.9	87.2	-0.1	1.2	89.9	-1.0	1.3	41.8	-0.2	0.4		
		0.8	1.2		2.9	1.1		-0.7	5.1		-11.8	7.0		-2.1	0.8		
2GK3BP	6.0	-0.2	0.8	19.8	-0.2	1.1	81.3	-0.5	1.0	104.5	0.3	0.3	53.7	1.1	0.5		
		-0.4	0.4		-0.5	1.5		-6.5	4.2		2.9	1.7		9.7	0.9		
33JQFQ	6.3	0.0	3.0	17.3	-1.0	2.0	76.7	-0.9	1.5	102.0	0.0	1.4	54.3	1.2	2.4		
		0.0	1.5		-3.0	2.5		-11.2	6.4		0.3	7.5		10.4	4.5		
XNBEWV	5.2	-0.8	0.7	20.0	-0.1	1.1	93.4	0.5	1.0	108.5	0.6	0.2	44.9	0.1	0.2		
		-1.2	0.4		-0.3	1.4		5.5	4.5		6.8	1.0		1.0	0.4		
LM4ZL8	13.8	4.8	0.8	22.5	0.8	0.4	80.1	-0.6	0.2	52.0	-4.3	0.0	52.2	1.0	0.4		
		7.4	0.4		2.2	0.5		-7.7	0.9		-49.7	0.1		8.3	0.8		
6BMKMN	4.6	-1.1	0.8	16.7	-1.2	0.3	90.5	0.2	0.1	110.5	0.8	0.7	55.5	1.3	1.5		
		-1.8	0.4		-3.6	0.4		2.6	0.6		8.9	3.5		11.6	2.8		
9JP2MJ	5.8	-0.3	1.9	18.8	-0.5	1.9	87.3	0.0	0.5	98.6	-0.3	1.5	38.3	-0.7	3.0		
		-0.5	1.0		-1.5	2.4		-0.6	2.0		-3.0	7.9		-5.6	5.7		
K8VMR6	7.2	0.5	0.6	16.5	-1.3		71.7	-1.4	0.3	98.3	-0.3	0.1	56.3	1.4	0.3		
		0.8	0.3		-3.8	0.0		-16.2	1.5		-3.3	0.6		12.4	0.6		
XWTMKR	6.3	0.0	0.9	22.0	0.6	0.5	93.8	0.5	0.1	101.7	0.0	0.1	43.9	0.0	0.3		
		0.0	0.5		1.7	0.7		5.9	0.3		0.0	0.5		0.0	0.7		
FPNYC9	6.2	-0.1	0.2	23.1	1.0	0.1	100.0	1.0	1.6	110.0	0.7	0.3	42.1	-0.2	0.5		
		-0.1	0.1		2.8	0.2		12.2	7.0		8.3	1.7		-1.8	0.9		
WGX7VT	9.8	2.3	2.4	25.3	1.7	0.4	93.4	0.5	0.2	107.7	0.5	0.2	56.8	1.5	0.9		
		3.5	1.2		5.0	0.5		5.5	0.9		6.0	1.1		12.9	1.7		
6VACMK	5.6	-0.5	0.5	17.7	-0.9	0.1	79.9	-0.7	0.3	97.7	-0.3	0.2	51.9	0.9	0.7		
		-0.7	0.3		-2.6	0.2		-7.9	1.4		-3.9	1.1		8.0	1.2		
YKBCLZ	4.8	-1.0	0.2	14.8	-1.9	0.1	64.4	-2.0	0.2	92.4	-0.8	0.2	43.6	0.0	0.3		
		-1.5	0.1		-5.5	0.1		-23.5	1.0		-9.2	1.1		-0.3	0.5		
RMZ998	7.6	0.8	0.6	21.9	0.6	0.3	87.9	0.0	0.1	123.0	1.9	3.5	42.8	-0.1	0.4		
		1.2	0.3		1.6	0.4		0.0	0.2		21.3	18.3		-1.1	0.7		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
T9EFX6	6.3	0.0		18.9	-0.5		77.9	-0.8		74.9	-2.3		41.3	-0.3	
		0.0	0.0		-1.4	0.0		-9.9	0.0		-26.7	0.0		-2.6	0.0
LZMPAC	4.8	-1.0	0.1	22.0	0.6	0.3	92.1	0.4	0.2	98.2	-0.3	0.7	40.3	-0.4	1.3
		-1.5	0.1		1.7	0.4		4.3	0.7		-3.5	3.8		-3.6	2.5
BMDAYP	7.0	0.4	0.7	23.3	1.0	0.4	93.3	0.5	0.1	120.0	1.6		55.7	1.4	0.3
		0.7	0.4		3.0	0.6		5.5	0.6		18.3	0.0		11.8	0.6
GAPFPH	6.1	-0.1	1.0	22.3	0.7	0.4	92.3	0.4	0.0	106.0	0.4	0.4	45.6	0.2	1.8
		-0.2	0.5		2.0	0.5		4.5	0.1		4.3	2.1		1.6	3.5
T84DB7	7.5	0.7	0.5	17.2	-1.0	0.3	71.6	-1.4	0.7	94.0	-0.7	0.7	56.3	1.4	2.1
		1.1	0.2		-3.1	0.4		-16.3	2.8		-7.6	3.7		12.4	3.9
CJDKVM	4.9	-0.9	0.0	15.8	-1.5	0.0	74.6	-1.1	0.0	103.9	0.2	0.0	46.3	0.3	0.0
		-1.4	0.0		-4.5	0.0		-13.2	0.0		2.3	0.1		2.4	0.1
TNQUE3	5.7	-0.4	1.1	16.7	-1.2	0.4	63.7	-2.0	0.3	83.7	-1.6	1.7	44.0	0.0	1.9
		-0.7	0.6		-3.6	0.6		-24.2	1.5		-18.0	9.2		0.1	3.6
2WG8UU	6.6	0.1	0.7	21.9	0.5	0.5	80.0	-0.7	4.7	98.7	-0.3	0.2	43.4	-0.1	1.4
		0.2	0.4		1.6	0.7		-7.9	20.6		-2.9	1.3		-0.5	2.6
UNPG82	5.3	-0.7	1.4	19.6	-0.3	0.4	92.7	0.4	0.2	104.0	0.2	0.2	40.6	-0.4	0.2
		-1.0	0.7		-0.7	0.5		4.8	0.7		2.3	1.0		-3.3	0.3
ZV768V	6.8	0.3	0.1	20.4	0.0	0.0	94.7	0.6	0.1	107.7	0.5	0.1	42.2	-0.2	0.2
		0.4	0.0		0.1	0.1		6.8	0.6		6.1	0.7		-1.7	0.3
VBVLAX	7.3	0.6	0.6	20.0	-0.1	1.3	85.5	-0.2	0.6	96.1	-0.5	0.7	52.4	1.0	0.9
		0.9	0.3		-0.3	1.6		-2.4	2.7		-5.5	3.6		8.5	1.7
TJBJ2Y	5.6	-0.5	0.2	18.9	-0.5	0.2	76.8	-0.9	0.4	103.1	0.1	0.1	54.6	1.2	0.3
		-0.8	0.1		-1.4	0.2		-11.0	1.7		1.5	0.3		10.7	0.6
AM2DUK	5.6	-0.5	0.1	20.7	0.1	0.4	83.0	-0.4	1.0	92.3	-0.8	0.1	40.3	-0.4	0.3
		-0.7	0.1		0.4	0.6		-4.9	4.6		-9.3	0.6		-3.6	0.6
XHNEVV	7.2	0.5	0.2	20.4	0.0	0.1	92.0	0.3	0.4	101.5	0.0	0.1	40.7	-0.4	0.8
		0.8	0.1		0.1	0.2		4.1	1.7		-0.2	0.7		-3.2	1.5
YTJ7GT	6.1	-0.2		20.3	0.0		80.0	-0.7		92.0	-0.8		39.0	-0.6	
		-0.2	0.0		0.0	0.0		-7.9	0.0		-9.7	0.0		-4.9	0.0
4KCY3M	8.0	1.1	0.3	21.1	0.3	0.7	91.7	0.3	0.3	102.3	0.1	0.3	42.0	-0.2	0.6
		1.7	0.2		0.8	0.9		3.8	1.2		0.7	1.5		-1.9	1.1
C8H8XB	5.1	-0.8	0.2	20.2	0.0	0.1	86.9	-0.1	0.5	100.0	-0.1	0.0	40.0	-0.5	0.6
		-1.2	0.1		-0.1	0.2		-1.0	2.3		-1.7	0.1		-3.9	1.1
ZZZ3WM	6.6	0.2	2.1	20.5	0.1	2.3	101.9	1.2	2.0	109.3	0.7	3.9	43.0	-0.1	1.6
		0.3	1.1		0.2	2.9		14.1	8.7		7.6	20.8		-0.9	3.1
X3EMTR	9.6	2.1	0.3	29.4	3.1	0.3	124.7	3.1	1.0	127.3	2.2	0.4	50.4	0.8	0.6
		3.2	0.2		9.1	0.3		36.8	4.4		25.6	2.2		6.5	1.2
J6NUD7	5.6	-0.4	0.5	23.9	1.2	4.3	90.7	0.2	0.1	104.1	0.2	0.3	41.1	-0.3	0.0
		-0.7	0.2		3.6	5.6		2.9	0.4		2.5	1.5		-2.8	0.0
VNJNRP	5.8	-0.4		18.6	-0.6		89.0	0.1		100.7	-0.1		54.9	1.3	
		-0.6	0.0		-1.7	0.0		1.2	0.0		-0.9	0.0		11.0	0.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		6.33			20.3			87.9			101.7			43.9	
Median Abs Dev		0.78			1.6			5.9			5.1			3.9	
Avg Within Lab SD		0.52			1.3			4.4			5.3			1.9	
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		

NO3-N ISE (SubTestCode 128)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
QECBRZ	2.9	-0.7	1.0	12.8	-1.0	0.2	63.3	-0.8	0.5	70.3	-1.1	0.2	31.8	-1.1	0.4	
		-5.1	0.6		-9.1	0.5		-25.9	0.9		-26.2	1.1		-13.6	0.7	
3KE7UV	7.3	-0.1	0.1	16.4	-0.6	0.1	67.8	-0.6	1.0	96.4	0.0	0.9	50.2	0.4	1.3	
		-0.7	0.1		-5.5	0.1		-21.4	1.7		-0.1	6.3		4.7	2.1	
PWR8L8	7.6	-0.1	0.2	20.3	-0.2	0.1	101.6	0.4	0.6	111.7	0.7	0.2	47.0	0.1	0.3	
		-0.4	0.1		-1.6	0.3		12.4	1.1		15.1	1.2		1.5	0.4	
3BBBBQ	14.0	0.8		26.0	0.5	0.4	70.0	-0.6		90.3	-0.3	0.2	44.0	-0.1		
		6.0	0.0		4.1	1.0		-19.2	0.0		-6.2	1.5		-1.5	0.0	
MZGWVZ	32.2	3.2	1.2	34.3	1.4	2.8	151.9	1.9	1.1	130.8	1.5	2.6	47.3	0.1	1.0	
		24.2	0.8		12.4	6.9		62.7	1.9		34.3	18.2		1.8	1.6	
8FPFBG	6.3	-0.2	0.9	19.7	-0.3	0.2	87.3	-0.1	1.5	95.3	-0.1	0.2	42.7	-0.2	1.3	
		-1.7	0.6		-2.3	0.6		-1.9	2.5		-1.2	1.5		-2.8	2.1	
DM76CB	10.6	0.3	1.0	23.6	0.2	0.4	91.0	0.1	1.4	96.7	0.0	0.3	40.8	-0.4	0.6	
		2.6	0.6		1.6	1.0		1.9	2.5		0.1	2.0		-4.7	0.9	
DYXQH7	8.4	0.1	1.9	33.5	1.3	0.0	122.6	1.0	1.0	137.7	1.8	0.0	83.5	3.0	1.7	
		0.4	1.2		11.5	0.1		33.4	1.7		41.2	0.3		38.1	2.8	
Grand Median		7.98			21.9			89.2			96.5			45.5		
Median Abs Dev		2.12			4.8			20.3			10.7			3.8		
Avg Within Lab SD		0.64			2.5			1.7			6.9			1.6		
Labs Included		8			8			8			8			8		
Labs Reporting		8			8			8			8			8		



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

NO3-N CTA (SubTestCode 129)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups									Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605	
AAUKBK	6.9	0.8	22.2	0.5	94.1	1.1	107.3	0.7	43.4	0.7
		0.4		0.6		2.9		1.5		0.8
PFR9KY	8.0	1.4	20.1	1.6	84.0	1.2	90.4	1.6	39.8	1.2
		0.6		1.8		3.2		3.4		1.5
4JGF2L	38.8	0.5	100.6	0.3	423.3	0.6	481.0	0.0	172.1	1.0
		0.2		0.4		1.5		0.0		1.2
Grand Median		8.01		22.2		94.1		107.3		43.4
Median Abs Dev										
Avg Within Lab SD		0.43		1.1		2.6		2.1		1.2
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		

NO3-N Ion Chr. (SubTestCode 130)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
XM44Y7	7.7	1.0	44.3	0.6	237.3	1.7	298.7	1.6	138.7	1.7	
		0.6		2.5		11.0		46.3		14.7	
BHL3GF	5.5	0.3	22.0	0.1	96.1	0.3	108.7	0.1	45.1	0.1	
		0.2		0.5		1.9		1.5		1.0	
MZGWVZ	32.2	1.4	34.3	1.6	151.9	0.3	130.8	0.6	47.3	0.2	
		0.8		6.9		1.9		18.2		1.6	
Grand Median	7.70		34.3		151.9		130.8		47.3		
Median Abs Dev											
Avg Within Lab SD	0.57		4.2		6.6		28.7		8.6		
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 131)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
YAA32W	5.08	-0.33	0.16	9.92	0.20	0.07	0.66	-0.37	0.16	3.44	0.00	0.12	3.11	-0.12	0.02		
		-0.42	0.05		0.35	0.06		-0.61	0.07		0.00	0.04		-0.16	0.01		
AAUKBK	4.00	-1.17	0.34	8.60	-0.54	0.27	0.43	-0.51	0.14	2.53	-0.83	0.18	5.07	1.37	0.28		
		-1.50	0.10		-0.97	0.20		-0.83	0.06		-0.90	0.06		1.80	0.12		
P9QWN3	5.49	-0.01	0.14	10.36	0.44	0.57	1.34	0.04	0.31	5.52	1.91	0.29	6.57	2.52	0.29		
		-0.01	0.04		0.79	0.43		0.07	0.13		2.08	0.09		3.30	0.12		
83L8FJ	5.50	0.00	1.27	8.68	-0.49	0.19	4.59	2.02	0.55	4.28	0.77	0.65	4.45	0.90	0.39		
		0.00	0.37		-0.88	0.14		3.32	0.23		0.84	0.21		1.18	0.16		
BFZE6F	4.41	-0.85	0.16	9.16	-0.23	0.16	1.86	0.36	0.17	3.57	0.12	0.35	1.30	-1.50	0.12		
		-1.09	0.05		-0.41	0.12		0.59	0.07		0.13	0.12		-1.97	0.05		
644GFL	6.30	0.62	1.96	12.92	1.88	2.77	1.76	0.30	2.88	3.81	0.34	1.13	3.57	0.23	2.72		
		0.80	0.58		3.35	2.08		0.49	1.18		0.37	0.37		0.30	1.13		
2GK3BP	5.61	0.09	0.92	9.12	-0.25	0.23	0.61	-0.40	0.16	3.71	0.25	0.74	3.64	0.29	0.77		
		0.11	0.27		-0.45	0.18		-0.65	0.07		0.27	0.24		0.38	0.32		
33JQFQ	7.37	1.46	1.35	10.47	0.51	1.45	3.58	1.41	3.02	5.34	1.74	2.01	4.94	1.27	2.85		
		1.87	0.40		0.90	1.09		2.31	1.23		1.90	0.66		1.67	1.18		
9JP2MJ	6.50	0.78	1.87	11.97	1.35	2.47	2.46	0.73	1.31	5.67	2.05	2.81	4.26	0.76	1.61		
		1.00	0.55		2.40	1.86		1.20	0.54		2.24	0.92		1.00	0.67		
PFR9KY	4.00	-1.17	0.98	8.15	-0.79	0.75	0.70	-0.35	0.12	2.82	-0.57	0.96	2.48	-0.60	0.37		
		-1.50	0.29		-1.42	0.57		-0.57	0.05		-0.62	0.31		-0.78	0.15		
FPNYC9	5.80	0.23	0.34	10.60	0.58	2.20	2.87	0.97	0.14	4.03	0.55	0.47	3.27	0.00	0.74		
		0.30	0.10		1.03	1.65		1.60	0.06		0.60	0.15		0.00	0.31		
6VACMK	3.97	-1.19	0.20	8.00	-0.88	0.13	0.13	-0.69	0.14	2.67	-0.71	0.35	2.90	-0.28	0.48		
		-1.53	0.06		-1.57	0.10		-1.13	0.06		-0.77	0.12		-0.37	0.20		
YKBCLZ	5.95	0.35	0.43	7.85	-0.96	0.18	0.26	-0.61	0.06	3.14	-0.28	0.23	2.66	-0.46	0.77		
		0.45	0.13		-1.71	0.14		-1.00	0.03		-0.30	0.08		-0.61	0.32		
RMZ998	10.47	3.87	1.04	16.40	3.83	0.48	5.70	2.70	2.96	8.43	4.59	3.70	7.30	3.07	0.87		
		4.97	0.31		6.83	0.36		4.43	1.21		5.00	1.21		4.03	0.36		
T9EFX6	4.95	-0.43		6.63	-1.65		2.23	0.59		2.93	-0.47		4.22	0.73			
		-0.55	0.00		-2.94	0.00		0.96	0.00		-0.51	0.00		0.95	0.00		
GAPFPH	4.90	-0.47	1.33	9.41	-0.09	0.17	0.75	-0.32	0.15	3.27	-0.15	0.46	2.79	-0.36	0.11		
		-0.60	0.39		-0.16	0.13		-0.52	0.06		-0.17	0.15		-0.48	0.05		
CJDKVM	6.01	0.39	0.02	8.15	-0.80	0.01	0.53	-0.45	0.00	3.02	-0.38	0.02	3.08	-0.14	0.00		
		0.51	0.01		-1.42	0.01		-0.74	0.00		-0.41	0.01		-0.19	0.00		
ZV768V	4.72	-0.61	0.05	9.98	0.23	0.13				3.22	-0.20	0.02	2.59	-0.51	0.12		
		-0.78	0.02		0.41	0.10					-0.22	0.01		-0.67	0.05		
TJBJ2Y	5.68	0.14	0.51	9.57	0.00	0.06	0.36	-0.55	0.10	3.38	-0.05	0.14	3.51	0.18	0.14		
		0.18	0.15		0.00	0.05		-0.91	0.04		-0.06	0.05		0.24	0.06		
AM2DUK	6.47	0.76	1.34	10.02	0.25	0.69	1.95	0.42	0.20	3.99	0.51	1.84	3.41	0.11	0.21		
		0.97	0.39		0.45	0.52		0.69	0.08		0.55	0.60		0.14	0.09		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
XHNEVW	5.34	-0.12	0.17	9.03	-0.30	0.10	0.35	-0.56	0.10	2.94	-0.46	0.24	2.72	-0.41	0.28
		-0.16	0.05		-0.53	0.07		-0.92	0.04		-0.50	0.08		-0.54	0.12
YTJ7GT	6.60	0.86		11.10	0.86					3.40	-0.03		2.80	-0.36	
		1.10	0.00		1.53	0.00					-0.04	0.00		-0.47	0.00
4KCY3M	9.13	2.83	2.26	13.10	1.98	0.80	5.40	2.52	1.07	6.20	2.54	0.81	6.10	2.16	1.25
		3.63	0.67		3.53	0.60		4.13	0.44		2.76	0.26		2.83	0.52
C8H8XB	4.63	-0.68	0.98	10.03	0.26	0.08	1.27	0.00	0.28	4.10	0.61	1.71	2.93	-0.25	0.85
		-0.87	0.29		0.47	0.06		0.00	0.12		0.66	0.56		-0.33	0.35
Grand Median		5.50			9.57			1.27			3.44			3.27	
Median Abs Dev		0.78			0.90			0.83			0.51			0.54	
Avg Within Lab SD		0.29			0.75			0.41			0.33			0.41	
Labs Included		23			23			21			23			23	
Labs Reporting		23			23			21			23			23	



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

Amino Nitrogen (SubTestCode 132)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
SRSSRS1601	SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605				
LZMPAC	8.4	1.0 0.9	14.3	1.0 0.2	2.9	1.0 0.2	6.6	1.0 0.2	5.3	1.0 0.5	
Grand Median	8.37		14.3		2.90		6.57		5.27		
Median Abs Dev											
Avg Within Lab SD	0.91		0.2		0.17		0.21		0.45		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

PO4-P Bray P1 (1:10) (SubTestCode 133)	in the Phosphorus and Sulfur Property Groups														Data units: mg/kg	
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
AAUKBK	20.7	0.8	0.6	36.0	1.5		255.3	0.5	0.1	29.0	0.7		61.7	-0.8	1.9	
		3.0	0.6		7.3	0.0		19.3	0.6		3.4	0.0		-8.3	4.7	
HRQGNA	27.0	2.4	1.0	43.0	2.9	1.1	224.0	-0.3	0.2	29.0	0.7	1.0	79.0	0.9	0.4	
		9.4	1.0		14.3	1.0		-12.0	1.7		3.4	1.0		9.1	1.0	
P9QWN3	18.3	0.2	0.2	28.0	-0.2	0.3	230.4	-0.1	0.1	24.7	-0.2	0.4	72.7	0.3	0.3	
		0.6	0.2		-0.8	0.3		-5.6	1.1		-0.9	0.4		2.7	0.8	
83L8FJ	17.2	-0.1	0.7	24.8	-0.8	0.5	239.3	0.1	0.3	22.5	-0.6	0.5	61.7	-0.8	0.2	
		-0.5	0.7		-4.0	0.5		3.3	2.0		-3.1	0.5		-8.2	0.4	
644GFL	13.6	-1.0	1.0	22.4	-1.3	0.6	208.1	-0.7	0.4	18.7	-1.4	0.8	48.4	-2.0	0.8	
		-4.0	1.0		-6.4	0.5		-27.9	2.8		-6.9	0.8		-21.5	1.9	
2GK3BP	16.8	-0.2	0.4	28.8	0.0	0.6	225.2	-0.3	0.5	26.5	0.2	0.9	79.6	0.9	3.6	
		-0.8	0.4		0.1	0.5		-10.8	3.5		1.0	0.9		9.7	9.0	
LM4ZL8	14.7	-0.8	0.4	20.8	-1.6	0.5	163.9	-1.9	0.2	15.8	-2.0	0.4	55.2	-1.4	0.4	
		-3.0	0.5		-7.9	0.5		-72.1	1.7		-9.8	0.4		-14.7	1.0	
6BMKMN	16.1	-0.4	0.2	27.9	-0.2	1.2	242.8	0.2	0.3	25.2	-0.1	1.4	75.6	0.5	0.9	
		-1.5	0.2		-0.8	1.1		6.8	2.3		-0.4	1.5		5.7	2.2	
PFR9KY	17.4	-0.1	2.1	30.6	0.4	1.0	255.7	0.5	4.2	24.2	-0.3	1.2	63.2	-0.6	0.2	
		-0.2	2.2		1.9	0.9		19.7	31.8		-1.4	1.3		-6.8	0.5	
K8VMR6	20.0	0.6		28.7	0.0	0.6	221.7	-0.4	1.0	25.7	0.0	0.6	58.0	-1.1	0.7	
		2.4	0.0		-0.1	0.6		-14.3	7.6		0.1	0.6		-11.9	1.7	
6VACMK	16.0	-0.4		31.7	0.6	0.6	279.7	1.2	0.5	25.3	-0.1	0.6	72.0	0.2	0.4	
		-1.6	0.0		2.9	0.6		43.7	4.0		-0.3	0.6		2.1	1.0	
DFA3JC	19.7	0.5	0.3	29.3	0.1	0.6	160.0	-2.0	0.2	24.9	-0.1	0.3	77.4	0.7	0.2	
		2.1	0.3		0.6	0.6		-76.0	1.2		-0.7	0.4		7.4	0.5	
K2N3HD	16.4	-0.3	0.3	28.8	0.0	0.7	236.0	0.0	0.5	26.6	0.2	0.8	58.3	-1.1	0.6	
		-1.2	0.3		0.1	0.6		0.0	3.5		1.0	0.9		-11.7	1.5	
YKBCLZ	17.8	0.0	0.2	34.0	1.1	0.1	268.8	0.9	0.3	32.5	1.4	0.2	82.6	1.2	0.1	
		0.1	0.3		5.2	0.1		32.8	2.1		6.9	0.2		12.7	0.2	
3KE7UV	13.9	-1.0	0.2	25.5	-0.7	1.3	297.0	1.6	1.6	22.0	-0.8	1.2	65.5	-0.4	0.3	
		-3.8	0.2		-3.2	1.3		61.0	12.2		-3.6	1.3		-4.5	0.8	
LZMPAC	17.3	-0.1	0.6	27.0	-0.3	1.1	235.3	0.0	0.2	25.0	-0.1		68.0	-0.2		
		-0.3	0.6		-1.7	1.0		-0.7	1.2		-0.6	0.0		-1.9	0.0	
T84DB7	21.7	1.0	0.6	29.7	0.2	0.6	256.0	0.5	0.3	29.0	0.7		71.0	0.1	0.4	
		4.0	0.6		0.9	0.6		20.0	2.0		3.4	0.0		1.1	1.0	
L2J8CD	17.5	0.0	0.1	26.0	-0.5	0.6	242.3	0.2	0.2	21.2	-0.9	0.2	75.2	0.5	0.2	
		-0.1	0.2		-2.7	0.5		6.3	1.2		-4.4	0.2		5.2	0.6	
79D4JP	25.0	1.9	1.7	32.3	0.7	2.7	200.3	-0.9	0.7	36.7	2.3	1.5	91.7	2.1	1.1	
		7.4	1.7		3.6	2.5		-35.7	5.5		11.1	1.5		21.7	2.9	
A9GXQK	18.7	0.3	1.5	31.7	0.6	1.6	279.7	1.2	1.7	25.5	0.0	0.5	68.3	-0.2	0.8	
		1.0	1.5		2.9	1.4		43.7	12.7		-0.1	0.5		-1.6	2.0	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
PWR8L8	20.2	0.6	3.2	30.9	0.4	0.4	136.9	-2.6	0.3	31.9	1.3	0.7	70.3	0.0	0.3
		2.5	3.3		2.1	0.4		-99.1	2.4		6.4	0.8		0.3	0.7
VBVLAX	19.3	0.4	0.6	26.0	-0.6	1.1	240.3	0.1	0.3	31.0	1.1	2.5	73.3	0.3	0.8
		1.7	0.6		-2.7	1.0		4.3	2.5		5.4	2.6		3.4	2.1
TJBJ2Y	16.3	-0.3	0.3	28.1	-0.1	0.6	237.0	0.0	0.5	24.5	-0.2	0.6	69.9	0.0	0.4
		-1.3	0.3		-0.6	0.6		1.0	3.6		-1.1	0.7		0.0	1.1
3BBBBQ	12.0	-1.5	1.0	25.7	-0.6	0.6	220.0	-0.4		29.0	0.7	1.0	69.3	-0.1	0.6
		-5.6	1.0		-3.1	0.6		-16.0	0.0		3.4	1.0		-0.6	1.5
4KCY3M	20.0	0.6	1.0	26.7	-0.4	0.6	236.7	0.0	0.6	25.7	0.0	0.6	69.3	-0.1	2.0
		2.4	1.0		-2.1	0.6		0.7	4.6		0.1	0.6		-0.6	5.1
DURWNB	25.0	1.9		37.7	1.8	1.6	212.3	-0.6	0.3	34.7	1.9	2.4	85.7	1.5	0.5
		7.4	0.0		8.9	1.5		-23.7	2.5		9.1	2.5		15.7	1.2
VNJNRP							201.5	-0.9		25.6	0.0		67.9	-0.2	
								-34.5	0.0		0.0	0.0		-2.0	0.0
Grand Median		17.6		28.7			236.0			25.6			69.9		
Median Abs Dev		1.9		2.7			19.3			3.1			5.7		
Avg Within Lab SD		1.0		0.9			7.5			1.0			2.5		
Labs Included		26		26			27			27			27		
Labs Reporting		26		26			27			27			27		



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

PO4-P Bray P (1:7) (SubTestCode 134)	in the Phosphorus and Sulfur Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GZ63WD	12.1	-0.8	0.6	20.2	-0.3	0.7	160.7	0.0	0.2	21.0	-0.6	0.9	62.1	0.0	1.4	
		-1.9	0.9		-1.5	0.6		0.0	2.1		-1.0	1.0		0.0	3.7	
33JQFQ	14.0	0.0	0.6	17.0	-1.0	1.2	78.0	-1.1	0.1	22.0	0.0	0.0	65.7	0.4	1.6	
		0.0	1.0		-4.7	1.0		-82.7	1.0		0.0	0.0		3.5	4.2	
PFR9KY	17.4	1.4	1.4	30.6	2.0	1.1	255.7	1.3	2.5	24.2	1.3	1.1	63.2	0.1	0.2	
		3.4	2.2		8.9	0.9		94.9	31.8		2.2	1.3		1.0	0.5	
T9EFX6	12.5	-0.6	1.3	20.0	-0.4	1.7	129.0	-0.4	0.3	23.5	0.9	1.9	89.5	3.4	1.4	
		-1.5	2.1		-1.7	1.4		-31.7	4.2		1.5	2.1		27.4	3.5	
C8H8XB	10.0	-1.6	1.6	23.5	0.4	0.4	176.3	0.2	0.7	24.1	1.2	0.8	61.3	-0.1	0.4	
		-4.0	2.6		1.8	0.3		15.6	9.3		2.1	0.9		-0.8	1.1	
PHEWWY	14.2	0.1	0.1	24.3	0.6	0.8	267.0	1.4	0.5	21.5	-0.3	0.9	60.0	-0.3	0.2	
		0.2	0.2		2.6	0.6		106.2	6.1		-0.5	1.0		-2.1	0.6	
XYFCWR	14.7	0.3	0.0	21.7	0.0	0.1	133.7	-0.4	0.1	21.2	-0.5	0.1	59.2	-0.4	0.0	
		0.7	0.0		0.0	0.1		-27.0	1.8		-0.8	0.1		-3.0	0.0	
Grand Median		14.0		21.7			160.7			22.0			62.1			
Median Abs Dev		1.5		1.8			31.7			1.0			2.1			
Avg Within Lab SD		1.6		0.8			12.9			1.1			2.5			
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		

	PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
AAUKBK	11.3	-0.2	0.7	14.7	-0.1	0.5	61.0	-0.5	0.3	11.7	-0.2	0.7	19.0	-0.5	0.7	
		-0.8	0.6		-0.5	0.6		-6.9	1.0		-0.7	0.6		-4.3	1.0	
GZ63WD	10.1	-0.6	1.7	14.7	-0.1	1.4	60.3	-0.6	1.0	11.0	-0.4	1.7	18.5	-0.6	1.1	
		-2.0	1.4		-0.5	1.5		-7.6	2.9		-1.3	1.4		-4.9	1.5	
CJTVUF	11.7	-0.1	1.5	14.1	-0.2	0.5	54.3	-1.1	0.2	11.8	-0.2	1.7	22.9	-0.1	1.1	
		-0.4	1.3		-1.0	0.6		-13.6	0.6		-0.5	1.4		-0.4	1.6	
83L8FJ	14.0	0.6	0.7	17.0	0.4	0.6	66.2	-0.1	0.2	9.2	-0.9	0.4	24.6	0.2	0.3	
		1.9	0.6		1.9	0.6		-1.7	0.5		-3.1	0.3		1.3	0.5	
BFZE6F	15.8	1.1	0.0	16.7	0.3	0.2	65.5	-0.2	0.5	10.4	-0.6	0.3	19.0	-0.5	0.2	
		3.7	0.0		1.6	0.2		-2.5	1.5		-1.9	0.2		-4.3	0.3	
2GK3BP	10.5	-0.5	0.0	13.2	-0.4	0.3	64.7	-0.3	1.9	11.2	-0.4	0.7	22.5	-0.1	0.5	
		-1.6	0.0		-2.0	0.3		-3.2	5.3		-1.2	0.6		-0.8	0.7	
33JQFQ	12.3	0.1	1.8	14.3	-0.2	3.9	69.3	0.1	3.3	11.3	-0.3	2.8	23.3	0.0	2.9	
		0.2	1.5		-0.9	4.2		1.4	9.5		-1.0	2.3		0.0	4.0	
XNBEWV	10.7	-0.4	0.7	13.9	-0.3	0.1	52.2	-1.2	1.5	8.6	-1.1	0.5	14.4	-1.1	0.3	
		-1.4	0.6		-1.3	0.1		-15.7	4.2		-3.8	0.4		-9.0	0.5	
LM4ZL8	14.0	0.6	0.5	13.5	-0.4	0.6	96.6	2.3	0.4	20.0	2.3	1.2	29.7	0.8	1.1	
		1.9	0.4		-1.7	0.7		28.7	1.1		7.7	1.0		6.3	1.5	
6BMKMN	14.0	0.6	1.0	13.5	-0.4	0.5	67.9	0.0	1.1	13.6	0.4	0.5	32.9	1.2	0.7	
		1.9	0.8		-1.7	0.5		0.0	3.3		1.3	0.4		9.5	1.1	
9JP2MJ	13.2	0.3	0.3	5.4	-2.1	0.1	81.6	1.1	0.5	13.4	0.3	1.9	26.2	0.3	1.2	
		1.1	0.3		-9.8	0.1		13.7	1.4		1.1	1.6		2.8	1.7	
PFR9KY	13.0	0.3	0.7	16.4	0.3	0.6	70.5	0.2	0.5	12.6	0.1	0.3	19.0	-0.5	0.2	
		0.9	0.6		1.2	0.7		2.6	1.4		0.2	0.2		-4.3	0.3	
K8VMR6	15.3	1.0	0.7	18.7	0.8	0.5	45.7	-1.7	0.4	14.7	0.7	0.7	26.0	0.3		
		3.2	0.6		3.5	0.6		-22.2	1.2		2.3	0.6		2.7	0.0	
FPNYC9	24.1	3.7	1.0	31.4	3.5	0.7	85.0	1.3	1.2	19.1	2.0	0.2	35.2	1.5	1.5	
		12.0	0.9		16.3	0.7		17.1	3.5		6.8	0.2		11.8	2.1	
WGX7VT	12.4	0.1	0.0	18.4	0.7	0.5	86.9	1.5	0.2	15.4	0.9	0.2	33.6	1.3	0.6	
		0.3	0.0		3.2	0.5		19.0	0.5		3.1	0.1		10.3	0.8	
QECBRZ	12.6	0.2	1.0	18.3	0.7	0.3	76.5	0.7	1.1	16.3	1.2	0.8	22.9	-0.1	0.4	
		0.5	0.8		3.2	0.3		8.6	3.1		4.0	0.7		-0.4	0.6	
6VACMK	10.7	-0.4	0.7	13.3	-0.4	0.5	67.3	0.0	0.4	11.0	-0.4		24.7	0.2	0.8	
		-1.4	0.6		-1.9	0.6		-0.6	1.2		-1.3	0.0		1.3	1.2	
RMZ998	10.7	-0.4	0.7	15.0	0.0	1.6	55.7	-1.0	0.2	13.3	0.3	0.7	21.7	-0.2	1.1	
		-1.4	0.6		-0.2	1.7		-12.2	0.6		1.0	0.6		-1.7	1.5	
LZMPAC	11.7	-0.1	0.7	17.3	0.5	1.4	66.0	-0.1	0.3	12.3	0.0	0.7	24.0	0.1	1.4	
		-0.4	0.6		2.2	1.5		-1.9	1.0		0.0	0.6		0.7	2.0	
BMDAYP	10.6	-0.5	2.5	14.0	-0.3	1.6	59.3	-0.7	0.4	11.7	-0.2	2.5	16.7	-0.8	1.1	
		-1.5	2.1		-1.2	1.7		-8.6	1.2		-0.7	2.1		-6.7	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
T84DB7	12.0	0.0	1.1	15.4	0.0	0.6	69.4	0.1	0.4	12.7	0.1	0.3	29.1	0.7	1.5
		-0.1	0.9		0.2	0.6		1.5	1.2		0.4	0.3		5.8	2.2
UNPG82	14.8	0.8	0.4	12.8	-0.5	1.7	67.8	0.0	0.2	9.3	-0.9	0.2	17.4	-0.7	0.5
		2.7	0.4		-2.4	1.8		-0.1	0.5		-3.1	0.2		-5.9	0.7
VBVLAX	13.0	0.3	1.2	16.0	0.2	0.9	69.7	0.1	0.7	12.3	0.0	0.7	25.7	0.3	0.8
		0.9	1.0		0.8	1.0		1.8	2.1		0.0	0.6		2.3	1.2
AM2DUK	11.3	-0.2	0.7	17.3	0.5	0.5	79.0	0.9	0.6	12.7	0.1	0.7	19.3	-0.5	0.4
		-0.8	0.6		2.2	0.6		11.1	1.7		0.3	0.6		-4.0	0.6
3BBBBQ	11.0	-0.3		13.0	-0.5		69.7	0.1	0.5	15.7	1.0	0.7	31.7	1.0	1.1
		-1.1	0.0		-2.2	0.0		1.8	1.5		3.3	0.6		8.3	1.5
4JGF2L	2.9	-2.8	0.3	10.0	-1.1	0.2	72.6	0.4	0.5	14.6	0.7	0.6	29.5	0.8	0.9
		-9.2	0.2		-5.2	0.2		4.7	1.5		2.3	0.5		6.1	1.3
YTJ7GT	12.5	0.1		18.4	0.7		71.6	0.3		11.6	-0.2		18.9	-0.5	
		0.4	0.0		3.2	0.0		3.7	0.0		-0.7	0.0		-4.4	0.0
MZGWVZ	7.5	-1.4	1.0	9.5	-1.2	0.5	54.0	-1.1	1.0	4.3	-2.4	0.6	1.6	-2.7	0.1
		-4.6	0.8		-5.7	0.5		-13.9	3.0		-8.0	0.5		-21.7	0.2
C8H8XB	10.9	-0.4	0.7	16.2	0.2	0.2	63.5	-0.3	1.1	10.9	-0.4	0.3	18.9	-0.5	0.1
		-1.2	0.6		1.1	0.2		-4.4	3.2		-1.5	0.2		-4.4	0.2
PHEWWY	12.3	0.0	1.4	17.8	0.6	0.9	81.7	1.1	0.6	12.8	0.1	1.4	27.1	0.5	0.9
		0.1	1.2		2.6	1.0		13.8	1.7		0.5	1.2		3.8	1.3
X3EMTR	9.5	-0.8	0.3	12.2	-0.6	0.2	58.6	-0.7	0.0	9.8	-0.8	0.2	15.3	-1.0	0.1
		-2.6	0.3		-3.0	0.2		-9.3	0.1		-2.5	0.1		-8.1	0.1
XYFCWR	15.9	1.2	0.3	21.3	1.3	0.2	79.0	0.9	0.1	14.0	0.5	0.2	24.5	0.1	0.2
		3.8	0.2		6.1	0.2		11.1	0.4		1.7	0.2		1.1	0.2
J6NUD7	33.1	6.4	0.4	44.1	6.3	1.1	138.1	5.5	2.6	29.6	5.2	1.0	51.5	3.5	0.5
		20.9	0.3		28.9	1.2		70.2	7.3		17.3	0.8		28.2	0.7
VNJNRP	11.4	-0.2		17.6	0.5										
		-0.7	0.0		2.4	0.0									
DYXQH7	19.5	2.3	2.2	28.8	2.9	0.3	86.0	1.4	2.3	19.0	2.0	0.2	43.5	2.5	2.1
		7.4	1.8		13.6	0.3		18.1	6.6		6.6	0.2		20.2	2.9
Grand Median		12.1			15.2			67.9			12.3			23.3	
Median Abs Dev		1.4			2.1			7.6			1.3			4.3	
Avg Within Lab SD		0.8			1.1			2.9			0.8			1.4	
Labs Included		34			34			33			33			33	
Labs Reporting		34			34			33			33			33	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 136)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
AAUKBK	11.9	0.0	12.2	0.1	9.5		2.3	1.7	5.4	0.2	
		0.0		0.1		0.0		0.1		0.1	
LVRZT6	7.3	1.4	8.3	1.4	5.3		1.0		2.3	1.4	
		0.6		0.6		1.5		0.0		0.6	
4JGF2L					0.3		0.0			0.3	
						0.0		0.0		0.0	
Grand Median		9.62		10.3		5.33		1.00		3.87	
Median Abs Dev											
Avg Within Lab SD		0.41		0.4		1.08		0.06		0.41	
Labs Included		2		2		3		3		2	
Labs Reporting		2		2		3		3		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 137)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
AM2DUK	15.7	1.4 0.6	25.3	1.4 0.6	180.0	0.0	20.7	1.4 1.2	44.3	1.4 2.3	
YTJ7GT	13.9	0.0	20.7	0.0	122.0	0.0	16.1	0.0	41.4	0.0	
Grand Median	14.8		23.0		151.0		18.4		42.9		
Median Abs Dev											
Avg Within Lab SD	0.4		0.4		0.0		0.8		1.6		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



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

PO4-P Strong Bray (1:10) (SubTestCode 138)	in the Phosphorus and Sulfur Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
AAUKBK	77.3	0.3	0.7	110.0	0.3	0.3	428.0	-0.3	0.2	44.3	0.1	0.4	66.0	-1.8	0.4	
		3.5	1.5		2.0	1.0		-22.3	2.0		0.5	0.6		-19.8	1.0	
83L8FJ	80.9	0.7	0.5	120.0	1.6	1.2	474.6	0.3	0.7	42.4	-0.2	0.5	83.7	-0.2	0.3	
		7.0	1.1		12.0	3.6		24.3	8.9		-1.4	0.7		-2.2	0.8	
2GK3BP	73.1	-0.1	2.3	110.8	0.4	1.4	503.6	0.7	1.6	48.2	0.8	1.4	99.2	1.2	0.4	
		-0.8	5.3		2.8	4.2		53.3	19.8		4.3	2.0		13.4	0.9	
6BMKMN	74.7	0.1	0.7	106.2	-0.2	0.8	383.7	-0.8	0.5	43.3	-0.1	0.4	91.7	0.5	0.2	
		0.8	1.5		-1.8	2.4		-66.7	6.8		-0.5	0.6		5.9	0.5	
6VACMK	79.3	0.5	0.7	107.0	-0.1	1.2	505.3	0.7	1.9	44.7	0.1	0.4	86.3	0.0	0.7	
		5.5	1.5		-1.0	3.6		55.0	23.7		0.8	0.6		0.5	1.5	
T9EFX6	53.0	-2.1		109.0	0.1		314.0	-1.7		40.0	-0.7		89.0	0.3		
		-20.9	0.0		1.0	0.0		-136.3	0.0		-3.8	0.0		3.2	0.0	
LZMPAC	61.3	-1.2	0.3	92.0	-2.1	0.3	392.7	-0.7	0.2	38.3	-1.0	1.5	85.3	0.0	1.4	
		-12.5	0.6		-16.0	1.0		-57.7	2.1		-5.5	2.1		-0.5	3.1	
VBVLAX	70.7	-0.3	0.9	103.0	-0.6	1.5	472.7	0.3	1.0	57.3	2.4	1.8	73.3	-1.2	2.3	
		-3.2	2.1		-5.0	4.6		22.3	12.5		13.5	2.5		-12.5	5.0	
Grand Median		73.9		108.0			450.3			43.8			85.8			
Median Abs Dev		4.5		2.4			54.2			2.6			4.5			
Avg Within Lab SD		2.3		3.0			12.5			1.4			2.2			
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		

SO4 - S (PO4 Extr.) (SubTestCode 140)	in the Phosphorus and Sulfur Property Groups														Data units: mg/kg	
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	2.50	-0.24	1.01	6.00	-0.11	1.13	9.67	0.20	0.45	40.00	0.39	0.33	3.67	-0.22	0.66	
		-0.83	0.50		-0.33	0.50		1.01	0.29		4.70	0.50		-0.58	0.29	
GZ63WD	1.70	-0.47	0.40	5.40	-0.32	1.59	9.87	0.24	0.94	35.30	0.00	0.90	4.47	0.08	0.58	
		-1.63	0.20		-0.93	0.70		1.21	0.60		0.00	1.35		0.22	0.25	
83L8FJ	9.93	1.90	0.99	9.98	1.25	0.75	11.32	0.53	0.31	48.78	1.13	0.78	8.43	1.60	1.44	
		6.60	0.49		3.64	0.33		2.67	0.20		13.48	1.18		4.18	0.63	
BFZE6F	2.87	-0.14	0.28	6.27	-0.02	0.17	8.66	0.00	0.21	32.20	-0.26	0.35	3.31	-0.36	0.31	
		-0.47	0.14		-0.07	0.08		0.00	0.14		-3.10	0.53		-0.94	0.13	
644GFL	2.91	-0.12	0.27	6.90	0.19	0.23	3.26	-1.08	0.10	23.90	-0.96	0.33	2.72	-0.59	0.33	
		-0.42	0.14		0.57	0.10		-5.40	0.07		-11.40	0.49		-1.53	0.14	
2GK3BP	13.00	2.79	2.01	13.33	2.40	2.62	14.00	1.07		36.00	0.06		10.33	2.32	2.66	
		9.67	1.00		7.00	1.15		5.35	0.00		0.70	0.00		6.08	1.15	
33JQFQ	3.00	-0.10		6.33	0.00	1.31	10.33	0.34	2.38	43.33	0.67	2.69	5.67	0.54	1.33	
		-0.33	0.00		0.00	0.58		1.68	1.53		8.03	4.04		1.42	0.58	
6BMKMN	2.95	-0.11	0.10	5.14	-0.41	0.14	8.38	-0.05	0.11	29.10	-0.52	0.20	5.29	0.40	0.40	
		-0.38	0.05		-1.19	0.06		-0.28	0.07		-6.20	0.30		1.04	0.18	
PFR9KY	8.13	1.38	0.51	11.93	1.92	0.69	11.17	0.50	0.59	47.20	1.00	0.20	5.77	0.58	0.53	
		4.80	0.25		5.60	0.31		2.51	0.38		11.90	0.30		1.52	0.23	
K8VMR6	4.67	0.38	1.16	7.00	0.23		4.33	-0.86	0.90	28.33	-0.58	0.38	4.33	0.03	1.33	
		1.33	0.58		0.67	0.00		-4.32	0.58		-6.97	0.58		0.08	0.58	
6VACMK	3.33	0.00	1.16	6.67	0.11	1.31	11.00	0.47		42.67	0.62	0.38	4.67	0.16	1.33	
		0.00	0.58		0.33	0.58		2.35	0.00		7.37	0.58		0.42	0.58	
T84DB7	3.55	0.06	1.33	5.87	-0.16	0.81	10.27	0.32	2.27	36.39	0.09	1.73	3.95	-0.11	0.53	
		0.21	0.66		-0.46	0.36		1.62	1.46		1.09	2.59		-0.30	0.23	
TNQUE3	6.17	0.82	2.53	6.33	0.00	1.73	7.33	-0.26	1.96	34.17	-0.10	1.35	4.17	-0.03	0.66	
		2.83	1.26		0.00	0.76		-1.32	1.26		-1.13	2.02		-0.08	0.29	
8CMGZN	3.80	0.13	0.53	6.93	0.20	0.17	9.72	0.21	0.40	35.57	0.02	0.34	4.57	0.12	0.81	
		0.47	0.26		0.59	0.08		1.07	0.25		0.27	0.51		0.32	0.35	
VBVLAX	3.33	0.00	1.16	5.33	-0.34	1.31	3.00	-1.13		21.00	-1.20	0.67	2.33	-0.73	1.33	
		0.00	0.58		-1.00	0.58		-5.66	0.00		-14.30	1.00		-1.92	0.58	
AM2DUK	2.23	-0.32	0.12	6.17	-0.06	0.26	2.83	-1.16	0.09	22.00	-1.12	0.67	1.97	-0.87	0.27	
		-1.10	0.06		-0.17	0.12		-5.82	0.06		-13.30	1.00		-2.28	0.12	
3BBBBQ	4.00	0.19		6.00	-0.11		7.67	-0.20	0.90	30.33	-0.42	1.68	4.00	-0.10		
		0.67	0.00		-0.33	0.00		-0.99	0.58		-4.97	2.52		-0.25	0.00	
YTJ7GT	4.70	0.39		7.70	0.47		4.10	-0.91		22.50	-1.07					
		1.37	0.00		1.37	0.00		-4.56	0.00		-12.80	0.00				
4KCY3M	3.20	-0.04	0.80	4.07	-0.78	0.52	2.07	-1.32	0.55	24.83	-0.88	1.06	2.47	-0.68	0.96	
		-0.13	0.40		-2.27	0.23		-6.59	0.35		-10.47	1.59		-1.78	0.42	
MZGWVZ	1.47	-0.54	1.11	0.15	-2.12	0.03	2.40	-1.25	1.64	39.69	0.37	1.37	0.58	-1.40	0.14	
		-1.87	0.55		-6.19	0.02		-6.25	1.06		4.39	2.05		-3.67	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		
VNJNRP	17.35	4.04	0.00	14.94	2.95	0.00	18.94	2.05	0.00	67.63	2.71	0.00	10.96	2.56	0.00
Grand Median		3.33			6.33			8.66			35.3			4.25	
Median Abs Dev		0.83			0.67			2.51			7.0			1.23	
Avg Within Lab SD		0.50			0.44			0.64			1.5			0.43	
Labs Included		21			21			21			21			20	
Labs Reporting		21			21			21			21			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		

K Ammonium Acetate (SubTestCode 141)	in the Bases (1:10) Property Groups														Data units: mg/kg	
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GZ63WD	150.7	0.3	0.8	173.0	0.9	0.6	193.7	1.0	0.4	176.3	1.0	0.4	19.7	-0.3	0.6	
		5.8	6.5		19.9	5.0		30.7	4.0		16.3	4.5		-3.0	2.1	
HRQGNA	150.2	0.3	0.3	152.1	0.0	0.4	157.7	-0.2	0.3	156.5	-0.2	0.4	30.9	0.9	0.9	
		5.3	2.1		-1.0	3.0		-5.3	3.5		-3.5	4.9		8.2	2.8	
CJTVUF	154.5	0.6	1.1	152.5	0.0	1.9	176.8	0.4	3.0	186.8	1.6	1.2	36.9	1.6	2.7	
		9.6	8.6		-0.6	15.9		13.8	32.0		26.8	13.7		14.3	8.8	
83L8FJ	175.9	1.8	0.2	176.6	1.1	0.4	179.7	0.5	0.5	165.4	0.3	0.4	22.7	0.0	0.1	
		31.0	1.6		23.5	3.6		16.7	5.4		5.4	4.7		0.0	0.4	
BFZE6F	146.3	0.1	0.2	159.4	0.3	0.2	176.3	0.4	0.2	157.9	-0.1	0.1	19.5	-0.4	0.2	
		1.4	1.5		6.3	1.7		13.3	1.6		-2.1	1.4		-3.2	0.7	
644GFL	154.9	0.6	1.4	169.4	0.7	1.0	193.5	1.0	0.6	163.2	0.2	0.4	18.1	-0.5	0.2	
		10.1	10.9		16.3	8.2		30.5	6.1		3.2	4.2		-4.6	0.5	
2GK3BP	131.3	-0.8	0.6	148.0	-0.2	0.7	163.0	0.0	0.4	166.0	0.4	0.8	48.0	2.8	1.9	
		-13.5	4.5		-5.1	6.2		0.0	4.4		6.0	9.6		25.4	6.1	
33JQFQ	127.0	-1.0	0.7	145.3	-0.4	0.2	169.7	0.2	0.9	169.3	0.6	0.4	23.7	0.1	0.5	
		-17.9	5.6		-7.8	1.5		6.7	9.0		9.3	4.9		1.0	1.5	
XNBEWV	149.0	0.2	0.4	175.7	1.0	0.4	158.3	-0.1	0.5	148.3	-0.7	0.1	23.0	0.0	1.1	
		4.1	3.0		22.6	3.5		-4.7	5.1		-11.7	1.5		0.4	3.6	
LM4ZL8	129.0	-0.9	0.3	117.0	-1.6	0.2	149.0	-0.4	0.2	144.7	-0.9	0.2	21.0	-0.2	0.3	
		-15.9	2.0		-36.1	1.7		-14.0	2.0		-15.3	2.5		-1.6	1.0	
9JP2MJ	154.8	0.6	0.9	165.1	0.5	0.5	173.7	0.3	0.9	161.3	0.1	0.1	19.9	-0.3	0.4	
		10.0	6.9		12.0	4.5		10.7	9.4		1.3	0.8		-2.8	1.3	
PFR9KY	153.5	0.5	0.3	172.1	0.9	0.3	195.9	1.1	0.2	171.2	0.7	0.3	28.5	0.7	0.7	
		8.6	2.3		19.0	2.5		32.9	2.5		11.2	3.7		5.9	2.1	
K8VMR6	147.7	0.2	0.3	158.7	0.3	0.4	162.3	0.0	0.2	171.3	0.7	0.1	29.3	0.8	0.2	
		2.8	2.5		5.6	3.2		-0.7	2.5		11.3	1.5		6.7	0.6	
XWTMKR	134.6	-0.6	0.2	147.5	-0.3	0.2	190.1	0.9	0.2	169.6	0.6	0.6	23.5	0.1	0.2	
		-10.3	1.3		-5.6	1.4		27.1	2.0		9.6	6.6		0.9	0.6	
FPNYC9	151.3	0.4	0.9	174.3	1.0	0.7	180.0	0.5	0.5	157.3	-0.2	0.4	8.3	-1.6	0.2	
		6.5	7.2		21.2	5.5		17.0	5.2		-2.7	4.7		-14.3	0.6	
WGX7VT	143.3	-0.1	0.2	163.0	0.4	0.4	182.3	0.6	0.1	160.0	0.0	0.1	21.1	-0.2	0.6	
		-1.5	1.5		9.9	3.0		19.3	1.5		0.0	1.0		-1.6	2.0	
QECBRZ	158.0	0.8	0.3	179.7	1.2	0.1	205.7	1.4	0.1	177.7	1.1	0.3	22.7	0.0	0.2	
		13.1	2.6		26.6	0.6		42.7	0.6		17.7	3.2		0.0	0.6	
6VACMK	154.7	0.6	1.0	133.7	-0.9	1.0	147.0	-0.5	0.8	136.3	-1.4	0.6	45.3	2.5	3.4	
		9.8	7.8		-19.4	8.1		-16.0	8.7		-23.7	7.2		22.7	11.0	
DFA3JC	129.3	-0.9	0.4	142.0	-0.5	0.5	143.7	-0.6	0.3	160.7	0.0	0.0	24.0	0.2	0.3	
		-15.5	3.5		-11.1	4.4		-19.3	2.9		0.7	0.6		1.4	1.0	
DCARMD	137.2	-0.4	0.6	157.8	0.2	0.2	182.8	0.6	0.8	156.4	-0.2	0.6	18.8	-0.4	0.6	
		-7.6	4.9		4.7	1.5		19.8	8.2		-3.6	7.3		-3.8	1.9	



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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		Difference	W/L	STD		Difference	W/L	STD		Difference	W/L	STD		Difference	W/L	STD	
K2N3HD	136.2	-0.5	0.2		152.5	0.0	0.5		157.6	-0.2	0.4		159.5	0.0	0.3		23.9	0.1	0.2										
		-8.6	1.7			-0.6	4.5			-5.4	4.0			-0.5	3.1			1.3	0.7										
T9EFX6	146.5	0.1	0.8		147.0	-0.3	0.5		152.5	-0.3	0.9		140.5	-1.2	0.2		21.5	-0.1	1.1										
		1.6	6.4			-6.1	4.2			-10.5	9.2			-19.5	2.1			-1.1	3.5										
3KE7UV	133.0	-0.7	0.2		137.4	-0.7	0.7		151.2	-0.4	0.5		154.5	-0.3	0.4		23.7	0.1	0.6										
		-11.9	1.4			-15.7	5.6			-11.8	5.7			-5.5	5.3			1.1	2.0										
LZMPAC	136.3	-0.5	0.3		144.0	-0.4	0.1		154.7	-0.3	0.4		170.7	0.6	0.0		22.6	0.0	0.4										
		-8.5	2.1			-9.1	1.0			-8.3	4.0			10.7	0.6			0.0	1.2										
BMDAYP	133.3	-0.7	0.7		153.3	0.0	0.7		153.3	-0.3	0.5		153.3	-0.4	0.5		16.7	-0.7	0.8										
		-11.5	5.8			0.2	5.8			-9.7	5.8			-6.7	5.8			-6.0	2.5										
T84DB7	145.7	0.0	0.3		156.3	0.1	0.2		165.7	0.1	0.4		169.3	0.6	0.1		26.0	0.4	0.0										
		0.8	2.3			3.2	1.5			2.7	3.8			9.3	1.5			3.4	0.0										
L2J8CD	120.7	-1.4	0.1		126.3	-1.2	0.4		126.3	-1.2	0.3		145.7	-0.9	0.5		19.9	-0.3	0.2										
		-24.2	1.2			-26.8	3.2			-36.7	3.1			-14.3	5.5			-2.7	0.5										
79D4JP	153.3	0.5	0.5		150.7	-0.1	0.1		145.5	-0.6	0.4		159.0	-0.1	0.7		27.2	0.5	0.9										
		8.4	4.2			-2.4	1.1			-17.5	4.2			-1.0	8.5			4.6	2.9										
2WG8UU	180.0	2.0	3.5		202.3	2.2	0.8		208.0	1.4	4.3		170.3	0.6	5.0		54.0	3.5	3.5										
		35.1	27.6			49.2	6.4			45.0	45.6			10.3	59.4			31.4	11.3										
UNPG82	146.7	0.1	0.2		172.0	0.9	0.1		201.7	1.2	0.2		170.0	0.6	0.1		20.7	-0.2	0.2										
		1.8	1.5			18.9	1.0			38.7	2.1			10.0	1.0			-2.0	0.6										
8CMGZN	144.1	0.0	0.1		148.5	-0.2	0.2		138.2	-0.8	0.1		156.1	-0.2	0.1		26.7	0.5	0.1										
		-0.8	0.9			-4.6	1.3			-24.8	0.8			-3.9	0.9			4.1	0.4										
PWR8L8	151.5	0.4	0.1		171.5	0.8	0.4		202.5	1.3	0.3		174.2	0.9	0.1		30.0	0.8	0.2										
		6.6	0.5			18.4	3.5			39.5	3.5			14.2	1.4			7.3	0.5										
VBVLAX	150.7	0.3	0.7		146.3	-0.3	1.0		152.0	-0.4	0.7		156.3	-0.2	0.4		23.0	0.0	0.3										
		5.8	5.9			-6.8	8.5			-11.0	7.2			-3.7	4.7			0.4	1.0										
AM2DUK	133.3	-0.7	0.7		160.0	0.3			183.3	0.7	0.5		160.0	0.0			19.7	-0.3	0.5										
		-11.5	5.8			6.9	0.0			20.3	5.8			0.0	0.0			-3.0	1.5										
3BBBBQ	142.7	-0.1	0.3		144.0	-0.4	0.1		139.3	-0.8	0.1		160.0	0.0	0.2		34.0	1.3	0.3										
		-2.2	2.5			-9.1	1.0			-23.7	1.5			0.0	2.0			11.4	1.0										
4JGF2L	6.0	-8.0	0.0		7.1	-6.6	0.0		8.8	-5.0	0.0		7.1	-9.2	0.0		0.9	-2.4	0.0										
		-138.9	0.0			-146.0	0.3			-154.2	0.1			-152.9	0.0			-21.8	0.0										
YTJ7GT									211.0	1.5																			
										48.0	0.0																		
MZGWVZ	134.7	-0.6	0.9		125.5	-1.2	2.8		132.4	-1.0	1.2		123.2	-2.2	0.4		11.3	-1.3	0.3										
		-10.2	7.2			-27.6	23.3			-30.6	12.9			-36.8	4.2			-11.4	1.0										
C8H8XB	139.3	-0.3	0.3		161.7	0.4	1.2		194.0	1.0	0.2		168.3	0.5	0.2		18.3	-0.5	0.4										
		-5.5	2.5			8.6	10.5			31.0	1.7			8.3	2.3			-4.3	1.2										
ZZZ3WM	194.4	2.9	4.3		226.0	3.3	4.6		271.0	3.5	2.6		241.4	4.9	3.4		27.2	0.5	0.5										
		49.5	34.1			72.9	38.8			108.0	27.2			81.4	41.0			4.6	1.8										
PHEWWY	155.5	0.6	0.5		166.7	0.6	0.2		192.8	1.0	0.5		176.0	1.0	0.2		16.7	-0.7	0.2										
		10.7	3.9			13.6	1.5			29.8	4.8			16.0	2.3			-6.0	0.6										
X3EMTR	113.3	-1.8	0.0		132.1	-1.0	0.1		157.6	-0.2	0.1		135.4	-1.5	0.2		17.9	-0.5	0.1										
		-31.6	0.3			-21.0	0.8			-5.4	0.6			-24.6	2.7			-4.8	0.5										



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
XYFCWR	0.5	-8.4	0.0	0.5	-6.9	0.0	0.6	-5.2	0.0	0.5	-9.6	0.0	0.0	-2.5	0.0
		-144.4	0.0		-152.6	0.0		-162.4	0.0		-159.5	0.0		-22.6	0.0
J6NUD7	135.0	-0.6	0.5	161.6	0.4	0.1	192.9	1.0	0.2	165.1	0.3	0.1	16.1	-0.7	0.4
		-9.9	3.8		8.5	1.0		29.9	2.4		5.1	0.8		-6.6	1.2
DURWNB	143.2	-0.1	0.5	152.9	0.0	0.8	155.0	-0.3	0.7	157.2	-0.2	0.0	28.1	0.6	0.2
		-1.6	3.9		-0.2	7.1		-8.0	7.1		-2.8	0.2		5.5	0.8
VNJNRP	158.0	0.8		170.0	0.8		159.0	-0.1		147.0	-0.8		19.0	-0.4	
		13.1	0.0		16.9	0.0		-4.0	0.0		-13.0	0.0		-3.6	0.0
DYXQH7	185.6	2.4	0.6	186.9	1.5	1.1	167.1	0.1	0.7	173.0	0.8	1.1	39.6	1.9	1.1
		40.8	5.1		33.8	9.1		4.1	7.4		13.0	13.5		17.0	3.7
Grand Median		144.9			153.1			163.0			160.0			22.6	
Median Abs Dev		9.7			10.5			17.0			9.3			3.9	
Avg Within Lab SD		7.9			8.4			10.5			11.9			3.3	
Labs Included		44			44			45			44			44	
Labs Reporting		44			44			45			44			44	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 142)			in the Bases (1:10) Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
GZ63WD	3,670.0	-1.0	0.4	3,550.7	0.1	0.2	900.3	-0.1	0.3	1,356.3	0.1	0.6	154.3	0.3	0.2		
		-977.5	106.7		96.8	48.0		-23.0	15.3		6.7	51.0		17.3	8.5		
HRQGNA	4,690.2	0.0	0.2	3,343.9	-0.2	0.1	1,078.3	1.0	0.8	1,422.7	0.6	1.4	207.1	1.3	0.1		
		42.7	60.0		-109.9	40.9		155.0	39.0		73.0	116.4		70.1	4.5		
CJTVUF	5,012.3	0.4	0.6	3,230.0	-0.3	1.0	871.7	-0.3	0.8	1,318.7	-0.2	0.8	219.6	1.5	0.8		
		364.8	147.2		-223.8	310.7		-51.7	43.4		-31.0	68.7		82.6	26.1		
83L8FJ	6,280.8	1.7	0.4	3,629.2	0.3	0.2	1,119.8	1.2	0.7	1,405.1	0.4	0.1	139.0	0.0	0.1		
		1,633.3	95.0		175.3	63.1		196.4	35.0		55.5	10.6		2.0	4.3		
BFZE6F	3,416.5	-1.3	0.1	3,234.8	-0.3	0.0	963.3	0.3	0.2	1,261.0	-0.7	0.1	155.0	0.3	0.1		
		-1,231.0	22.3		-219.1	8.1		40.0	10.6		-88.7	12.0		18.0	2.0		
644GFL	4,443.1	-0.2	0.3	4,068.3	0.9	0.3	1,014.1	0.6	0.3	1,375.6	0.2	0.5	106.6	-0.6	0.3		
		-204.5	82.2		614.5	89.1		90.8	16.2		25.9	37.6		-30.4	9.3		
2GK3BP	4,640.0	0.0	0.3	3,667.3	0.3	0.3	1,010.0	0.5	0.9	1,408.3	0.4	0.4	164.3	0.5	0.4		
		-7.5	73.5		213.5	75.7		86.7	46.6		58.7	33.1		27.3	14.4		
33JQFQ	3,599.7	-1.1	0.4	2,885.3	-0.9	0.7	809.3	-0.7	1.4	1,302.0	-0.4	0.8	148.7	0.2	0.4		
		-1,047.8	109.4		-568.5	201.5		-114.0	70.2		-47.7	63.1		11.7	13.3		
XNBEWV	4,050.3	-0.6	0.3	3,779.0	0.5	0.3	888.0	-0.2	0.6	1,441.0	0.7	0.3	69.3	-1.2	0.4		
		-597.2	76.8		325.2	95.5		-35.3	29.5		91.3	23.6		-67.7	14.7		
LM4ZL8	5,091.0	0.5	0.0	3,263.7	-0.3	0.2	780.7	-0.9	0.0	1,260.0	-0.7	0.1	142.0	0.1	0.1		
		443.5	11.5		-190.2	49.8		-142.7	2.1		-89.7	4.4		5.0	3.0		
6BMKMN	4,403.7	-0.3	0.2	3,252.0	-0.3	0.1	921.3	0.0	0.1	1,310.3	-0.3	0.1	125.7	-0.2	0.0		
		-243.8	41.8		-201.8	29.6		-2.0	2.9		-39.3	4.7		-11.3	1.5		
9JP2MJ	3,530.0	-1.2	0.7	2,927.0	-0.8	0.9	765.7	-1.0	0.9	1,164.3	-1.4	0.5	91.5	-0.8	0.2		
		-1,117.5	171.0		-526.8	271.4		-157.7	47.5		-185.3	42.6		-45.5	6.2		
PFR9KY	5,338.7	0.7	0.9	4,149.6	1.1	0.7	1,047.7	0.8	1.1	1,401.3	0.4	0.2	176.1	0.7	0.1		
		691.2	234.8		695.8	197.9		124.4	56.8		51.6	12.3		39.1	4.9		
K8VMR6	5,406.7	0.8	0.4	3,536.7	0.1	0.1	985.0	0.4	0.3	1,508.3	1.2	0.2	213.3	1.4	0.1		
		759.2	92.9		82.8	32.1		61.7	13.2		158.7	14.4		76.3	4.7		
XWTMKR	4,435.2	-0.2	0.1	4,043.5	0.9	0.1	1,089.6	1.0	0.1	1,597.6	1.9	0.1	132.3	-0.1	0.1		
		-212.3	29.1		589.7	20.6		166.3	2.8		247.9	5.7		-4.7	2.5		
FPNYC9	6,296.7	1.8	1.1	4,970.0	2.3	0.5	1,009.0	0.5	0.5	1,476.7	1.0	0.6	98.0	-0.7	0.4		
		1,649.2	272.3		1,516.2	155.2		85.7	28.2		127.0	49.3		-39.0	12.2		
WGX7VT	4,609.3	0.0	0.2	3,645.0	0.3	0.4	956.0	0.2	0.3	1,343.0	-0.1	0.1	134.0	-0.1	0.1		
		-38.2	52.5		191.2	115.0		32.7	14.0		-6.7	11.3		-3.0	5.0		
QECBRZ	3,674.7	-1.0	0.6	3,450.0	0.0	0.3	798.7	-0.8	0.2	1,228.3	-0.9	0.2	90.7	-0.8	0.0		
		-972.8	141.6		-3.8	103.2		-124.7	11.6		-121.3	13.3		-46.3	0.6		
6VACMK	3,306.7	-1.4	0.8	2,886.7	-0.9	0.4	663.3	-1.6	0.4	1,115.7	-1.8	0.3	80.0	-1.0	0.3		
		-1,340.8	212.2		-567.2	109.7		-260.0	20.8		-234.0	21.4		-57.0	10.0		
DFA3JC	4,720.0	0.1	0.4	3,432.3	0.0	0.3	929.3	0.0	0.9	1,270.7	-0.6	0.1	206.7	1.3	0.3		
		72.5	90.7		-21.5	84.8		6.0	45.8		-79.0	6.1		69.7	10.0		



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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
DCARMD	5,950.7	1.4	0.4	4,213.3	1.1	0.7	1,046.3	0.8	0.4	1,397.3	0.4	1.4	167.0	0.5	0.3
	1,303.2	0.4	99.1	759.5	0.5	207.4	123.0	18.9	0.4	47.7	113.8	0.5	30.0	9.3	0.1
K2N3HD	5,022.8	375.3	33.1	3,755.3	301.5	106.0	925.3	2.0	19.7	1,444.0	94.3	43.6	174.5	37.5	3.6
	0.0	0.5	0.5	1.8	4.8	0.0	0.0	0.4	0.4	-0.9	0.1	0.1	-0.2	0.1	0.1
T9EFX6	4,655.0	7.5	123.0	4,662.0	1,208.2	1,442.5	916.0	-7.3	18.4	1,227.5	-122.2	12.0	125.0	-12.0	4.2
	-0.2	1.3	0.6	-0.3	0.6	-0.3	-0.3	0.8	0.8	0.3	0.3	0.3	1.1	0.4	0.4
3KE7UV	4,426.7	-220.8	342.2	3,251.7	-202.2	178.2	867.7	-55.7	39.4	1,384.0	34.3	24.3	194.7	57.7	13.8
	0.3	0.0	0.1	-0.2	0.1	0.1	-0.4	0.1	0.1	0.1	0.2	0.2	0.7	0.2	0.2
LZMPAC	4,962.0	314.5	7.8	3,338.3	-115.5	28.1	860.0	-63.3	6.6	1,369.3	19.7	12.4	173.7	36.7	8.1
	-1.1	0.4	0.4	-0.3	0.4	0.4	-0.7	0.7	0.7	-0.6	0.7	0.7	-0.1	0.3	0.3
BMDAYP	3,600.0	-1,047.5	100.0	3,233.3	-220.5	115.5	806.7	-116.7	35.1	1,266.7	-83.0	57.7	133.3	-3.7	11.5
	0.2	0.2	0.2	-0.6	0.2	0.2	-0.8	0.4	0.4	-0.3	0.1	0.1	1.8	0.2	0.2
T84DB7	4,880.5	233.0	42.9	3,030.8	-423.1	49.2	789.1	-134.2	20.2	1,313.0	-36.7	7.6	234.7	97.7	6.3
	0.3	0.0	0.0	-0.5	0.0	0.0	-0.7	0.1	0.1	-0.4	0.1	0.1	0.4	0.1	0.1
L2J8CD	4,959.3	311.8	8.3	3,127.3	-326.5	6.1	812.3	-111.0	3.1	1,293.3	-56.3	9.3	160.7	23.7	2.5
	-0.3	0.2	0.1	-0.2	0.1	0.1	1.0	1.3	1.3	0.4	1.3	1.3	1.6	0.2	0.2
79D4JP	4,374.9	-272.6	59.1	3,296.4	-157.5	29.7	1,083.6	160.2	67.3	1,408.5	58.9	102.8	222.3	85.3	7.0
	2.5	1.1	0.3	2.3	0.3	0.3	1.5	2.7	2.7	1.1	2.5	2.5	0.7	6.4	6.4
2WG8UU	7,014.3	2,366.8	284.4	5,000.3	1,546.5	79.0	1,155.3	232.0	138.3	1,492.7	143.0	202.2	174.0	37.0	217.4
	0.8	0.2	0.1	1.4	0.1	0.1	1.1	0.2	0.2	1.1	0.1	0.1	0.9	0.4	0.4
UNPG82	5,387.3	739.8	38.5	4,348.7	894.8	26.5	1,099.0	175.7	12.5	1,490.3	140.7	9.3	188.7	51.7	13.6
	0.3	0.2	0.6	0.2	0.6	0.6	0.0	0.8	0.8	-0.7	0.3	0.3	0.7	0.4	0.4
VBVLAX	4,959.0	311.5	57.6	3,560.0	106.2	186.7	921.3	-2.0	41.7	1,252.0	-97.7	27.1	173.7	36.7	12.6
	0.4	0.2	0.2	0.6	0.2	0.2	0.2	0.6	0.6	-0.4	0.0	0.0	-0.4	0.2	0.2
AM2DUK	5,033.3	385.8	57.7	3,833.3	379.5	57.7	956.7	33.4	32.1	1,300.0	-49.7	0.0	113.3	-23.7	5.8
	0.3	0.5	0.1	0.0	0.1	0.1	-0.7	0.3	0.3	-0.4	0.3	0.3	-0.2	0.1	0.1
3BBBBQ	4,974.7	327.2	116.5	3,457.7	3.8	37.5	806.7	-116.7	13.5	1,301.7	-48.0	25.5	123.7	-13.3	3.5
	-4.5	0.0	0.0	-4.5	0.0	0.0	-5.2	0.0	0.0	-8.8	0.0	0.0	-2.3	0.0	0.0
4JGF2L	438.8	-4,208.7	2.1	453.9	-3,000.0	3.8	89.0	-834.4	0.8	187.2	-1,162.4	2.6	11.6	-125.4	0.2
	1.2	1.6	1.6	1.6	3.8	3.8	1.3	0.8	0.8	0.5	2.6	2.6	-0.5	0.2	0.2
YTJ7GT	5,812.0	1,164.5	0.0	4,529.0	1,075.2	0.0	1,126.0	202.7	0.0	1,411.0	61.3	0.0	108.0	-29.0	0.0
	-0.4	0.4	0.2	-1.7	0.2	0.2	-2.0	0.1	0.1	-1.6	0.5	0.5	-1.3	0.1	0.1
4KCY3M	4,235.7	-411.8	94.6	2,305.3	-1,148.5	59.7	611.0	-312.3	6.6	1,135.7	-214.0	37.1	68.0	-69.0	5.0
	-0.3	0.5	0.1	-0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.1	0.1	-0.7	0.1	0.1
MZGWVZ	4,381.3	-266.2	128.5	3,374.5	-79.4	25.0	972.3	49.0	10.4	1,357.5	7.8	10.1	97.9	-39.1	3.4
	0.3	0.4	0.7	0.2	0.7	0.7	0.5	10.4	10.4	0.4	0.2	0.2	0.2	0.3	0.3
C8H8XB	4,920.0	272.5	105.8	3,580.0	126.2	225.4	1,000.0	76.7	0.0	1,400.0	50.3	20.0	146.7	9.7	11.5
	1.4	5.8	3.8	1.4	3.8	3.8	0.9	4.7	4.7	1.6	5.2	5.2	-0.2	0.5	0.5
ZZZ3WM	5,955.2	1,307.7	1,480.6	4,407.5	953.7	1,127.3	1,070.6	147.3	240.8	1,561.9	212.3	421.6	123.6	-13.4	17.6
	1.5	0.6	0.3	1.5	0.3	0.3	0.5	0.5	0.5	1.2	0.2	0.2	-0.5	0.1	0.1
PHEWWY	6,061.0	1,413.5	141.4	4,434.3	980.5	84.3	1,000.7	77.4	26.8	1,513.7	164.0	19.9	107.1	-29.9	4.3
	0.6	0.1	0.1	1.4	0.1	0.1	0.7	0.5	0.5	0.9	0.4	0.4	-0.9	0.1	0.1
X3EMTR	5,193.2	545.7	21.4	4,398.8	945.0	18.3	1,039.4	116.1	23.3	1,465.0	115.3	33.4	89.4	-47.6	4.0



ALP Program - Participant Web Summary Report - Cycle 29

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
XYFCWR	35.0	-4.9	0.0	25.6	-5.2	0.0	6.4	-5.7	0.0	6.9	-10.1	0.0	0.5	-2.5	0.0
		-4,612.5	0.4		-3,428.3	0.2		-916.9	0.2		-1,342.7	0.2		-136.5	0.0
		0.9	0.1		1.3	0.0		1.2	0.5		1.4	0.1		0.3	0.3
J6NUD7	5,467.0	819.5	35.5	4,326.7	872.8	12.0	1,118.0	194.7	23.6	1,531.0	181.3	11.5	154.5	17.5	10.9
		-0.2	0.3		-0.1	0.2		1.0	0.3		-0.2	0.3		1.2	0.2
DURWNB	4,468.0	-179.5	67.9	3,368.1	-85.7	46.1	1,088.8	165.5	14.7	1,318.3	-31.4	23.0	202.9	65.9	7.2
		-0.6			-0.3			-0.2			-0.6			0.0	
VNJNRP	4,054.0	-593.5	0.0	3,270.0	-183.8	0.0	888.0	-35.3	0.0	1,264.0	-85.7	0.0	135.0	-2.0	0.0
		-0.6	0.9		0.6	0.8		-1.0	1.2		0.9	1.0		1.2	0.4
DYXQH7	4,106.6	-540.9	239.0	3,830.3	376.5	252.6	766.9	-156.4	64.5	1,473.1	123.4	81.7	200.2	63.2	13.7
Grand Median		4,647.5			3,453.8			923.3			1,349.7			137.0	
Median Abs Dev		427.7			262.7			112.5			76.0			33.5	
Avg Within Lab SD		255.7			300.6			51.6			81.7			34.1	
Labs Included		44			44			44			44			44	
Labs Reporting		44			44			44			44			44	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 143)	in the Bases (1:10) Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GZ63WD	440.7	-0.1	0.5	305.3	0.3	0.3	80.7	0.0	0.3	312.0	0.1	0.6	20.3	-0.2	0.0	
		-3.2	11.8		16.0	5.5		-0.4	1.5		6.1	10.5		-2.2	0.6	
HRQGNA	489.3	0.8	0.3	333.4	0.9	0.6	87.7	0.5	0.6	362.3	1.3	0.6	24.8	0.2	0.1	
		45.5	8.1		44.1	8.8		6.7	3.3		56.4	10.4		2.3	2.2	
CJTVUF	509.1	1.1	1.2	306.3	0.3	1.6	111.5	2.2	4.5	353.3	1.1	2.4	33.2	0.8	1.8	
		65.2	29.8		17.0	24.7		30.4	25.6		47.4	42.6		10.7	28.2	
83L8FJ	476.6	0.5	0.4	287.7	0.0	0.2	90.1	0.6	0.5	361.0	1.3	0.2	19.0	-0.3	0.0	
		32.8	10.7		-1.7	2.9		9.0	2.7		55.1	4.0		-3.5	0.4	
BFZE6F	393.0	-0.8	0.1	279.4	-0.2	0.1	76.5	-0.3	0.1	298.8	-0.2	0.2	22.4	0.0	0.0	
		-50.9	3.5		-10.0	1.4		-4.5	0.6		-7.0	3.4		-0.1	0.7	
644GFL	429.8	-0.2	0.6	295.9	0.1	0.8	80.2	-0.1	0.4	295.1	-0.3	0.4	14.1	-0.7	0.2	
		-14.1	16.0		6.6	13.0		-0.9	2.2		-10.8	8.0		-8.4	3.0	
2GK3BP	395.3	-0.8	0.1	273.7	-0.3	0.5	101.0	1.4	1.4	288.7	-0.4	0.2	55.0	2.6	0.2	
		-48.5	2.5		-15.7	7.6		19.9	7.8		-17.2	3.2		32.5	3.6	
33JQFQ	403.0	-0.7	0.7	260.3	-0.6	1.3	78.7	-0.2	1.2	321.0	0.4	0.9	24.7	0.2	0.2	
		-40.8	17.7		-29.0	19.9		-2.4	6.7		15.1	17.1		2.2	2.5	
XNBEWV	420.3	-0.4	0.2	301.0	0.2	0.5	71.7	-0.7	1.0	314.0	0.2	0.2	10.3	-1.0	0.1	
		-23.5	5.1		11.7	8.5		-9.4	5.5		8.1	4.4		-12.2	1.2	
LM4ZL8	464.3	0.3	0.1	251.7	-0.8	0.2	73.3	-0.6	0.3	303.7	-0.1	0.4	22.0	0.0	0.1	
		20.5	3.1		-37.7	3.1		-7.7	1.5		-2.2	7.4		-0.5	1.0	
6BMKMN	429.3	-0.2	0.4	259.5	-0.6	0.2	84.0	0.2	0.2	308.1	0.1	0.2	32.3	0.8	0.0	
		-14.6	10.2		-29.9	3.5		2.9	1.0		2.2	3.7		9.8	0.6	
9JP2MJ	375.8	-1.1	0.7	241.3	-1.0	0.3	73.4	-0.6	0.7	265.8	-0.9	0.6	6.7	-1.2	0.0	
		-68.0	17.3		-48.0	4.0		-7.7	4.2		-40.1	11.2		-15.8	0.3	
PFR9KY	441.7	0.0	0.1	312.6	0.5	0.5	91.3	0.7	0.7	319.6	0.3	0.1	24.3	0.1	0.1	
		-2.1	3.3		23.2	8.3		10.2	3.8		13.7	1.7		1.8	1.1	
K8VMR6	499.3	0.9	0.2	324.3	0.7	0.5	97.3	1.2	0.4	355.0	1.1	0.3	34.3	0.9	0.0	
		55.5	5.1		35.0	7.5		16.3	2.1		49.1	4.6		11.8	0.6	
XWTMKR	468.3	0.4	0.1	332.4	0.9	0.2	95.4	1.0	0.3	359.3	1.2	0.2	17.8	-0.4	0.0	
		24.4	3.3		43.0	3.6		14.3	1.7		53.4	4.2		-4.7	0.1	
FPNYC9	558.7	1.9	1.0	380.7	1.8	0.9	83.7	0.2	0.6	346.0	0.9	0.6	11.0	-0.9	0.1	
		114.8	24.6		91.3	14.2		2.6	3.2		40.1	10.8		-11.5	1.7	
WGX7VT	463.0	0.3	0.1	301.7	0.2	0.8	81.2	0.0	0.2	312.7	0.2	0.1	18.7	-0.3	0.1	
		19.2	3.0		12.3	13.0		0.2	1.4		6.8	1.5		-3.8	0.8	
QECBRZ	386.3	-1.0	0.0	261.7	-0.6	0.2	65.7	-1.1	0.3	265.0	-0.9	0.3	14.0	-0.7	0.1	
		-57.5	0.6		-27.7	3.8		-15.4	1.5		-40.9	5.3		-8.5	1.0	
6VACMK	430.0	-0.2	0.5	243.0	-0.9	0.5	62.3	-1.4	0.4	268.3	-0.9	0.3	23.0	0.0	0.1	
		-13.8	12.1		-46.4	8.0		-18.7	2.5		-37.6	5.8		0.5	1.7	
DFA3JC	442.7	0.0	0.4	286.0	-0.1	0.5	76.0	-0.4	0.5	293.7	-0.3	0.1	28.7	0.5	0.1	
		-1.2	11.0		-3.4	8.7		-5.1	2.6		-12.2	1.2		6.2	1.5	



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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			Difference			W/L STD			Difference			W/L STD		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
DCARMD	439.4	-0.1	0.6	312.2	0.5	0.8	91.6	0.8	0.6	291.9	-0.3	1.0	29.2	0.5	0.1															
		-4.4	13.7		22.9	12.8		10.6	3.6		-14.0	17.1		6.7	2.3															
		0.3	0.2		0.3	0.1		0.2	0.7		0.2	0.3		0.3	0.1															
K2N3HD	462.7	18.8	5.8	303.7	14.4	1.2	83.3	2.3	4.2	316.5	10.6	4.9	26.2	3.7	1.3															
		-0.4	0.3		-0.4	0.9		0.0	0.6		-0.7	0.2		0.0	0.1															
T9EFX6	420.0	-23.8	8.5	268.5	-20.9	14.8	80.5	-0.6	3.5	274.0	-31.9	4.2	22.5	0.0	2.1															
		0.1	0.5		-0.5	1.8		0.1	0.5		0.6	0.4		0.4	0.1															
3KE7UV	449.0	5.2	11.4	265.0	-24.4	27.8	81.9	0.8	2.9	333.7	27.8	8.0	27.1	4.6	2.1															
		0.0	0.0		-0.3	0.1		0.1	0.1		-0.1	3.1		0.5	0.0															
LZMPAC	445.0	1.2	1.0	273.3	-16.0	2.3	82.0	0.9	0.5	303.7	-2.2	55.2	28.6	6.1	0.2															
		-0.7	0.8		-0.2	0.6		-0.6	0.1		-0.4	0.8		0.1	0.1															
BMDAYP	403.3	-40.5	20.8	280.0	-9.4	10.0	73.3	-7.7	0.6	286.7	-19.2	15.3	23.3	0.8	1.2															
		-0.9	0.3		-1.4	0.3		-1.1	0.0		-0.9	0.2		0.6	0.2															
T84DB7	392.3	-51.6	6.5	220.0	-69.4	4.9	66.5	-14.6	0.1	268.6	-37.3	4.2	30.6	8.1	2.8															
		-0.1	0.1		-0.7	0.2		-0.5	0.2		-0.2	0.2		0.2	0.0															
L2J8CD	437.7	-6.2	3.5	252.3	-37.0	3.1	73.7	-7.4	1.2	297.3	-8.6	3.8	25.3	2.8	0.3															
		0.6	0.2		0.7	0.0		0.2	0.6		1.0	0.2		0.4	0.0															
79D4JP	482.4	38.5	6.0	323.3	34.0	0.8	83.3	2.2	3.5	347.1	41.3	3.6	27.1	4.6	0.5															
		2.6	3.7		3.5	2.7		3.0	2.0		1.9	2.3		2.3	1.5															
2WG8UU	603.3	159.5	91.3	464.0	174.7	43.5	123.0	41.9	11.5	386.7	80.8	41.8	51.0	28.5	22.5															
		1.0	0.2		1.3	0.2		2.3	0.4		1.3	0.1		0.9	0.2															
UNPG82	507.3	63.5	4.7	357.0	67.7	3.0	112.7	31.6	2.5	362.7	56.8	2.1	33.3	10.8	2.9															
		0.4	0.7		-0.3	0.8		-0.5	0.4		-0.1	0.6		-0.1	0.1															
VBVLAX	468.3	24.5	17.9	274.0	-15.4	13.1	74.3	-6.7	2.5	300.0	-5.9	11.4	21.7	-0.8	1.5															
		-0.4	0.8		-0.1	0.7		0.1	0.8		-0.2	0.8		4.0	6.1															
AM2DUK	416.7	-27.2	20.8	283.3	-6.0	11.5	83.0	1.9	4.4	296.7	-9.2	15.3	72.7	50.2	93.0															
		-0.2	0.6		-0.2			0.4	0.9		-0.3	0.1		2.1	0.2															
3BBBBQ	432.7	-11.2	14.5	277.0	-12.4	0.0	86.0	4.9	5.0	295.0	-10.9	2.0	49.7	27.2	2.5															
		-6.1	0.2		-4.7	0.1		-5.0	0.0		-6.0	0.1		-1.6	0.0															
4JGF2L	77.0	-366.9	5.0	55.0	-234.3	2.3	12.0	-69.0	0.2	48.7	-257.1	2.4	2.2	-20.3	0.3															
		1.2			1.1			-0.1			0.3																			
YTJ7GT	519.0	75.2	0.0	345.0	55.7	0.0	80.2	-0.9	0.0	320.0	14.1	0.0																		
		1.3	2.0		0.5	0.5		0.5	1.8		0.2	1.3		-0.5	0.4															
4KCY3M	520.0	76.2	50.5	314.3	25.0	7.6	88.0	6.9	10.1	312.7	6.8	23.6	16.3	-6.2	6.7															
		-1.5	0.0		-0.8	0.1		-0.5	0.2		-1.2	0.2		-0.9	0.0															
MZGWVZ	351.8	-92.1	1.1	251.3	-38.0	2.2	73.8	-7.2	1.0	252.3	-53.6	3.5	11.2	-11.3	0.4															
		0.5	0.6		0.2	1.2		1.1	0.0		0.8			0.1	0.0															
C8H8XB	476.0	32.2	13.9	298.7	9.3	18.9	96.8	15.7	0.0	339.0	33.1	0.0	24.2	1.7	0.0															
		3.1	4.1		3.0	4.4		2.8	1.9		3.4	3.7		-0.3	0.1															
ZZZ3WM	628.8	185.0	102.3	438.8	149.5	68.9	120.0	39.0	11.0	453.6	147.7	67.5	18.9	-3.6	2.2															
		1.4	0.4		1.0	0.0		0.7	0.3		1.1	0.2		0.0	0.1															
PHEWWY	528.9	85.1	10.9	338.3	48.9	0.4	91.2	10.2	2.0	352.1	46.3	4.2	22.3	-0.2	1.1															
		0.6	0.1		0.8	0.0		0.3	0.3		0.8	0.4		-0.9	0.2															
X3EMTR	477.1	33.3	2.7	328.8	39.5	0.8	85.0	4.0	1.8	340.0	34.1	7.8	10.6	-11.9	2.4															



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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		
XYFCWR	4.7	-7.3	0.0	3.5	-5.7	0.0	0.9	-5.8	0.0	3.1	-7.0	0.0	0.2	-1.8	0.0
		-439.1	0.1		-285.9	0.0		-80.1	0.0		-302.8	0.0		-22.3	0.0
J6NUD7	477.1	0.5	0.1	333.1	0.9	0.3	93.7	0.9	0.5	326.8	0.5	0.2	22.3	0.0	0.1
		33.2	2.7		43.8	4.7		12.6	3.0		20.9	2.7		-0.2	2.0
DURWNB	480.0	0.6	0.0	328.9	0.8	0.3	80.9	0.0	0.6	347.4	1.0	0.1	26.8	0.3	0.2
		36.2	0.5		39.6	4.3		-0.2	3.4		41.5	2.0		4.3	3.1
VNJNRP	453.0	0.2		291.0	0.0		76.0	-0.4		270.0	-0.8		22.0	0.0	
		9.2	0.0		1.7	0.0		-5.1	0.0		-35.9	0.0		-0.5	0.0
DYXQH7	474.7	0.5	0.4	303.5	0.3	0.9	80.4	0.0	1.3	294.1	-0.3	1.0	46.2	1.9	0.2
		30.9	11.0		14.1	14.2		-0.6	7.4		-11.8	18.4		23.7	3.8
Grand Median		443.8			289.4			81.1			305.9			22.5	
Median Abs Dev		32.5			24.7			6.8			20.1			4.6	
Avg Within Lab SD		24.7			15.8			5.7			18.0			15.3	
Labs Included		44			44			44			44			43	
Labs Reporting		44			44			44			44			43	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 144)	in the Bases (1:10) Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GZ63WD	11.3	0.0	0.3	16.3	0.5	1.0	9.7	-0.1	0.2	17.3	0.0	0.2	7.7	0.0	0.4	
		0.0	0.6		3.4	3.5		-0.7	0.6		0.2	2.1		0.2	1.2	
HRQGNA	9.6	-0.2	0.2	12.6	-0.1	0.3	11.5	0.2	0.1	16.2	-0.1	0.0	7.0	-0.1	0.2	
		-1.7	0.3		-0.4	1.2		1.2	0.5		-0.9	0.6		-0.5	0.6	
CJTVUF	52.4	5.6	3.9	44.3	4.6	5.3	51.1	5.8	5.6	52.7	3.7	2.4	41.6	5.7	4.9	
		41.0	8.0		31.3	19.5		40.8	21.1		35.6	32.3		34.1	14.2	
83L8FJ	7.9	-0.5	0.1	9.8	-0.5	0.3	5.7	-0.7	0.3	13.5	-0.4	0.1	7.9	0.1	0.1	
		-3.4	0.2		-3.1	1.0		-4.6	1.2		-3.6	1.4		0.4	0.2	
BFZE6F	11.7	0.1	0.1	13.5	0.1	0.0	9.2	-0.2	0.0	18.7	0.2	0.0	7.1	-0.1	0.0	
		0.4	0.2		0.5	0.2		-1.2	0.1		1.6	0.3		-0.4	0.1	
644GFL	7.3	-0.5	0.4	11.9	-0.2	1.3	5.9	-0.6	0.5	16.3	-0.1	0.7	8.3	0.1	2.7	
		-4.1	0.8		-1.1	4.9		-4.4	2.0		-0.8	9.0		0.8	8.0	
2GK3BP	7.7	-0.5	0.3	9.3	-0.5	0.2	7.0	-0.5	0.3	13.7	-0.4	0.1	6.0	-0.2	0.3	
		-3.7	0.6		-3.6	0.6		-3.3	1.0		-3.4	1.2		-1.5	1.0	
33JQFQ	8.3	-0.4	0.3	8.3	-0.7	0.3	5.7	-0.7	0.2	14.0	-0.3	0.1	6.0	-0.2	0.6	
		-3.0	0.6		-4.6	1.2		-4.7	0.6		-3.1	1.0		-1.5	1.7	
XNBEWV	17.0	0.8	1.3	24.3	1.7	0.7	19.7	1.3	0.6	24.7	0.8	0.1	5.7	-0.3	0.2	
		5.7	2.6		11.4	2.5		9.3	2.1		7.6	1.5		-1.8	0.6	
LM4ZL8	13.7	0.3	0.2	13.0	0.0	0.1	12.8	0.4	0.1	23.1	0.6	0.1	12.3	0.8	0.2	
		2.4	0.4		0.0	0.2		2.5	0.2		6.0	0.9		4.9	0.6	
6BMKMN	14.6	0.4	0.3	13.5	0.1	0.1	10.5	0.0	0.2	17.4	0.0	0.0	9.9	0.4	0.2	
		3.3	0.5		0.6	0.4		0.1	0.6		0.3	0.7		2.4	0.7	
9JP2MJ	13.5	0.3	0.7	13.0	0.0	0.4	10.1	0.0	0.2	16.0	-0.1	0.1	6.7	-0.1	0.1	
		2.1	1.5		0.0	1.6		-0.2	0.8		-1.1	0.9		-0.7	0.3	
PFR9KY	21.1	1.3	0.2	19.5	1.0	0.3	14.7	0.6	0.2	21.8	0.5	0.1	13.6	1.0	0.6	
		9.7	0.4		6.5	1.0		4.4	0.8		4.7	0.9		6.1	1.8	
K8VMR6	17.7	0.9	0.3	21.0	1.2	0.3	16.7	0.9	0.2	23.7	0.7	0.0	15.3	1.3	0.2	
		6.3	0.6		8.0	1.0		6.3	0.6		6.6	0.6		7.9	0.6	
FPNYC9	1.9	-1.3	0.3	3.6	-1.4	0.1				5.8	-1.2	0.0				
		-9.5	0.6		-9.4	0.3					-11.3	0.6				
WGX7VT	6.7	-0.6	0.3	10.2	-0.4	0.4	4.3	-0.9	0.1	11.2	-0.6	0.1	6.8	-0.1	0.2	
		-4.7	0.6		-2.8	1.3		-6.0	0.5		-5.9	0.7		-0.7	0.7	
QECBRZ	11.3	0.0	0.3	14.3	0.2	0.4	10.3	0.0	0.4	17.0	0.0	0.1	8.7	0.2	0.5	
		0.0	0.6		1.4	1.5		0.0	1.5		-0.1	1.0		1.2	1.5	
6VACMK	10.0	-0.2	0.8	8.7	-0.6	0.6	3.7	-1.0	0.2	7.7	-1.0	0.1	6.0	-0.2	0.7	
		-1.3	1.7		-4.3	2.1		-6.7	0.6		-9.4	1.2		-1.5	2.0	
DCARMD	8.2	-0.4	2.9	9.5	-0.5	0.5	7.8	-0.4	0.7	14.7	-0.3	0.2	5.9	-0.3	0.9	
		-3.2	6.1		-3.5	1.8		-2.5	2.6		-2.4	2.2		-1.6	2.6	
T9EFX6	14.0	0.4	0.7	14.5	0.2	0.2	13.0	0.4	0.4	18.5	0.1	0.1	10.5	0.5	0.2	
		2.7	1.4		1.5	0.7		2.7	1.4		1.4	0.7		3.0	0.7	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
3KE7UV	99.4	11.9	0.9	110.3	14.4	1.1	132.1	17.4	1.8	132.4	12.0	0.4	35.1	4.6	0.4
		88.1	1.8		97.3	4.0		121.8	6.6		115.3	5.0		27.6	1.3
LZMPAC	11.7	0.1	0.3	12.3	-0.1	0.2	10.3	0.0	0.3	17.3	0.0	0.0	8.8	0.2	0.4
		0.4	0.6		-0.6	0.8		0.0	0.9		0.2	0.4		1.4	1.1
BMDAYP	14.3	0.4	1.6	15.7	0.4	0.7	10.2	0.0	0.4	62.7	4.8	5.5	8.6	0.2	0.3
		3.0	3.2		2.7	2.5		-0.1	1.5		45.6	75.6		1.2	0.9
T84DB7	14.8	0.5	0.7	14.1	0.2	0.1	11.8	0.2	0.0	17.6	0.1	0.0	12.8	0.9	0.1
		3.5	1.4		1.1	0.4		1.4	0.1		0.5	0.5		5.3	0.3
79D4JP	9.4	-0.3	0.2	12.7	0.0	0.1	11.2	0.1	0.2	17.1	0.0	0.0	6.7	-0.1	0.2
		-2.0	0.5		-0.3	0.4		0.9	0.8		0.0	0.7		-0.8	0.6
2WG8UU	65.0	7.3	17.2	76.0	9.4	6.9	60.3	7.1	7.0	59.7	4.4	2.5	47.3	6.6	8.3
		53.7	35.5		63.0	25.5		50.0	26.3		42.6	34.8		39.9	24.2
UNPG82	17.3	0.8	0.3	19.3	0.9	0.3	16.7	0.9	0.4	22.3	0.5	0.1	13.3	1.0	0.5
		6.0	0.6		6.4	1.2		6.3	1.5		5.2	1.2		5.9	1.5
VBVLAX	8.0	-0.5	0.5	8.3	-0.7	0.2	5.0	-0.8	0.3	13.3	-0.4	0.0	6.0	-0.2	0.3
		-3.3	1.0		-4.6	0.6		-5.3	1.0		-3.8	0.6		-1.5	1.0
AM2DUK	14.3	0.4	0.6	18.3	0.8	0.2	15.3	0.7	0.3	21.0	0.4	0.1	11.0	0.6	
		3.0	1.2		5.4	0.6		5.0	1.2		3.9	1.0		3.5	0.0
4JGF2L	0.7	-1.4	0.0	0.9	-1.8	0.0	0.5	-1.4	0.0	1.0	-1.7	0.0	0.3	-1.2	0.0
		-10.6	0.0		-12.0	0.1		-9.8	0.0		-16.1	0.0		-7.2	0.0
MZGWVZ	4.3	-0.9	0.3	9.0	-0.6	0.7	2.6	-1.1	0.2	6.6	-1.1	0.1	1.2	-1.0	0.3
		-7.0	0.6		-4.0	2.5		-7.8	0.9		-10.5	1.0		-6.3	0.8
C8H8XB	10.7	-0.1	0.6	12.0	-0.1	1.0	7.7	-0.4	0.4	16.1	-0.1	0.3	6.1	-0.2	0.5
		-0.6	1.3		-0.9	3.5		-2.7	1.3		-1.0	4.0		-1.3	1.3
ZZZ3WM	13.2	0.3	0.9	15.3	0.3	0.6	10.9	0.1	0.3	21.0	0.4	0.2	7.3	0.0	0.2
		1.9	1.9		2.3	2.1		0.6	1.0		3.9	3.3		-0.2	0.6
PHEWWY	13.2	0.2	0.2	14.2	0.2	0.0	11.9	0.2	0.1	18.5	0.1	0.0	9.0	0.2	0.0
		1.8	0.4		1.3	0.1		1.5	0.3		1.4	0.4		1.5	0.1
X3EMTR							18.4	1.2	1.0	20.0	0.3	0.0	28.4	3.5	0.5
								8.1	3.8		2.9	0.5		20.9	1.6
XYFCWR	0.1	-1.5	0.0	0.1	-1.9	0.0	0.1	-1.5	0.0	0.1	-1.8	0.0	0.0	-1.2	0.0
		-11.3	0.0		-12.9	0.0		-10.3	0.0		-17.0	0.0		-7.4	0.0
J6NUD7	14.1	0.4	1.4	14.4	0.2	0.6	11.6	0.2	0.2	26.0	0.9	0.0	9.6	0.3	0.5
		2.7	2.9		1.4	2.3		1.2	0.8		8.9	0.4		2.1	1.4
DURWNB	10.0	-0.2	0.4	13.1	0.0	0.5	11.1	0.1	0.3	16.8	0.0	0.1	6.4	-0.2	0.1
		-1.3	0.9		0.1	2.0		0.8	1.1		-0.4	1.3		-1.0	0.4
VNJNRP	21.0	1.3		22.0	1.3		16.0	0.8		25.0	0.8		13.0	0.9	
		9.7	0.0		9.0	0.0		5.7	0.0		7.9	0.0		5.5	0.0
DYXQH7	6.3	-0.7	0.9	10.6	-0.4	0.5	7.8	-0.4	0.6	11.5	-0.6	0.1	4.0	-0.6	0.6
		-5.0	1.8		-2.4	1.8		-2.5	2.3		-5.6	1.4		-3.5	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		
Grand Median		11.3			13.0			10.3			17.1			7.46	
Median Abs Dev		3.1			2.7			2.7			3.6			1.48	
Avg Within Lab SD		2.1			3.7			3.7			13.7			2.92	
Labs Included		36			36			36			37			36	
Labs Reporting		36			36			36			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		

Bray Extractable K (SubTestCode 145)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
P9QWN3	88.1	0.7	93.7	0.4	116.6	0.5	109.8	0.2	17.3	0.0	
		1.1		1.0		1.0		0.9		0.4	
4KCY3M	106.7	1.2	112.7	1.4	130.7	1.3	136.3	1.4	30.0	1.4	
		2.1		3.5		2.5		5.9		17.5	
Grand Median	97.4		103.2		123.6		123.1		23.6		
Median Abs Dev											
Avg Within Lab SD	1.7		2.6		1.9		4.2		12.4		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



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

K- Bicarb. (SubTestCode 146)	in the Bases (1:10) Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	105.7	-0.5	0.5	117.3	0.1	0.5	186.3	0.1	0.8	154.3	0.1	0.6	21.3	-0.3	1.5
		-9.5	2.1		1.9	3.2		4.0	6.1		1.6	4.5		-1.6	3.5
CJTVUF	110.5	-0.2	0.6	104.2	-0.5	0.1	147.4	-1.2	0.5	151.2	-0.1	0.7	24.5	0.3	1.2
		-4.7	2.4		-11.2	0.5		-34.9	3.8		-1.6	5.7		1.6	2.9
PFR9KY	119.9	0.2	1.5	113.5	-0.1	0.4	178.4	-0.1	1.6	139.4	-0.5	0.6	16.4	-1.1	0.6
		4.7	6.5		-1.9	2.2		-4.0	11.7		-13.4	5.0		-6.5	1.4
C8H8XB	153.0	1.8	1.0	162.0	2.0	1.9	218.7	1.2	0.8	213.0	2.1	1.7	29.2	1.1	0.3
		37.8	4.4		46.6	11.0		36.3	5.8		60.2	13.1		6.3	0.6
Grand Median		115.2		115.4			182.4			152.8			22.9		
Median Abs Dev		7.1		6.6			19.4			7.5			3.9		
Avg Within Lab SD		4.2		5.8			7.4			7.9			2.4		
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 147)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1601	1.0	SRSSRS1602	1.0	SRSSRS1603	1.0	SRSSRS1604	1.0	SRSSRS1605	1.0	
LVRZT6	127.7	4.0	155.0	2.6	176.7	2.3	156.0	3.0	15.3	0.6	
Grand Median	127.7		155.0		176.7		156.0		15.3		
Median Abs Dev											
Avg Within Lab SD	4.0		2.6		2.3		3.0		0.6		
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 148) in the Bases (1:10) Property Groups										
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		Data units: mg/kg
LVRZT6	8,614.0	1.0 435.2	5,114.3	1.0 98.6	944.3	1.0 17.2	1,335.3	1.0 34.3	83.3	1.0 3.5	
Grand Median	8,614.0		5,114.3		944.3		1,335.3		83.3		
Median Abs Dev											
Avg Within Lab SD	435.2		98.6		17.2		34.3		3.5		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Aluminum KCL Extr. (SubTestCode 149)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
AAUKBK	0.23	1.29	0.17	1.39	0.57	1.39	0.73	1.67	14.90	1.24	
		0.12		0.06		0.15		0.12		0.44	
83L8FJ	0.16	0.58	0.02	0.24	0.60	0.99	0.66	0.39	20.63	0.98	
		0.05		0.01		0.11		0.03		0.34	
GAPFPH					0.66	0.30	0.65	0.28	17.36	0.71	
						0.03		0.02		0.25	
Grand Median		0.20		0.09		0.60		0.66		17.4	
Median Abs Dev											
Avg Within Lab SD		0.09		0.04		0.11		0.07		0.4	
Labs Included		2		2		3		3		3	
Labs Reporting		2		2		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-1, P (SubTestCode 150)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
XWTMKR	13.5	1.0	1.9	48.4	0.4	1.1	76.0	-0.5	1.9	15.9	0.2	1.6	26.3	-0.5	1.4
		5.3	3.1		5.0	4.0		-3.5	10.5		0.2	1.5		-3.0	3.2
GAPFPH	6.4	-0.3	0.4	38.5	-0.4	0.1	74.2	-0.8	0.1	15.5	-0.2	0.7	25.2	-0.7	0.2
		-1.8	0.6		-5.0	0.4		-5.3	0.5		-0.2	0.7		-4.2	0.4
TNQUE3	10.0	0.3	0.6	51.0	0.6	0.3	86.0	0.9	0.6	18.0	2.1		34.3	0.9	1.3
		1.8	1.0		7.6	1.0		6.5	3.5		2.3	0.0		5.0	3.1
PWWNK7	2.2	-1.1	0.2	24.3	-1.4	1.6	83.0	0.5	0.3	15.5	-0.2	0.9	32.3	0.5	0.7
		-6.0	0.3		-19.1	5.9		3.5	1.7		-0.2	0.9		3.0	1.5
Grand Median		8.20			43.4			79.5			15.7			29.3	
Median Abs Dev		3.56			6.3			4.4			0.2			3.6	
Avg Within Lab SD		1.66			3.6			5.6			0.9			2.3	
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 151)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
XWTMKR	55.0	0.6	1.2	53.6	-1.4	2.0	111.0	-0.7	1.8	97.9	-0.4	1.9	17.3	0.6	1.9
		2.0	2.7		-16.7	36.6		-6.4	12.2		-2.2	10.4		0.8	2.3
GAPFPH	54.3	0.4	0.5	81.2	0.9	0.1	127.4	1.1	0.4	101.8	0.4	0.4	17.2	0.5	0.1
		1.3	1.2		10.8	1.0		9.9	3.0		1.7	2.3		0.6	0.1
TNQUE3	51.7	-0.4	0.3	72.7	0.2	0.1	113.0	-0.5	0.7	98.3	-0.4	0.4	16.0	-0.5	
		-1.3	0.6		2.3	1.2		-4.4	5.0		-1.7	2.1		-0.6	0.0
PWWNK7	48.0	-1.4	1.5	68.0	-0.2	0.1	121.8	0.5	0.4	107.5	1.5	0.3	15.3	-1.1	0.5
		-5.0	3.5		-2.3	2.0		4.4	3.0		7.4	1.5		-1.3	0.6
Grand Median		53.0		70.3			117.4			100.1			16.6		
Median Abs Dev		1.7		6.6			5.4			2.0			0.7		
Avg Within Lab SD		2.3		18.4			6.9			5.5			1.2		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

Mehlich-1, Ca (SubTestCode 152)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
XWTMKR	4,439.8	-0.6	2.0	3,462.1	-1.2	2.0	919.2	-1.6	1.9	915.4	-1.8	1.9	174.7	0.6	2.0
		-335.8	672.2		-559.4	589.6		-126.0	127.9		-108.5	151.5		14.5	54.1
GAPFPH	5,111.4	0.6	0.1	4,362.1	0.7	0.1	1,107.9	0.8	0.3	1,007.8	-0.3	0.3	143.6	-0.7	0.1
		335.8	21.3		340.6	39.7		62.8	23.5		-16.1	26.3		-16.6	1.6
TNQUE3	5,129.7	0.6	0.2	4,223.0	0.4	0.1	1,033.7	-0.1	0.5	1,047.3	0.4	0.5	181.3	0.9	0.1
		354.1	54.0		201.5	41.2		-11.5	36.8		23.4	41.4		21.2	1.5
PWWNK7	4,229.0	-0.9	0.0	3,820.0	-0.4	0.0	1,056.7	0.1	0.1	1,040.0	0.3	0.0	145.7	-0.6	0.1
		-546.6	8.5		-201.5	10.5		11.5	5.5		16.1	3.6		-14.5	4.0
Grand Median		4,775.6		4,021.5			1,045.2			1,023.9			160.2		
Median Abs Dev		344.9		271.0			37.1			19.8			15.5		
Avg Within Lab SD		337.4		296.2			67.6			79.6			27.1		
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 153)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1601	SRSSRS1602	SRSSRS1603	SRSSRS1604	SRSSRS1605										
XWTMKR	398.0	-0.1 1.9	335.4	-1.3 1.3	69.4	-1.5 1.6	231.1	-0.5 1.9	20.4	0.3 2.0					
		-4.0 29.5		-37.5 44.9		-7.5 5.8		-5.0 26.7		0.9 5.1					
GAPFPH	406.0	0.1 0.1	376.2	0.1 0.4	77.4	0.1 0.2	231.8	-0.5 0.4	16.7	-1.0 0.1					
		4.0 1.8		3.3 12.6		0.5 0.7		-4.2 5.7		-2.8 0.3					
TNQUE3	425.7	0.9 0.6	369.7	-0.1 0.5	76.3	-0.1 1.1	240.3	0.5 0.5	22.7	1.1 0.2					
		23.7 9.3		-3.3 18.0		-0.5 4.0		4.2 6.4		3.1 0.6					
PWWNK7	361.0	-1.5 0.1	409.3	1.2 1.3	81.5	0.9 0.6	248.0	1.3 0.1	18.7	-0.3 0.1					
		-41.0 1.7		36.4 44.1		4.6 2.3		11.9 2.0		-0.9 0.3					
Grand Median		402.0		372.9		76.9		236.1		19.5					
Median Abs Dev		13.8		19.8		2.6		4.6		1.8					
Avg Within Lab SD		15.5		33.3		3.7		14.1		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, Mn (SubTestCode 154)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
XWTMKR	3.7	1.1	1.8	18.5	0.3	1.6	8.7	-0.6	1.5	13.5	0.4	2.0	10.6	1.1	1.9
		1.4	0.8		0.5	1.6		-1.6	1.1		0.8	2.0		0.7	0.6
GAPFPH	2.1	-0.2	0.0	17.4	-0.3	0.3	8.9	-0.6	0.1	10.8	-0.9	0.1	9.2	-1.3	0.1
		-0.2	0.0		-0.5	0.3		-1.5	0.1		-1.9	0.1		-0.7	0.0
TNQUE3	2.5	0.2	0.5	20.4	1.2	1.0	11.8	0.6	0.6	11.9	-0.4	0.2	9.8	-0.2	0.6
		0.2	0.2		2.5	1.0		1.5	0.4		-0.8	0.2		-0.1	0.2
PWWNK7	0.8	-1.2	0.8	16.0	-0.9	0.5	13.0	1.0	1.2	14.7	1.0	0.3	10.0	0.2	
		-1.5	0.4		-1.9	0.5		2.6	0.9		2.0	0.3		0.1	0.0
Grand Median		2.29			17.9			10.4			12.7			9.90	
Median Abs Dev		0.81			1.2			1.6			1.4			0.38	
Avg Within Lab SD		0.46			1.0			0.7			1.0			0.31	
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 155)		in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg		
	SRSSRS1601	SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605						
XWTMKR	0.28	1.22	2.79	0.15	1.46	7.95	-1.61	1.79	1.32	-0.73	1.80	0.83	-0.50	1.46
		0.10	0.06	0.22		-0.85	0.90		-0.08	0.15		-0.04	0.07	
GAPFPH			2.66	-0.15	0.62	8.79	-0.01	0.65	1.33	-0.66	0.37	0.78	-1.01	0.22
		0.71	-0.06	0.09		0.00	0.33		-0.07	0.03		-0.09	0.01	
TNQUE3	0.23	0.06	2.83	0.25	0.38	8.80	0.01	0.60	1.47	0.66	0.71	0.93	0.69	1.21
			0.11	0.06		0.00	0.30		0.07	0.06		0.06	0.06	
PWWNK7			1.82	-2.15	1.16	9.37	1.08	0.11	1.47	0.66	0.35	0.92	0.50	0.60
			-0.91	0.18		0.57	0.06		0.07	0.03		0.04	0.03	
Grand Median	0.26		2.73			8.80			1.40			0.87		
Median Abs Dev			0.09			0.29			0.07			0.05		
Avg Within Lab SD	0.08		0.15			0.50			0.08			0.05		
Labs Included	2		4			4			4			4		
Labs Reporting	2		4			4			4			4		



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

Mehlich-3, Scoop Density (SubTestCode 156)			in the Mehlich-3 Multi-Element Property Groups												Data units: g/cm3		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
HRQGNA	0.97	-0.55	0.40	0.87	-0.35	0.57	0.80	-0.45	0.09	0.91	-0.66	0.20	1.25	-0.34	0.53		
6BMKMN	2.02	-0.19	0.01	1.80	-0.11	0.01	1.82	-0.17	0.00	2.06	-0.23	0.01	2.75	-0.17	0.01		
XWTMKR	1.13	2.58	1.22	1.80	2.57	1.00	1.82	2.28	1.11	2.06	2.69	0.20	2.75	2.78	1.99		
RMZ998	1.10	0.87	0.02	0.93	0.82	0.02	0.90	0.85	0.03	1.05	0.92	0.00	1.33	1.34	0.04		
T9EFX6	1.40	-0.06	1.30	0.93	-0.16	1.54	0.90	-0.18	0.62	1.05	-0.26	0.23	1.33	-0.17	0.92		
R9KB47	1.18	-0.02	0.03	0.92	-0.05	0.03	0.90	-0.07	0.02	1.10	-0.09	0.01	1.51	-0.08	0.02		
LZMPAC	1.20	-0.16	2.37	0.92	-0.19	1.87	0.90	-0.18	2.62	1.10	-0.11	2.44	1.51	0.20	1.62		
79D4JP	0.97	-0.05	0.05	1.24	-0.06	0.04	1.29	-0.07	0.08	1.28	-0.04	0.06	1.69	0.10	0.03		
YPJVKT	1.11	0.73	0.00	1.24	0.80	0.00	1.29	0.86	0.00	1.28	0.42	0.00	1.69	0.58	0.00		
DURWNB	0.97	0.25	0.00	1.24	0.26	0.00	1.29	0.32	0.00	1.28	0.14	0.00	1.69	0.28	0.00		
CPEWRJ	2.00	0.08	0.00	1.18	0.61	0.00	1.18	0.57	0.00	1.18	0.13	0.00	1.18	-0.48	0.00		
XHNEVW	1.17	0.03	0.00	1.18	0.20	0.00	1.18	0.21	0.00	1.18	0.04	0.00	1.18	-0.23	0.00		
HRQGNA	0.97	0.13	0.26	1.02	0.12	0.27	1.00	0.08	0.96	1.15	0.05	0.78	1.50	0.18	0.19		
6BMKMN	2.02	0.04	0.01	1.02	0.04	0.01	1.00	0.03	0.03	1.15	0.02	0.02	1.50	0.09	0.00		
XWTMKR	1.13	-0.55	0.15	0.84	-0.47	0.67	0.75	-0.57	0.88	0.91	-0.66	0.80	1.24	-0.36	1.06		
RMZ998	1.10	-0.19	0.00	0.84	-0.15	0.02	0.75	-0.21	0.03	0.91	-0.23	0.02	1.24	-0.18	0.02		
T9EFX6	1.40	2.52	1.66	1.73	2.33	1.44	1.79	2.20	1.15	1.97	2.42	2.12	2.61	2.49	1.53		
R9KB47	1.18	0.85	0.03	1.73	0.74	0.03	1.79	0.82	0.04	1.97	0.83	0.05	2.61	1.20	0.03		
LZMPAC	1.20	0.06	0.30	1.00	0.06	1.10	1.04	0.19	0.69	1.16	0.08	0.08	1.47	0.12	0.80		
79D4JP	0.97	0.02	0.01	1.00	0.02	0.02	1.04	0.07	0.02	1.16	0.03	0.00	1.47	0.06	0.02		
YPJVKT	1.11	-0.14	0.30	0.97	-0.06	0.98	0.94	-0.08	0.05	1.12	-0.05	0.00	1.35	-0.12	0.31		
DURWNB	0.97	-0.05	0.01	0.97	-0.02	0.02	0.94	-0.03	0.00	1.12	-0.02	0.00	1.35	-0.06	0.01		
Grand Median	0.97	-0.54	0.03	0.86	-0.39	0.19	0.81	-0.43	0.04	0.94	-0.58	0.42	1.28	-0.26	0.30		
Median Abs Dev	0.97	-0.18	0.00	0.86	-0.12	0.00	0.81	-0.16	0.00	0.94	-0.20	0.01	1.28	-0.13	0.01		
Avg Within Lab SD	0.97	1.15	0.98	0.97	1.14	1.41	0.97	1.14	1.41	0.97	1.14	1.41	0.97	1.14	1.41		
Labs Included	0.97	0.12	0.02	0.97	0.12	0.02	0.97	0.12	0.02	0.97	0.12	0.02	0.97	0.12	0.02		
Labs Reporting	0.97	0.02	0.02	0.97	0.02	0.02	0.97	0.02	0.02	0.97	0.02	0.02	0.97	0.02	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		

Mehlich-3, P Colorimetric (SubTestCode 157)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
83L8FJ	25.1	0.3	0.5	37.1	1.0	0.5	186.7	-0.1	0.7	31.7	0.1	0.2	89.4	1.9	0.4
		1.1	0.4		3.8	0.4		-3.2	2.1		0.2	0.2		21.8	0.9
6BMKMN	28.3	1.1	0.7	36.3	0.9	1.5	179.7	-0.3	1.1	31.0	-0.2	1.3	74.0	0.6	0.4
		4.2	0.6		3.1	1.2		-10.2	3.5		-0.5	1.0		6.4	1.0
6VACMK	22.3	-0.5	0.7	34.3	0.3	1.5	193.0	0.1	0.5	32.0	0.2	1.3	72.3	0.4	0.2
		-1.7	0.6		1.1	1.2		3.2	1.7		0.5	1.0		4.8	0.6
R9KB47	20.7	-0.9	0.7	29.3	-1.1	0.8	183.3	-0.2	1.8	31.3	-0.1	1.4	63.3	-0.4	2.4
		-3.4	0.6		-3.9	0.6		-6.5	5.8		-0.2	1.2		-4.3	5.8
YPKQ4Y	23.0	-0.3		31.0	-0.6		65.0	-3.4		32.0	0.2		56.0	-1.0	
		-1.1	0.0		-2.3	0.0		-124.8	0.0		0.5	0.0		-11.6	0.0
A9GXQK	20.8	-0.8	0.9	28.3	-1.4	0.8	193.0	0.1		27.8	-1.5	0.4	57.5	-0.9	1.0
		-3.2	0.8		-4.9	0.6		3.2	0.0		-3.7	0.3		-10.1	2.5
8CMGZN	25.7	0.4	0.3	33.5	0.1	0.7	207.7	0.5	0.8	28.3	-1.3	0.7	69.5	0.2	0.2
		1.6	0.3		0.3	0.5		17.8	2.5		-3.2	0.6		1.9	0.5
VBVLAX	28.3	1.1	2.4	33.0	-0.1	1.3	216.3	0.7	1.5	35.7	1.7	1.4	65.7	-0.2	0.9
		4.3	2.1		-0.3	1.0		26.5	4.7		4.1	1.2		-1.9	2.1
Grand Median		24.1		33.3			189.8			31.5			67.6		
Median Abs Dev		2.5		2.7			8.3			0.5			5.6		
Avg Within Lab SD		0.9		0.8			3.2			0.8			2.4		
Labs Included		8		8			8			8			8		
Labs Reporting		8		8			8			8			8		



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

Mehlich-3, P ICP-AES (SubTestCode 158)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	20.0	-1.3	0.5	28.8	-1.5	0.2	214.8	0.3	0.2	25.0	-1.4	0.5	91.7	0.0	0.3	
		-5.7	0.5		-7.8	0.3		7.8	0.8		-5.3	0.5		-0.3	0.8	
HRQGNA	25.7	0.0	1.0	36.6	0.0	0.9	220.0	0.5	1.7	28.8	-0.4	0.9	91.9	0.0	0.2	
		0.0	1.0		0.0	1.0		13.0	7.6		-1.5	0.9		0.0	0.7	
P9QWN3	32.8	1.6	0.9	42.9	1.2	0.8	213.9	0.3	0.3	33.2	0.8	0.6	97.5	0.5	0.2	
		7.1	0.9		6.3	0.9		6.9	1.4		2.9	0.6		5.6	0.7	
GBLMGA	26.7	0.2	0.6	40.0	0.6		269.7	2.4	1.0	33.0	0.7	1.0	89.7	-0.2	0.7	
		0.9	0.6		3.4	0.0		62.7	4.6		2.7	1.0		-2.3	2.1	
2GK3BP	25.4	-0.1	1.4	37.4	0.1	0.7	212.2	0.2	0.8	31.8	0.4	0.6	97.2	0.5	0.6	
		-0.4	1.4		0.8	0.9		5.2	3.5		1.4	0.6		5.3	1.9	
37H3CQ	31.8	1.3	0.9	41.9	1.0	1.3	215.7	0.3	0.9	38.4	2.2	1.6	97.6	0.5	1.3	
		6.0	0.9		5.3	1.6		8.7	3.9		8.0	1.6		5.7	3.9	
LM4ZL8	29.3	0.8	1.6	42.3	1.1	1.3	201.7	-0.2	0.7	32.0	0.4	2.0	84.7	-0.6	1.2	
		3.6	1.5		5.7	1.5		-5.3	3.1		1.7	2.0		-7.3	3.5	
F92H9C	24.0	-0.4	2.3	33.7	-0.6	1.0	192.9	-0.5	0.7	27.5	-0.7	0.6	82.5	-0.8	0.6	
		-1.7	2.2		-3.0	1.1		-14.1	3.3		-2.8	0.6		-9.4	1.8	
XWTMKR	26.5	0.2	0.2	35.6	-0.2	0.5	179.3	-1.0	0.1	30.8	0.1	0.2	94.0	0.2	0.2	
		0.8	0.2		-1.0	0.6		-27.7	0.3		0.4	0.1		2.1	0.7	
DFA3JC	24.0	-0.4		35.7	-0.2	0.5	194.7	-0.5	0.3	30.3	0.0	0.6	94.3	0.2	0.2	
		-1.7	0.0		-1.0	0.6		-12.3	1.5		0.0	0.6		2.4	0.6	
YKBCLZ	21.9	-0.9	0.3	32.5	-0.8	0.3	171.7	-1.3	0.4	29.3	-0.3	0.6	92.4	0.0	0.5	
		-3.9	0.3		-4.2	0.4		-35.3	1.7		-1.0	0.6		0.5	1.4	
RMZ998	29.7	0.9	1.6	40.0	0.6	1.5	205.7	-0.1	0.8	36.3	1.6	0.6	72.3	-1.7	2.0	
		3.9	1.5		3.4	1.7		-1.3	3.5		6.0	0.6		-19.6	6.0	
T9EFX6	20.0	-1.3	1.8	35.0	-0.3	3.0	139.7	-2.5	0.6	24.7	-1.5	1.2	60.0	-2.8	0.7	
		-5.7	1.7		-1.6	3.5		-67.3	2.9		-5.7	1.2		-31.9	2.0	
LZMPAC	24.0	-0.4	0.3	36.5	0.0	0.4	208.7	0.1	0.3	32.2	0.5	0.1	92.5	0.1	0.4	
		-1.7	0.3		-0.1	0.5		1.7	1.5		1.9	0.1		0.6	1.1	
738BNU	33.1	1.6	0.2	43.8	1.3	0.7	199.3	-0.3	0.7	36.8	1.7	0.1	99.2	0.6	0.4	
		7.3	0.2		7.1	0.8		-7.7	3.3		6.4	0.1		7.2	1.3	
L2J8CD	24.3	-0.3	0.4	33.9	-0.5	0.3	207.0	0.0	0.6	29.8	-0.1	0.7	94.4	0.2	0.1	
		-1.4	0.4		-2.7	0.3		0.0	2.6		-0.5	0.7		2.5	0.3	
CJDKVM	26.2	0.1	1.8	35.5	-0.2	0.0	208.3	0.1	0.1	28.9	-0.4	0.1	83.5	-0.7		
		0.4	1.7		-1.1	0.1		1.3	0.6		-1.5	0.1		-8.4	0.0	
79D4JP	20.1	-1.3	1.4	28.3	-1.6	0.4	204.6	-0.1	0.4	28.1	-0.6	2.5	91.4	-0.1	0.5	
		-5.7	1.4		-8.3	0.5		-2.4	1.7		-2.3	2.5		-0.6	1.5	
2WG8UU	27.7	0.4	0.6	39.0	0.4	0.9	181.0	-1.0	2.0	30.7	0.1	0.6	76.0	-1.4	0.9	
		1.9	0.6		2.4	1.0		-26.0	9.0		0.3	0.6		-15.9	2.6	
CPEWRJ	27.3	0.4	0.5	44.0	1.4	0.8	237.2	1.1	1.4	33.2	0.8	1.3	70.9	-1.8	1.0	
		1.6	0.5		7.3	0.9		30.2	6.3		2.9	1.3		-21.0	3.0	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
TJBJ2Y	24.0	-0.4	0.3	37.6	0.2	0.3	223.8	0.6	0.2	31.2	0.2	0.1	92.0	0.0	0.4
		-1.8	0.3		1.0	0.4		16.8	0.8		0.9	0.1		0.0	1.1
XHNEVW	30.6	1.1	0.3	41.4	0.9	1.3	207.0	0.0	0.8	34.3	1.1	0.4	104.1	1.1	1.3
		4.8	0.3		4.7	1.5		0.0	3.6		4.0	0.4		12.1	3.9
49YVGP	24.7	-0.2	0.6	36.7	0.0	1.3	204.3	-0.1	2.2	29.3	-0.3	1.6	82.0	-0.9	2.0
		-1.1	0.6		0.0	1.5		-2.7	9.6		-1.0	1.5		-9.9	6.1
LVRZT6	26.4	0.1	0.7	45.3	1.6	2.0	238.6	1.2	1.3	32.5	0.6	1.2	94.0	0.2	1.7
		0.7	0.7		8.6	2.3		31.6	5.7		2.2	1.2		2.1	5.1
67Q7RL	24.2	-0.4	0.2	35.6	-0.2	0.5	191.0	-0.6	2.0	29.5	-0.2	0.2	80.3	-1.0	0.5
		-1.6	0.2		-1.1	0.6		-16.0	8.9		-0.9	0.2		-11.7	1.6
7CWYLG	31.3	1.3	1.6	41.3	0.9	0.5	128.0	-3.0	1.2	30.0	-0.1	1.0	66.7	-2.2	0.7
		5.6	1.5		4.7	0.6		-79.0	5.3		-0.3	1.0		-25.3	2.1
DM76CB	26.6	0.2	0.9	35.8	-0.2	0.7	230.8	0.9	1.1	29.7	-0.2	0.8	97.3	0.5	2.3
		0.9	0.9		-0.8	0.8		23.8	4.8		-0.7	0.8		5.4	6.9
DURWNB	25.6	0.0	0.4	34.4	-0.4	0.1	202.9	-0.2	0.5	29.1	-0.3	1.1	92.0	0.0	0.6
		-0.1	0.4		-2.3	0.1		-4.1	2.0		-1.2	1.1		0.1	1.7
BLKJTA	16.7	-2.0	0.6	27.3	-1.7	0.5	217.0	0.4	0.2	23.7	-1.8	0.6	81.7	-0.9	1.3
		-9.1	0.6		-9.3	0.6		10.0	1.0		-6.7	0.6		-10.3	3.8
Grand Median		25.7		36.6			207.0			30.3			91.9		
Median Abs Dev		1.7		3.0			10.0			1.7			5.6		
Avg Within Lab SD		1.0		1.2			4.4			1.0			3.0		
Labs Included		29		29			29			29			29		
Labs Reporting		29		29			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	Sample Mean	Z Score	k Score	Sample Mean	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 159)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
YAA32W	138.8	-0.2	0.0	139.5	-0.5	0.2	171.3	0.8	0.5	155.8	-0.5	0.0	25.7	0.2	0.3		
		-3.6	0.3		-10.3	1.0		18.6	3.8		-8.3	0.3		1.0	0.8		
HRQGNA	150.7	0.4	0.6	149.5	0.0	0.4	159.6	0.3	0.7	160.6	-0.2	0.4	25.8	0.2	0.5		
		8.4	2.9		-0.3	2.7		6.9	5.7		-3.4	2.0		1.2	1.6		
P9QWN3	165.6	1.1	0.3	162.4	0.6	0.1	154.8	0.1	0.2	172.0	0.4	0.3	26.0	0.2	0.2		
		23.3	1.8		12.6	0.9		2.1	1.9		8.0	1.5		1.3	0.6		
GBLMGA	138.7	-0.2	1.2	148.7	-0.1	0.2	154.0	0.1	0.1	166.3	0.1	0.7	24.7	0.0	0.4		
		-3.7	5.9		-1.2	1.2		1.3	1.0		2.3	3.8		0.0	1.2		
37H3CQ	150.3	0.4	1.7	155.6	0.3	0.2	157.4	0.2	1.0	167.7	0.2	0.3	26.6	0.4	0.4		
		7.9	8.6		5.8	1.3		4.8	7.3		3.7	1.8		1.9	1.3		
LM4ZL8	139.7	-0.1	0.7	140.3	-0.5	0.2	150.0	-0.1	0.3	147.7	-0.9	0.6	22.7	-0.4	0.5		
		-2.7	3.8		-9.5	1.5		-2.7	2.6		-16.3	3.1		-2.0	1.5		
6BMKMN	160.2	0.8	0.7	157.0	0.4	0.4	156.0	0.1	0.1	159.3	-0.3	0.4	31.3	1.2	0.2		
		17.9	3.7		7.2	2.6		3.3	1.0		-4.7	2.3		6.7	0.6		
F92H9C	147.8	0.3	1.8	130.4	-1.0	1.4	133.8	-0.8	0.9	137.3	-1.5	1.3	24.9	0.0	0.4		
		5.4	8.9		-19.4	8.9		-18.9	6.5		-26.7	7.2		0.2	1.2		
XWTMKR	160.4	0.9	0.9	151.0	0.1	0.6	149.2	-0.2	0.0	176.2	0.7	0.6	24.3	-0.1	0.0		
		18.1	4.4		1.1	3.8		-3.4	0.3		12.2	3.0		-0.3	0.1		
DFA3JC	133.3	-0.4	0.7	145.3	-0.2	0.7	147.3	-0.2	0.4	165.0	0.1	0.2	24.7	0.0	0.4		
		-9.0	3.5		-4.5	4.2		-5.3	3.2		1.0	1.0		0.0	1.2		
YKBCLZ	141.7	0.0	1.0	150.2	0.0	0.3	157.3	0.2	0.1	177.2	0.7	0.2	22.8	-0.3	0.1		
		-0.6	5.3		0.3	2.0		4.6	0.4		13.2	1.3		-1.9	0.2		
RMZ998	125.7	-0.8	1.5	146.0	-0.2	0.9	149.7	-0.1	0.3	145.7	-1.0	1.5	24.7	0.0	5.0		
		-16.7	7.6		-3.8	6.0		-3.0	2.1		-18.3	8.1		0.0	15.0		
T9EFX6	171.3	1.4	0.8	189.0	2.0	1.0	234.7	3.7	3.7	184.7	1.2	2.1	18.0	-1.2	0.7		
		29.0	4.2		39.2	6.2		82.0	28.5		20.7	11.2		-6.7	2.0		
R9KB47	137.0	-0.3	0.3	142.3	-0.4	0.8	151.3	-0.1	0.9	151.3	-0.7	1.3	21.7	-0.5	0.7		
		-5.3	1.7		-7.5	4.9		-1.3	7.0		-12.7	7.2		-3.0	2.1		
LZMPAC	137.3	-0.2	0.4	151.7	0.1	0.2	149.7	-0.1	0.3	170.7	0.4	0.6	21.5	-0.6	0.8		
		-5.0	2.1		1.8	1.2		-3.0	2.5		6.7	3.2		-3.2	2.4		
YPKQ4Y	142.0	0.0		146.0	-0.2		140.0	-0.6		168.0	0.2		27.6	0.5	0.0		
		-0.3	0.0		-3.8	0.0		-12.7	0.0		4.0	0.0		2.9	0.0		
738BNU	164.4	1.0	0.2	170.5	1.0	0.5	179.8	1.2	0.1	162.5	-0.1	0.2	30.0	1.0	0.2		
		22.1	1.1		20.7	3.2		27.2	1.1		-1.5	1.0		5.4	0.7		
L2J8CD	130.0	-0.6	0.5	135.0	-0.7	0.7	148.3	-0.2	0.3	161.7	-0.1	0.3	25.3	0.1	0.2		
		-12.3	2.6		-14.8	4.6		-4.3	2.1		-2.3	1.5		0.6	0.6		
CJDKVM	138.3	-0.2	0.1	130.3	-1.0	0.1	139.0	-0.6		149.3	-0.8	0.1	19.2	-1.0	0.0		
		-4.0	0.6		-19.5	0.6		-13.7	0.0		-14.7	0.6		-5.4	0.1		
79D4JP	146.5	0.2	0.6	146.4	-0.2	0.4	146.1	-0.3	0.1	160.9	-0.2	0.9	23.2	-0.3	0.4		
		4.2	2.9		-3.4	2.4		-6.5	0.9		-3.1	5.0		-1.5	1.2		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
2WG8UU	141.0	-0.1	1.1	169.3	1.0	0.6	186.7	1.5	0.3	173.7	0.5	1.5	10.0	-2.7	1.8
		-1.3	5.6		19.5	3.5		34.0	2.3		9.7	8.3		-14.7	5.3
A9GXQK	134.0	-0.4	0.4	141.3	-0.4	0.5	143.3	-0.4	0.4	163.3	0.0	0.2	30.7	1.1	0.4
		-8.3	2.0		-8.5	3.1		-9.3	3.1		-0.7	1.2		6.0	1.2
8CMGZN	144.1	0.1	0.2	148.5	-0.1	0.2	138.2	-0.6	0.1	156.1	-0.4	0.2	26.7	0.4	0.1
		1.7	0.9		-1.3	1.3		-14.5	0.8		-7.9	0.9		2.0	0.4
CPEWRJ	212.3	3.3	0.2	235.2	4.3	0.3	241.7	4.0	0.2	215.4	2.9	0.5	35.1	1.9	0.7
		70.0	0.9		85.3	2.0		89.0	1.4		51.4	2.4		10.5	2.2
VBVLAX	153.7	0.5	1.0	161.0	0.6	1.0	182.3	1.3	1.2	146.7	-1.0	1.0	31.7	1.3	0.5
		11.3	5.1		11.2	6.2		29.7	9.1		-17.3	5.5		7.0	1.5
TJBJ2Y	139.0	-0.2	0.2	151.4	0.1	0.2	154.6	0.1	0.4	164.7	0.0	0.1	21.6	-0.6	0.2
		-3.3	1.0		1.5	1.3		1.9	2.9		0.7	0.6		-3.1	0.5
XHNEVW	178.5	1.7	0.4	159.8	0.5	0.3	171.2	0.8	0.6	183.1	1.1	0.1	23.5	-0.2	0.4
		36.2	2.0		9.9	1.9		18.5	4.3		19.1	0.4		-1.2	1.2
49YVGP	129.0	-0.6	0.4	133.3	-0.8	0.5	142.3	-0.5	0.8	150.0	-0.8		20.3	-0.8	0.2
		-13.3	2.0		-16.5	3.2		-10.3	5.8		-14.0	0.0		-4.3	0.6
LVRZT6	137.4	-0.2	2.6	158.5	0.4	4.3	163.0	0.5	3.1	172.6	0.5	1.0	23.3	-0.2	0.8
		-4.9	13.2		8.6	27.6		10.4	23.5		8.6	5.3		-1.3	2.5
67Q7RL	121.3	-1.0	0.3	131.3	-0.9	0.4	126.3	-1.2	0.3	142.0	-1.2	0.2	28.3	0.7	0.5
		-21.0	1.5		-18.5	2.5		-26.3	2.5		-22.0	1.0		3.6	1.5
7CWYLG	229.3	4.1	1.8	191.7	2.1	0.4	145.3	-0.3	1.3	178.3	0.8	2.7	19.0	-1.0	
		87.0	9.0		41.8	2.3		-7.3	9.8		14.3	14.5		-5.7	0.0
DM76CB	162.8	1.0	2.3	160.2	0.5	2.4	157.3	0.2	1.0	195.8	1.8	2.9	22.7	-0.4	0.3
		20.4	11.7		10.4	15.2		4.6	7.7		31.8	15.6		-1.9	1.0
DURWNB	142.7	0.0	0.6	140.9	-0.5	0.4	145.7	-0.3	1.1	160.0	-0.2	0.1	22.2	-0.5	0.3
		0.3	3.2		-9.0	2.2		-7.0	8.3		-4.0	0.7		-2.5	0.9
BLKJTA	151.0	0.4	0.2	176.0	1.3	0.5	179.0	1.2	0.2	188.7	1.4	0.5	41.3	3.0	0.5
		8.7	1.0		26.2	3.0		26.3	1.7		24.7	2.5		16.7	1.5
Grand Median		142.3			149.8			152.7			164.0			24.7	
Median Abs Dev		8.4			9.2			7.2			9.1			2.3	
Avg Within Lab SD		5.0			6.4			7.6			5.4			3.0	
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 160)			in the Mehlich-3 Multi-Element Property Groups										Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	5,924.8	0.3	0.8	3,850.2	-0.3	0.4	1,105.8	0.2	0.9	1,332.0	-0.7	0.1	236.3	0.5	0.3
		199.7	141.3		-187.5	89.6		49.8	61.7		-98.0	6.5		35.6	5.8
HRQGNA	5,528.4	-0.3	0.2	3,915.7	-0.2	0.4	1,115.4	0.3	0.4	1,425.2	0.0	0.2	277.8	1.2	0.5
		-196.7	29.1		-122.0	81.8		59.4	28.3		-4.8	11.7		77.1	9.8
P9QWN3	8,275.9	4.1	0.6	5,106.3	1.7	0.7	1,201.3	0.7	0.3	1,510.7	0.6	0.5	155.9	-0.7	0.4
		2,550.8	100.1		1,068.7	150.8		145.3	22.5		80.7	27.2		-44.7	8.1
GBLMGA	5,806.7	0.1	1.3	4,077.0	0.1	0.0	869.0	-0.9	0.1	1,374.3	-0.4	0.4	187.0	-0.2	0.3
		81.6	216.4		39.3	9.5		-187.0	8.2		-55.7	23.6		-13.7	7.0
37H3CQ	5,914.0	0.3	0.1	4,447.2	0.7	0.1	1,097.8	0.2	0.3	1,416.9	-0.1	0.4	233.1	0.5	0.4
		188.9	11.9		409.5	14.7		41.8	20.9		-13.1	25.1		32.4	9.3
LM4ZL8	6,180.0	0.7	0.6	4,037.7	0.0	0.4	927.3	-0.6	0.0	1,430.0	0.0	2.0	152.3	-0.7	0.2
		454.9	96.0		0.0	73.2		-128.7	2.5		0.0	117.6		-48.3	5.1
F92H9C	5,268.9	-0.7	0.6	3,466.9	-0.9	1.4	985.3	-0.3	0.8	1,212.3	-1.7	1.5	212.9	0.2	1.0
		-456.2	98.6		-570.7	283.6		-70.7	56.2		-217.7	88.9		12.2	21.0
XWTMKR	5,502.3	-0.4	0.1	3,949.0	-0.1	0.1	1,056.0	0.0	0.3	1,517.3	0.7	0.1	185.2	-0.2	0.2
		-222.8	11.5		-88.7	12.5		0.0	21.0		87.3	8.5		-15.5	3.1
DFA3JC	5,248.3	-0.8	0.6	3,817.0	-0.4	0.4	1,033.7	-0.1	0.8	1,413.0	-0.1	0.1	229.3	0.4	0.5
		-476.8	99.7		-220.7	92.8		-22.3	50.8		-17.0	6.6		28.7	11.1
YKBCLZ	5,388.3	-0.5	0.3	3,870.3	-0.3	0.1	1,059.7	0.0	0.1	1,506.3	0.6	0.1	207.9	0.1	0.0
		-336.8	48.6		-167.3	13.0		3.7	4.0		76.3	5.1		7.2	1.0
RMZ998	5,536.7	-0.3	1.6	4,370.0	0.5	0.1	1,246.7	0.9	2.7	1,506.7	0.6	2.3	323.7	1.9	4.7
		-188.5	263.1		332.3	26.5		190.7	185.0		76.7	136.1		123.0	98.0
T9EFX6	5,869.7	0.2	1.6	5,227.0	1.9	1.2	1,662.7	3.0	0.4	1,463.3	0.3	0.8	158.3	-0.7	0.2
		144.6	271.4		1,189.3	243.1		606.7	29.9		33.3	44.0		-42.3	3.5
R9KB47	6,855.0	1.8	1.6	4,213.7	0.3	0.1	1,030.7	-0.1	0.8	1,489.7	0.5	0.5	211.7	0.2	0.4
		1,129.9	275.0		176.0	30.4		-25.3	50.6		59.7	27.2		11.0	8.1
LZMPAC	5,839.0	0.2	0.4	4,098.3	0.1	0.1	1,000.3	-0.3	0.3	1,368.0	-0.5	0.5	234.3	0.5	0.5
		113.9	75.0		60.7	20.4		-55.7	18.0		-62.0	30.4		33.7	10.5
YPKQ4Y	4,508.0	-2.0		3,810.0	-0.4		727.0	-1.6		1,359.0	-0.5		303.0	1.6	
		-1,217.1	0.0		-227.7	0.0		-329.0	0.0		-71.0	0.0		102.3	0.0
738BNU	6,162.4	0.7	0.1	4,779.7	1.2	0.9	1,230.4	0.9	0.3	1,471.2	0.3	0.2	273.8	1.1	0.6
		437.3	9.7		742.0	188.7		174.4	20.8		41.2	14.2		73.2	13.2
L2J8CD	5,478.7	-0.4	0.4	3,793.3	-0.4	0.3	1,000.7	-0.3	0.1	1,314.7	-0.9	0.3	200.7	0.0	0.1
		-246.5	59.0		-244.3	54.0		-55.3	10.1		-115.3	17.5		0.0	1.5
CJDKVM	5,685.0	-0.1	0.0	3,543.3	-0.8	0.0	952.3	-0.5	0.0	1,302.0	-1.0		163.7	-0.6	0.0
		-40.1	5.0		-494.3	4.5		-103.7	0.6		-128.0	0.0		-37.0	0.6
79D4JP	5,577.6	-0.2	0.3	3,848.6	-0.3	0.3	1,028.4	-0.1	0.3	1,365.7	-0.5	0.3	279.0	1.2	0.3
		-147.5	45.9		-189.0	55.7		-27.6	20.3		-64.3	19.2		78.4	5.4
2WG8UU	5,619.3	-0.2	0.4	4,936.3	1.4	0.1	1,153.7	0.5	1.9	1,492.0	0.5	1.3	120.7	-1.2	1.9
		-105.8	74.5		898.7	30.7		97.7	125.0		62.0	76.3		-80.0	40.1



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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		
A9GXQK	5,806.7	0.1	0.3	3,860.7	-0.3	0.4	1,050.0	0.0	0.3	1,298.7	-1.0	0.3	270.0	1.1	0.6
		81.6	48.3		-177.0	79.1		-6.0	21.0		-131.3	16.3		69.3	12.1
8CMGZN	5,603.3	-0.2	1.7	3,996.0	-0.1	0.4	1,003.3	-0.3	0.0	1,271.0	-1.2	0.1	223.7	0.4	0.1
		-121.8	287.5		-41.7	81.4		-52.7	2.1		-159.0	3.6		23.0	1.5
CPEWRJ	6,123.6	0.6	0.4	4,940.4	1.5	0.3	1,726.8	3.3	2.6	1,738.0	2.3	0.8	167.9	-0.5	0.2
		398.5	62.6		902.8	58.7		670.8	172.7		308.0	45.5		-32.8	4.6
VBVLAX	5,038.0	-1.1	1.1	3,762.0	-0.4	0.8	1,605.0	2.7	0.7	1,224.0	-1.6	1.2	182.3	-0.3	0.1
		-687.1	188.4		-275.7	157.7		549.0	45.2		-206.0	68.8		-18.3	2.5
XHNEVW	6,131.0	0.7	0.4	4,288.3	0.4	0.3	1,141.6	0.4	0.4	1,582.0	1.2	0.3	146.1	-0.8	0.2
		405.9	75.0		250.7	54.7		85.6	28.3		152.0	14.9		-54.6	4.9
49YVGP	5,547.7	-0.3	0.4	3,671.3	-0.6	0.4	928.7	-0.6	0.8	1,297.0	-1.0	0.4	147.7	-0.8	0.1
		-177.5	75.0		-366.3	83.0		-127.3	51.5		-133.0	25.4		-53.0	1.2
LVRZT6	7,600.7	3.0	2.4	4,791.7	1.2	3.4	1,127.0	0.3	2.5	1,462.3	0.2	1.0	183.9	-0.3	1.1
		1,875.6	408.6		754.0	710.6		71.0	170.2		32.3	55.6		-16.8	23.6
7CWYLG	5,609.0	-0.2	2.7	4,744.0	1.1	0.7	1,195.7	0.7	0.9	1,505.3	0.6	2.0	127.3	-1.1	0.1
		-116.1	460.4		706.3	146.0		139.7	62.1		75.3	119.5		-73.3	2.5
DM76CB	5,725.1	0.0	0.8	4,777.4	1.2	3.4	968.5	-0.4	1.0	1,443.0	0.1	2.8	188.6	-0.2	0.4
		0.0	141.2		739.7	711.2		-87.5	69.3		13.0	166.3		-12.1	7.6
DURWNB	5,753.9	0.0	0.2	3,877.2	-0.3	0.4	1,055.6	0.0	0.4	1,500.9	0.5	0.3	285.0	1.3	0.5
		28.8	41.0		-160.5	76.0		-0.4	28.6		70.9	15.5		84.3	10.9
BLKJTA	5,905.3	0.3	0.0	5,223.0	1.9	0.0	1,174.3	0.6	0.1	1,541.3	0.8	0.1	177.3	-0.4	0.1
		180.2	5.0		1,185.3	3.0		118.3	3.8		111.3	3.2		-23.3	2.5
Grand Median		5,725.1			4,037.7			1,056.0			1,430.0			200.7	
Median Abs Dev		196.7			250.7			85.6			75.3			35.6	
Avg Within Lab SD		168.6			206.7			67.4			58.5			20.9	
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, Mg (SubTestCode 161)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
YAA32W	497.3	-0.6	0.2	300.7	-0.6	0.1	88.8	0.0	0.2	307.3	-0.8	0.0	33.0	0.3	0.2		
		-30.8	3.8		-29.6	1.5		0.3	0.8		-28.4	0.3		4.0	1.0		
HRQGNA	554.5	0.5	0.7	339.2	0.2	1.1	83.2	-0.4	1.0	333.5	-0.1	0.8	24.7	-0.4	0.5		
		26.5	12.8		8.9	17.3		-5.2	4.1		-2.2	9.6		-4.3	2.9		
P9QWN3	712.7	3.5	0.5	438.8	2.3	1.1	106.9	1.4	0.3	356.9	0.6	1.4	35.5	0.6	0.1		
		184.7	9.9		108.5	17.5		18.5	1.5		21.2	17.2		6.6	0.7		
GBLMGA	546.3	0.4	0.4	329.3	0.0	0.1	75.7	-1.0	0.5	343.3	0.2	1.1	18.0	-0.9			
		18.3	7.5		-0.9	1.5		-12.8	2.1		7.7	13.5		-11.0	0.0		
37H3CQ	556.2	0.5	0.1	378.4	1.0	0.2	94.1	0.4	0.6	337.3	0.0	0.5	35.4	0.5	0.2		
		28.2	2.0		48.1	3.3		5.7	2.5		1.6	6.2		6.5	1.4		
LM4ZL8	487.7	-0.8	0.6	314.7	-0.3	0.1	76.3	-0.9	0.4	294.7	-1.1	0.4	22.3	-0.6	0.1		
		-40.3	12.1		-15.6	1.5		-12.1	1.5		-41.0	4.5		-6.6	0.6		
F92H9C	437.5	-1.7	0.9	265.6	-1.4	1.4	75.9	-0.9	1.3	275.9	-1.6	1.5	34.8	0.5	1.1		
		-90.5	16.9		-64.7	22.1		-12.5	5.6		-59.8	18.4		5.8	6.7		
XWTMKR	535.8	0.2	0.1	312.5	-0.4	0.4	83.7	-0.4	0.1	359.0	0.6	0.0	23.2	-0.5	0.1		
		7.8	2.5		-17.8	5.8		-4.7	0.4		23.3	0.4		-5.7	0.4		
DFA3JC	494.7	-0.6	0.6	319.7	-0.2	0.6	85.0	-0.3	0.6	328.0	-0.2	0.1	32.3	0.3	0.3		
		-33.3	12.5		-10.6	9.8		-3.4	2.6		-7.7	1.0		3.4	1.5		
YKBCLZ	515.8	-0.2	0.3	316.6	-0.3	0.2	88.4	0.0	0.2	360.5	0.7	0.1	33.7	0.4	0.1		
		-12.2	5.5		-13.7	2.9		0.0	0.7		24.9	1.8		4.8	0.4		
RMZ998	504.3	-0.5	0.9	359.3	0.6	0.5	86.7	-0.1	0.4	316.0	-0.5	0.6	37.0	0.7	5.2		
		-23.7	17.1		29.1	7.6		-1.8	1.5		-19.7	7.2		8.0	31.2		
T9EFX6	653.7	2.4	1.6	441.3	2.4	1.5	129.7	3.1	0.4	417.0	2.2	1.8	21.3	-0.6	0.2		
		125.7	30.5		111.1	23.4		41.3	1.5		81.3	22.3		-7.6	1.2		
R9KB47	534.0	0.1	0.7	339.0	0.2	0.3	100.7	0.9	0.7	338.0	0.1	1.2	32.0	0.3			
		6.0	13.7		8.7	5.2		12.3	2.9		2.3	15.6		3.0	0.0		
LZMPAC	517.7	-0.2	0.3	329.7	0.0	0.2	89.9	0.1	0.1	354.7	0.5	0.6	36.9	0.7	0.0		
		-10.3	6.0		-0.6	3.8		1.5	0.6		19.0	8.1		8.0	0.2		
YPKQ4Y	490.0	-0.7		356.0	0.5		99.0	0.8		351.0	0.4		84.0	4.7			
		-38.0	0.0		25.7	0.0		10.6	0.0		15.3	0.0		55.0	0.0		
738BNU	564.1	0.7	0.4	387.5	1.2	1.2	101.6	1.0	0.3	337.0	0.0	0.5	33.7	0.4	0.3		
		36.1	8.0		57.3	18.1		13.2	1.2		1.4	5.9		4.7	1.6		
L2J8CD	487.3	-0.8	0.2	299.0	-0.7	0.6	82.7	-0.4	0.3	300.0	-0.9	0.3	29.0	0.0	0.0		
		-40.7	3.1		-31.3	8.9		-5.8	1.2		-35.7	3.6		0.0	0.1		
CJDKVM	518.3	-0.2	0.0	276.7	-1.1	0.1	74.3	-1.1	0.1	304.0	-0.8		21.7	-0.6	0.1		
		-9.7	0.6		-53.6	1.2		-14.1	0.6		-31.7	0.0		-7.3	0.6		
79D4JP	548.4	0.4	0.5	333.9	0.1	0.3	75.9	-0.9	0.6	301.2	-0.9	3.1	25.9	-0.3	0.3		
		20.4	8.9		3.6	4.3		-12.5	2.6		-34.5	39.0		-3.1	2.0		
2WG8UU	545.0	0.3	0.3	404.7	1.6	0.4	98.3	0.7	0.6	368.7	0.9	0.4	17.0	-1.0	0.7		
		17.0	6.2		74.4	6.8		9.9	2.5		33.0	5.5		-12.0	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		
A9GXQK	479.7	-0.9	0.3	315.3	-0.3	0.7	86.0	-0.2	0.2	290.7	-1.2	0.5	39.3	0.9	0.4
		-48.3	5.8		-14.9	10.5		-2.4	1.0		-45.0	5.8		10.4	2.5
8CMGZN	547.0	0.4	0.1	347.7	0.4	0.2	96.3	0.6	0.4	335.7	0.0	0.0	47.2	1.5	0.1
		19.0	2.6		17.4	3.2		7.9	1.6		0.0	0.4		18.2	0.8
CPEWRJ	523.1	-0.1	0.1	383.8	1.1	0.1	106.1	1.3	0.6	351.5	0.4	0.2	27.8	-0.1	0.1
		-4.9	2.2		53.5	0.8		17.7	2.7		15.8	2.6		-1.2	0.4
VBVLAX	528.0	0.0	0.3	302.7	-0.6	1.2	89.3	0.1	1.1	266.7	-1.8	0.4	23.3	-0.5	0.3
		0.0	6.6		-27.6	19.0		0.9	4.5		-69.0	5.0		-5.6	1.5
XHNEVW	563.4	0.7	0.2	330.3	0.0	0.2	84.0	-0.3	0.6	361.7	0.7	0.3	19.7	-0.8	0.0
		35.4	4.0		0.0	2.9		-4.4	2.4		26.1	4.3		-9.3	0.3
49YVGP	425.0	-2.0	0.3	289.3	-0.9	0.7	69.0	-1.5	0.2	273.3	-1.7	0.6	21.7	-0.6	0.3
		-103.0	6.2		-40.9	10.3		-19.4	1.0		-62.3	7.6		-7.3	2.1
LVRZT6	557.8	0.6	3.0	367.2	0.8	4.2	85.9	-0.2	4.0	347.5	0.3	1.0	24.3	-0.4	0.9
		29.8	58.0		36.9	64.7		-2.5	16.6		11.9	13.0		-4.7	5.4
7CWYLG	534.3	0.1	1.6	370.0	0.8	0.5	93.7	0.4	0.8	351.7	0.4	2.3	20.3	-0.7	0.1
		6.3	31.1		39.7	7.0		5.3	3.5		16.0	29.5		-8.6	0.6
DM76CB	523.7	-0.1	3.5	315.4	-0.3	1.0	90.8	0.2	2.4	311.6	-0.6	1.3	31.1	0.2	0.4
		-4.3	68.5		-14.9	15.5		2.4	10.2		-24.1	15.9		2.1	2.6
DURWNB	538.8	0.2	0.6	315.5	-0.3	0.4	75.4	-1.0	0.7	323.1	-0.3	0.2	25.0	-0.3	0.1
		10.8	12.1		-14.8	5.9		-13.0	2.9		-12.5	3.1		-3.9	0.4
BLKJTA	502.0	-0.5	0.2	336.0	0.1	0.3	92.3	0.3	0.5	323.0	-0.3	0.5	36.7	0.7	0.3
		-26.0	4.6		5.7	5.3		3.9	2.1		-12.7	6.2		7.7	1.5
Grand Median		528.0			330.3			88.4			335.7			29.0	
Median Abs Dev		26.0			25.7			5.8			21.2			6.5	
Avg Within Lab SD		19.6			15.6			4.2			12.6			6.0	
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, Na (SubTestCode 162)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
HRQGNA	12.3	-0.1	0.2	9.9	-0.5	0.2	10.8	0.1	0.7	15.9	-0.2	0.3	9.9	0.0	0.3		
		-0.9	0.6		-3.4	0.5		0.4	3.1		-1.5	2.6		0.2	1.5		
GBLMGA	23.7	1.7	1.1	11.7	-0.2	0.2	16.3	0.8	0.3	26.7	1.2	0.2	16.0	1.1	0.3		
		10.4	3.1		-1.6	0.6		6.0	1.5		9.3	1.5		6.4	1.7		
LM4ZL8	24.7	1.8	0.2	21.0	1.1	0.4	10.3	0.0	0.1	8.2	-1.1	0.0	7.3	-0.4	0.0		
		11.4	0.6		7.7	1.0		0.0	0.6		-9.1	0.1		-2.4	0.1		
F92H9C	11.5	-0.3	0.2	13.5	0.0	0.4	11.7	0.2	0.4	17.6	0.0	0.4	12.4	0.5	0.5		
		-1.8	0.5		0.2	1.0		1.3	1.6		0.3	2.9		2.8	2.5		
DFA3JC	10.0	-0.5	0.7	13.2	0.0	1.6	10.1	0.0	0.6	16.0	-0.2	0.6	10.2	0.1	0.7		
		-3.3	2.0		-0.1	4.4		-0.3	2.5		-1.3	4.6		0.5	3.5		
RMZ998	9.3	-0.6	0.2	10.3	-0.4	0.2	7.3	-0.4	0.1	12.3	-0.6	0.1	6.0	-0.6	0.2		
		-3.9	0.6		-2.9	0.6		-3.0	0.6		-5.0	0.6		-3.6	1.0		
T9EFX6	16.3	0.5	0.2	24.0	1.6	1.5	16.7	0.9	0.3	22.7	0.7	0.7	10.0	0.1	0.2		
		3.1	0.6		10.7	4.0		6.3	1.5		5.3	5.5		0.4	1.0		
LZMPAC	7.4	-1.0	0.4	8.6	-0.7	0.2	4.7	-0.8	0.2	12.3	-0.6	0.1	4.2	-0.9	0.0		
		-5.9	1.1		-4.7	0.6		-5.7	0.9		-5.0	1.0		-5.5	0.2		
YPKQ4Y	10.4	-0.5	0.0	12.0	-0.2	0.0	10.3	0.0		16.0	-0.2	0.0	9.4	0.0	0.0		
		-2.8	0.0		-1.3	0.0		-0.1	0.0		-1.4	0.0		-0.2	0.0		
738BNU	14.1	0.1	0.1	14.6	0.2	0.4	10.5	0.0	0.1	19.0	0.2	0.1	10.2	0.1	0.1		
		0.8	0.4		1.4	1.2		0.1	0.6		1.6	1.1		0.5	0.7		
CJDKVM	10.5	-0.4	0.0	11.7	-0.2	0.0	5.7	-0.6	0.0	13.1	-0.5	0.0	4.5	-0.9	0.0		
		-2.7	0.1		-1.6	0.0		-4.7	0.0		-4.2	0.1		-5.1	0.1		
79D4JP	12.8	-0.1	0.4	10.1	-0.5	0.3	5.8	-0.6	0.3	17.0	0.0	0.1	9.9	0.0	0.3		
		-0.5	1.0		-3.2	0.9		-4.5	1.4		-0.3	0.7		0.2	1.8		
2WG8UU	22.3	1.5	1.1	26.7	1.9	1.9	33.7	3.2	4.1	55.3	4.8	4.2	30.0	3.5	4.2		
		9.1	3.1		13.4	5.0		23.3	18.0		38.0	34.3		20.4	21.7		
CPEWRJ	24.7	1.9	1.6	33.1	2.9	1.1	32.6	3.1	0.2	23.7	0.8	0.2	10.0	0.1	0.2		
		11.5	4.3		19.8	2.9		22.3	0.9		6.4	1.3		0.3	1.0		
VBVLAX	11.0	-0.4	0.4	10.0	-0.5	0.7	5.7	-0.6	0.3	11.3	-0.8	0.2	4.0	-1.0	0.2		
		-2.3	1.0		-3.3	1.7		-4.7	1.2		-6.0	1.5		-5.6	1.0		
XHNEVW	7.6	-0.9	0.0	7.7	-0.8	0.1	3.6	-0.9	0.0	11.9	-0.7	0.0	2.2	-1.3	0.0		
		-5.7	0.1		-5.6	0.2		-6.8	0.2		-5.4	0.0		-7.5	0.1		
49YVGP	17.7	0.7	0.9	21.3	1.2	0.2	17.3	1.0	0.3	20.7	0.4	0.1	21.7	2.1	0.3		
		4.4	2.5		8.1	0.6		7.0	1.5		3.3	0.6		12.0	1.5		
LVRZT6	13.8	0.1	3.6	14.6	0.2	2.9	10.4	0.0	1.4	18.7	0.2	1.2	8.2	-0.3	1.2		
		0.5	9.6		1.4	7.7		0.0	6.1		1.4	9.6		-1.5	6.0		
7CWYLG	14.0	0.1	0.4	16.0	0.4	0.7	9.3	-0.1	0.1	18.3	0.1	0.2	7.3	-0.4	0.1		
		0.7	1.0		2.7	1.7		-1.0	0.6		1.0	1.5		-2.3	0.6		
DURWNB	14.8	0.2	0.3	13.3	0.0	0.4	10.5	0.0	0.3	18.7	0.2	0.2	9.2	-0.1	0.2		
		1.5	0.8		0.1	1.2		0.1	1.4		1.3	1.9		-0.5	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		
Grand Median		13.3		13.3			10.4			17.3			9.65		
Median Abs Dev		2.9		3.1			3.8			3.8			2.35		
Avg Within Lab SD		2.7		2.7			4.4			8.2			5.21		
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 163)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
HRQGNA	5.3	-0.2	1.1	10.8	-0.1	0.9	19.1	0.5	0.8	42.8	0.0	0.5	11.1	0.3	0.8			
		-2.5	1.1		-1.4	0.8		2.7	1.1		0.2	1.4		1.0	1.3			
GBLMGA	106.3	7.7	3.2	85.3	7.0	1.2	32.0	3.0	0.8	56.0	1.3	0.7	11.0	0.3				
		98.5	3.2		73.2	1.2		15.5	1.0		13.4	2.0		0.9	0.0			
37H3CQ	5.6	-0.2	0.4	9.2	-0.3	1.7	11.6	-0.9	0.9	40.9	-0.2	0.1	11.0	0.3	0.6			
		-2.2	0.4		-2.9	1.6		-4.8	1.2		-1.8	0.3		0.9	0.9			
LM4ZL8	9.5	0.1	0.2	14.7	0.2	1.6	10.3	-1.2	0.4	21.0	-2.2	0.3	2.2	-2.4	0.1			
		1.7	0.2		2.5	1.5		-6.1	0.6		-21.6	1.0		-7.9	0.1			
F92H9C	17.7	0.8	1.1	16.1	0.4	1.4	11.4	-1.0	0.3	24.7	-1.8	0.2	7.4	-0.8	0.3			
		9.9	1.1		3.9	1.3		-5.1	0.4		-17.9	0.5		-2.7	0.5			
XWTMKR	9.3	0.1	0.2	13.6	0.1	0.1	17.3	0.2	0.1	48.7	0.6	0.1	12.6	0.7	0.2			
		1.5	0.2		1.5	0.1		0.9	0.1		6.1	0.2		2.4	0.4			
DFA3JC	22.3	1.1	1.1	19.0	0.7	1.1	11.0	-1.1		24.0	-1.9		5.3	-1.4	0.0			
		14.5	1.2		6.9	1.0		-5.5	0.0		-18.6	0.0		-4.8	0.1			
YKBCLZ	9.7	0.1	0.1	12.4	0.0	0.2	17.4	0.2	0.2	47.3	0.5	0.2	12.7	0.7	0.1			
		1.9	0.1		0.3	0.2		0.9	0.3		4.7	0.6		2.5	0.1			
RMZ998	7.7	0.0	1.5	12.7	0.0	1.2	18.3	0.4	1.6	45.0	0.2		10.0	0.0	2.4			
		-0.1	1.5		0.5	1.2		1.9	2.1		2.4	0.0		-0.1	4.0			
T9EFX6	8.2	0.0	0.2	14.4	0.2	0.5	18.4	0.4	0.9	39.6	-0.3	1.6	6.9	-1.0	0.1			
		0.4	0.2		2.2	0.5		2.0	1.2		-3.0	4.6		-3.2	0.1			
LZMPAC	7.5	0.0	0.5	11.9	0.0	0.7	15.9	-0.1	0.6	45.6	0.3	0.1	10.1	0.0	0.2			
		-0.3	0.5		-0.3	0.6		-0.6	0.8		3.0	0.2		0.0	0.4			
YPKQ4Y	6.9	-0.1	0.0	10.8	-0.1	0.0	15.9	-0.1	0.0	41.3	-0.1	0.0	9.2	-0.3	0.0			
		-0.9	0.0		-1.4	0.0		-0.6	0.0		-1.3	0.0		-0.9	0.0			
738BNU	9.5	0.1	0.4	15.1	0.3	0.5	20.7	0.8	0.4	49.3	0.7	0.4	12.0	0.5	0.4			
		1.7	0.4		3.0	0.5		4.3	0.5		6.6	1.1		1.8	0.6			
L2J8CD	6.4	-0.1	0.2	10.0	-0.2	0.1	15.2	-0.2	0.3	40.0	-0.3	0.2	9.2	-0.3	0.1			
		-1.4	0.3		-2.1	0.1		-1.3	0.4		-2.6	0.5		-1.0	0.3			
CJDKVM	7.7	0.0	0.0	11.5	-0.1	0.1	17.0	0.1		40.5	-0.2	0.2	10.2	0.0	0.0			
		-0.1	0.0		-0.6	0.1		0.5	0.0		-2.1	0.5		0.0	0.0			
79D4JP	4.1	-0.3	0.9	10.5	-0.2	1.0	17.3	0.2	0.1	43.9	0.1	1.9	10.4	0.1	0.5			
		-3.8	0.9		-1.7	1.0		0.8	0.1		1.2	5.6		0.3	0.9			
2WG8UU	60.7	4.1	2.1	59.7	4.5	0.6	36.7	3.9	3.9	71.3	2.9	3.6	23.3	3.9	3.9			
		52.9	2.1		47.5	0.6		20.2	5.1		28.7	10.4		13.2	6.7			
CPEWRJ	8.5	0.1	0.2	13.3	0.1	0.2	16.7	0.1	0.3	42.5	0.0	0.1	6.9	-1.0	0.0			
		0.7	0.2		1.2	0.2		0.3	0.4		-0.2	0.3		-3.2	0.1			
XHNEVW	3.4	-0.3	0.1	8.1	-0.4	0.2	13.4	-0.6	0.1	48.3	0.6	0.2	8.3	-0.5	0.2			
		-4.4	0.1		-4.0	0.2		-3.1	0.2		5.6	0.7		-1.8	0.4			
49YVGP	7.9	0.0	0.6	11.0	-0.1	0.5	14.5	-0.4	0.1	28.7	-1.4	0.1	10.8	0.2	0.4			
		0.1	0.6		-1.2	0.5		-1.9	0.2		-14.0	0.3		0.7	0.7			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
LVRZT6	6.4	-0.1	1.0	11.1	-0.1	1.7	15.3	-0.2	0.9	42.1	-0.1	0.3	8.3	-0.5	0.6
		-1.4	1.0		-1.1	1.6		-1.2	1.2		-0.5	0.8		-1.8	1.1
7CWYLG	11.8	0.3	0.3	17.8	0.5	0.2	18.4	0.4	0.5	46.3	0.4	0.9	9.1	-0.3	0.3
		4.0	0.3		5.7	0.2		1.9	0.6		3.7	2.5		-1.0	0.4
DM76CB	7.0	-0.1	0.3	11.4	-0.1	0.7	16.2	-0.1	1.0	41.2	-0.1	1.4	10.5	0.1	0.4
		-0.8	0.3		-0.7	0.6		-0.3	1.3		-1.5	4.2		0.4	0.7
DURWNB	5.3	-0.2	0.8	7.7	-0.4	2.3	15.8	-0.1	0.6	44.4	0.2	0.9	11.8	0.5	0.7
		-2.5	0.8		-4.5	2.2		-0.7	0.8		1.8	2.6		1.7	1.1
Grand Median		7.80			12.2			16.5			42.6			10.1	
Median Abs Dev		1.72			1.9			1.9			3.0			1.4	
Avg Within Lab SD		1.01			0.9			1.3			2.9			1.7	
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, Al (SubTestCode 164)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
HRQGNA	345.8	-0.5	0.2	671.3	-0.2	0.4	1,621.4	0.0	0.6	799.4	-0.2	0.4	614.8	0.1	0.3
		-48.2	8.5		-18.4	14.8		0.0	32.4		-22.3	17.7		13.8	13.0
LM4ZL8	410.0	0.2	0.0	726.7	0.4	0.1	1,809.7	0.8	1.1	813.7	-0.1	0.1	581.0	-0.2	0.1
		16.0	2.0		37.0	4.9		188.3	57.1		-8.0	3.2		-20.0	5.3
RMZ998	336.0	-0.6	3.0	780.3	0.9	0.6	1,706.7	0.4	1.2	1,022.3	1.6	2.7	649.3	0.5	3.1
		-58.0	122.4		90.7	20.2		85.3	60.3		200.7	112.0		48.3	129.6
T9EFX6	105.0	-3.0	0.1	747.7	0.6	0.6	1,662.3	0.2	0.8	873.3	0.4	0.9	454.7	-1.4	0.2
		-289.0	2.6		58.0	19.8		41.0	43.8		51.7	35.8		-146.3	7.5
LZMPAC	365.3	-0.3	0.3	689.7	0.0	0.6	1,505.0	-0.5	0.5	821.7	0.0	0.2	601.0	0.0	0.3
		-28.7	13.6		0.0	20.7		-116.4	24.6		0.0	6.5		0.0	12.0
CJDKVM	380.3	-0.1	0.0	661.3	-0.3	0.0	1,532.0	-0.4	0.0	768.0	-0.4		543.3	-0.6	0.0
		-13.7	0.6		-28.3	0.6		-89.4	1.7		-53.7	0.0		-57.7	0.6
79D4JP	380.8	-0.1	0.6	665.5	-0.2	0.3	1,468.5	-0.6	0.2	809.2	-0.1	0.3	591.7	-0.1	0.2
		-13.3	24.7		-24.2	10.8		-152.8	11.7		-12.4	12.1		-9.3	7.2
2WG8UU	514.0	1.3	0.5	846.3	1.5	0.4	1,674.0	0.2	0.9	1,055.0	1.8	0.5	719.0	1.2	0.6
		120.0	21.7		156.7	12.3		52.6	48.1		233.3	22.5		118.0	23.5
XHNEVW	476.3	0.9	0.1	749.5	0.6	1.0	1,631.4	0.0	0.2	948.5	1.0	0.1	672.4	0.7	0.9
		82.2	5.5		59.8	33.5		10.1	9.5		126.8	4.8		71.4	40.1
LVRZT6	505.3	1.2	0.5	997.7	3.0	2.5	2,124.3	2.1	1.3	1,177.7	2.8	1.1	828.2	2.2	1.1
		111.2	19.9		308.1	87.2		503.0	65.2		356.0	45.4		227.2	45.0
7CWYLG	449.7	0.6	1.1	674.3	-0.2	1.8	1,298.7	-1.3	1.9	816.3	0.0	1.6	432.3	-1.7	0.9
		55.6	43.8		-15.3	62.3		-322.7	100.3		-5.3	66.2		-168.7	39.7
DM76CB	399.5	0.1	1.3	647.9	-0.4	1.1	1,185.3	-1.8	1.5	821.9	0.0	0.8	599.4	0.0	0.4
		5.5	51.3		-41.7	37.8		-436.1	75.7		0.2	34.0		-1.6	14.9
DURWNB	394.0	0.0	0.3	635.8	-0.5	0.2	1,491.6	-0.5	0.8	781.4	-0.3	0.0	606.2	0.1	0.1
		0.0	13.6		-53.8	8.3		-129.8	43.8		-40.3	1.6		5.2	5.8
Grand Median		394.0		689.7			1,621.4			821.7			601.0		
Median Abs Dev		48.2		41.7			116.4			40.3			48.3		
Avg Within Lab SD		40.7		34.9			51.9			41.6			42.3		
Labs Included		13		13			13			13			13		
Labs Reporting		13		13			13			13			13		



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

Mehlich-3, Zn (SubTestCode 165)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
HRQGNA	2.26	0.55	0.68	4.99	0.05	0.56	10.07	0.27	0.72	2.15	-0.18	0.35	1.54	0.31	0.28		
		0.15	0.08		0.03	0.15		0.47	0.24		-0.05	0.05		0.08	0.04		
GBLMGA	2.20	0.35	0.00	5.00	0.07		11.30	0.96	0.92	2.40	0.78	0.00	1.50	0.15			
		0.10	0.00		0.03	0.00		1.70	0.30		0.20	0.00		0.04	0.00		
37H3CQ	2.10	0.00	0.51	5.13	0.34	0.23	10.01	0.23	0.72	2.31	0.44	0.64	1.54	0.32	0.66		
		0.00	0.06		0.16	0.06		0.41	0.23		0.11	0.08		0.08	0.09		
LM4ZL8	2.23	0.47	0.48	5.57	1.23	0.22	1.07	-4.83	0.18	2.20	0.00	0.78	1.57	0.40	0.40		
		0.13	0.06		0.60	0.06		-8.53	0.06		0.00	0.10		0.11	0.06		
F92H9C	2.88	2.79	0.87	4.19	-1.59	0.41	6.24	-1.90	1.18	2.23	0.12	1.48	1.27	-0.70	1.01		
		0.78	0.10		-0.77	0.11		-3.36	0.38		0.03	0.19		-0.19	0.14		
XWTMKR	2.30	0.71	1.16	5.16	0.39	0.43	10.32	0.41	0.05	2.44	0.93	0.74	1.54	0.29	0.76		
		0.20	0.14		0.19	0.11		0.72	0.02		0.24	0.10		0.08	0.11		
DFA3JC	2.02	-0.31	0.78	4.86	-0.23	0.88	9.05	-0.31	0.94	2.06	-0.54	0.52	1.32	-0.54	0.28		
		-0.09	0.09		-0.11	0.23		-0.55	0.30		-0.14	0.07		-0.14	0.04		
YKBCLZ	1.91	-0.68	0.05	4.63	-0.69	0.27	9.69	0.05	0.53	2.16	-0.14	0.40	1.42	-0.14	0.24		
		-0.19	0.01		-0.34	0.07		0.09	0.17		-0.04	0.05		-0.04	0.04		
RMZ998	2.00	-0.37		5.67	1.44	2.21	11.00	0.79		3.00	3.14		1.67	0.78	4.01		
		-0.10	0.00		0.70	0.58		1.40	0.00		0.80	0.00		0.21	0.58		
T9EFX6	1.58	-1.86	1.54	4.84	-0.26	0.93	9.20	-0.23	1.54	1.94	-1.01	0.88	1.14	-1.20	0.45		
		-0.52	0.18		-0.13	0.24		-0.40	0.50		-0.26	0.11		-0.32	0.07		
LZMPAC	1.94	-0.57	0.32	4.93	-0.08	0.46	9.63	0.02	0.40	2.17	-0.10	0.16	1.49	0.13	0.52		
		-0.16	0.04		-0.04	0.12		0.03	0.13		-0.03	0.02		0.03	0.08		
YPKQ4Y	1.61	-1.77	0.00	4.15	-1.68	0.00	8.62	-0.55	0.00	1.72	-1.88	0.00	1.16	-1.13	0.00		
		-0.49	0.00		-0.82	0.00		-0.98	0.00		-0.48	0.00		-0.30	0.00		
738BNU	4.87	9.92	1.48	11.65	13.72	1.43	23.88	8.08	1.15	5.23	11.88	0.81	3.29	6.91	1.76		
		2.77	0.18		6.68	0.37		14.28	0.37		3.03	0.10		1.83	0.25		
L2J8CD	1.93	-0.61	0.48	4.53	-0.89	0.44	9.27	-0.19	0.18	1.97	-0.92	0.45	1.33	-0.48	0.40		
		-0.17	0.06		-0.43	0.12		-0.33	0.06		-0.23	0.06		-0.13	0.06		
CJDKVM	1.89	-0.77	0.00	4.29	-1.40	0.02	8.85	-0.43	0.01	1.90	-1.16	0.05	1.27	-0.72	0.01		
		-0.21	0.00		-0.68	0.01		-0.75	0.00		-0.30	0.01		-0.19	0.00		
79D4JP	2.18	0.29	0.93	4.20	-1.57	0.88	7.72	-1.06	0.26	2.22	0.08	2.65	1.48	0.06	0.22		
		0.08	0.11		-0.77	0.23		-1.88	0.09		0.02	0.34		0.02	0.03		
2WG8UU	2.17	0.23	2.93	5.67	1.44	0.22	10.47	0.49	1.08	2.40	0.78	2.07	1.10	-1.36	1.20		
		0.06	0.35		0.70	0.06		0.87	0.35		0.20	0.26		-0.36	0.17		
CPEWRJ	1.98	-0.44	1.21	5.11	0.30	2.47	9.30	-0.17	0.37	1.96	-0.96	0.27	1.20	-1.00	0.09		
		-0.12	0.14		0.15	0.65		-0.30	0.12		-0.24	0.03		-0.26	0.01		
XHNEVW	2.14	0.14	0.38	5.27	0.63	0.41	11.34	0.98	0.64	2.41	0.81	0.10	1.54	0.29	0.23		
		0.04	0.05		0.31	0.11		1.74	0.21		0.21	0.01		0.08	0.03		
49YVGP	1.77	-1.20	0.48	4.97	0.00	0.58	9.57	-0.02	0.94	2.20	0.00	1.56	1.23	-0.86	1.06		
		-0.34	0.06		0.00	0.15		-0.03	0.31		0.00	0.20		-0.23	0.15		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
LVRZT6	1.90	-0.73	1.67	4.90	-0.14	2.33	9.60	0.00	2.41	2.30	0.39	0.78	1.53	0.28	0.80
		-0.20	0.20		-0.07	0.61		0.00	0.78		0.10	0.10		0.07	0.12
7CWYLG	2.11	0.02	1.36	5.42	0.92	0.66	11.10	0.85	1.71	2.13	-0.27	1.41	0.99	-1.79	0.16
		0.00	0.16		0.45	0.17		1.50	0.56		-0.07	0.18		-0.47	0.02
DM76CB	2.25	0.54	0.82	4.98	0.03	1.19	10.47	0.49	1.69	2.37	0.66	0.94	2.15	2.59	0.69
		0.15	0.10		0.01	0.31		0.87	0.55		0.17	0.12		0.69	0.10
DURWNB	2.14	0.14	0.14	4.89	-0.15	0.73	9.11	-0.28	1.30	2.15	-0.21	0.61	1.46	0.00	0.07
		0.04	0.02		-0.07	0.19		-0.49	0.42		-0.05	0.08		0.00	0.01
Grand Median		2.10			4.97			9.60			2.20			1.46	
Median Abs Dev		0.15			0.19			0.72			0.14			0.13	
Avg Within Lab SD		0.12			0.26			0.32			0.13			0.14	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Mehlich-3, Mn (SubTestCode 166)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
HRQGNA	194.8	0.3	0.5	136.2	0.2	0.5	27.7	0.2	0.8	45.8	-0.1	0.1	21.6	0.2	0.4		
		12.1	3.7		3.7	3.0		0.9	0.9		-0.6	0.2		1.0	0.4		
GBLMGA	185.7	0.1	0.4	139.7	0.3	0.5	31.0	0.9	0.9	49.0	0.3	0.8	19.3	-0.3	0.5		
		3.0	2.9		7.2	2.9		4.2	1.0		2.7	1.7		-1.3	0.6		
37H3CQ	206.2	0.6	0.1	149.3	0.8	0.4	34.8	1.7	0.1	54.5	0.9	0.6	27.1	1.6	1.1		
		23.6	0.7		16.8	2.4		8.0	0.2		8.2	1.2		6.4	1.3		
LM4ZL8	169.3	-0.4	0.5	127.7	-0.2	0.5	32.0	1.1	0.9	44.0	-0.3	1.0	20.7	0.0	0.5		
		-13.3	4.0		-4.8	3.1		5.2	1.0		-2.3	2.0		0.0	0.6		
F92H9C	168.0	-0.4	0.8	118.5	-0.7	0.8	24.6	-0.5	0.6	41.9	-0.5	0.7	18.0	-0.7	0.9		
		-14.7	6.2		-14.0	4.7		-2.2	0.7		-4.4	1.5		-2.6	1.1		
XWTMKR	207.0	0.7	0.3	142.1	0.5	0.0	24.0	-0.6	0.6	54.3	0.9	0.1	23.5	0.7	0.4		
		24.3	2.2		9.6	0.2		-2.8	0.7		8.0	0.2		2.9	0.5		
DFA3JC	185.0	0.1	0.6	135.3	0.1	0.3	26.0	-0.2	0.9	46.3	0.0	0.7	19.4	-0.3	0.4		
		2.4	4.4		2.9	1.5		-0.8	1.0		0.0	1.5		-1.3	0.4		
YKBCLZ	182.6	0.0	0.4	123.5	-0.4	0.3	22.8	-0.8	0.2	47.8	0.2	0.3	19.7	-0.2	0.1		
		0.0	2.7		-9.0	1.9		-4.0	0.2		1.5	0.7		-1.0	0.1		
RMZ998	173.3	-0.3	1.0	134.3	0.1	0.5	28.0	0.2		51.0	0.5	0.5	21.0	0.1	3.0		
		-9.3	7.6		1.9	2.9		1.2	0.0		4.7	1.0		0.3	3.5		
T9EFX6	142.3	-1.1	0.4	136.4	0.2	0.1	31.2	0.9	0.4	46.3	0.0	1.5	14.9	-1.5	0.4		
		-40.3	3.2		3.9	0.5		4.4	0.5		-0.1	3.2		-5.8	0.4		
LZMPAC	172.7	-0.3	0.4	127.0	-0.3		26.8	0.0	0.3	44.9	-0.2	0.5	20.1	-0.1	0.2		
		-10.0	3.1		-5.5	0.0		-0.1	0.3		-1.4	1.0		-0.5	0.3		
YPKQ4Y	120.2	-1.7	0.0	93.3	-1.8	0.0	24.8	-0.4	0.0	32.5	-1.6	0.0	16.6	-1.0	0.0		
		-62.4	0.0		-39.1	0.0		-2.1	0.0		-13.8	0.0		-4.0	0.0		
738BNU	242.1	1.6	0.1	161.8	1.4	0.9	35.3	1.8	0.2	62.4	1.8	0.3	25.9	1.3	0.7		
		59.4	0.4		29.3	4.9		8.4	0.3		16.0	0.6		5.2	0.8		
L2J8CD	151.0	-0.9	0.5	109.0	-1.1	0.5	20.7	-1.3	0.5	43.7	-0.3	0.3	20.1	-0.2	0.3		
		-31.6	3.5		-23.5	2.6		-6.2	0.6		-2.7	0.6		-0.6	0.4		
CJDKVM	163.3	-0.5	0.1	111.7	-1.0	0.3	23.0	-0.8		42.2	-0.5	0.1	17.5	-0.8			
		-19.3	0.6		-20.8	1.5		-3.8	0.0		-4.1	0.2		-3.2	0.0		
79D4JP	186.3	0.1	0.4	132.5	0.0	0.6	24.4	-0.5	0.8	41.4	-0.6	1.2	22.9	0.6	0.7		
		3.6	3.4		0.0	3.7		-2.5	1.0		-5.0	2.4		2.3	0.8		
2WG8UU	237.0	1.5	1.2	171.7	1.8	1.4	26.3	-0.1	0.5	69.7	2.7	1.1	22.0	0.3	0.9		
		54.4	8.9		39.2	8.3		-0.5	0.6		23.3	2.3		1.3	1.0		
XHNEVW	228.6	1.3	0.1	154.7	1.0	1.2	29.5	0.6	0.4	62.3	1.8	0.3	24.3	0.9	1.3		
		46.0	0.8		22.3	6.9		2.7	0.4		16.0	0.6		3.7	1.5		
49YVGP	169.7	-0.4	0.6	125.3	-0.3	1.0	27.7	0.2	1.8	46.3	0.0	1.6	18.7	-0.5	1.0		
		-13.0	4.7		-7.1	6.0		0.8	2.1		0.0	3.2		-2.0	1.2		
LVRZT6	123.8	-1.6	1.3	97.5	-1.6	1.8	29.5	0.6	0.3	43.0	-0.4	2.0	24.0	0.8	1.5		
		-58.9	9.8		-35.0	10.1		2.6	0.3		-3.4	4.1		3.3	1.7		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
7CWYLG	135.7	-1.3	2.8	100.7	-1.5	2.2	24.0	-0.6	1.5	40.3	-0.7	1.5	15.0	-1.4	0.9
		-47.0	21.0		-31.8	12.7		-2.8	1.7		-6.0	3.1		-5.7	1.0
DM76CB	199.5	0.5	2.8	129.6	-0.1	2.6	34.6	1.6	3.4	57.2	1.2	2.4	27.3	1.6	1.9
		16.8	21.3		-2.8	15.0		7.7	3.9		10.9	4.9		6.6	2.2
DURWNB	185.4	0.1	0.3	133.4	0.0	0.2	26.8	0.0	0.4	46.4	0.0	0.2	21.7	0.3	0.3
		2.7	2.5		0.9	1.3		0.0	0.5		0.0	0.4		1.0	0.3
Grand Median		182.6			132.5			26.8			46.3			20.7	
Median Abs Dev		16.8			9.0			2.7			4.1			2.3	
Avg Within Lab SD		7.5			5.7			1.1			2.1			1.2	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Mehlich-3, Fe (SubTestCode 167)	in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
HRQGNA	56.4	0.1	0.5	144.1	0.6	0.7	116.9	0.6	0.9	120.8	0.6	0.4	106.5	0.7	0.2		
		1.4	1.6		11.9	3.6		9.3	3.0		12.0	5.9		14.2	1.9		
GBLMGA	58.7	0.4	0.2	135.7	0.2	0.6	128.3	1.3	0.5	112.7	0.2	0.1	93.3	0.1	0.4		
		3.7	0.6		3.4	3.1		20.7	1.5		3.8	1.5		1.0	4.2		
LM4ZL8	60.7	0.5	0.4	135.0	0.1	0.5	116.3	0.5	0.6	107.3	-0.1	0.2	92.3	0.0	0.1		
		5.7	1.5		2.8	2.6		8.7	2.1		-1.5	2.5		0.0	1.5		
F92H9C	63.2	0.8	0.5	128.7	-0.2	0.4	119.8	0.8	0.2	105.3	-0.2	0.1	92.1	0.0	0.4		
		8.3	1.9		-3.6	2.3		12.2	0.6		-3.5	1.8		-0.2	4.7		
XWTMKR	61.6	0.6	0.0	142.2	0.5	0.1	103.5	-0.3	0.3	112.1	0.2	0.0	98.3	0.3	0.0		
		6.7	0.1		9.9	0.3		-4.1	0.8		3.3	0.4		5.9	0.5		
DFA3JC	52.2	-0.3	0.7	129.7	-0.1	0.4	107.3	0.0	0.7	95.0	-0.7	0.3	90.7	-0.1	0.2		
		-2.8	2.4		-2.6	2.1		-0.3	2.3		-13.8	3.5		-1.7	2.1		
YKBC LZ	48.6	-0.6	0.3	107.8	-1.1	0.2	88.8	-1.2	0.3	90.8	-0.9	0.1	84.8	-0.4	0.0		
		-6.4	1.0		-24.4	1.1		-18.8	0.9		-18.1	0.8		-7.6	0.6		
RMZ998	68.3	1.3	3.7	150.0	0.8	0.6	119.3	0.7	0.6	159.3	2.5	4.4	119.0	1.4	4.5		
		13.4	12.9		17.8	3.0		11.7	2.1		50.5	59.5		26.7	52.0		
T9EFX6	57.7	0.3	0.5	169.8	1.7	0.3	141.6	2.1	0.9	119.4	0.5	0.1	62.1	-1.6	0.1		
		2.7	1.9		37.6	1.5		33.9	3.0		10.6	1.1		-30.2	1.0		
LZMPAC	45.2	-0.9	0.3	119.7	-0.6	1.0	98.3	-0.6	0.3	93.3	-0.8	0.2	83.3	-0.5	0.0		
		-9.7	0.9		-12.6	5.5		-9.3	1.0		-15.5	2.2		-9.0	0.5		
YPKQ4Y	38.9	-1.5	0.0	99.0	-1.5	0.0	98.4	-0.6	0.0	80.1	-1.4	0.0	70.2	-1.2	0.0		
		-16.1	0.0		-33.2	0.0		-9.3	0.0		-28.7	0.0		-22.2	0.0		
738BNU	75.7	2.0	0.2	156.3	1.1	0.5	123.1	1.0	0.1	123.5	0.7	0.1	103.4	0.6	0.3		
		20.7	0.8		24.1	2.7		15.4	0.3		14.7	1.1		11.0	3.0		
L2J8CD	53.7	-0.1	0.2	131.3	0.0	0.9	104.0	-0.2	0.5	107.0	-0.1	0.1	99.7	0.4	0.1		
		-1.3	0.6		-0.9	4.7		-3.6	1.7		-1.8	2.0		7.3	1.5		
CJDKVM	46.8	-0.8	0.0	107.3	-1.2	0.1	106.3	-0.1	0.2	86.5	-1.1	0.0	77.2	-0.8	0.0		
		-8.2	0.0		-24.9	0.6		-1.3	0.6		-22.3	0.5		-15.1	0.1		
79D4JP	53.5	-0.1	1.2	128.9	-0.2	0.1	104.6	-0.2	0.3	122.3	0.7	0.2	101.9	0.5	0.2		
		-1.4	4.1		-3.4	0.7		-3.1	1.1		13.5	2.9		9.6	2.9		
2WG8UU	71.0	1.5	1.0	167.3	1.6	0.2	100.0	-0.5	1.1	142.3	1.6	0.3	92.3	0.0	0.2		
		16.0	3.6		35.1	1.2		-7.6	3.6		33.5	4.5		0.0	2.3		
XHNEVW	66.4	1.1	0.1	148.3	0.7	1.3	114.0	0.4	0.1	122.2	0.7	0.1	98.3	0.3	0.4		
		11.4	0.4		16.0	6.8		6.4	0.4		13.4	1.7		5.9	5.1		
49YVGP	52.0	-0.3	0.5	140.0	0.4	0.9	120.7	0.8	2.1	110.3	0.1	0.4	20.3	-3.8	0.0		
		-3.0	1.7		7.8	5.0		13.0	6.7		1.5	4.9		-72.0	0.6		
LVRZT6	46.0	-0.9	0.2	113.6	-0.9	1.4	114.4	0.4	0.9	115.7	0.3	0.4	100.8	0.4	0.5		
		-9.0	0.6		-18.6	7.7		6.8	2.9		6.9	5.9		8.5	5.8		
7CWYLG	52.7	-0.2	1.8	112.7	-0.9	2.6	73.7	-2.1	1.1	104.3	-0.2	0.8	62.0	-1.6	0.3		
		-2.3	6.1		-19.6	13.8		-34.0	3.5		-4.5	10.3		-30.3	3.6		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
DM76CB	56.3	0.1	0.9	133.1	0.0	2.4	108.0	0.0	3.2	95.0	-0.7	0.9	90.6	-0.1	1.0
		1.3	3.2		0.9	13.0		0.3	10.4		-13.9	12.7		-1.8	12.2
DURWNB	52.0	-0.3	0.1	123.5	-0.4	0.8	102.6	-0.3	0.1	91.9	-0.8	0.1	93.8	0.1	0.1
		-3.0	0.2		-8.7	4.3		-5.0	0.3		-16.9	1.2		1.5	0.7
Grand Median		55.0			132.2			107.6			108.8			92.3	
Median Abs Dev		6.0			12.2			9.0			13.4			8.0	
Avg Within Lab SD		3.5			5.3			3.2			13.4			11.7	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	



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

Mehlich-3, Cu (SubTestCode 168)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605					
HRQGNA	2.26	-0.14 -0.04 0.37	0.12 0.02 0.78	3.08	-0.22 -0.09 0.64	0.28 0.05 0.34	7.07	0.36 0.30 1.68	0.74 0.20 0.77	1.82	-1.06 -0.28 0.01	0.26 0.04 0.00	0.23	-0.78 -0.16 0.05	0.42 0.02 0.00		
GBLMGA	2.40	0.10 0.89 0.24	0.10 0.29 0.04	3.43	0.27 0.99 0.41	0.06 0.33 0.06	8.17	1.40 0.77 0.64	0.21 0.60 0.16	2.10	0.00 0.82 0.22	0.00 0.44 0.06	0.40	0.01 0.42 0.09	0.00 0.94 0.03		
37H3CQ	2.54	-0.86 -0.23 0.36	0.45 0.06 0.80	3.10	-0.16 -0.07 0.03	0.60 0.10 1.09	6.87	0.12 0.10 1.35	0.21 0.06 0.50	1.97	-0.50 -0.13 -0.05	0.41 0.06 0.54	0.39	0.00 0.00 -0.22	0.27 0.01 0.84		
LM4ZL8	2.07	0.10 1.12 0.30	0.10 0.55 0.07	3.18	0.01 0.42 0.17	0.18 0.33 0.06	7.89	1.12 -0.03 -0.02	0.13 1.10 0.30	2.08	-0.01 0.73 0.19	0.08 0.45 0.06	0.34	-0.05 -0.28 0.28	0.03 1.57 0.99		
F92H9C	2.40	0.03 0.26 0.07	0.07 0.21 0.03	3.19	0.02 0.02 0.01	0.12 1.02 0.17	6.54	-0.23 -0.38 -0.31	0.16 0.06 0.02	2.09	-0.01 0.61 0.16	0.05 0.04 0.01	0.45	0.06 0.00 0.00	0.04 0.00 0.00		
YKBCLZ	2.37	-1.11 -0.30 1.96	0.03 0.00 3.09	3.18	-0.40 -0.17 1.31	0.17 0.00 2.09	7.00	0.28 0.23 1.97	0.02 0.00 2.76	2.26	2.17 0.57 0.80	4.12 0.58 0.86	0.39	2.89 0.61 0.47	0.00 0.00 0.99		
RMZ998	2.00	0.53 -0.54 -0.15	0.39 1.02 0.13	3.71	0.55 -0.30 -0.13	0.35 0.36 0.06	8.41	1.64 -0.60 -0.50	0.75 0.26 0.07	2.31	0.21 0.20 0.05	0.12 0.81 0.11	0.49	0.10 1.61 0.34	0.04 0.72 0.03		
T9EFX6	2.83	0.00 17.34 4.70	0.00 1.48 0.19	3.01	-0.16 12.26 5.10	0.00 1.64 0.28	6.67	-0.10 12.70 10.56	0.00 0.40 0.11	2.08	-0.02 12.42 3.26	0.00 0.74 0.10	1.00	0.29 4.40 0.93	0.00 3.23 0.12		
738BNU	7.00	-0.12 -0.03 -0.27	0.45 0.06 0.05	8.26	-0.16 -0.07 -0.99	1.03 0.17 0.03	17.32	-0.04 -0.03 -0.53	0.21 0.06 0.06	5.36	-0.50 -0.13 -1.01	0.41 0.06 0.04	1.32	0.44 0.09 -0.21	0.42 0.02 0.00		
L2J8CD	2.27	-0.07 -0.38 -0.10	0.01 0.16 0.02	2.75	-0.41 -0.78 -0.32	0.01 0.23 0.04	6.33	-0.44 -0.30 -0.25	0.02 0.35 0.10	1.83	-0.26 -0.69 -0.18	0.01 0.77 0.11	0.35	-0.05 -0.65 -0.14	0.00 0.57 0.02		
CJDKVM	2.23	0.47 0.44 0.12	0.23 0.33 0.04	2.84	0.87 1.92 0.80	0.12 0.34 0.06	6.52	0.00 2.48 2.06	0.15 0.23 0.06	1.92	0.30 0.00 0.00	0.00 0.25 0.03	0.25	-0.29 -1.09 -0.23	0.00 1.39 0.05		
79D4JP	2.20	1.72 0.47 0.44	1.81 0.23 0.33	4.03	2.08 0.87 1.92	0.69 0.12 0.34	6.77	0.00 0.00 2.48	0.56 0.15 0.23	2.40	1.15 0.30 0.00	0.00 0.00 0.25	0.10	-1.38 -0.29 -1.09	0.00 0.00 1.39		
2WG8UU	2.77	0.12 2.31 0.63	0.04 0.42 0.05	3.97	0.80 1.62 0.67	0.06 0.54 0.09	8.82	2.06 1.88 1.57	0.06 0.59 0.16	2.10	0.00 2.12 0.56	0.03 0.13 0.02	0.16	0.66 0.14 0.14	0.05 0.49 0.02		
XHNEVW	2.93	-1.35 -0.37 0.63	0.45 0.06 0.05	3.84	-1.04 -0.43 0.67	0.34 0.06 0.09	8.33	-0.56 -0.47 1.57	0.37 0.10 0.16	2.65	-1.01 -0.26 0.56	0.41 0.06 0.02	0.53	-0.11 -0.02 0.14	1.58 0.06 0.02		
49YVGP	1.93			2.73			6.30			1.83			0.37				



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
LVRZT6	2.27	-0.12	1.97	3.17	0.00	3.49	7.53	0.92	3.00	2.17	0.26	1.09	0.47	0.36	1.58
		-0.03	0.25		0.00	0.59		0.77	0.81		0.07	0.15		0.08	0.06
7CWYLG	2.57	1.00	1.06	3.59	1.02	0.63	6.97	0.24	0.55	2.18	0.31	0.89	0.32	-0.32	0.32
		0.27	0.14		0.42	0.11		0.20	0.15		0.08	0.13		-0.07	0.01
DM76CB	2.30	0.00	0.92	3.02	-0.36	0.52	6.35	-0.51	0.50	1.87	-0.88	0.74	0.69	1.42	2.86
		0.00	0.12		-0.15	0.09		-0.42	0.14		-0.23	0.10		0.30	0.10
DURWNB	2.27	-0.10	0.61	2.91	-0.61	0.12	6.67	-0.12	1.17	1.96	-0.54	0.25	0.29	-0.49	0.57
		-0.03	0.08		-0.25	0.02		-0.10	0.32		-0.14	0.04		-0.10	0.02
Grand Median		2.30			3.17			6.77			2.10			0.39	
Median Abs Dev		0.10			0.17			0.31			0.16			0.09	
Avg Within Lab SD		0.13			0.17			0.27			0.14			0.04	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Mehlich-3, B (SubTestCode 169)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
HRQGNA	1.23	-0.01	0.25	1.60	0.49	0.36	0.60	0.00	0.11	0.33	-0.20	0.20	0.04	-0.89	0.31	
		0.00	0.03		0.13	0.04		0.00	0.01		-0.01	0.01		-0.10	0.01	
GBLMGA	1.50	1.25	2.50	1.97	1.87	1.88	1.17	3.43	3.02	0.33	-0.15	1.13	0.30	1.47	0.00	
		0.27	0.26		0.50	0.23		0.57	0.15		-0.01	0.06		0.16	0.00	
LM4ZL8	1.11	-0.57	0.25	1.37	-0.36	0.25	0.60	0.02	0.40	0.44	1.43	0.30	0.27	1.23	0.81	
		-0.12	0.03		-0.10	0.03		0.00	0.02		0.09	0.02		0.13	0.03	
F92H9C	1.12	-0.52	0.38	1.21	-0.97	0.82	0.50	-0.58	0.40	0.31	-0.45	0.30	0.08	-0.58	0.15	
		-0.11	0.04		-0.26	0.10		-0.10	0.02		-0.03	0.02		-0.06	0.01	
XWTMKR	1.62	1.80	0.66	1.76	1.08	0.74	0.72	0.75	1.34	0.45	1.56	0.47	0.24	0.95	0.82	
		0.39	0.07		0.29	0.09		0.13	0.07		0.10	0.02		0.10	0.03	
DFA3JC	1.14	-0.43	0.43	1.37	-0.39	0.05	0.57	-0.18	0.41	0.39	0.72	0.20	0.15	0.13	0.15	
		-0.09	0.05		-0.10	0.01		-0.03	0.02		0.05	0.01		0.01	0.01	
YKBCLZ	1.32	0.39	0.11	1.53	0.21	0.45	0.60	0.04	0.30	0.42	1.23	0.11	0.14	0.00	0.00	
		0.09	0.01		0.06	0.06		0.01	0.02		0.08	0.01		0.00	0.00	
RMZ998	1.23	0.01	1.09	1.50	0.11		0.63	0.22	1.14	0.30	-0.65	0.00	0.13	-0.06	1.53	
		0.00	0.12		0.03	0.00		0.04	0.06		-0.04	0.00		-0.01	0.06	
T9EFX6	0.99	-1.14	1.71	1.34	-0.49	2.16	0.48	-0.72	0.60	0.36	0.21	0.41	0.19	0.49	0.40	
		-0.25	0.18		-0.13	0.26		-0.12	0.03		0.01	0.02		0.05	0.02	
LZMPAC	1.39	0.72	0.63	1.55	0.30	0.28	0.60	0.00	0.23	0.35	0.06	0.49	0.29	1.38	2.07	
		0.16	0.07		0.08	0.03		0.00	0.01		0.00	0.03		0.15	0.08	
YPKQ4Y	1.34	0.50	0.00	1.44	-0.11	0.00	0.51	-0.52	0.00	0.31	-0.50	0.00	0.05	-0.83	0.00	
		0.11	0.00		-0.03	0.00		-0.09	0.00		-0.03	0.00		-0.09	0.00	
738BNU	5.59	20.24	1.05	5.78	16.27	0.72	3.38	16.71	2.83	3.57	49.39	3.21	3.41	30.11	4.90	
		4.36	0.11		4.31	0.09		2.78	0.14		3.23	0.16		3.27	0.18	
CJDKVM	1.25	0.10	0.05	1.35	-0.45	0.00	0.61	0.07	0.01	0.41	1.06	0.01	0.19	0.43	0.02	
		0.02	0.01		-0.12	0.00		0.01	0.00		0.07	0.00		0.05	0.00	
79D4JP	1.23	-0.01	0.34	1.14	-1.24	0.41	0.57	-0.18	0.60	0.29	-0.81	0.98	0.06	-0.74	0.26	
		0.00	0.04		-0.33	0.05		-0.03	0.03		-0.05	0.05		-0.08	0.01	
2WG8UU	1.17	-0.30	1.09	1.50	0.11	0.82	0.10	-2.98	0.00	0.30	-0.65	3.39	0.10	-0.37	0.00	
		-0.07	0.12		0.03	0.10		-0.50	0.00		-0.04	0.17		-0.04	0.00	
XHNEVW	1.62	1.79	0.20	1.72	0.95	0.31	0.66	0.41	0.16	0.42	1.17	0.24				
		0.39	0.02		0.25	0.04		0.07	0.01		0.08	0.01				
49YVGP	0.80	-2.00	0.06	0.98	-1.86	0.23	0.46	-0.82	0.02	0.34	-0.06	0.02	0.27	1.15	1.90	
		-0.43	0.01		-0.49	0.03		-0.14	0.00		0.00	0.00		0.13	0.07	
LVRZT6	1.34	0.52	2.23	1.65	0.67	2.66	0.74	0.86	2.09	0.42	1.13	1.77	0.10	-0.37	2.25	
		0.11	0.24		0.18	0.33		0.14	0.11		0.07	0.09		-0.04	0.08	
DURWNB	1.21	-0.09	0.05	1.35	-0.45	0.22	0.54	-0.36	0.11	0.34	-0.09	0.45	0.10	-0.40	0.15	
		-0.02	0.01		-0.12	0.03		-0.06	0.01		-0.01	0.02		-0.04	0.01	



ALP Program - Participant Web Summary Report - Cycle 29

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		1.23			1.47			0.60			0.34			0.14	
Median Abs Dev		0.11			0.13			0.06			0.04			0.06	
Avg Within Lab SD		0.11			0.12			0.05			0.05			0.04	
Labs Included		18			18			18			18			17	
Labs Reporting		18			18			18			18			17	



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

Zn - DTPA (SubTestCode 170)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.40	-1.06	0.28	1.28	-1.06	0.62	4.11	-1.07	0.25	0.70	-0.49	0.01	0.39	-0.40	0.05	
		-0.19	0.02		-0.45	0.07		-1.35	0.11		-0.20	0.00		-0.09	0.01	
AAUKBK	0.52	-0.38	0.15	1.64	-0.20	0.10	5.29	-0.14	0.13	0.63	-0.68	0.20	0.33	-0.67	0.07	
		-0.07	0.01		-0.09	0.01		-0.17	0.06		-0.27	0.02		-0.15	0.01	
GZ63WD	0.51	-0.44	0.80	1.54	-0.43	0.55	5.89	0.34	0.34	0.83	-0.17	0.68	0.43	-0.24	0.27	
		-0.08	0.05		-0.18	0.07		0.43	0.15		-0.07	0.06		-0.05	0.04	
CJTVUF	0.58	-0.03	0.61	1.65	-0.17	1.12	5.27	-0.15	0.41	0.95	0.13	1.06	0.60	0.55	0.01	
		-0.01	0.04		-0.07	0.13		-0.18	0.18		0.05	0.09		0.12	0.00	
83L8FJ	0.56	-0.15	0.24	1.72	-0.02	1.01	5.99	0.42	0.65	0.96	0.14	1.21	0.53	0.22	0.33	
		-0.03	0.02		-0.01	0.12		0.53	0.29		0.06	0.11		0.05	0.05	
BFZE6F	0.44	-0.83	0.03	1.64	-0.20	0.17	4.52	-0.75	0.14	0.74	-0.39	0.11	0.19	-1.31	0.07	
		-0.15	0.00		-0.08	0.02		-0.94	0.06		-0.16	0.01		-0.29	0.01	
644GFL	0.69	0.57	1.73	2.01	0.68	1.52	6.29	0.66	1.30	0.95	0.13	1.40	0.52	0.18	0.85	
		0.10	0.11		0.29	0.18		0.83	0.57		0.05	0.12		0.04	0.12	
2GK3BP	0.67	0.42	2.36	1.83	0.26	2.57	5.50	0.03	1.72	0.97	0.17	1.73	0.53	0.23	0.39	
		0.08	0.15		0.11	0.31		0.04	0.75		0.07	0.15		0.05	0.06	
33JQFQ	0.58	-0.07	1.18	1.45	-0.65	1.34	4.86	-0.48	0.81	0.95	0.13	0.30	0.50	0.08	0.27	
		-0.01	0.08		-0.28	0.16		-0.60	0.36		0.05	0.03		0.02	0.04	
XNBEWV	0.65	0.31	0.18	1.99	0.63	0.25	6.03	0.46	0.31	1.01	0.27	0.17	0.51	0.11	0.10	
		0.06	0.01		0.27	0.03		0.58	0.14		0.11	0.02		0.03	0.02	
6BMKMN	0.69	0.55	0.56	1.83	0.25	0.22	4.46	-0.79	0.10	0.99	0.23	0.56	0.50	0.07	0.22	
		0.10	0.04		0.11	0.03		-1.00	0.04		0.09	0.05		0.02	0.03	
9JP2MJ	0.53	-0.33	0.41	1.58	-0.35	0.34	5.05	-0.32	0.13	0.79	-0.28	0.71	0.35	-0.59	0.07	
		-0.06	0.03		-0.15	0.04		-0.41	0.06		-0.11	0.06		-0.13	0.01	
PFR9KY	0.70	0.60	0.00	2.00	0.65	0.84	6.23	0.62	0.35	1.00	0.25	0.06	0.47	-0.06	0.39	
		0.11	0.00		0.28	0.10		0.78	0.15		0.10	0.00		-0.01	0.06	
K8VMR6	0.59	0.00	0.27	1.53	-0.45	0.24	4.53	-0.73	0.13	0.90	0.00	0.49	0.64	0.72	0.04	
		0.00	0.02		-0.19	0.03		-0.93	0.06		0.00	0.04		0.16	0.01	
FPNYC9	0.27	-1.75	0.86	1.35	-0.89	0.92	5.55	0.07	0.32	0.58	-0.79	0.62	0.08	-1.79	0.31	
		-0.32	0.06		-0.38	0.11		0.09	0.14		-0.32	0.06		-0.40	0.05	
WGX7VT	1.14	3.03	0.76	2.17	1.06	0.59	5.45	-0.01	0.02	1.44	1.35	1.18	1.06	2.58	0.07	
		0.55	0.05		0.45	0.07		-0.01	0.01		0.54	0.10		0.58	0.01	
QECBRZ	0.75	0.89	0.09	1.86	0.33	0.42	6.14	0.54	0.12	1.12	0.56	0.24	0.56	0.34	0.08	
		0.16	0.01		0.14	0.05		0.68	0.05		0.22	0.02		0.08	0.01	
6VACMK	0.50	-0.49		1.33	-0.92	0.49	4.57	-0.71	0.26	0.50	-1.00		0.50	0.08		
		-0.09	0.00		-0.39	0.06		-0.89	0.12		-0.40	0.00		0.02	0.00	
DFA3JC	1.08	2.66	0.89	2.59	2.05	1.12	4.84	-0.49	0.43	1.10	0.51	0.46	0.70	0.99	0.18	
		0.49	0.06		0.87	0.13		-0.62	0.19		0.20	0.04		0.22	0.03	
DCARMD	1.32	3.99	2.31	3.95	5.24	2.48	11.94	5.15	4.93	2.03	2.83	2.98	0.89	1.84	0.87	
		0.73	0.15		2.23	0.29		6.48	2.17		1.13	0.26		0.41	0.13	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
T9EFX6	0.51	-0.44		2.03	0.72		5.13	-0.26		0.81	-0.23		0.35	-0.59	
		-0.08	0.00		0.31	0.00		-0.33	0.00		-0.09	0.00		-0.13	0.00
BMDAYP	0.75	0.88	0.71	1.73	0.02	0.49	5.10	-0.28	0.23	0.73	-0.42	0.07	0.32	-0.70	0.21
		0.16	0.05		0.01	0.06		-0.36	0.10		-0.17	0.01		-0.16	0.03
T84DB7	0.74	0.82	0.05	1.82	0.22	0.28	5.54	0.06	0.33	1.10	0.50	0.48	0.66	0.80	0.17
		0.15	0.00		0.09	0.03		0.08	0.14		0.20	0.04		0.18	0.03
63C7VU	0.55	-0.24	0.70	1.68	-0.11	0.09	5.98	0.41	0.03	0.83	-0.18	0.54	0.38	-0.46	0.43
		-0.04	0.05		-0.05	0.01		0.52	0.01		-0.07	0.05		-0.10	0.06
L2J8CD	0.44	-0.84	0.18	1.10	-1.48	0.10	4.86	-0.47	0.12	0.69	-0.52	0.17	0.46	-0.11	0.10
		-0.15	0.01		-0.63	0.01		-0.60	0.05		-0.21	0.02		-0.02	0.02
2WG8UU	0.63	0.24	1.52	1.78	0.13	2.32	5.92	0.36	1.76	0.97	0.18	1.47	0.44	-0.20	0.48
		0.04	0.10		0.06	0.28		0.46	0.77		0.07	0.13		-0.04	0.07
UNPG82	0.59	0.02	0.18	1.73	0.02	0.22	5.47	0.01	0.13	0.87	-0.07	0.36	0.41	-0.30	0.10
		0.00	0.01		0.01	0.03		0.01	0.06		-0.03	0.03		-0.07	0.02
8CMGZN	0.49	-0.53	0.18	1.48	-0.57	0.61	4.34	-0.89	0.33	0.69	-0.52	0.35	0.45	-0.12	0.04
		-0.10	0.01		-0.24	0.07		-1.12	0.14		-0.21	0.03		-0.03	0.01
PWR8L8	0.80	1.13	0.64	2.02	0.71	0.99	3.41	-1.62	0.13	6.06	12.91	1.59	0.39	-0.39	0.31
		0.21	0.04		0.30	0.12		-2.05	0.06		5.16	0.14		-0.09	0.05
CPEWRJ	0.60	0.07	0.20	1.86	0.31	0.29	5.42	-0.03	0.27	0.96	0.14	0.23	0.39	-0.42	0.06
		0.01	0.01		0.13	0.03		-0.04	0.12		0.06	0.02		-0.09	0.01
VBVLAX	0.63	0.24	0.89	1.60	-0.29	0.84	5.77	0.24	0.35	0.70	-0.50	1.13	0.70	0.98	0.68
		0.04	0.06		-0.12	0.10		0.31	0.15		-0.20	0.10		0.22	0.10
TJBJ2Y	0.58	-0.06	0.05	1.65	-0.16	0.14	5.43	-0.02	0.03	0.80	-0.25	0.08	0.43	-0.23	0.05
		-0.01	0.00		-0.07	0.02		-0.03	0.01		-0.10	0.01		-0.05	0.01
AM2DUK	0.47	-0.64	0.39	1.53	-0.45	0.49	5.67	0.17	0.13	0.77	-0.32	0.29	0.37	-0.50	0.18
		-0.12	0.03		-0.19	0.06		0.21	0.06		-0.13	0.03		-0.11	0.03
3BBBBQ	0.60	0.05	0.00	1.10	-1.47	0.00	3.77	-1.34	0.35	0.67	-0.58	0.65	0.70	0.98	0.68
		0.01	0.00		-0.62	0.00		-1.69	0.15		-0.23	0.06		0.22	0.10
4JGF2L	0.60	0.06	0.45	1.83	0.26	0.70	6.05	0.47	0.25	0.77	-0.33	0.45	0.38	-0.47	0.33
		0.01	0.03		0.11	0.08		0.59	0.11		-0.13	0.04		-0.11	0.05
YTJ7GT	0.62	0.16		1.77	0.11		6.06	0.48		0.90	0.00		0.50	0.08	
		0.03	0.00		0.05	0.00		0.60	0.00		0.00	0.00		0.02	0.00
MZGWVZ	0.59	0.00	0.67	1.96	0.55	0.49	6.83	1.09	0.24	0.98	0.19	0.35	0.64	0.72	0.14
		0.00	0.04		0.23	0.06		1.37	0.10		0.08	0.03		0.16	0.02
C8H8XB	0.40	-1.04	0.00	1.37	-0.84	0.49	4.80	-0.52	0.00	0.90	0.00	1.13	0.33	-0.66	0.39
		-0.19	0.00		-0.36	0.06		-0.66	0.00		0.00	0.10		-0.15	0.06
ZZZ3WM	0.29	-1.63	4.36	2.66	2.21	3.17	10.48	3.99	2.78	0.85	-0.14	0.87	0.07	-1.84	0.34
		-0.30	0.28		0.94	0.38		5.02	1.22		-0.05	0.08		-0.41	0.05
PHEWWY	0.59	-0.02	0.22	1.58	-0.34	0.14	5.23	-0.18	0.08	0.86	-0.09	0.05	0.36	-0.54	0.08
		0.00	0.01		-0.14	0.02		-0.23	0.04		-0.04	0.00		-0.12	0.01
XYFCWR	0.71	0.67	0.05	1.84	0.27	0.01	6.36	0.71	0.09	0.98	0.19	0.16	0.50	0.06	0.05
		0.12	0.00		0.11	0.00		0.90	0.04		0.08	0.01		0.01	0.01
J6NUD7	0.52	-0.40	0.07	1.64	-0.19	0.49	5.80	0.27	0.60	0.93	0.07	2.24	1.34	3.85	6.30
		-0.07	0.00		-0.08	0.06		0.35	0.26		0.03	0.20		0.86	0.93



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
VNJNRP	0.50	-0.49		1.30	-1.00		4.20	-1.00		0.80	-0.25		0.50	0.08	
		-0.09	0.00		-0.42	0.00		-1.26	0.00		-0.10	0.00		0.02	0.00
DYXQH7	0.67	0.42	0.55	2.05	0.77	0.89	6.52	0.85	1.00	1.15	0.62	3.00	0.82	1.53	0.32
		0.08	0.04		0.33	0.11		1.07	0.44		0.25	0.26		0.34	0.05
Grand Median		0.59			1.72			5.46			0.90			0.48	
Median Abs Dev		0.08			0.19			0.59			0.10			0.10	
Avg Within Lab SD		0.06			0.12			0.44			0.09			0.15	
Labs Included		44			44			44			44			44	
Labs Reporting		44			44			44			44			44	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 171)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
AAUKBK	2.70	-0.52	0.00	4.33	-0.26	0.09	4.23	-0.35	0.13	5.90	-1.02	0.00	7.03	-0.24	0.25	
		-1.42	0.00		-0.67	0.06		-0.68	0.06		-3.75	0.00		-0.58	0.12	
GZ63WD	1.75	-0.86	0.54	2.57	-0.95	0.41	3.73	-0.61	0.46	8.21	-0.39	1.25	6.67	-0.40	0.30	
		-2.37	0.31		-2.43	0.28		-1.18	0.21		-1.43	1.08		-0.94	0.14	
CJTVUF	5.84	0.62	0.82	6.94	0.76	2.22	5.49	0.29	0.79	12.28	0.72	1.02	9.60	0.84	0.38	
		1.71	0.47		1.94	1.49		0.57	0.35		2.64	0.88		1.99	0.18	
83L8FJ	5.71	0.58	0.28	6.72	0.67	0.40	5.93	0.52	0.73	8.53	-0.30	0.18	9.44	0.77	0.86	
		1.58	0.16		1.72	0.27		1.01	0.33		-1.12	0.16		1.83	0.40	
BFZE6F	1.80	-0.85	0.08	2.95	-0.80	0.11	2.22	-1.38	0.02	5.35	-1.17	0.07	4.70	-1.23	0.41	
		-2.33	0.04		-2.05	0.08		-2.69	0.01		-4.30	0.06		-2.92	0.19	
644GFL	8.65	1.65	1.70	10.14	2.01	0.97	7.25	1.19	1.86	10.09	0.12	0.29	7.45	-0.07	1.07	
		4.53	0.97		5.14	0.65		2.33	0.83		0.45	0.25		-0.16	0.50	
2GK3BP	5.53	0.51	2.49	5.90	0.35	2.58	5.20	0.15	2.13	12.13	0.68	0.84	10.00	1.00	1.30	
		1.41	1.42		0.90	1.73		0.29	0.95		2.49	0.72		2.39	0.61	
33JQFQ	2.49	-0.60	0.36	2.51	-0.97	0.23	3.31	-0.82	0.43	9.13	-0.14	0.45	8.92	0.55	1.16	
		-1.63	0.20		-2.49	0.16		-1.61	0.19		-0.51	0.39		1.31	0.54	
XNBEWV	7.73	1.32	0.86	8.03	1.18	0.60	7.30	1.22	0.81	14.23	1.25	0.52	8.20	0.25	0.37	
		3.61	0.49		3.03	0.40		2.39	0.36		4.59	0.45		0.59	0.17	
6BMKMN	1.44	-0.98	0.47	1.19	-1.49	0.26	1.32	-1.84	0.30	8.32	-0.36	0.42	8.46	0.35	0.60	
		-2.69	0.27		-3.81	0.18		-3.60	0.13		-1.33	0.36		0.84	0.28	
9JP2MJ	2.38	-0.64	0.67	3.46	-0.60	0.20	4.05	-0.44	0.21	5.83	-1.04	0.07	6.13	-0.62	0.13	
		-1.75	0.38		-1.54	0.14		-0.86	0.09		-3.81	0.06		-1.48	0.06	
PFR9KY	5.33	0.44	1.01	7.00	0.78	2.57	6.67	0.90	1.29	10.67	0.28	0.67	7.00	-0.26		
		1.21	0.58		2.00	1.73		1.75	0.58		1.02	0.58		-0.61	0.00	
K8VMR6	3.17	-0.35	0.20	3.20	-0.70	0.26	4.07	-0.43	0.26	9.67	0.01	0.67	9.83	0.93	0.62	
		-0.96	0.12		-1.80	0.17		-0.85	0.12		0.02	0.58		2.22	0.29	
FPNYC9	5.12	0.36	0.34	5.04	0.02	0.17	5.75	0.43	0.67	10.19	0.15	0.51	7.53	-0.03	0.09	
		0.99	0.20		0.04	0.12		0.84	0.30		0.55	0.44		-0.08	0.04	
WGX7VT	4.09	-0.01	0.10	5.63	0.25	0.03	4.96	0.02	0.07	10.13	0.13	0.27	10.67	1.28	1.24	
		-0.04	0.06		0.63	0.02		0.05	0.03		0.48	0.23		3.05	0.58	
QECBRZ	3.90	-0.08	0.18	4.80	-0.08	0.45	4.87	-0.02	0.26	9.80	0.04	0.81	7.30	-0.13	0.77	
		-0.22	0.10		-0.20	0.30		-0.05	0.12		0.15	0.70		-0.31	0.36	
6VACMK	2.10	-0.74	0.00	3.23	-0.69	0.09	3.53	-0.71	0.13	4.13	-1.50	0.07	7.90	0.12	0.21	
		-2.02	0.00		-1.77	0.06		-1.38	0.06		-5.51	0.06		0.29	0.10	
DCARMD	23.22	6.96	3.88	49.60	17.42	8.95	21.32	8.40	8.54	22.46	3.49	1.94	12.55	2.08	1.94	
		19.09	2.22		44.60	6.03		16.40	3.82		12.81	1.68		4.94	0.90	
T9EFX6	1.74	-0.87		3.52	-0.58		3.19	-0.88		3.38	-1.70		2.87	-2.00		
		-2.38	0.00		-1.48	0.00		-1.73	0.00		-6.27	0.00		-4.74	0.00	
BMDAYP	7.87	1.36	1.03	9.13	1.61	1.15	7.33	1.24	1.23	9.50	-0.04	1.53	6.17	-0.61	0.75	
		3.74	0.59		4.13	0.78		2.42	0.55		-0.15	1.32		-1.45	0.35	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
T84DB7	10.86	2.46	0.68	8.48	1.36	0.73	7.51	1.33	0.84	13.09	0.94	0.86	11.06	1.45	1.06
		6.74	0.39		3.48	0.49		2.60	0.38		3.45	0.74		3.44	0.49
63C7VU	6.71	0.94	0.56	7.37	0.93	0.77	8.42	1.79	0.90	14.59	1.35	0.44	7.70	0.03	0.16
		2.59	0.32		2.37	0.52		3.50	0.40		4.95	0.38		0.08	0.08
2WG8UU	8.28	1.52	4.54	9.02	1.57	3.26	7.61	1.38	3.28	15.55	1.61	5.00	8.24	0.26	4.11
		4.16	2.59		4.02	2.19		2.70	1.47		5.90	4.33		0.63	1.92
UNPG82	5.23	0.40	0.74	7.20	0.86	0.97	4.72	-0.10	0.36	9.80	0.04	0.50	6.80	-0.34	0.97
		1.11	0.42		2.20	0.66		-0.20	0.16		0.15	0.44		-0.82	0.45
8CMGZN	2.40	-0.63	0.18	2.60	-0.94	0.13	3.11	-0.93	0.29	6.38	-0.89	0.18	6.61	-0.42	0.74
		-1.72	0.10		-2.40	0.09		-1.81	0.13		-3.27	0.16		-1.00	0.34
CPEWRJ	4.16	0.01	0.24	5.33	0.13	0.41	4.53	-0.20	0.22	8.39	-0.34	0.02	5.52	-0.88	0.04
		0.04	0.14		0.33	0.28		-0.38	0.10		-1.25	0.02		-2.09	0.02
VBVLAX	5.63	0.55	0.10	6.47	0.57	0.62	5.00	0.04	0.89	5.10	-1.24	0.64	8.57	0.40	1.18
		1.51	0.06		1.47	0.42		0.09	0.40		-4.55	0.56		0.95	0.55
AM2DUK	2.47	-0.60	0.36	4.03	-0.38	0.45	4.27	-0.33	1.01	6.17	-0.95	0.37	6.93	-0.29	0.65
		-1.66	0.21		-0.97	0.31		-0.65	0.45		-3.48	0.32		-0.68	0.31
3BBBBQ	5.33	0.44	1.01	5.00	0.00	0.00	5.00	0.04	0.00	11.33	0.46	0.67	11.33	1.56	1.24
		1.21	0.58		0.00	0.00		0.09	0.00		1.69	0.58		3.72	0.58
4JGF2L	3.39	-0.27	0.03	3.69	-0.51	0.05	3.42	-0.77	0.02	8.66	-0.27	0.07	5.34	-0.96	0.11
		-0.73	0.02		-1.31	0.03		-1.50	0.01		-0.98	0.06		-2.27	0.05
YTJ7GT	4.47	0.13	0.00	6.11	0.43	0.00	5.14	0.12	0.00	8.32	-0.36	0.00	6.93	-0.29	0.00
		0.35	0.00		1.11	0.00		0.23	0.00		-1.33	0.00		-0.68	0.00
MZGWVZ	3.22	-0.33	0.17	4.14	-0.34	0.35	5.56	0.33	1.05	12.82	0.86	0.65	10.18	1.08	1.68
		-0.91	0.10		-0.86	0.23		0.64	0.47		3.17	0.56		2.57	0.78
C8H8XB	1.43	-0.98	0.20	2.83	-0.85	0.17	3.07	-0.95	0.13	5.40	-1.16	0.20	5.93	-0.71	0.25
		-2.69	0.12		-2.17	0.12		-1.85	0.06		-4.25	0.17		-1.68	0.12
ZZZ3WM	3.86	-0.10	0.56	4.61	-0.15	1.08	4.53	-0.20	2.58	10.32	0.18	1.07	9.69	0.87	1.26
		-0.27	0.32		-0.39	0.73		-0.38	1.16		0.68	0.92		2.08	0.59
PHEWWY	3.04	-0.39	0.07	4.15	-0.33	0.08	4.44	-0.24	0.05	9.62	-0.01	0.10	7.30	-0.13	0.20
		-1.08	0.04		-0.85	0.05		-0.47	0.02		-0.02	0.09		-0.32	0.09
XYFCWR	7.70	1.30	0.18	6.60	0.62	0.04	8.58	1.88	0.18	15.37	1.56	0.06	7.79	0.07	0.04
		3.57	0.10		1.60	0.02		3.67	0.08		5.72	0.05		0.18	0.02
J6NUD7	2.51	-0.59	0.21	3.42	-0.62	0.05	4.01	-0.46	0.11	7.79	-0.50	0.03	6.87	-0.31	0.21
		-1.62	0.12		-1.58	0.03		-0.91	0.05		-1.85	0.03		-0.75	0.10
VNJNRP	5.00	0.32	0.00	5.00	0.00	0.00	5.00	0.04	0.00	15.00	1.46	0.00	13.00	2.27	0.00
		0.88	0.00		0.00	0.00		0.09	0.00		5.35	0.00		5.39	0.00
DYXQH7	4.99	0.32	0.62	5.74	0.29	1.27	6.97	1.05	1.26	11.27	0.44	0.94	11.45	1.61	1.25
		0.87	0.36		0.74	0.85		2.06	0.56		1.62	0.82		3.84	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		
Grand Median		4.12			5.00			4.92			9.65			7.61	
Median Abs Dev		1.60			1.59			0.96			1.77			1.15	
Avg Within Lab SD		0.57			0.67			0.45			0.87			0.47	
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		

Fe - DTPA (SubTestCode 172)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	2.7	-1.5	0.1	11.4	-1.3	0.3	20.2	-0.7	0.1	9.3	-1.0	0.2	10.0	-0.7	0.0	
		-2.3	0.0		-8.7	0.5		-10.0	0.5		-6.0	0.4		-8.3	0.2	
AAUKBK	4.2	-0.5	0.2	18.8	-0.2	0.1	24.0	-0.4	0.1	9.6	-0.9	0.1	14.6	-0.3	0.0	
		-0.8	0.1		-1.2	0.2		-6.2	0.4		-5.6	0.1		-3.7	0.2	
GZ63WD	4.1	-0.6	0.8	17.6	-0.4	0.6	30.0	0.0	0.4	13.2	-0.3	0.5	15.9	-0.2	0.2	
		-1.0	0.4		-2.4	1.0		-0.2	3.0		-2.0	1.0		-2.4	0.9	
CJTVUF	4.9	-0.1	0.7	17.4	-0.4	1.6	27.5	-0.2	0.1	15.4	0.0	1.1	20.7	0.2	0.7	
		-0.1	0.3		-2.6	2.7		-2.7	0.7		0.2	2.0		2.4	2.9	
83L8FJ	6.4	0.9	0.9	23.5	0.5	0.3	27.0	-0.2	0.1	17.6	0.4	0.5	27.2	0.7	0.2	
		1.4	0.4		3.5	0.5		-3.2	0.9		2.3	0.8		8.9	0.6	
BFZE6F	5.5	0.3	0.3	26.0	0.9	0.2	42.1	0.8	0.0	16.1	0.1	0.1	18.2	0.0	0.1	
		0.4	0.1		5.9	0.3		11.9	0.2		0.8	0.2		-0.1	0.5	
644GFL	6.7	1.1	1.6	27.8	1.2	0.8	49.9	1.4	0.5	19.0	0.6	0.6	32.1	1.1	0.4	
		1.6	0.7		7.7	1.4		19.7	4.1		3.8	1.0		13.8	1.6	
2GK3BP	6.0	0.6	3.7	21.0	0.1	2.2	30.3	0.0	0.8	17.7	0.4	0.2	23.2	0.4	0.5	
		1.0	1.7		0.9	3.7		0.1	5.8		2.5	0.3		4.9	2.1	
33JQFQ	4.3	-0.5	0.3	14.3	-0.9	0.8	25.6	-0.3	0.0	12.5	-0.4	0.5	18.7	0.0	0.5	
		-0.7	0.1		-5.7	1.4		-4.6	0.1		-2.7	0.9		0.4	1.8	
XNBEWV	5.3	0.2	0.5	20.8	0.1	1.1	38.6	0.6	0.0	20.4	0.8	0.4	26.4	0.7	0.4	
		0.3	0.2		0.7	1.8		8.4	0.3		5.1	0.8		8.1	1.6	
6BMKMN	2.3	-1.8	0.8	15.6	-0.7	0.6	30.1	0.0	0.2	11.2	-0.6	0.2	17.7	0.0	0.2	
		-2.8	0.4		-4.4	1.0		-0.1	1.2		-4.0	0.4		-0.6	0.7	
9JP2MJ	3.9	-0.7	0.3	16.5	-0.5	0.3	24.5	-0.4	0.1	12.0	-0.5	0.4	15.7	-0.2	0.2	
		-1.1	0.1		-3.6	0.5		-5.7	0.7		-3.2	0.8		-2.7	0.9	
PFR9KY	6.3	0.8	1.3	20.3	0.0	0.3	25.7	-0.3	0.2	13.7	-0.3	0.6	14.3	-0.3	0.1	
		1.3	0.6		0.3	0.6		-4.5	1.5		-1.6	1.2		-4.0	0.6	
K8VMR6	5.4	0.2	0.3	17.7	-0.4	0.1	30.0	0.0	0.1	15.0	0.0	0.1	19.7	0.1	0.1	
		0.3	0.1		-2.4	0.2		-0.2	0.6		-0.2	0.2		1.4	0.6	
FPNYC9	4.8	-0.1	0.3	19.2	-0.1	0.2	32.4	0.2	0.1	14.7	-0.1	0.2	18.3	0.0	0.0	
		-0.2	0.1		-0.8	0.4		2.2	0.8		-0.5	0.4		0.0	0.1	
WGX7VT	5.0	0.0	0.1	20.1	0.0	0.3	27.6	-0.2	0.1	22.6	1.2	3.0	45.7	2.2	0.1	
		0.0	0.0		0.1	0.6		-2.6	0.5		7.4	5.5		27.4	0.6	
QECBRZ	6.1	0.7	0.1	22.7	0.4	0.1	44.0	1.0	0.1	24.5	1.5	0.8	23.3	0.4	0.1	
		1.1	0.1		2.7	0.2		13.8	0.8		9.3	1.5		5.0	0.4	
6VACMK	3.8	-0.8	0.2	14.0	-0.9	0.1	20.8	-0.7	0.1	7.4	-1.3	0.0	19.6	0.1	0.3	
		-1.2	0.1		-6.1	0.2		-9.4	0.5		-7.8	0.1		1.3	1.3	
DCARMD	10.5	3.5	1.8	58.5	5.9	3.5	87.5	4.0	2.3	43.5	4.6	2.9	35.2	1.4	1.3	
		5.4	0.8		38.4	5.8		57.3	17.0		28.3	5.3		16.9	5.2	
T9EFX6	6.1	0.7		33.2	2.0		39.0	0.6		13.6	-0.3		16.5	-0.1		
		1.0	0.0		13.2	0.0		8.8	0.0		-1.6	0.0		-1.8	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		
BMDAYP	4.7	-0.2	0.9	19.7	-0.1	1.2	61.0	2.2	3.6	13.3	-0.3	0.3	14.7	-0.3	0.4
		-0.3	0.4		-0.4	2.1		30.8	27.1		-1.9	0.6		-3.6	1.5
T84DB7	7.5	1.6	0.8	26.1	0.9	1.1	32.9	0.2	0.3	20.9	0.9	0.5	30.6	1.0	0.5
		2.5	0.4		6.1	1.8		2.7	2.0		5.7	0.9		12.3	2.2
63C7VU	4.4	-0.4	0.4	20.2	0.0	0.1	38.7	0.6	0.1	18.4	0.5	0.2	18.2	0.0	0.3
		-0.7	0.2		0.1	0.2		8.5	1.1		3.1	0.3		-0.1	1.2
2WG8UU	5.9	0.6	2.1	23.0	0.5	2.4	37.2	0.5	0.9	20.3	0.8	2.1	19.6	0.1	1.0
		0.9	1.0		3.0	4.0		7.0	6.8		5.1	3.8		1.3	4.1
UNPG82	5.3	0.1	0.3	21.6	0.2	0.7	29.0	-0.1	0.1	15.8	0.1	0.0	15.9	-0.2	0.1
		0.2	0.2		1.5	1.1		-1.2	1.1		0.6	0.1		-2.4	0.5
8CMGZN	5.0	-0.1	0.3	15.3	-0.7	0.2	22.3	-0.6	0.1	9.3	-1.0	0.1	16.7	-0.1	0.1
		-0.1	0.2		-4.8	0.3		-7.9	0.8		-6.0	0.3		-1.6	0.2
CPEWRJ	6.0	0.6	0.5	24.1	0.6	0.5	35.9	0.4	0.1	17.3	0.3	0.2	17.5	-0.1	0.5
		1.0	0.2		4.0	0.9		5.6	0.7		2.0	0.3		-0.8	1.9
VBVLAX	5.1	0.0	0.5	18.6	-0.2	0.3	33.8	0.3	0.2	9.6	-0.9	0.7	18.0	0.0	0.1
		0.0	0.2		-1.4	0.5		3.6	1.4		-5.6	1.3		-0.3	0.2
AM2DUK	4.7	-0.2	0.2	20.3	0.0	0.7	43.7	1.0	2.0	13.3	-0.3	0.3	40.3	1.8	3.8
		-0.3	0.1		0.3	1.2		13.5	15.3		-1.9	0.6		22.0	15.3
3BBBBQ	5.0	0.0		15.7	-0.7	0.3	25.0	-0.4	0.1	14.0	-0.2	1.1			
		0.0	0.0		-4.4	0.6		-5.2	1.0		-1.2	2.0			
4JGF2L	3.6	-0.9	0.0	18.4	-0.3	0.1	15.5	-1.0	0.0	10.9	-0.7	0.0		-0.3	0.0
		-1.5	0.0		-1.7	0.1		-14.7	0.1		-4.4	0.1		-4.1	0.1
YTJ7GT	5.5	0.3		24.2	0.6		35.0	0.3		17.5	0.4		17.3	-0.1	
		0.5	0.0		4.1	0.0		4.8	0.0		2.3	0.0		-1.0	0.0
MZGWVZ	5.6	0.3	1.5	21.3	0.2	0.8	49.3	1.3	2.0	21.9	1.1	2.3	95.2	6.2	1.4
		0.5	0.7		1.2	1.3		19.0	14.7		6.7	4.2		76.9	5.6
C8H8XB	4.0	-0.7		17.0	-0.5	0.6	28.7	-0.1	0.2	16.3	0.2	0.3	15.7	-0.2	0.5
		-1.0	0.0		-3.1	1.0		-1.5	1.2		1.1	0.6		-2.6	2.1
ZZZ3WM	8.8	2.4	1.7	39.7	3.0	1.7	85.1	3.9	3.2	32.3	2.8	2.2	41.6	1.9	0.4
		3.7	0.8		19.6	2.9		54.9	24.3		17.1	4.0		23.3	1.6
PHEWWY	2.7	-1.5	0.1	16.7	-0.5	0.1	28.3	-0.1	0.0	14.2	-0.2	0.0		0.0	0.1
		-2.4	0.1		-3.4	0.1		-1.9	0.2		-1.0	0.1		-0.2	0.2
XYFCWR	5.6	0.4	0.2	20.0	0.0	0.1	37.3	0.5	0.0	17.6	0.4	0.0	25.0	0.5	0.1
		0.6	0.1		-0.1	0.1		7.1	0.3		2.4	0.1		6.7	0.4
J6NUD7	4.5	-0.4	0.3	17.7	-0.4	0.2	26.6	-0.3	0.3	12.3	-0.5	0.1	15.0	-0.3	0.2
		-0.6	0.1		-2.3	0.3		-3.6	2.3		-3.0	0.1		-3.3	0.7
VNJNRP	5.0	0.0		19.0	-0.2		29.0	-0.1		15.0	0.0		19.0	0.1	
		0.0	0.0		-1.1	0.0		-1.2	0.0		-0.2	0.0		0.7	0.0
DYXQH7	6.0	0.6	1.8	22.1	0.3	1.6	45.3	1.1	1.0	15.7	0.1	1.2	65.2	3.8	4.1
		1.0	0.8		2.1	2.7		15.1	7.9		0.4	2.1		46.9	16.3



ALP Program - Participant Web Summary Report - Cycle 29

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		5.05			20.1			30.2			15.2			18.3	
Median Abs Dev		0.87			2.7			5.7			2.6			2.7	
Avg Within Lab SD		0.45			1.7			7.5			1.8			4.0	
Labs Included		40			40			40			40			39	
Labs Reporting		40			40			40			40			39	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 173) in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
YAA32W	0.50	-1.56	0.08	0.67	-1.38	0.60	2.96	-1.42	0.46	0.76	-0.58	0.58	0.14	0.07	0.80
		-0.24	0.00		-0.26	0.03		-1.04	0.11		-0.12	0.04		0.01	0.02
AAUKBK	0.79	0.31	0.00	1.03	0.52	0.21	4.08	0.12	0.13	0.72	-0.75	0.09	0.08	-0.47	0.19
		0.05	0.00		0.10	0.01		0.09	0.03		-0.16	0.01		-0.06	0.01
GZ63WD	0.62	-0.80	0.13	0.78	-0.82	0.63	4.04	0.06	0.92	0.81	-0.35	0.23	0.09	-0.39	0.86
		-0.13	0.01		-0.16	0.04		0.05	0.22		-0.07	0.02		-0.04	0.03
CJTVUF	0.74	0.01	0.88	0.85	-0.44	0.31	3.64	-0.49	0.14	0.86	-0.10	0.98	0.15	0.18	0.43
		0.00	0.04		-0.08	0.02		-0.36	0.03		-0.02	0.07		0.02	0.01
83L8FJ	0.67	-0.43	0.31	0.93	0.00	0.40	4.29	0.40	0.93	0.95	0.36	0.41	0.16	0.21	0.24
		-0.07	0.01		0.00	0.02		0.29	0.22		0.08	0.03		0.02	0.01
BFZE6F	0.96	1.39	0.35	1.55	3.22	0.23	5.49	2.04	0.12	1.37	2.39	0.17	0.16	0.28	0.15
		0.22	0.02		0.62	0.01		1.49	0.03		0.50	0.01		0.03	0.00
644GFL	0.86	0.73	1.47	1.12	0.97	0.32	4.71	0.98	1.45	0.94	0.32	0.56	0.12	-0.11	0.75
		0.11	0.07		0.18	0.02		0.71	0.35		0.07	0.04		-0.01	0.02
2GK3BP	0.87	0.80	3.38	1.00	0.35	3.57	4.03	0.05	3.60	0.97	0.43	2.26	0.13	0.01	1.93
		0.13	0.15		0.07	0.20		0.04	0.86		0.09	0.15		0.00	0.06
33JQFQ	0.69	-0.31	0.78	0.79	-0.77	0.72	3.25	-1.03	0.11	0.88	0.02	1.96	0.12	-0.07	1.58
		-0.05	0.04		-0.15	0.04		-0.75	0.03		0.01	0.13		-0.01	0.05
XNBEWV	0.88	0.88	0.58	1.08	0.76	0.47	4.47	0.65	0.75	1.00	0.60	0.98	0.14	0.10	0.19
		0.14	0.03		0.15	0.03		0.48	0.18		0.13	0.07		0.01	0.01
6BMKMN	1.01	1.69	0.64	1.33	2.09	0.27	4.39	0.55	0.24	1.14	1.26	0.43	0.25	1.00	0.21
		0.27	0.03		0.40	0.02		0.40	0.06		0.26	0.03		0.12	0.01
9JP2MJ	0.65	-0.56	0.92	0.82	-0.61	0.63	3.17	-1.13	0.31	0.74	-0.68	0.87	0.07	-0.53	0.33
		-0.09	0.04		-0.12	0.04		-0.82	0.08		-0.14	0.06		-0.06	0.01
PFR9KY	0.92	1.12	0.09	1.19	1.34	0.97	4.28	0.39	0.81	0.93	0.24	0.29	0.15	0.18	0.54
		0.18	0.00		0.26	0.05		0.29	0.19		0.05	0.02		0.02	0.02
K8VMR6	0.81	0.44	0.38	0.93	-0.04	0.10	3.47	-0.73	0.24	0.91	0.14	0.17	0.14	0.10	0.39
		0.07	0.02		-0.01	0.01		-0.53	0.06		0.03	0.01		0.01	0.01
FPNYC9	0.74	-0.01	0.22	0.85	-0.46	0.55	3.86	-0.19	0.38	0.71	-0.81	0.51	0.09	-0.33	0.69
		0.00	0.01		-0.09	0.03		-0.14	0.09		-0.17	0.03		-0.04	0.02
WGX7VT	0.73	-0.07	1.15	0.84	-0.49	0.18	3.34	-0.90	0.04	0.85	-0.12	0.52	0.12	-0.13	0.19
		-0.01	0.05		-0.09	0.01		-0.66	0.01		-0.03	0.04		-0.02	0.01
QECBRZ	0.86	0.73	0.64	1.02	0.45	1.12	5.13	1.56	1.31	1.33	2.20	0.96	0.11	-0.19	0.88
		0.12	0.03		0.09	0.06		1.14	0.31		0.46	0.07		-0.02	0.03
6VACMK	0.60	-0.91	0.00	0.67	-1.40	1.03	3.00	-1.37	0.42	0.50	-1.83	0.00	0.10	-0.27	0.00
		-0.14	0.00		-0.27	0.06		-1.00	0.10		-0.38	0.00		-0.03	0.00
DCARM D	1.71	6.19	0.96	2.45	7.95	3.51	8.54	6.24	6.09	1.99	5.36	3.77	0.26	1.11	0.88
		0.97	0.04		1.52	0.20		4.54	1.46		1.11	0.26		0.13	0.03
T9EFX6	0.58	-1.03	0.00	1.05	0.61	0.00	4.01	0.02	0.00	0.68	-0.96	0.00	0.12	-0.10	0.00
		-0.16	0.00		0.12	0.00		0.01	0.00		-0.20	0.00		-0.01	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
BMDAYP	0.71	-0.22	0.56	0.93	-0.02	0.95	3.67	-0.45	0.87	0.76	-0.55	0.37	0.09	-0.36	0.35
		-0.04	0.03		0.00	0.05		-0.33	0.21		-0.12	0.03		-0.04	0.01
		1.38	0.80		0.54	0.22		-0.01	0.44		1.30	0.11		0.99	0.85
T84DB7	0.96	0.22	0.04	1.04	0.10	0.01	3.99	-0.01	0.11	1.15	0.27	0.01	0.25	0.11	0.03
		-0.06	1.95		-0.04	1.41		0.51	0.26		-0.04	1.24		-0.18	0.37
63C7VU	0.73	-0.01	0.09	0.93	-0.01	0.08	4.37	0.37	0.06	0.87	-0.01	0.08	0.11	-0.02	0.01
		0.78	3.18		0.71	3.45		0.69	2.97		1.25	2.53		0.04	0.51
2WG8UU	0.86	0.12	0.14	1.07	0.14	0.19	4.50	0.50	0.71	1.14	0.26	0.17	0.14	0.01	0.02
		0.33	0.34		0.19	0.31		-0.51	0.47		-0.02	0.37		0.16	0.33
UNPG82	0.79	0.05	0.02	0.97	0.04	0.02	3.63	-0.37	0.11	0.87	-0.01	0.03	0.15	0.02	0.01
		-0.39	0.58		-0.95	0.27		-1.62	0.04		-1.23	0.37		0.07	0.33
8CMGZN	0.68	-0.06	0.03	0.75	-0.18	0.02	2.82	-1.18	0.01	0.62	-0.26	0.03	0.14	0.01	0.01
		-0.40	0.28		-0.06	0.38		0.01	0.30		0.15	0.14		-0.26	0.04
CPEWRJ	0.68	-0.06	0.01	0.92	-0.01	0.02	4.01	0.01	0.07	0.91	0.03	0.01	0.10	-0.03	0.00
		-0.05	1.28		-0.35	1.03		0.60	0.64		-1.34	1.48		1.45	3.34
VBVLAX	0.73	-0.01	0.06	0.87	-0.07	0.06	4.43	0.44	0.15	0.60	-0.28	0.10	0.30	0.17	0.10
		-0.16	0.34		0.00	1.32		-0.27	1.11		-0.23	0.64		-0.01	0.58
AM2DUK	0.72	-0.03	0.02	0.93	0.00	0.07	3.80	-0.20	0.26	0.83	-0.05	0.04	0.13	0.00	0.02
		1.65			0.35			-1.05	0.64		1.07	0.00		3.47	1.93
3BBBBQ	1.00	0.26	0.00	1.00	0.07	0.00	3.23	-0.76	0.15	1.10	0.22	0.00	0.53	0.40	0.06
		0.65	0.10		0.16	0.06		-0.56	0.05		-0.09	0.05		0.32	0.04
4JGF2L	0.84	0.10	0.00	0.96	0.03	0.00	3.59	-0.41	0.01	0.86	-0.02	0.00	0.17	0.04	0.00
		-0.01			0.35			0.32			-0.09			1.54	
YTJ7GT	0.74	0.00	0.00	1.00	0.07	0.00	4.23	0.23	0.00	0.86	-0.02	0.00	0.31	0.18	0.00
		0.80	0.34		0.75	0.55		0.25	0.57		0.57	0.37		8.02	3.18
MZGWVZ	0.87	0.13	0.02	1.08	0.14	0.03	4.18	0.18	0.14	1.00	0.12	0.03	1.06	0.93	0.10
		-1.33	1.28		-1.23	0.00		-1.14	0.24		0.43	0.85		-0.27	0.00
C8H8XB	0.53	-0.21	0.06	0.70	-0.23	0.00	3.17	-0.83	0.06	0.97	0.09	0.06	0.10	-0.03	0.00
		8.03	11.02		12.06	11.00		9.70	5.73		5.79	3.74		-0.03	2.27
ZZZ3WM	2.00	1.26	0.50	3.24	2.30	0.62	11.05	7.06	1.37	2.08	1.20	0.25	0.13	0.00	0.07
		-0.95	0.23		-0.98	0.18		-0.38	0.13		-0.43	0.11		-0.94	0.05
PHEWWY	0.59	-0.15	0.01	0.75	-0.19	0.01	3.72	-0.27	0.03	0.79	-0.09	0.01	0.02	-0.11	0.00
		0.52	0.15		0.19	0.02		0.53	0.07		0.70	0.13		-0.52	0.17
XYFCWR	0.82	0.08	0.01	0.97	0.04	0.00	4.39	0.39	0.02	1.02	0.15	0.01	0.07	-0.06	0.01
		-0.21	0.18		-0.31	0.23		-0.71	0.23		-0.42	0.15		-0.46	0.31
J6NUD7	0.71	-0.03	0.01	0.88	-0.06	0.01	3.48	-0.52	0.06	0.79	-0.09	0.01	0.08	-0.05	0.01
		0.69			-0.39			-1.11			0.49			0.24	
VNJNRP	0.85	0.11	0.00	0.86	-0.07	0.00	3.19	-0.81	0.00	0.98	0.10	0.00	0.16	0.03	0.00
		1.25	0.56		1.35	0.96		0.81	2.19		1.09	3.43		1.58	0.84
DYXQH7	0.94	0.20	0.03	1.19	0.26	0.05	4.59	0.59	0.52	1.10	0.23	0.23	0.31	0.18	0.03



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		0.74			0.93			4.00			0.88			0.13	
Median Abs Dev		0.10			0.10			0.40			0.11			0.03	
Avg Within Lab SD		0.05			0.06			0.24			0.07			0.03	
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		

Zn - HCl (SubTestCode 174)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
T9EFX6	0.26	0.00	4.79	0.00	15.49	0.00	2.39	0.00	0.93	0.00	
		1.23		0.28		1.25		0.69		0.90	
CPEWRJ	3.85	0.27	8.91	0.11	18.25	0.93	3.08	0.09	1.45	0.16	
		0.69		1.39		0.66		1.24		1.09	
4KCY3M	2.33	0.15	6.07	0.55	11.07	0.49	1.77	0.15	0.80	0.20	
Grand Median		2.33		6.07		15.5		2.39		0.93	
Median Abs Dev											
Avg Within Lab SD		0.22		0.40		0.7		0.12		0.18	
Labs Included		3		3		3		3		3	
Labs Reporting		3		3		3		3		3	



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

Mn-H3PO4 (SubTestCode 175)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
4KCY3M	1.00	0.00	4.33	1.00 0.58	5.33	1.00 1.15	8.33	1.00 2.08	8.67	1.00 2.31	
Grand Median		1.00		4.33		5.33		8.33		8.67	
Median Abs Dev											
Avg Within Lab SD		0.00		0.58		1.15		2.08		2.31	
Labs Included		1		1		1		1		1	
Labs Reporting		1		1		1		1		1	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 176)															
in the Micronutrients Property Groups															
Data units: mg/kg															
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	6.43	0.22	0.07	9.73	0.58	0.19	3.10	0.00	0.00	11.60	-0.18	0.00	1.10	-0.50	0.00
		0.50	0.06		1.68	0.06		0.00	0.00		-0.40	0.00		-0.90	0.00
83L8FJ	5.88	-0.02	0.23	7.27	-0.27	0.82	2.87	-0.09	0.44	12.37	0.16	0.61	1.60	-0.22	0.27
		-0.05	0.18		-0.78	0.25		-0.23	0.14		0.37	0.47		-0.40	0.17
BFZE6F	5.89	-0.02	0.15	8.05	0.00	0.25	2.67	-0.16	0.26	12.53	0.24	0.37	2.50	0.27	0.23
		-0.05	0.12		0.00	0.08		-0.43	0.08		0.53	0.29		0.50	0.14
2GK3BP	7.29	0.60	0.86	8.97	0.31	1.16	3.92	0.30	1.46	13.98	0.89	2.12	2.60	0.33	0.72
		1.36	0.67		0.92	0.36		0.82	0.45		1.98	1.65		0.60	0.44
6VACMK	5.93	0.00	0.32	7.37	-0.23	0.19	1.57	-0.56	0.19	10.47	-0.69	0.32	1.63	-0.20	0.80
		3.18	0.90		3.47	2.29		1.06	1.71		2.76	1.49		0.20	2.19
LZMPAC	13.07	7.13	0.70	18.20	10.15	0.70	6.00	2.90	0.53	18.17	6.17	1.16	2.37	0.37	1.35
		-0.22	0.45		-0.21	1.24		3.49	1.87		0.00	1.28		3.41	1.38
AM2DUK	5.43	-0.50	0.35	7.43	-0.62	0.38	12.67	9.57	0.58	12.00	0.00	1.00	8.17	6.17	0.85
		-0.64			-0.22			-0.36			-1.12				
YTJ7GT	4.50	-1.43	0.00	7.40	-0.65	0.00	2.10	-1.00	0.00	9.50	-2.50	0.00			
		1.16	2.66		0.78	0.20		0.06	0.39		-0.03	0.20		-0.26	0.22
MZGWVZ	8.53	2.59	2.09	10.33	2.28	0.06	3.27	0.17	0.12	11.94	-0.06	0.15	1.53	-0.47	0.14
Grand Median		5.93		8.05			3.10			12.0			2.00		
Median Abs Dev		0.50		0.78			0.82			0.5			0.48		
Avg Within Lab SD		0.78		0.31			0.31			0.8			0.62		
Labs Included		9		9			9			9			8		
Labs Reporting		9		9			9			9			8		



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 177)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
83L8FJ	0.74	0.54	0.59	0.96	0.31	0.57	0.52	-0.26	0.35	0.42	0.00	0.25	0.02	-0.49	0.25	
		0.13	0.05		0.10	0.05		-0.05	0.02		0.00	0.02		-0.03	0.00	
BFZE6F	0.91	1.22	0.11	1.10	0.77	0.09	0.40	-0.88	0.16	0.34	-0.67	0.09	0.10	0.82	0.14	
		0.30	0.01		0.25	0.01		-0.17	0.01		-0.08	0.01		0.05	0.00	
644GFL	0.59	-0.08	2.53	0.78	-0.22	2.11	0.42	-0.76	2.92	0.34	-0.68	0.95	0.02	-0.40	0.87	
		-0.02	0.21		-0.07	0.18		-0.15	0.18		-0.08	0.06		-0.03	0.01	
6BMKMN	0.66	0.22	0.39	0.89	0.11	0.30	0.53	-0.17	0.46	0.33	-0.78	0.23	0.02	-0.46	0.00	
		0.06	0.03		0.04	0.03		-0.03	0.03		-0.09	0.02		-0.03	0.00	
FPNYC9	0.32	-1.18	0.39	0.38	-1.46	1.15	0.30	-1.38	0.32	0.20	-1.89	0.46	0.03	-0.30	0.62	
		-0.29	0.03		-0.47	0.10		-0.27	0.02		-0.22	0.03		-0.02	0.01	
FKH3T9	0.95	1.38	0.31	1.28	1.33	0.72	0.72	0.80	0.17	0.52	0.86	0.08	0.03	-0.25	0.26	
		0.34	0.03		0.43	0.06		0.16	0.01		0.10	0.01		-0.02	0.00	
3KE7UV	0.22	-1.57	0.13	0.47	-1.20	0.99	0.36	-1.04	0.35	0.29	-1.11	0.45	0.12	1.04	0.99	
		-0.39	0.01		-0.39	0.09		-0.20	0.02		-0.13	0.03		0.07	0.02	
BMDAYP	0.45	-0.66	2.32	0.80	-0.17	0.23	0.30	-1.36	2.44	0.31	-0.92	3.77	0.01	-0.61	0.00	
		-0.16	0.19		-0.06	0.02		-0.26	0.15		-0.11	0.25		-0.04	0.00	
GAPFPH	0.82	0.86	0.12	0.97	0.36	0.15	0.64	0.35	0.21	0.49	0.59	0.16	0.10	0.73	0.18	
		0.21	0.01		0.12	0.01		0.07	0.01		0.07	0.01		0.05	0.00	
T84DB7	0.52	-0.38	0.27	0.61	-0.75	0.26	0.52	-0.24	0.38	0.40	-0.13	0.24	0.05	-0.02	0.28	
		-0.09	0.02		-0.24	0.02		-0.05	0.02		-0.02	0.02		0.00	0.00	
2WG8UU	0.54	-0.26	2.79	0.60	-0.79	3.10	0.45	-0.59	1.90	0.40	-0.18	1.74	0.12	1.04	0.71	
		-0.07	0.23		-0.26	0.27		-0.11	0.12		-0.02	0.12		0.07	0.01	
JBF2VE	0.69	0.34	0.18	0.90	0.14	0.29	0.57	0.00	0.56							
		0.08	0.02		0.04	0.03		0.00	0.04							
6B3QZT	0.75	0.59	1.33	1.10	0.77	1.52	0.65	0.42	0.56	0.50	0.67	0.23	0.04	-0.08	0.64	
		0.14	0.11		0.25	0.13		0.08	0.03		0.08	0.02		-0.01	0.01	
CPEWRJ	0.94	1.36	0.43	1.09	0.74	0.50	0.84	1.40	0.24	0.55	1.12	0.24	0.15	1.55	1.89	
		0.34	0.04		0.24	0.04		0.27	0.02		0.13	0.02		0.10	0.03	
3BBBBQ	0.60	-0.03	0.00	0.50	-1.10		0.40	-0.86	0.00	0.40	-0.15	0.00	0.20	2.34	0.00	
		-0.01	0.00		-0.36	0.00		-0.17	0.00		-0.02	0.00		0.15	0.00	
LVRZT6	0.67	0.24	0.35	0.87	0.04	0.88	0.62	0.26	0.46	0.47	0.42	0.43	0.05	0.01	0.00	
		0.06	0.03		0.01	0.08		0.05	0.03		0.05	0.03		0.00	0.00	
RCXBZX	0.55	-0.25	0.14	0.72	-0.41	0.35	0.61	0.22	0.28	0.46	0.33	0.23	0.04	-0.15	0.62	
		-0.06	0.01		-0.13	0.03		0.04	0.02		0.04	0.02		-0.01	0.01	
HUC6ZA	0.62	0.03	0.66	0.95	0.30	0.90	0.70	0.70	0.51	0.46	0.36	0.60	0.11	0.94		
		0.01	0.06		0.10	0.08		0.14	0.03		0.04	0.04		0.06	0.00	
YTJ7GT	0.84	0.94		1.07	0.67		0.72	0.79		0.47	0.45					
		0.23	0.00		0.22	0.00		0.15	0.00		0.05	0.00				
YPJVKT	1.08	1.92	0.43	1.45	1.85	0.83	0.94	1.91	0.09	0.62	1.70	0.46	0.11	0.94		
		0.47	0.04		0.60	0.07		0.37	0.01		0.20	0.03		0.06	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		
BHL3GF	0.57	-0.17	0.55	0.84	-0.04	0.29	0.67	0.51	0.24	0.49	0.62	0.52			
		-0.04	0.05		-0.01	0.03		0.10	0.02		0.07	0.03			
4KCY3M	0.57	-0.17	0.69	0.60	-0.79	1.15	0.57	0.00	1.84	0.37	-0.44	1.73	0.13	1.30	3.57
		-0.04	0.06		-0.26	0.10		0.00	0.12		-0.05	0.12		0.08	0.06
PHEWWY	0.23	-1.53	0.09	0.33	-1.63	0.18	0.40	-0.85	0.64	0.30	-1.01	0.17	0.05	-0.01	0.12
		-0.38	0.01		-0.53	0.02		-0.17	0.04		-0.12	0.01		0.00	0.00
F4R897	0.54	-0.26	0.18	0.78	-0.23	0.20	0.65	0.43	0.00	0.47	0.45	0.15			
		-0.07	0.02		-0.08	0.02		0.08	0.00		0.05	0.01			
Grand Median		0.61			0.86			0.57			0.42			0.050	
Median Abs Dev		0.11			0.23			0.13			0.07			0.035	
Avg Within Lab SD		0.08			0.09			0.06			0.07			0.016	
Labs Included		24			24			24			23			20	
Labs Reporting		24			24			24			23			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		

B-DTPA/Sorbitol (SubTestCode 178)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.30	-1.35	0.14	0.39	-0.82	0.27	0.12	-0.71	0.19	0.12	-0.70	0.41	0.01	-0.44	0.07	
		-0.20	0.00		-0.15	0.01		-0.07	0.01		-0.06	0.01		-0.06	0.00	
AAUKBK	0.58	0.54	0.46	0.65	0.65	0.25	0.15	-0.43	0.00	0.13	-0.56	0.00	0.00	-0.53	0.00	
		0.08	0.01		0.12	0.01		-0.04	0.00		-0.05	0.00		-0.07	0.00	
GZ63WD	0.40	-0.65	0.95	0.46	-0.43	0.71	0.20	0.11	0.98	0.17	-0.07	0.43	0.05	-0.17	0.27	
		-0.10	0.02		-0.08	0.03		0.01	0.03		-0.01	0.02		-0.02	0.01	
2GK3BP	0.55	0.34	1.21	0.62	0.50	1.26	0.22	0.28	0.85	0.18	-0.03	0.65	0.03	-0.30	0.41	
		0.05	0.03		0.09	0.05		0.03	0.03		0.00	0.02		-0.04	0.02	
33JQFQ	0.43	-0.45	0.95	0.46	-0.39	0.28	0.13	-0.59	0.67	0.14	-0.41	0.43	0.03	-0.35	0.41	
		-0.07	0.02		-0.07	0.01		-0.06	0.02		-0.04	0.02		-0.05	0.02	
9JP2MJ	0.47	-0.18	1.91	0.53	-0.02	0.98	0.13	-0.66	0.81	0.15	-0.37	0.59	0.02	-0.40	0.27	
		-0.03	0.04		0.00	0.04		-0.07	0.03		-0.03	0.02		-0.05	0.01	
PFR9KY	0.52	0.12	0.54	0.58	0.25	0.42	0.18	-0.08	0.57	0.18	0.03	0.42	0.06	-0.09	0.22	
		0.02	0.01		0.05	0.02		-0.01	0.02		0.00	0.01		-0.01	0.01	
K8VMR6	0.50	0.00	0.00	0.62	0.50	0.62	0.20	0.08	0.00	0.20	0.23	0.00	0.11	0.32	0.31	
		0.00	0.00		0.09	0.03		0.01	0.00		0.02	0.00		0.04	0.01	
6VACMK	0.50	0.00	0.00	0.50	-0.18		0.23	0.41	1.85	0.10	-0.90	0.00	0.13	0.48	1.53	
		0.00	0.00		-0.03	0.00		0.04	0.06		-0.08	0.00		0.06	0.06	
DCARMD	0.35	-0.98	0.82	0.30	-1.30	0.90										
		-0.15	0.02		-0.23	0.04										
8CMGZN	0.55	0.34	2.29	0.56	0.17	0.38	0.24	0.48	0.56	0.22	0.46	0.57	0.18	0.84	0.53	
		0.05	0.05		0.03	0.02		0.05	0.02		0.04	0.02		0.11	0.02	
VBVLAX	0.50	0.00	0.00	0.53	0.00	1.42	0.47	2.76	1.85	0.23	0.61	1.64	0.20	0.99	0.00	
		0.00	0.00		0.00	0.06		0.27	0.06		0.05	0.06		0.13	0.00	
AM2DUK	0.53	0.18	0.95	0.63	0.52	1.40	0.18	-0.12	1.16	0.20	0.19	1.14	0.08	0.09	0.16	
		0.03	0.02		0.09	0.06		-0.01	0.04		0.02	0.04		0.01	0.01	
MZGWVZ	1.02	3.48	0.26	1.02	2.68	2.36	0.18	-0.09	1.03	0.46	3.21	0.91	0.40	2.57	1.26	
		0.52	0.01		0.48	0.10		-0.01	0.03		0.28	0.03		0.33	0.05	
C8H8XB	0.35	-1.01	0.46	0.38	-0.83	0.57	0.09	-1.06	0.19	0.13	-0.60	0.16	0.03	-0.30	0.15	
		-0.15	0.01		-0.15	0.02		-0.11	0.01		-0.05	0.01		-0.04	0.01	
J6NUD7	0.48	-0.12	1.16	0.46	-0.43	0.64	0.29	1.02	1.18	0.29	1.23	1.69	0.26	1.44	0.53	
		-0.02	0.03		-0.08	0.03		0.10	0.04		0.11	0.06		0.19	0.02	
DYXQH7	0.76	1.72	1.04	0.86	1.81	1.39	0.38	1.92	1.37	0.29	1.20	2.55	0.26	1.49	3.29	
		0.26	0.02		0.33	0.06		0.19	0.04		0.11	0.09		0.19	0.12	
Grand Median		0.50		0.53			0.19			0.18			0.072			
Median Abs Dev		0.05		0.09			0.05			0.05			0.055			
Avg Within Lab SD		0.02		0.04			0.03			0.04			0.038			
Labs Included		17		17			16			16			16			
Labs Reporting		17		17			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		

Soil Kjeldahl N (SubTestCode 179)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	0.16	-0.55	0.10	0.21	-0.51	0.42	0.19	-0.53	0.08	0.08	0.05	0.29	0.03	0.00	0.07
		-0.01	0.00		-0.01	0.00		-0.01	0.00		0.00	0.00		0.00	0.00
644GFL	0.15	-0.95	2.20	0.21	-0.44	1.11	0.18	-0.69	1.55	0.06	-0.99	1.72			
		-0.02	0.02		-0.01	0.01		-0.01	0.01		-0.01	0.01			
PMCBR2	0.15	-0.84	0.80	0.22	-0.33	0.84	0.17	-1.04	1.66	0.05	-1.46	1.21			
		-0.02	0.01		-0.01	0.01		-0.02	0.01		-0.02	0.01			
2GK3BP	0.15	-0.84	1.10	0.21	-0.70	0.24	0.17	-1.03	0.89	0.06	-0.87	1.35	0.02	-0.95	1.40
		-0.02	0.01		-0.02	0.00		-0.02	0.01		-0.01	0.01		-0.01	0.01
33JQFQ	0.18	0.38	0.56	0.25	0.94	0.98	0.20	0.30	0.84	0.08	0.21	0.00	0.03	-0.31	0.09
		0.01	0.00		0.02	0.01		0.01	0.01		0.00	0.00		0.00	0.00
PFR9KY	0.17	-0.25	0.15	0.22	-0.20	0.33	0.19	-0.08	1.66	0.07	-0.07	0.60	0.04	0.96	2.44
		-0.01	0.00		-0.01	0.00		0.00	0.01		0.00	0.00		0.01	0.02
FPNYC9	0.18	0.48	1.97	0.24	0.51	2.16	0.21	0.48	1.35	0.12	3.00	2.07	0.07	2.49	0.90
		0.01	0.02		0.01	0.02		0.01	0.01		0.05	0.01		0.04	0.01
GAPFPH	0.18	0.25	0.13	0.24	0.44	0.14	0.20	0.26	0.12	0.07	-0.05	0.21	0.02	-0.36	0.09
		0.01	0.00		0.01	0.00		0.01	0.00		0.00	0.00		-0.01	0.00
YTJ7GT	0.18	0.29		0.23	0.20		0.20	0.08		0.07	-0.52				
		0.01	0.00		0.01	0.00		0.00	0.00		-0.01	0.00			
4KCY3M	0.18	0.41	0.07	0.24	0.72	1.63	0.21	0.45	0.35	0.08	0.66	0.12	0.04	0.45	0.39
		0.01	0.00		0.02	0.01		0.01	0.00		0.01	0.00		0.01	0.00
X3EMTR	0.12	-2.37	0.72	0.16	-2.33	0.87	0.14	-2.52	0.80	0.08	0.08	0.88	0.03	0.21	0.25
		-0.06	0.01		-0.06	0.01		-0.05	0.01		0.00	0.00		0.00	0.00
XYFCWR	0.18	0.48	0.75	0.24	0.77	0.82	0.21	0.64	0.00	0.08	0.13	0.43	0.02	-0.34	0.18
		0.01	0.01		0.02	0.01		0.01	0.00		0.00	0.00		-0.01	0.00
Grand Median		0.17		0.22			0.20				0.075			0.030	
Median Abs Dev		0.01		0.01			0.01				0.006			0.005	
Avg Within Lab SD		0.01		0.01			0.01				0.005			0.006	
Labs Included		12		12			12				12			9	
Labs Reporting		12		12			12				12			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 TN (combustion) (SubTestCode 180)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	0.18	0.28	1.42	0.23	0.29	1.23	0.21	0.26	1.61	0.10	1.66	1.62	0.05	1.37	1.93	
		0.00	0.01		0.01	0.01		0.00	0.01		0.02	0.01		0.02	0.01	
AAUKBK	0.18	0.44	0.22	0.23	0.05	0.93	0.20	-0.07	0.14	0.07	-0.71	0.12	0.02	-0.46	0.11	
		0.01	0.00		0.00	0.00		0.00	0.00		-0.01	0.00		-0.01	0.00	
GZ63WD	0.15	-1.68	0.36	0.19	-2.09	1.41	0.16	-2.43	1.71	0.07	-0.85	0.73	0.05	1.54	1.18	
		-0.03	0.00		-0.04	0.01		-0.04	0.01		-0.01	0.00		0.02	0.01	
83L8FJ	0.18	0.32	0.11	0.24	0.52	0.10	0.21	0.30	0.11	0.08	-0.12	0.11	0.03	-0.14	0.12	
		0.01	0.00		0.01	0.00		0.01	0.00		0.00	0.00		0.00	0.00	
33JQFQ	0.18	0.48	0.82	0.25	1.20		0.21	0.45	0.00	0.08	0.12	0.00	0.03	-0.07	0.00	
		0.01	0.01		0.02	0.00		0.01	0.00		0.00	0.00		0.00	0.00	
PFR9KY	0.21	1.98	2.17	0.26	1.86	1.12	0.23	1.54	2.01	0.12	3.19	0.81	0.06	1.85	1.24	
		0.03	0.02		0.03	0.01		0.03	0.01		0.04	0.01		0.03	0.01	
6VACMK	0.19	1.16	0.36	0.24	0.69	0.32	0.21	0.47	0.91	0.09	0.66	0.49	0.03	0.22	0.19	
		0.02	0.00		0.01	0.00		0.01	0.01		0.01	0.00		0.00	0.00	
RMZ998	0.29	6.68	3.57	0.30	3.93	0.00	0.28	4.29	1.61	0.16	6.01	4.95	3.42	244.40	12.28	
		0.11	0.03		0.07	0.00		0.07	0.01		0.08	0.03		3.39	0.06	
LZMPAC	0.18	0.18	0.22	0.23	0.05	0.37	0.20	-0.24	0.37	0.07	-0.29	0.37	0.02	-0.46	0.11	
		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		-0.01	0.00	
GAPFPH	0.17	-0.18	0.70	0.24	0.60	2.41	0.20	-0.05	0.93	0.08	0.38	0.89	0.04	0.79	0.89	
		0.00	0.00		0.01	0.01		0.00	0.01		0.00	0.01		0.01	0.00	
UNPG82	0.17	-0.32	0.00	0.22	-0.44	0.00	0.19	-0.70	1.39	0.08	0.12	0.00	0.03	-0.07	0.00	
		-0.01	0.00		-0.01	0.00		-0.01	0.01		0.00	0.00		0.00	0.00	
ZV768V	0.16	-0.92	0.00	0.21	-0.80	1.23	0.19	-0.51	0.80	0.07	-0.39	0.93	0.05	1.13	2.23	
		-0.02	0.00		-0.01	0.01		-0.01	0.01		-0.01	0.01		0.02	0.01	
CPEWRJ	0.19	0.75	0.11	0.24	0.63	1.94	0.22	0.78	1.48	0.08	0.47	1.01	0.03	0.07	0.96	
		0.01	0.00		0.01	0.01		0.01	0.01		0.01	0.01		0.00	0.00	
XHNEVW	0.17	-0.18	0.42	0.22	-0.50	0.33	0.19	-0.91	0.54	0.07	-0.28	0.70	0.02	-1.06	0.39	
		0.00	0.00		-0.01	0.00		-0.02	0.00		0.00	0.00		-0.01	0.00	
YTJ7GT	0.17	-0.38		0.22	-0.27		0.20	0.05		0.07	-0.34		0.03	0.07		
		-0.01	0.00		-0.01	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
ZZZ3WM	0.16	-0.92		0.20	-1.53		0.17	-1.85		0.08	0.12		0.03	-0.07		
		-0.02	0.00		-0.03	0.00		-0.03	0.00		0.00	0.00		0.00	0.00	
DM76CB	0.16	-0.98	0.71	0.23	-0.05	0.37	0.21	0.26	0.43	0.08	-0.19	0.28	0.03	-0.26	0.30	
		-0.02	0.01		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
PHEWWY	0.17	-0.20	0.57	0.23	-0.15	0.81	0.20	-0.35	0.65	0.07	-0.41	0.57	0.03	-0.37	0.19	
		0.00	0.00		0.00	0.00		-0.01	0.00		-0.01	0.00		-0.01	0.00	
DYXQH7	0.19	0.78	2.96	0.22	-0.39	0.36	0.22	0.93	0.97	0.10	1.85	3.20	0.06	2.14	2.07	
		0.01	0.02		-0.01	0.00		0.02	0.01		0.02	0.02		0.03	0.01	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		0.18			0.23			0.20			0.078			0.031	
Median Abs Dev		0.01			0.01			0.01			0.005			0.006	
Avg Within Lab SD		0.01			0.00			0.01			0.006			0.005	
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		

Soil TOC (Combustion) (SubTestCode 181)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
YAA32W	1.56	-2.06	0.15	2.87	0.88	0.46	2.40	0.49	0.27	0.84	0.29	1.12	0.38	-0.33	0.37
		-0.53	0.01		0.17	0.03		0.04	0.02		0.02	0.04		-0.03	0.01
GZ63WD							2.17	-2.32	1.02	0.77	-0.88	1.87	0.40	-0.09	0.33
								-0.19	0.09		-0.06	0.06		-0.01	0.01
83L8FJ	1.89	-0.78	0.15	2.72	0.06	0.08	2.36	-0.02	0.19	0.82	0.03	0.24	0.39	-0.23	0.19
		-0.20	0.01		0.01	0.00		0.00	0.02		0.00	0.01		-0.02	0.01
LZMPAC	2.23	0.51	0.41	2.76	0.29	0.14	2.37	0.15	0.21	0.91	1.42	0.64	0.49	0.76	0.38
		0.13	0.02		0.06	0.01		0.01	0.02		0.09	0.02		0.07	0.01
GAPFPH	2.22	0.49	1.63	3.12	2.18	3.08	2.54	2.17	0.34	0.90	1.24	0.56	0.51	0.99	0.75
		0.13	0.10		0.41	0.17		0.18	0.03		0.08	0.02		0.10	0.03
UNPG82	2.27	0.67	0.43	2.87	0.86	0.35	2.34	-0.22	0.94	0.85	0.40	1.19	0.42	0.09	0.51
		0.17	0.03		0.16	0.02		-0.02	0.08		0.02	0.04		0.01	0.02
6B3QZT	1.78	-1.21	0.92	2.49	-1.16	0.85	2.46	1.26	2.26	0.77	-0.89	0.50	0.33	-0.81	1.74
		-0.31	0.05		-0.22	0.05		0.10	0.19		-0.06	0.02		-0.08	0.07
ZV768V	2.09	0.00	0.43	2.67	-0.19	0.31	2.42	0.73	0.20	0.85	0.45	0.00	0.48	0.66	0.59
		0.00	0.03		-0.04	0.02		0.06	0.02		0.03	0.00		0.07	0.02
CPEWRJ	2.21	0.45	1.39	2.71	0.00	1.08	2.36	0.02	1.43	0.97	2.40	0.46	0.57	1.57	1.55
		0.12	0.08		0.00	0.06		0.00	0.12		0.15	0.01		0.16	0.06
XHNEVW	2.16	0.26	0.43	2.74	0.16	0.61	2.33	-0.44	0.22	0.78	-0.63	0.82	0.33	-0.78	0.32
		0.07	0.03		0.03	0.03		-0.04	0.02		-0.04	0.03		-0.08	0.01
YTJ7GT	1.81	-1.10		2.46	-1.29		2.35	-0.14		0.81	-0.19		0.42	0.09	
		-0.28	0.00		-0.25	0.00		-0.01	0.00		-0.01	0.00		0.01	0.00
ZZZ3WM	2.13	0.14		2.65	-0.29		2.28	-1.00		0.82	-0.03		0.39	-0.22	
		0.04	0.00		-0.06	0.00		-0.08	0.00		0.00	0.00		-0.02	0.00
DM76CB	1.96	-0.52	0.18	2.66	-0.24	0.44	2.33	-0.34	0.16	0.79	-0.52	0.04	0.38	-0.37	0.27
		-0.14	0.01		-0.05	0.02		-0.03	0.01		-0.03	0.00		-0.04	0.01
PHEWWY	3.46	5.30	1.04	4.56	9.73	0.95	4.03	20.66	0.28	1.38	8.88	0.35	0.68	2.71	0.47
		1.37	0.06		1.85	0.05		1.67	0.02		0.56	0.01		0.27	0.02
DYXQH7	1.95	-0.57	2.60	2.49	-1.15	0.80	2.37	0.15	2.12	0.82	-0.08	2.43	0.65	2.46	2.61
		-0.15	0.15		-0.22	0.05		0.01	0.18		-0.01	0.08		0.24	0.10
Grand Median		2.09		2.71			2.36				0.82			0.41	
Median Abs Dev		0.14		0.06			0.03				0.03			0.05	
Avg Within Lab SD		0.06		0.06			0.09				0.03			0.04	
Labs Included		13		13			14				14			14	
Labs Reporting		13		13			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		

SOM - Walkley-Black (SubTestCode 182)		in the Soil Organic Matter Property Groups										Data units: Percent			
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	3.68	1.75	0.04	4.99	1.03	0.04	4.99	1.35	0.41	1.67	0.40	0.18	0.92	1.15	0.15
		0.60	0.01		0.72	0.03		0.86	0.08		0.16	0.03		0.26	0.03
644GFL	3.17	0.25	0.64	4.17	-0.13	0.19	4.06	-0.10	0.61	2.03	1.28	0.43	1.30	2.84	1.13
		0.09	0.17		-0.09	0.12		-0.06	0.12		0.52	0.07		0.63	0.19
9JP2MJ	2.92	-0.47	0.58	4.23	-0.05	0.40	3.82	-0.48	0.21	1.85	0.85	1.22	0.82	0.67	0.52
		-0.16	0.15		-0.04	0.26		-0.31	0.04		0.34	0.20		0.15	0.09
PFR9KY	3.20	0.34	0.66	4.50	0.33	0.57	4.30	0.28	1.55	1.53	0.07	0.91	0.67	0.00	0.70
		0.12	0.17		0.23	0.36		0.18	0.30		0.03	0.15		0.00	0.12
FPNYC9	3.27	0.54	1.16	5.17	1.28	0.48	4.70	0.90	1.03	2.83	3.28	1.25	0.60	-0.30	1.22
		0.18	0.31		0.90	0.31		0.58	0.20		1.33	0.21		-0.07	0.20
LZMPAC	3.16	0.22		4.24	-0.04		3.92	-0.32		1.24	-0.66		0.59	-0.34	
		0.08	0.00		-0.03	0.00		-0.20	0.00		-0.27	0.00		-0.08	0.00
2WG8UU	2.45	-1.85	3.62	3.83	-0.61	0.66	3.29	-1.31	3.00	1.45	-0.13	1.16	0.72	0.22	0.09
		-0.63	0.96		-0.43	0.42		-0.83	0.58		-0.05	0.19		0.05	0.02
A9GXQK	3.07	-0.05	0.22	4.37	0.14	0.09	4.47	0.54	0.60	1.57	0.15	0.35	0.60	-0.31	0.15
		-0.02	0.06		0.10	0.06		0.34	0.12		0.06	0.06		-0.07	0.03
CPEWRJ	3.50	1.23	0.17	4.86	0.84	0.21	5.28	1.82	0.64	1.61	0.25	0.42	0.81	0.65	0.27
		0.42	0.04		0.59	0.14		1.16	0.12		0.10	0.07		0.14	0.04
XHNEVW	3.05	-0.10	0.22	4.29	0.04	0.07	4.07	-0.08	0.53	1.38	-0.32	0.26	0.66	-0.01	0.12
		-0.04	0.06		0.03	0.04		-0.05	0.10		-0.13	0.04		0.00	0.02
3BBBBQ	2.50	-1.71		3.00	-1.79	0.31	2.90	-1.92	0.52	1.27	-0.59	0.35	0.90	1.05	0.00
		-0.58	0.00		-1.27	0.20		-1.22	0.10		-0.24	0.06		0.23	0.00
YTJ7GT	2.70	-1.13		4.04	-0.32		3.77	-0.55		1.18	-0.81				
		-0.38	0.00		-0.23	0.00		-0.35	0.00		-0.33	0.00			
C8H8XB	2.97	-0.34	0.22	4.50	0.33	0.16	4.43	0.49	1.08	1.80	0.72	3.11	1.17	2.24	3.36
		-0.12	0.06		0.23	0.10		0.31	0.21		0.29	0.52		0.50	0.55
PHEWWY	3.10	0.05	0.40	4.12	-0.20	0.01	4.18	0.08	0.42	1.32	-0.46	0.52	0.62	-0.22	0.10
		0.02	0.11		-0.14	0.00		0.05	0.08		-0.19	0.09		-0.05	0.02
X3EMTR	3.14	0.15	0.12	4.48	0.30	0.07	4.31	0.29	0.40	1.48	-0.07	0.36	0.65	-0.07	0.13
		0.05	0.03		0.21	0.04		0.18	0.08		-0.03	0.06		-0.01	0.02
J6NUD7	2.88	-0.60	0.21	1.90	-3.36	3.82	3.94	-0.29	0.37	1.20	-0.76	0.08	0.66	-0.03	0.00
		-0.20	0.06		-2.37	2.44		-0.18	0.07		-0.31	0.01		-0.01	0.00
Grand Median		3.08		4.27			4.12			1.51			0.67		
Median Abs Dev		0.14		0.23			0.31			0.21			0.07		
Avg Within Lab SD		0.26		0.64			0.19			0.17			0.16		
Labs Included		16		16			16			16			15		
Labs Reporting		16		16			16			16			15		



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

SOM - LOI (% Wt loss) (SubTestCode 183)			in the Soil Organic Matter Property Groups												Data units: Percent	
SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605				
P9QWN3	2.83	-1.66	0.49	3.93	-1.78	0.41	3.97	-2.33	0.46	1.83	-1.21	0.51	0.60	-1.02	0.00	
		-0.82	0.06		-0.90	0.06		-0.93	0.06		-0.37	0.06		-0.16	0.00	
83L8FJ	3.52	-0.27	1.03	4.75	-0.16	0.84	4.80	-0.24	0.92	2.18	-0.08	0.29	0.76	0.00	0.18	
		-0.13	0.12		-0.08	0.12		-0.10	0.12		-0.02	0.03		0.00	0.02	
BFZE6F	4.10	0.91	0.60	5.35	1.02	0.30	5.17	0.69	0.26	2.55	1.16	0.43	0.87	0.74	0.08	
		0.45	0.07		0.52	0.04		0.27	0.03		0.35	0.05		0.11	0.01	
GBLMGA	4.43	1.59	0.98	5.53	1.38	1.09	5.53	1.58	1.21	2.90	2.30	2.64	1.43	4.44	5.40	
		0.78	0.12		0.70	0.15		0.63	0.15		0.70	0.30		0.68	0.58	
644GFL	4.15	1.01	0.26	5.40	1.11	0.37	5.34	1.09	0.46	2.68	1.58	0.89	0.87	0.77	0.11	
		0.50	0.03		0.56	0.05		0.44	0.06		0.48	0.10		0.12	0.01	
2GK3BP	3.79	0.28	0.60	4.87	0.08	0.34	5.03	0.32	0.82	2.27	0.22	0.54	0.78	0.18	0.19	
		0.14	0.07		0.04	0.05		0.13	0.10		0.07	0.06		0.03	0.02	
37H3CQ	5.70	4.17	0.00	7.20	4.67	1.04	6.35	3.62	1.56	3.10	2.98	1.95	0.75	-0.05	0.65	
		2.05	0.00		2.37	0.15		1.45	0.20		0.90	0.22		-0.01	0.07	
33JQFQ	3.65	0.00	1.49	4.66	-0.35	1.01	4.80	-0.25	2.13	2.35	0.48	1.32	0.94	1.18	0.92	
		0.00	0.18		-0.18	0.14		-0.10	0.27		0.15	0.15		0.18	0.10	
LM4ZL8	3.59	-0.12	2.73	4.76	-0.14	2.26	5.16	0.64	0.75	2.00	-0.65	0.84	0.89	0.88	0.00	
		-0.06	0.32		-0.07	0.32		0.26	0.09		-0.20	0.10		0.13	0.00	
6BMKMN	3.23	-0.86	0.64	4.58	-0.49	0.86	4.48	-1.06	0.09	2.09	-0.37	0.75	0.84	0.58	0.48	
		-0.42	0.08		-0.25	0.12		-0.42	0.01		-0.11	0.09		0.09	0.05	
F92H9C	4.36	1.45	0.59	4.92	0.18	0.86	4.97	0.17	0.59	2.72	1.72	0.61	1.28	3.44	0.65	
		0.71	0.07		0.09	0.12		0.07	0.08		0.52	0.07		0.52	0.07	
PFR9KY	3.98	0.67	1.68	4.75	-0.16	1.81	4.48	-1.05	2.77	2.39	0.63	0.90	0.73	-0.14	0.38	
		0.33	0.20		-0.08	0.25		-0.42	0.35		0.19	0.10		-0.02	0.04	
K8VMR6	3.60	-0.10	0.00	4.90	0.13	0.00	5.00	0.25	0.00	2.17	-0.11	0.51	0.60	-1.02	0.00	
		0.00	1.12		0.07	0.00		0.10	0.00		-0.03	0.06		-0.16	0.00	
XWTMKR	3.65	0.00	0.13	4.72	-0.22	0.48	4.75	-0.37	0.36	2.20	-0.01	0.71	0.78	0.14	0.27	
		0.00	0.13		-0.11	0.07		-0.15	0.05		0.00	0.08		0.02	0.03	
FPNYC9	4.34	1.40	0.15	5.67	1.66	0.18	5.47	1.43	0.12	2.73	1.74	0.09	0.93	1.14	0.25	
		0.69	0.02		0.84	0.03		0.57	0.02		0.53	0.01		0.17	0.03	
FKH3T9	3.71	0.13	0.52	4.97	0.27	0.38	4.86	-0.10	0.46	1.89	-1.03	0.82	0.61	-0.93	0.74	
		0.06	0.06		0.14	0.05		-0.04	0.06		-0.31	0.09		-0.14	0.08	
QECBRZ	3.96	0.63	0.31	5.17	0.66	0.28	5.23	0.83	0.32	2.35	0.48	0.65	0.76	0.00	0.11	
		0.31	0.04		0.34	0.04		0.33	0.04		0.15	0.07		0.00	0.01	
6VACMK	3.53	-0.24	0.59	4.80	-0.06	0.27	4.78	-0.29	0.75	2.09	-0.36	0.47	0.76	0.00	0.33	
		-0.12	0.07		-0.03	0.04		-0.12	0.09		-0.11	0.05		0.00	0.04	
DFA3JC	3.83	0.36	0.57	4.99	0.31	0.00	4.95	0.12	0.55	2.31	0.35	0.05	0.79	0.22	0.16	
		0.18	0.07		0.16	0.00		0.05	0.07		0.11	0.01		0.03	0.02	
K2N3HD	3.36	-0.58	0.32	4.48	-0.70	0.07	4.62	-0.69	0.16	2.11	-0.29	0.13	0.76	0.05	0.05	
		-0.29	0.04		-0.35	0.01		-0.28	0.02		-0.09	0.02		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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
YKBCLZ	3.44	-0.43	0.55	4.35	-0.96	0.68	4.41	-1.22	0.53	1.97	-0.77	0.36	0.61	-0.98	0.14
		-0.21	0.06		-0.49	0.10		-0.49	0.07		-0.23	0.04		-0.15	0.02
RMZ998	3.90	0.51	2.55	5.13	0.59	2.17	5.30	1.00	1.58	2.33	0.44	2.69	0.67	-0.59	3.01
		0.25	0.30		0.30	0.31		0.40	0.20		0.13	0.31		-0.09	0.32
T9EFX6	2.64	-2.05		1.28	-7.01		0.12	-11.94		0.24	-6.45		0.16	-3.91	
		-1.01	0.00		-3.55	0.00		-4.78	0.00		-1.96	0.00		-0.60	0.00
3KE7UV	3.02	-1.27	0.64	3.97	-1.70	0.86	4.09	-2.02	0.21	1.92	-0.92	0.35	0.68	-0.48	0.05
		-0.63	0.08		-0.86	0.12		-0.81	0.03		-0.28	0.04		-0.07	0.01
R9KB47	3.31	-0.69	1.78	5.02	0.37	1.61	5.03	0.32	1.87	2.07	-0.42	1.72	0.64	-0.74	0.46
		-0.34	0.21		0.19	0.23		0.13	0.24		-0.13	0.20		-0.11	0.05
LZMPAC	3.87	0.44	0.49	4.73	-0.20	0.41	4.67	-0.58	0.46	2.20	0.00	0.88	0.70	-0.37	0.00
		0.22	0.06		-0.10	0.06		-0.23	0.06		0.00	0.10		-0.06	0.00
GAPFPH	3.79	0.29	0.26	4.92	0.18	0.36	5.09	0.48	0.05	2.31	0.37	0.05	0.78	0.13	0.12
		0.14	0.03		0.09	0.05		0.19	0.01		0.11	0.01		0.02	0.01
T84DB7	3.93	0.58	0.98	5.10	0.53	0.71	5.03	0.33	0.91	2.37	0.55	0.51	0.80	0.29	0.00
		0.28	0.12		0.27	0.10		0.13	0.12		0.17	0.06		0.04	0.00
L2J8CD	4.12	0.95	0.34	5.03	0.39	0.15	5.11	0.52	0.32	2.71	1.69	0.22	0.94	1.23	0.39
		0.47	0.04		0.20	0.02		0.21	0.04		0.51	0.03		0.19	0.04
CJDKVM	3.75	0.21	0.05	4.92	0.16	0.00	5.00	0.26	0.00	2.26	0.19	0.92	0.75	-0.02	0.00
		0.10	0.01		0.08	0.00		0.10	0.00		0.06	0.10		0.00	0.00
TNQUE3	3.60	-0.10	1.47	4.77	-0.13	1.64	4.87	-0.08	1.83	2.13	-0.22	2.54	0.63	-0.80	0.54
		-0.05	0.17		-0.07	0.23		-0.03	0.23		-0.07	0.29		-0.12	0.06
2WG8UU	4.40	1.53	1.30	5.72	1.75	0.36	5.60	1.75	0.65	2.87	2.21	0.99	0.88	0.83	0.24
		0.75	0.15		0.89	0.05		0.70	0.08		0.67	0.11		0.13	0.03
XM44Y7	3.78	0.27	0.25	4.91	0.15	0.38	4.92	0.04	1.72	2.27	0.22	0.22	0.78	0.14	0.11
		0.13	0.03		0.08	0.05		0.02	0.22		0.07	0.03		0.02	0.01
PWR8L8	3.58	-0.14	0.31	4.56	-0.53	2.60	4.88	-0.05	0.69	2.15	-0.16	0.75	0.68	-0.50	0.47
		-0.07	0.04		-0.27	0.36		-0.02	0.09		-0.05	0.09		-0.08	0.05
VBVLAX	3.63	-0.03	0.49	4.83	0.00	0.41	4.77	-0.33	0.46	2.17	-0.11	0.51	0.70	-0.37	0.00
		-0.02	0.06		0.00	0.06		-0.13	0.06		-0.03	0.06		-0.06	0.00
TJBJ2Y	3.58	-0.15	0.35	4.72	-0.23	0.15	4.84	-0.15	0.16	2.22	0.07	0.55	0.65	-0.67	0.59
		-0.07	0.04		-0.12	0.02		-0.06	0.02		0.02	0.06		-0.10	0.06
AM2DUK	3.60	-0.10	0.85	4.77	-0.13	0.41	4.90	0.00	1.37	2.17	-0.11	0.51	0.77	0.09	0.25
		-0.05	0.10		-0.07	0.06		0.00	0.17		-0.03	0.06		0.01	0.03
XHNEVW	3.71	0.12	0.02	4.98	0.29	0.02	4.91	0.02	0.20	2.22	0.06	0.05	0.78	0.14	0.05
		0.06	0.00		0.15	0.00		0.01	0.03		0.02	0.01		0.02	0.01
49YVGP	3.28	-0.76	0.26	5.28	0.89	1.02	4.91	0.03	0.98	1.99	-0.69	0.15	0.68	-0.48	0.30
		-0.37	0.03		0.45	0.14		0.01	0.12		-0.21	0.02		-0.07	0.03
4JGF2L	4.70	2.13	1.43	5.25	0.82	1.48	5.04	0.34	1.77	2.67	1.56	0.24	0.62	-0.87	0.07
		1.05	0.17		0.41	0.21		0.14	0.22		0.47	0.03		-0.13	0.01
YTJ7GT	4.20	1.12		6.20	2.70		4.60	-0.75		2.20	0.00				
		0.55	0.00		1.37	0.00		-0.30	0.00		0.00	0.00			
YPJVKT	3.36	-0.59	0.98	4.77	-0.13	0.86	5.04	0.36	0.50	2.26	0.21	0.43	0.99	1.51	0.30
		-0.29	0.12		-0.06	0.12		0.14	0.06		0.06	0.05		0.23	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		
4KCY3M	3.07	-1.19	0.49	4.17	-1.32	0.82	4.20	-1.75	0.79	1.87	-1.10	0.51	0.70	-0.37	0.00
		-0.58	0.06		-0.67	0.12		-0.70	0.10		-0.33	0.06		-0.06	0.00
MZGWVZ	5.76	4.30	0.26	6.69	3.67	0.89	6.23	3.33	0.36	3.57	4.51	0.58	0.96	1.36	0.39
		2.11	0.03		1.86	0.12		1.33	0.05		1.37	0.07		0.21	0.04
DM76CB	3.60	-0.10	2.25	4.73	-0.20	2.29	4.90	0.00	1.58	2.13	-0.22	2.03	0.63	-0.80	1.08
		-0.05	0.26		-0.10	0.32		0.00	0.20		-0.07	0.23		-0.12	0.12
VNJNRP	3.64	-0.02	0.48	4.69	-0.28	0.40	4.76	-0.36	0.39	2.19	-0.05	0.31	0.75	-0.07	0.07
		-0.01	0.06		-0.14	0.06		-0.15	0.05		-0.02	0.04		-0.01	0.01
BLKJTA	3.67	0.03	0.49	4.47	-0.72	0.41	4.77	-0.33	0.46	2.43	0.77	0.51	3.33	16.90	0.54
		0.02	0.06		-0.37	0.06		-0.13	0.06		0.23	0.06		2.58	0.06
DYXQH7	3.73	0.16	0.87	4.93	0.19	0.79	5.09	0.47	0.48	2.28	0.27	0.57	0.80	0.27	0.11
		0.08	0.10		0.10	0.11		0.19	0.06		0.08	0.07		0.04	0.01
Grand Median		3.65			4.83			4.90			2.20			0.76	
Median Abs Dev		0.21			0.16			0.14			0.11			0.07	
Avg Within Lab SD		0.12			0.14			0.13			0.11			0.11	
Labs Included		45			45			45			45			44	
Labs Reporting		45			45			45			45			44	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 - Actual (Unregressed) (SubTestCode 184)	in the Soil Organic Matter Property Groups										Data units: %				
	SRSSRS1601	SRSSRS1602	SRSSRS1603	SRSSRS1604	SRSSRS1605						SRSSRS1605				
LZMPAC	3.97	1.00 0.06	4.87	1.00 0.12	4.77	1.00 0.06	2.30	1.00 0.10	0.70	1.00 0.00					
Grand Median		3.97		4.87		4.77		2.30		0.70					
Median Abs Dev															
Avg Within Lab SD		0.06		0.12		0.06		0.10		0.00					
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		

CaCO3 Content (SubTestCode 185)	in the Content Property Groups												Data units: Percent		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	5.40	0.50	0.70												
		1.00	0.10												
644GFL	4.48	0.04	0.92	3.17	0.32	2.12	0.37	0.00	2.14	0.92	2.10	1.94	0.57	1.54	2.00
		0.08	0.13		0.55	0.38		0.00	0.12		0.75	0.10		0.40	0.18
K8VMR6	2.03	-1.18	0.40	0.93	-0.98	0.32	0.20	-0.75	0.00	0.10	-0.19	0.00	0.10	-0.27	0.00
		-2.37	0.06		-1.69	0.06		-0.17	0.00		-0.07	0.00		-0.07	0.00
FPNYC9	4.40	0.00	0.70	3.77	0.67	0.64	0.40	0.12	0.00	0.17	0.00	1.08			
		0.00	0.10		1.15	0.12		0.03	0.00		0.00	0.06			
UNPG82	5.27	0.43	2.23												
		0.87	0.32												
YTJ7GT	3.34	-0.53		2.62	0.00		0.62	1.07		0.44	0.76		0.24	0.27	
		-1.06	0.00		0.00	0.00		0.25	0.00		0.27	0.00		0.07	0.00
DYXQH7	0.33	-2.03	0.18	0.21	-1.40	0.06	0.04	-1.43	0.64	0.05	-0.33	0.26	0.01	-0.62	
		-4.07	0.03		-2.41	0.01		-0.33	0.04		-0.12	0.01		-0.16	0.00
Grand Median		4.40			2.62			0.37			0.17			0.17	
Median Abs Dev		1.00			1.15			0.17			0.12			0.12	
Avg Within Lab SD		0.14			0.18			0.05			0.05			0.09	
Labs Included		7			5			5			5			4	
Labs Reporting		7			5			5			5			4	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 186) in the Other 1 Property Groups															Data units: cmol/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	23.2	0.4	0.2	23.8	0.2	0.1	10.9	0.0	0.2	12.5	0.1	0.6	1.6	-0.8	0.0
		1.3	0.2		0.6	0.1		0.0	0.1		0.3	0.2		-0.5	0.0
9JP2MJ	17.8	-1.3	1.8	19.2	-1.2	0.6	10.0	-0.4	0.9	10.4	-0.7	2.0	2.1	0.0	1.6
		-4.1	1.6		-4.0	0.8		-0.9	0.2		-1.9	0.6		0.0	0.2
PFR9KY	22.2	0.1	1.9	23.4	0.1	2.5	13.9	1.2	2.4	12.3	0.0	1.0	2.4	0.5	1.5
		0.2	1.6		0.3	3.8		2.9	0.6		0.0	0.3		0.3	0.2
LZMPAC	18.9	-1.0		19.5	-1.2		9.6	-0.5		10.4	-0.7		1.6	-0.8	
		-3.1	0.0		-3.7	0.0		-1.3	0.0		-1.9	0.0		-0.5	0.0
YTJ7GT	24.4	0.8		26.8	1.1		15.2	1.7		14.2	0.7		2.3	0.2	
		2.5	0.0		3.6	0.0		4.3	0.0		1.9	0.0		0.2	0.0
C8H8XB	21.9	0.0	0.3	23.2	0.0	0.6	11.3	0.1	0.4	16.8	1.7	1.1	2.7	0.9	1.1
		0.0	0.3		0.0	0.9		0.4	0.1		4.6	0.4		0.6	0.2
XYFCWR	18.5	-1.1	0.4	20.3	-0.9	0.1	9.0	-0.8	0.2	10.4	-0.7	0.7	1.2	-1.5	1.0
		-3.4	0.3		-2.9	0.2		-1.9	0.1		-1.9	0.2		-1.0	0.1
Grand Median		21.9		23.2			10.9			12.3			2.13		
Median Abs Dev		2.5		2.9			1.3			1.9			0.53		
Avg Within Lab SD		0.9		1.5			0.3			0.3			0.14		
Labs Included		7		7			7			7			7		
Labs Reporting		7		7			7			7			7		



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

CEC - Estimation (SubTestCode 187)	in the Other 1 Property Groups															Data units: cmol/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
GBLMGA	32.7	0.6	1.7	23.5	0.4	0.2	13.2	1.4	0.5	19.2	2.6	0.7	1.2	-0.2	0.0	
		4.1	2.4		1.3	0.3		4.6	0.3		7.4	0.3		-0.3	0.0	
644GFL	26.4	-0.3	0.4	23.5	0.4	0.4	6.8	-0.5	0.1	10.2	-0.5	0.6	1.1	-0.3	0.6	
		-2.2	0.5		1.4	0.6		-1.8	0.0		-1.5	0.3		-0.4	0.1	
2GK3BP	27.5	-0.2	0.2	22.2	0.0	0.2	11.7	0.9	1.0	13.3	0.5	1.7	4.0	1.6	0.2	
		-1.0	0.3		0.0	0.3		3.1	0.5		1.5	0.8		2.5	0.0	
QECBRZ	22.0	-1.0	0.5	19.9	-0.7	0.4	5.1	-1.0	0.1	8.9	-1.0	0.0	0.7	-0.5	0.0	
		-6.5	0.7		-2.2	0.6		-3.5	0.1		-2.9	0.0		-0.8	0.0	
6VACMK	20.5	-1.2	0.9	16.8	-1.7	0.5	9.6	0.3	1.4	12.2	0.2	0.4	3.4	1.2	2.8	
		-8.0	1.2		-5.3	0.7		0.9	0.6		0.4	0.2		1.9	0.5	
GAPFPH	29.6	0.2	0.1	23.0	0.3	0.3	8.6	0.0	0.3	9.0	-1.0	0.6	2.0	0.3	0.4	
		1.0	0.1		0.9	0.4		0.0	0.1		-2.8	0.3		0.5	0.1	
XHNEVW	30.2	0.3	0.2	21.4	-0.3	0.2	13.6	1.5	0.2	12.6	0.3	0.1				
		1.7	0.3		-0.8	0.3		5.0	0.1		0.9	0.1				
49YVGP	31.4	0.4	0.3	21.2	-0.3	0.3	7.6	-0.3	0.5	11.4	-0.1	0.3	4.1	1.7	0.3	
		2.9	0.4		-1.0	0.5		-1.0	0.2		-0.4	0.2		2.6	0.1	
LVRZT6	42.9	2.2	1.9	27.4	1.6	3.1	8.6	0.0	2.6	12.2	0.1	1.2	2.5	0.7	1.4	
		14.4	2.6		5.2	4.2		0.0	1.2		0.4	0.6		1.0	0.3	
MZGWVZ	25.2	-0.5	0.4	19.3	-0.9	0.2	5.8	-0.8	0.2	9.3	-0.9	0.1	0.6	-0.6	0.3	
		-3.3	0.6		-2.8	0.2		-2.8	0.1		-2.5	0.1		-0.9	0.1	
7CWYLG	33.1	0.7	1.9	27.3	1.6	0.6	9.6	0.3	0.9	12.8	0.4	2.2	0.9	-0.4	0.0	
		4.6	2.6		5.2	0.8		0.9	0.4		1.1	1.0		-0.6	0.0	
DYXQH7	25.0	-0.5	0.8	22.2	0.0	1.0	5.0	-1.1	0.8	10.3	-0.5	1.1	1.5	0.0	0.4	
		-3.5	1.1		0.0	1.4		-3.7	0.4		-1.5	0.5		0.0	0.1	
Grand Median		28.5		22.2			8.64			11.8			1.50			
Median Abs Dev		3.4		1.3			2.32			1.5			0.80			
Avg Within Lab SD		1.4		1.3			0.47			0.5			0.17			
Labs Included		12		12			12			12			11			
Labs Reporting		12		12			12			12			11			



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

Soil Density (Scoop) (SubTestCode 188)	in the Other 1 Property Groups												Data units: g/cc		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	1.39	0.93	0.71	1.33	0.84	0.14	1.27	0.40	0.28	1.39	0.83	0.50	1.71	0.22	0.40
		0.10	0.02		0.12	0.01		0.06	0.01		0.10	0.02		0.04	0.02
644GFL	1.34	0.51	0.54	1.27	0.44	0.16	1.25	0.28	0.16	1.35	0.52	0.20	1.79	0.72	0.07
		0.06	0.01		0.06	0.01		0.04	0.01		0.06	0.01		0.12	0.00
JBF2VE	1.29	0.00	0.68	1.21	0.00	0.09	1.21	0.00	0.08	1.33	0.33	0.09	1.76	0.53	0.10
		0.00	0.02		0.00	0.00		0.00	0.00		0.04	0.00		0.09	0.00
BHL3GF	1.27	-0.17	1.32	1.19	-0.14	1.23	1.14	-0.48	0.99	1.28	-0.06	1.44	1.55	-0.73	2.07
		-0.02	0.03		-0.02	0.05		-0.07	0.04		-0.01	0.05		-0.12	0.09
7CWYLG	1.40	0.99	0.63	1.27	0.42	1.08	1.30	0.66	0.51	1.29	0.00	0.76	1.67	0.00	0.58
		0.11	0.02		0.06	0.05		0.09	0.02		0.00	0.03		0.00	0.03
DM76CB	1.27	-0.11	1.19	1.07	-0.94	1.87	1.07	-1.00	1.13	1.19	-0.83	1.52	1.64	-0.20	0.46
		-0.01	0.03		-0.13	0.08		-0.14	0.05		-0.10	0.05		-0.03	0.02
DYXQH7	1.06	-2.01	1.48	0.93	-1.94	0.87	0.94	-1.90	2.09	1.03	-2.16	1.32	1.29	-2.32	1.41
		-0.23	0.04		-0.28	0.04		-0.27	0.09		-0.26	0.05		-0.38	0.06
Grand Median		1.29		1.21			1.21			1.29			1.67		
Median Abs Dev		0.06		0.06			0.07			0.06			0.09		
Avg Within Lab SD		0.02		0.04			0.04			0.03			0.04		
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		

Sand 2000 - 50 um (SubTestCode 189)	in the Particle Size Analysis Property Groups												Data units: Percent		
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
YAA32W	40.4	-0.2	0.7	25.0	-0.6	1.1	57.5	-0.4		47.5	-0.6	1.4	81.3	-0.6	1.6
		-1.1	0.7		-3.7	1.3		-2.1	0.0		-2.5	1.3		-2.6	1.3
AAUKBK	43.0	0.2		29.0	0.1		60.0	0.1		51.5	0.4		87.0	0.8	
		1.5	0.0		0.3	0.0		0.4	0.0		1.5	0.0		3.2	0.0
83L8FJ	41.5	0.0	0.8	29.7	0.2	0.5	55.7	-0.7	0.6	51.5	0.4	1.0	83.5	-0.1	1.1
		0.0	0.9		1.0	0.6		-3.9	0.6		1.5	0.9		-0.3	0.9
644GFL	44.0	0.3	1.8	30.0	0.2	0.9	61.0	0.3	1.0	51.7	0.4	1.7	86.0	0.5	1.3
		2.5	2.0		1.3	1.0		1.4	1.0		1.7	1.5		2.2	1.0
2GK3BP	45.1	0.5	0.9	30.4	0.3	0.6	58.4	-0.2	0.7	50.4	0.1	0.8	80.4	-0.9	0.9
		3.5	1.0		1.7	0.7		-1.2	0.7		0.4	0.7		-3.4	0.7
XWTMKR	47.5	0.8	0.8	30.0	0.2	0.9	60.5	0.2	0.2	49.2	-0.2	1.2	86.5	0.7	0.3
		5.9	0.8		1.3	1.1		1.0	0.2		-0.8	1.1		2.7	0.2
FPNYC9	39.3	-0.3	1.4	25.3	-0.6	1.0	57.3	-0.4	1.2	46.7	-0.8	1.3	83.3	-0.1	1.5
		-2.2	1.5		-3.4	1.2		-2.2	1.2		-3.3	1.2		-0.5	1.2
FKH3T9	41.3	0.0	1.1	32.0	0.6	1.7	57.7	-0.3	1.2	47.7	-0.6	1.3	85.0	0.3	
		-0.2	1.2		3.3	2.0		-1.9	1.2		-2.3	1.2		1.2	0.0
QECBRZ	35.6	-0.8	0.3	24.4	-0.7	0.9	56.4	-0.6	1.3	45.7	-1.0	0.1	79.1	-1.2	1.4
		-5.9	0.3		-4.3	1.0		-3.2	1.2		-4.3	0.1		-4.8	1.1
6VACMK	41.0	-0.1		41.0	2.1		71.0	2.0		51.0	0.2		81.0	-0.7	
		-0.5	0.0		12.3	0.0		11.4	0.0		1.0	0.0		-2.8	0.0
YKBCLZ	43.4	0.3	0.0	32.9	0.7	0.0	64.9	0.9	0.0	46.2	-0.9	0.0	78.4	-1.4	0.0
		1.8	0.0		4.2	0.0		5.3	0.0		-3.8	0.0		-5.5	0.0
T9EFX6	81.0	5.4		24.0	-0.8		67.0	1.3		50.0	0.0		86.0	0.5	
		39.5	0.0		-4.7	0.0		7.4	0.0		0.0	0.0		2.2	0.0
BMDAYP	46.0	0.6		28.0	-0.1		62.0	0.4		50.0	0.0		86.0	0.5	
		4.5	0.0		-0.7	0.0		2.4	0.0		0.0	0.0		2.2	0.0
GAPFPH	37.9	-0.5		23.9	-0.8		55.9	-0.7		47.8	-0.5		83.8	0.0	
		-3.6	0.0		-4.8	0.0		-3.6	0.0		-2.2	0.0		0.0	0.0
UNPG82	41.6	0.0	0.8	29.0	0.0	1.2	62.1	0.5	3.8	48.9	-0.3	2.5	85.2	0.4	3.1
		0.0	0.9		0.3	1.4		2.6	3.6		-1.1	2.3		1.4	2.5
JBF2VE	40.3	-0.2	1.1	22.3	-1.1	1.0	61.0	0.3		49.0	-0.2		85.0	0.3	
		-1.2	1.2		-6.4	1.2		1.4	0.0		-1.0	0.0		1.2	0.0
6B3QZT	64.2	3.1	2.6	43.5	2.5	1.6	68.8	1.7	0.8	62.4	3.0	1.5	88.5	1.2	0.5
		22.7	2.8		14.8	1.9		9.3	0.8		12.4	1.3		4.7	0.4
AM2DUK	44.7	0.4	1.1	30.0	0.2	1.7	64.7	0.9	1.2	50.7	0.2	1.3	86.7	0.7	1.5
		3.1	1.2		1.3	2.0		5.1	1.2		0.7	1.2		2.8	1.2
98UYZG	30.5	-1.5	1.9	15.5	-2.2	0.6	50.5	-1.6	0.7	39.0	-2.6	1.6	76.0	-2.0	
		-11.0	2.1		-13.2	0.7		-9.1	0.7		-11.0	1.4		-7.8	0.0
RCXBZX	41.7	0.0	1.1	28.3	-0.1	2.0	63.7	0.7	1.2	50.0	0.0	1.1	82.7	-0.3	2.6
		0.1	1.2		-0.4	2.3		4.1	1.2		0.0	1.0		-1.2	2.1



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
HUC6ZA	40.2	-0.2	0.2	24.7	-0.7	0.1	60.3	0.1	0.3	52.1	0.5	0.1	86.2	0.6	0.3
		-1.3	0.2		-4.0	0.1		0.8	0.3		2.1	0.1		2.4	0.2
YTJ7GT	44.4	0.4		28.4	0.0		63.3	0.7		52.6	0.6		86.5	0.7	
		2.9	0.0		-0.3	0.0		3.7	0.0		2.6	0.0		2.7	0.0
YPJVKT	40.0	-0.2		26.0	-0.5		57.3	-0.4	1.2	48.7	-0.3	1.3	82.0	-0.5	
		-1.5	0.0		-2.7	0.0		-2.2	1.2		-1.3	1.2		-1.8	0.0
BHL3GF	41.3	0.0	1.6	27.5	-0.2	0.7	59.1	-0.1	0.7	50.7	0.2	0.3	83.8	0.0	0.7
		-0.2	1.7		-1.2	0.8		-0.4	0.6		0.7	0.3		0.0	0.5
4KCY3M	38.0	-0.5		24.0	-0.8		58.0	-0.3		46.0	-1.0		82.0	-0.5	
		-3.5	0.0		-4.7	0.0		-1.6	0.0		-4.0	0.0		-1.8	0.0
MZGWVZ	80.0	5.3		70.0	7.0		60.0	0.1		50.0	0.0		40.0	-11.0	
		38.5	0.0		41.3	0.0		0.4	0.0		0.0	0.0		-43.8	0.0
ZZZ3WM	61.2	2.7		67.2	6.6		30.8	-5.1		48.8	-0.3		44.8	-9.8	
		19.7	0.0		38.5	0.0		-28.8	0.0		-1.2	0.0		-39.0	0.0
DM76CB	42.6	0.1		30.0	0.2		58.6	-0.2		51.3	0.3		84.1	0.1	
		1.1	0.0		1.3	0.0		-1.0	0.0		1.3	0.0		0.3	0.0
PHEWWY	46.0	0.6		35.0	1.1		64.0	0.8		54.0	1.0		87.0	0.8	
		4.5	0.0		6.3	0.0		4.4	0.0		4.0	0.0		3.2	0.0
X3EMTR	46.0	0.6	0.9	29.4	0.1	0.9	69.2	1.7	0.5	54.7	1.1	1.7	89.7	1.5	0.3
		4.5	0.9		0.7	1.1		9.6	0.5		4.7	1.6		5.8	0.2
XYFCWR	26.0	-2.1		15.4	-2.3	0.0	50.9	-1.5	0.0	38.4	-2.8	0.0	74.1	-2.4	0.0
		-15.5	0.0		-13.3	0.0		-8.7	0.0		-11.6	0.0		-9.7	0.0
DYXQH7	39.8	-0.2	1.8	29.7	0.2	2.9	57.7	-0.3	0.9	51.2	0.3	0.5	84.2	0.1	0.5
		-1.7	2.0		1.0	3.3		-1.8	0.9		1.2	0.5		0.3	0.4
Grand Median		41.5			28.7			59.6			50.0			83.8	
Median Abs Dev		2.3			3.0			2.3			1.4			2.3	
Avg Within Lab SD		1.1			1.2			1.0			0.9			0.8	
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		

Silt 50 - 2 um (SubTestCode 190)	in the Particle Size Analysis Property Groups															Data units: Percent
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605			
YAA32W	31.7	0.3	2.3	47.1	0.4	1.8	31.7	0.1	1.7	21.3	0.5	2.3	13.3	0.6	2.5	
		1.7	2.6		3.2	1.9		0.7	1.4		2.8	2.5		2.3	1.9	
AAUKBK	37.0	1.1	0.0	47.0	0.4	0.0	36.0	0.8	0.0	18.5	0.0	0.0	11.0	0.0	0.0	
		7.0	0.9		3.1	0.0		5.0	0.7		0.0	0.5		0.6	0.8	
83L8FJ	33.0	3.0	1.0	43.0	-0.9	0.0	37.3	6.3	0.6	17.3	-1.2	0.6	13.3	2.3	0.6	
		-0.5	1.8		-0.6	0.9		-0.2	1.1		-0.8	2.4		-1.0	1.3	
644GFL	27.0	-3.0	2.0	39.0	-4.9	1.0	30.0	-1.0	1.0	14.3	-4.2	2.5	7.0	-4.0	1.0	
		0.1	0.6		0.2	1.9		0.7	0.5		0.6	0.4		1.1	0.6	
2GK3BP	30.8	0.8	0.7	45.5	1.5	2.1	35.5	4.5	0.5	21.5	3.0	0.5	15.5	4.5	0.5	
		-1.0	0.8		-0.6	0.4		-0.3	1.0		-0.2	1.0		-0.2	1.4	
XWTMKR	23.5	-6.5	0.8	38.8	-5.1	0.4	29.5	-1.5	0.8	17.6	-0.9	1.1	10.4	-0.6	1.1	
		0.6	0.0		0.5	1.4		0.8	1.1		1.0	0.5		0.4	2.7	
FPNYC9	34.0	4.0	0.0	47.7	3.7	1.5	36.0	5.0	1.0	23.7	5.2	0.6	12.7	1.7	2.1	
		-0.4	0.5		-0.7	1.1		0.4	1.3		-0.4	1.1		-0.9	1.5	
FKH3T9	27.3	-2.7	0.6	38.3	-5.6	1.2	33.7	2.7	1.2	16.3	-2.2	1.2	7.7	-3.3	1.2	
		0.5	0.3		0.4	0.8		0.2	1.1		0.1	0.2		0.3	1.4	
QECBRZ	33.6	3.6	0.3	46.9	3.0	0.8	32.2	1.2	0.9	19.2	0.7	0.2	12.3	1.3	1.1	
		1.8	0.0		-0.2	0.0		-1.2	0.0		0.7	0.0		0.3	0.0	
6VACMK	42.0	12.0	0.0	42.0	-1.9	0.0	24.0	-7.0	0.0	22.0	3.5	0.0	12.0	1.0	0.0	
		-0.5	0.0		-1.8	0.0		-2.0	0.0		-1.0	0.0		1.1	0.0	
YKBCLZ	26.6	-3.4	0.0	29.0	-14.9	0.0	18.9	-12.1	0.0	13.4	-5.1	0.0	15.3	4.3	0.0	
		-3.6	0.0		-1.0	0.0		-3.7	0.0		0.7	0.0		-2.3	0.0	
T9EFX6	6.0	-24.0	0.0	36.0	-7.9	0.0	9.0	-22.0	0.0	22.0	3.5	0.0	2.0	-9.0	0.0	
		-0.3	0.0		1.5	0.0		0.5	0.0		2.3	0.0		-0.8	0.0	
BMDAYP	28.0	-2.0	0.0	56.0	12.1	0.0	34.0	3.0	0.0	30.0	11.5	0.0	8.0	-3.0	0.0	
		0.0	0.0		0.0	0.0		0.5	0.0		-0.1	0.0		-0.2	0.0	
GAPFPH	30.0	0.0	0.0	43.9	0.0	0.0	33.9	2.9	0.0	18.0	-0.5	0.0	10.1	-0.9	0.0	
		-0.4	0.7		-0.4	1.8		-0.6	2.7		-0.6	1.5		-0.5	2.0	
UNPG82	27.1	-2.9	0.8	40.3	-3.6	1.9	27.1	-3.9	2.4	15.5	-3.0	1.6	9.0	-2.0	1.6	
		-0.1	1.0		0.5	1.1		0.0	0.0		0.0	1.1		0.0	0.0	
JBF2VE	29.7	-0.3	1.2	47.7	3.7	1.2	31.0	0.0	0.0	18.3	-0.2	1.2	11.0	0.0	0.0	
		0.0	2.2		0.4	1.5		-0.5	1.4		0.4	2.0		-0.5	1.1	
6B3QZT	30.2	0.2	2.4	47.0	3.1	1.6	27.8	-3.2	1.2	20.3	1.8	2.1	8.9	-2.1	0.9	
		0.3	1.8		0.3	1.9		-0.1	1.3		0.6	1.1		0.5	0.0	
AM2DUK	32.0	2.0	2.0	46.0	2.1	2.0	30.3	-0.7	1.2	21.7	3.2	1.2	13.0	2.0	0.0	
		0.0	1.3		-0.1	0.0		0.7	0.8		-0.2	2.0		-0.3	0.0	
98UYZG	30.0	0.0	1.4	43.0	-0.9	0.0	35.5	4.5	0.7	17.5	-1.0	2.1	10.0	-1.0	0.0	
		-0.7	0.5		-0.8	0.5		-0.8	1.1		-1.1	0.0		-0.5	0.0	
RCXBZX	25.3	-4.7	0.6	37.3	-6.6	0.6	26.0	-5.0	1.0	13.0	-5.5	0.0	9.0	-2.0	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
HUC6ZA	34.8	0.7	0.2	48.9	0.6	0.1	33.0	0.3	0.5	19.3	0.2	0.3	10.2	-0.2	0.3
		4.8	0.2		5.0	0.1		2.0	0.4		0.8	0.3		-0.8	0.2
YTJ7GT	32.8	0.4		50.5	0.8		34.1	0.5		23.0	0.9		11.4	0.1	
		2.8	0.0		6.6	0.0		3.1	0.0		4.5	0.0		0.4	0.0
YPJVKT	33.3	0.5	1.0	48.0	0.5		36.0	0.8		20.0	0.3		14.0	0.8	
		3.3	1.2		4.1	0.0		5.0	0.0		1.5	0.0		3.0	0.0
BHL3GF	34.0	0.6	2.4	47.1	0.4	1.9	35.1	0.7	2.0	21.9	0.7	1.0	12.9	0.5	1.5
		4.0	2.7		3.1	2.0		4.1	1.7		3.4	1.0		1.9	1.1
4KCY3M	35.0	0.8		49.0	0.6		31.0	0.0		21.0	0.5		13.0	0.5	
		5.0	0.0		5.1	0.0		0.0	0.0		2.5	0.0		2.0	0.0
MZGWVZ	15.0	-2.3		20.0	-2.9		30.0	-0.2		30.0	2.3		20.0	2.3	
		-15.0	0.0		-23.9	0.0		-1.0	0.0		11.5	0.0		9.0	0.0
ZZZ3WM	10.0	-3.0		8.0	-4.4		60.4	4.9		20.4	0.4		46.4	9.1	
		-20.0	0.0		-35.9	0.0		29.4	0.0		1.9	0.0		35.4	0.0
DM76CB	29.9	0.0		40.6	-0.4		36.4	0.9		16.5	-0.4		11.3	0.1	
		-0.1	0.0		-3.3	0.0		5.4	0.0		-2.0	0.0		0.3	0.0
PHEWWY	29.0	-0.2		39.0	-0.6		31.0	0.0		13.0	-1.1		13.0	0.5	
		-1.0	0.0		-4.9	0.0		0.0	0.0		-5.5	0.0		2.0	0.0
X3EMTR	30.0	0.0	0.2	48.1	0.5	1.1	25.5	-0.9	1.2	18.3	0.0	1.7	7.9	-0.8	0.2
		0.0	0.2		4.1	1.2		-5.5	1.1		-0.2	1.8		-3.2	0.1
XYFCWR	33.1	0.5	0.0	44.0	0.0		31.0	0.0		14.3	-0.8	0.0	6.4	-1.2	0.0
		3.1	0.0		0.1	0.0		0.0	0.0		-4.2	0.0		-4.6	0.0
DYXQH7	15.3	-2.2	1.2	20.6	-2.8	1.9	23.3	-1.3	1.6	7.0	-2.3	0.8	4.1	-1.8	0.6
		-14.7	1.4		-23.3	2.0		-7.7	1.4		-11.5	0.9		-6.9	0.5
Grand Median		30.0			43.9			31.0			18.5			11.0	
Median Abs Dev		3.0			3.7			3.2			2.8			2.0	
Avg Within Lab SD		1.1			1.1			0.9			1.1			0.8	
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		

Clay 2 - 0 um (SubTestCode 191)				in the Particle Size Analysis Property Groups												Data units: Percent	
SRSSRS1601				SRSSRS1602				SRSSRS1603				SRSSRS1604				SRSSRS1605	
YAA32W	27.9	0.1	2.5	27.9	0.1	0.7	10.8	0.6	2.1	31.3	0.0	1.8	5.4	0.0	1.1		
		1.1	1.9		0.8	0.7		3.0	1.4		0.0	1.3		0.0	0.7		
AAUKBK	20.0	-0.8	0.0	24.0	-0.3	0.0	4.0	-0.7	0.0	30.0	-0.2	0.0	2.0	-0.7	0.0		
		-6.8	1.0		-3.1	0.7		-3.8	0.4		-1.3	0.4		-3.4	0.0		
83L8FJ	25.2	-0.2	0.8	27.2	0.0	0.8	6.8	-0.2	0.3	30.8	-0.1	0.3	3.0	-0.5	0.0		
		-1.7	0.8		0.1	0.8		-1.0	0.3		-0.5	0.3		-2.4	0.0		
644GFL	29.0	0.3	0.0	31.0	0.4	0.0	9.0	0.2	0.0	34.0	0.4	1.4	7.0	0.3	0.0		
		2.2	0.8		3.9	2.4		1.2	0.9		2.7	1.0		1.6	0.0		
2GK3BP	24.1	-0.3	0.6	24.1	-0.3	2.6	6.1	-0.3	0.6	28.1	-0.5	0.9	4.1	-0.3	0.9		
		-2.7	1.1		-3.0	1.0		-1.7	1.0		-3.2	0.6		-1.3	0.6		
XWTMKR	29.1	0.3	0.8	31.2	0.5	1.1	10.0	0.4	0.7	33.2	0.3	1.5	3.1	-0.5	1.8		
		2.2	0.9		4.1	0.9		2.2	0.8		1.9	1.1		-2.4	1.2		
FPNYC9	26.7	0.0	1.5	27.0	0.0	1.0	6.7	-0.2	0.6	29.7	-0.2	0.8	4.0	-0.3	1.5		
		-0.2	0.7		-0.1	1.1		-1.2	1.6		-1.6	0.6		-1.4	1.0		
FKH3T9	31.3	0.5	0.6	29.7	0.3	1.2	7.7	0.0	1.2	35.0	0.5	0.0	6.3	0.2	1.8		
		4.5	0.8		2.6	0.2		-0.2	1.2		3.7	0.4		0.9	1.2		
QECBRZ	30.8	0.5	0.6	28.7	0.2	0.2	11.4	0.7	1.2	35.1	0.5	0.4	8.7	0.6	0.6		
		4.0	0.6		1.6	0.2		3.6	0.9		3.8	0.3		3.3	0.4		
6VACMK	17.0	-1.2	0.0	17.0	-1.1	0.0	5.0	-0.5	0.0	27.0	-0.6	0.0	7.0	0.3	0.0		
		-9.8	0.0		-10.1	0.0		-2.8	0.0		-4.3	0.0		1.6	0.0		
YKBCLZ	30.0	0.4	0.0	38.1	1.2	0.0	16.2	1.6	0.0	40.4	1.3	0.0	6.3	0.2	0.0		
		3.2	0.0		11.0	0.0		8.4	0.0		9.1	0.0		0.9	0.0		
T9EFX6	13.0	-1.7	0.0	40.0	1.5	0.0	24.0	3.0	0.0	28.0	-0.5	0.0	12.0	1.3	0.0		
		-13.8	0.0		12.9	0.0		16.2	0.0		-3.3	0.0		6.6	0.0		
BMDAYP	26.0	-0.1	0.0	16.0	-1.3	0.0	4.0	-0.7	0.0	20.0	-1.6	0.0	6.0	0.1	0.0		
		-0.8	0.0		-11.1	0.0		-3.8	0.0		-11.3	0.0		0.6	0.0		
GAPFPH	32.1	0.6	0.0	32.2	0.6	0.0	10.2	0.4	0.0	34.2	0.4	0.0	6.1	0.1	0.0		
		5.2	1.3		5.1	1.1		2.3	1.8		2.9	2.0		0.7	1.9		
UNPG82	31.4	0.5	1.0	30.7	0.4	1.2	10.7	0.5	1.3	35.6	0.6	1.4	5.7	0.1	1.3		
		4.5	0.3		3.6	0.3		2.9	0.0		4.3	1.6		0.3	1.3		
JBF2VE	30.0	0.4	0.0	30.0	0.3	0.0	8.0	0.0	0.0	32.7	0.2	1.2	4.0	-0.3	0.0		
		3.2	0.5		2.9	0.3		0.2	0.8		1.4	1.2		-1.4	0.8		
6B3QZT	5.6	-2.6	0.4	9.4	-2.0	0.3	3.3	-0.8	0.8	17.3	-2.0	0.8	2.5	-0.6	0.5		
		-21.3	1.5		-17.6	0.3		-4.5	0.5		-14.0	1.6		-2.9	0.3		
AM2DUK	23.3	-0.4	1.2	24.0	-0.3	0.0	4.7	-0.6	0.2	27.7	-0.5	1.2	1.3	-0.8	0.2		
		-3.5	0.9		-3.1	0.0		-3.1	0.2		-3.6	1.0		-4.2	0.2		
98UYZG	39.5	1.5	0.7	42.0	1.7	0.0	14.0	1.1	0.0	43.5	1.7	1.0	14.0	1.7	0.0		
		12.7	0.7		14.9	0.0		6.2	0.0		12.2	0.7		8.6	0.0		
RCXBZX	32.7	0.7	2.0	33.7	0.7	2.1	10.0	0.4	1.4	36.7	0.8	2.2	7.7	0.4	3.5		
		5.8	1.5		6.6	2.3		2.2	1.0		5.4	1.5		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
HUC6ZA	25.0	-0.2	0.3	26.3	-0.1	0.1	6.7	-0.2	0.4	28.6	-0.4	0.5	3.6	-0.4	0.6
YTJ7GT	22.8	-1.8	0.2	21.2	-0.8	0.1	2.6	-1.2	0.3	24.4	-2.7	0.4	2.1	-1.9	0.4
YPJVKT	26.7	-0.5	0.0	26.0	-0.7	0.0	6.7	-1.0	0.0	31.3	-1.0	0.0	4.0	-0.7	0.0
BHL3GF	24.7	-4.0	1.5	25.4	-5.9	2.5	5.7	-0.2	1.6	27.4	-6.9	1.6	3.3	-0.3	1.4
4KCY3M	27.0	-0.2	1.2	27.0	-1.1	2.8	11.0	-1.2	1.2	33.0	0.0	1.2	5.0	-1.4	0.0
MZGWVZ	5.0	-0.3	1.3	10.0	-0.2	0.0	10.0	-0.4	2.4	20.0	-0.6	1.0	30.0	-0.4	0.9
ZZZ3WM	28.8	-2.2	1.0	24.8	-1.7	0.0	8.8	-2.1	1.7	30.8	-3.9	0.7	6.8	-2.2	0.0
DM76CB	27.5	0.0	0.0	29.4	0.0	0.0	5.0	0.6	0.0	32.3	0.2	0.0	4.6	-0.1	0.0
PHEWWY	25.0	0.2	0.0	26.0	-0.1	0.0	5.0	3.2	0.0	33.0	1.7	0.0	2.5	-0.4	0.0
X3EMTR	24.0	-2.6	0.0	22.5	-1.9	0.0	5.3	0.4	0.0	27.0	-1.6	0.0	19.5	4.9	0.0
XYFCWR	40.9	-21.8	0.0	40.6	-17.1	0.0	18.1	2.2	0.0	47.3	-11.3	0.0	11.7	24.6	0.0
DYXQH7	44.8	0.2	0.0	49.7	-0.3	0.0	18.9	0.2	0.0	41.8	-0.1	0.0		0.3	0.0
		2.0	0.0		-2.3	0.0		1.0	0.0		-0.5	0.0		1.4	0.0
		0.1	0.0		0.3	0.0		-0.5	0.0		0.1	0.0		-0.2	0.0
		0.7	0.0		2.3	0.0		-2.8	0.0		1.0	0.0		-0.8	0.0
		-0.2	0.0		-0.1	0.0		-0.5	0.0		0.2	0.0			
		-1.8	0.0		-1.1	0.0		-2.8	0.0		1.7	0.0			
		-0.3	1.0		-0.5	0.4		-0.5	1.9		-0.6	0.5		-0.6	0.3
		-2.8	0.7		-4.6	0.5		-2.5	1.4		-4.3	0.4		-2.9	0.2
		1.7	0.0		1.5	0.0		1.9	0.0		2.3	0.0		2.8	0.0
		14.1	0.0		13.5	0.0		10.3	0.0		16.0	0.0		14.1	0.0
		2.2	2.1		2.6	3.1		2.1	1.7		1.5	1.6		1.2	0.8
		17.9	1.6		22.7	3.4		11.1	1.2		10.5	1.1		6.3	0.5
Grand Median		26.8		27.1		7.83		31.3		5.42					
Median Abs Dev		3.2		3.4		2.83		3.5		1.85					
Avg Within Lab SD		0.8		1.1		0.70		0.7		0.65					
Labs Included		32		32		32		32		31					
Labs Reporting		32		32		32		32		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		

Field Moisture Capacity (SubTestCode 192)	in the Moisture Property Groups										Data units: %					
SRSSRS1601	SRSSRS1602	SRSSRS1603	SRSSRS1604	SRSSRS1605												
LZMPAC	31.1	0.0	31.7	0.0	24.0	0.0	25.8	1.0	7.3	0.3						0.0
Grand Median	31.1		31.7		24.0		25.8		7.34							
Median Abs Dev																
Avg Within Lab SD	0.0		0.0		0.0		0.3		0.00							
Labs Included	1		1		1		1		1						1	
Labs Reporting	1		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		

Permanent Wilting Point (SubTestCode 193)	in the Moisture Property Groups								Data units: %	
SRSSRS1601	SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		SRSSRS1605	
LZMPAC	11.8	0.0	11.8	0.0	6.9	0.0	11.6	0.0	1.1	1.0 0.0
Grand Median	11.8		11.8		6.92		11.6		1.08	
Median Abs Dev										
Avg Within Lab SD	0.0		0.0		0.00		0.0		0.01	
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		

	Available Water Content (SubTestCode 194) in the Moisture Property Groups										Data units: %
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
LZMPAC	19.3	0.0	19.9	0.0	17.1	0.0	14.4	0.0	6.3	0.0	
Grand Median	19.3		19.9		17.1		14.4		6.3		6.26
Median Abs Dev											
Avg Within Lab SD	0.0		0.0		0.0		0.0		0.0		0.00
Labs Included	1		1		1		1		1		1
Labs Reporting	1		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		

Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups											Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
GZ63WD	523.0	1.3	730.3	1.4	1,419.3	1.2	244.7	0.9	219.3	1.2	
		25.5		51.1		30.0		3.5		10.7	
DYXQH7	416.3	0.5	515.6	0.3	1,021.3	0.8	160.9	1.1	130.0	0.8	
		10.7		9.6		21.0		3.9		7.0	
Grand Median		469.7		623.0		1,220.3		202.8		174.7	
Median Abs Dev											
Avg Within Lab SD		19.6		36.7		25.9		3.7		9.0	
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		

Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups															Data units: mg/kg
	SRSSRS1601			SRSSRS1602			SRSSRS1603			SRSSRS1604			SRSSRS1605		
AAUKBK	2.5	-0.4	0.0	3.4	-0.6	0.0	3.1	-0.6	0.0	2.4	-1.2	0.0	0.8	-0.7	0.2
		-19.2	0.1		-33.0	0.1		-15.3	0.1		-18.2	0.0		-1.5	0.1
83L8FJ	21.7	0.0	0.1	28.9	-0.1	0.1	18.3	0.0	0.1	20.6	0.0	0.2	2.5	0.1	1.2
		0.0	0.6		-7.5	0.4		0.0	0.4		0.0	1.0		0.2	0.3
K8VMR6	104.3	1.7	0.1	121.3	1.6	0.2	29.3	0.4	0.2	39.3	1.2	0.1	9.3	3.3	2.1
		82.7	1.2		84.9	1.5		11.0	0.6		18.7	0.6		7.0	0.6
6VACMK	7.8	-0.3		36.4	0.0		12.8	-0.2		10.7	-0.6		2.3	0.0	
		-13.9	0.0		0.0	0.0		-5.5	0.0		-10.0	0.0		0.0	0.0
XM44Y7	77.9	1.2	1.8	119.7	1.6	1.1	81.1	2.5	1.6	25.5	0.3	1.6	3.3	0.5	1.1
		56.2	18.0		83.3	7.6		62.7	5.9		4.9	6.6		1.0	0.3
LVRZT6	56.7	0.7	1.9	61.7	0.5	2.3	39.3	0.8	0.3	39.3	1.2	0.7	2.0	-0.1	
		35.0	19.3		25.3	15.4		21.0	1.2		18.7	3.1		-0.3	0.0
VNJNRP	5.5	-0.3	0.2	26.7	-0.2	0.8	13.5	-0.2	2.1	18.2	-0.2	2.0	2.3	0.0	0.0
		-16.2	2.3		-9.8	5.2		-4.8	8.1		-2.4	8.5		0.0	0.0
Grand Median		21.7		36.4			18.3			20.6			2.30		
Median Abs Dev		19.2		25.3			11.0			10.0			0.30		
Avg Within Lab SD		10.0		6.8			3.8			4.3			0.28		
Labs Included		7		7			7			7			7		
Labs Reporting		7		7			7			7			7		



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

Soil Nitrogen Mineralization Potential (SubTestCode 197)	in the Other 2 Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
AAUKBK	32.7	1.0	56.3	1.0	45.7	1.0	33.0	1.0	13.7	1.0	1.0
		1.5		3.5		2.1		1.0		0.6	
Grand Median		32.7		56.3		45.7		33.0		13.7	
Median Abs Dev											
Avg Within Lab SD		1.5		3.5		2.1		1.0		0.6	
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 198)	in the Other 2 Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
AAUKBK	2.37	0.14	7.00	0.22	9.27	0.42	33.23	0.04	4.50	0.56	
		0.06		0.10		0.15		0.06		0.10	
9JP2MJ	2.74	1.73	7.54	1.17	8.87	0.56	40.22	1.69	4.32	1.64	
		0.72		0.54		0.21		2.72		0.30	
C8H8XB	5.00	0.00	9.67	1.26	11.67	1.58	47.67	0.36	6.00	0.00	
				0.58		0.58		0.58			
Grand Median		2.74		7.54		9.27		40.2		4.50	
Median Abs Dev											
Avg Within Lab SD		0.42		0.46		0.36		1.6		0.18	
Labs Included		3		3		3		3		3	
Labs Reporting		3		3		3		3		3	



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

DTPA-sorbitol extractable Al (SubTestCode 199)	in the Other 2 Property Groups										Data units: mg/kg
	SRSSRS1601		SRSSRS1602		SRSSRS1603		SRSSRS1604		SRSSRS1605		
AAUKBK	0.10	0.00	0.47	0.34	44.30	0.96	4.33	0.80	26.47	0.04	
		0.00		0.06		0.96		0.25		0.12	
C8H8XB	0.51	1.41	2.17	1.37	53.67	1.04	4.50	1.17	38.80	1.41	
		0.46		0.24		1.05		0.37		3.76	
Grand Median		0.31		1.32		49.0		4.42		32.6	
Median Abs Dev											
Avg Within Lab SD		0.33		0.17		1.0		0.32		2.7	
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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Dry Matter (%) (SubTestCode 201)											Data units: Percent	
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	93.9	0.1	0.1	94.0	0.0	0.1	93.8	0.0	0.0	93.6	-0.1	0.1
		0.2	0.0		0.0	0.0		0.0	0.0		-0.2	0.0
AAUKBK	93.7	0.0	0.0	93.6	-0.2	0.0	93.1	-0.4	0.0	93.4	-0.2	0.0
		0.0	0.0		-0.4	0.0		-0.7	0.0		-0.4	0.0
83L8FJ	93.3	-0.4	1.0	93.8	-0.1	0.9	93.2	-0.3	1.1	91.5	-1.5	0.2
		-0.5	0.1		-0.2	0.2		-0.5	0.3		-2.2	0.1
BFZE6F	93.3	-0.4	0.1	93.3	-0.4	0.1	93.1	-0.4	0.1	93.4	-0.2	0.1
		-0.4	0.0		-0.7	0.0		-0.7	0.0		-0.4	0.0
33JQFQ	93.4	-0.3	0.1	93.9	-0.1	0.3	93.8	0.0	0.2	94.8	0.7	0.2
		-0.3	0.0		-0.1	0.1		0.1	0.1		1.1	0.1
XNBEWV	93.5	-0.2	0.4	93.8	-0.1	0.3	93.5	-0.2	0.4	93.3	-0.3	0.2
		-0.3	0.1		-0.2	0.1		-0.3	0.1		-0.4	0.1
F92H9C	92.8	-0.7	0.2	93.2	-0.4	0.1	93.4	-0.2	0.0	93.7	0.0	0.1
		-0.9	0.0		-0.8	0.0		-0.4	0.0		0.0	0.0
J42726	94.5	0.6	1.8	94.1	0.1	0.9	94.3	0.3	1.4	94.2	0.3	0.5
		0.7	0.3		0.1	0.2		0.5	0.4		0.4	0.2
GAPFPH	94.9	1.0	0.9	94.7	0.4	0.3	95.1	0.8	1.0	95.7	1.3	1.8
		1.2	0.1		0.7	0.1		1.3	0.3		1.9	0.5
T84DB7	93.7	0.0	0.7	86.6	-4.3	0.2	87.9	-3.4	0.1	93.5	-0.2	0.1
		0.0	0.1		-7.3	0.0		-5.9	0.0		-0.2	0.0
8CMGZN	93.3	-0.3	2.0	94.5	0.3	0.8	94.1	0.2	0.2	93.7	0.0	0.2
		-0.4	0.3		0.5	0.2		0.3	0.1		0.0	0.1
XHNEVW	93.7	0.0	0.1	93.8	-0.1	0.0	93.6	-0.1	0.4	94.0	0.2	0.4
		0.0	0.0		-0.2	0.0		-0.1	0.1		0.2	0.1
WYZRCU	94.5	0.6		94.2	0.1		94.1	0.2		95.0	0.8	0.4
		0.8	0.0		0.2	0.0		0.3	0.0		1.2	0.0
	94.5	0.6		94.2	0.1		94.1	0.2		95.0	0.8	0.4
		0.8	0.0		0.2	0.0		0.3	0.0		1.2	0.0
MZGWVZ	97.4	3.0	2.0	97.9	2.3	3.8	98.4	2.6	3.5	97.4	2.4	3.6
		3.6	0.3		4.0	0.7		4.6	1.0		3.7	1.1
ZZZ3WM	94.3	0.5	1.9	94.2	0.2	0.5	93.7	0.0	0.2	93.6	-0.1	0.3
		0.5	0.3		0.3	0.1		-0.1	0.1		-0.2	0.1
TRP93T	97.0	2.7	0.0	97.8	2.2	0.0	97.7	2.3	0.0	97.4	2.4	0.0
		3.3	0.0		3.8	0.0		3.9	0.0		3.6	0.0
Grand Median		93.7		94.0			93.8			93.7		
Median Abs Dev		0.5		0.3			0.4			0.4		
Avg Within Lab SD		0.1		0.2			0.3			0.3		
Labs Included		17		17			17			17		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

NO3 - N Cd Rd. (SubTestCode 202)												Data units: mg/kg
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	3,158.5	0.5	0.5	249.4	0.3	0.1	536.0	0.9	0.4	1,642.0	0.2	0.3
		248.4	102.2		32.9	2.0		88.4	14.2		302.3	88.2
GZ63WD	2,611.7	-0.6	0.0	284.0	0.7	1.2	528.3	0.8	0.9	1,241.3	-0.1	0.6
		-298.4	7.0		67.5	27.9		80.7	29.1		-98.3	176.0
CJTVUF	2,982.7	0.1	0.2	260.0	0.4	1.5	449.7	0.0	0.5	1,305.0	0.0	0.3
		72.6	48.5		43.5	35.6		2.0	17.8		-34.7	89.1
83L8FJ	2,811.7	-0.2	0.1	210.7	-0.1	0.1	482.7	0.4	0.1	1,346.0	0.0	0.0
		-98.4	14.6		-5.8	2.5		35.0	2.1		6.3	14.5
2GK3BP	2,473.3	-0.9	0.6	195.6	-0.2	0.5	424.8	-0.2	0.8	1,136.7	-0.1	0.2
		-436.7	125.8		-20.9	12.8		-22.9	25.9		-203.0	56.9
33JQFQ	3,400.3	1.0	0.6	380.3	1.7	2.0	563.3	1.2	0.7	1,569.3	0.1	0.2
		490.3	119.5		163.8	47.7		115.7	22.8		229.7	66.8
XNBEWV	2,608.0	-0.6	0.2	359.7	1.5	0.3	424.7	-0.2	0.9	1,263.7	0.0	0.1
		-302.0	45.2		143.2	8.1		-23.0	29.3		-76.0	36.2
9JP2MJ	2,479.7	-0.9	2.2	275.7	0.6	1.0	355.0	-1.0	0.4	1,128.7	-0.1	0.2
		-430.4	471.9		59.2	24.0		-92.7	12.8		-211.0	72.8
RMZ998	2,866.7	-0.1	1.7	207.0	-0.1	0.5	425.0	-0.2	0.2	111.3	-0.8	0.0
		-43.4	371.7		-9.5	13.1		-22.7	7.5		-1,228.3	4.9
LZMPAC	3,629.7	1.5	1.3	194.3	-0.2	0.2	422.7	-0.3	0.3	15,303.3	8.7	3.8
		719.6	283.0		-22.2	4.5		-25.0	10.1		13,963.7	1,142.0
BMDAYP	3,260.0	0.7	1.0	98.3	-1.2	0.1	249.3	-2.1	0.7	1,158.3	-0.1	0.3
		350.0	220.4		-118.2	2.9		-198.3	25.1		-181.3	87.6
T84DB7	2,880.1	-0.1	0.7	208.4	-0.1	1.2	477.3	0.3	0.1	1,382.4	0.0	0.1
		-30.0	150.6		-8.1	29.0		29.6	2.4		42.7	23.5
2WG8UU	4,251.5	2.7	1.9	547.4	3.4	2.1	685.3	2.5	3.4	1,805.7	0.3	0.9
		1,341.5	407.7		330.9	50.1		237.6	116.9		466.1	276.9
UNPG82	2,940.0	0.1	0.2	220.7	0.0	0.8	479.7	0.3	0.1	1,490.0	0.1	0.1
		30.0	45.8		4.2	19.6		32.0	4.0		150.3	40.0
AM2DUK	2,736.7	-0.4	0.4	212.3	0.0	0.4	445.7	0.0	0.3	1,383.3	0.0	0.1
		-173.4	90.7		-4.2	9.9		-2.0	8.6		43.7	32.1
ZZZ3WM	3,143.3	0.5	0.2	200.0	-0.2	0.3	430.7	-0.2	0.5	1,333.3	0.0	0.4
		233.3	49.3		-16.5	7.0		-17.0	17.6		-6.3	125.8
Grand Median		2,910.0			216.5			447.7			1,339.7	
Median Abs Dev		273.4			27.6			30.8			165.8	
Avg Within Lab SD		214.5			24.0			34.0			303.0	
Labs Included		16			16			16			16	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

NO3 - N ISE (SubTestCode 203)	Data units: mg/kg											
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	3,122.3	0.1	0.4	260.8	-0.6	0.2	974.2	0.1	0.1	1,552.8	-0.4	0.0
		17.8	46.2		-50.5	1.9		27.1	6.2		-71.2	0.0
BFZE6F	3,496.6	1.8	0.4	419.8	1.2	1.2	1,112.5	0.8	0.1	1,671.3	0.3	0.4
		392.1	47.6		108.5	13.6		165.4	4.8		47.3	31.2
PFR9KY	3,446.1	1.6	2.2	374.7	0.7	1.6	1,149.9	0.9	2.2	1,769.9	0.8	2.2
		341.6	263.8		63.4	18.6		202.8	127.7		146.0	176.7
QECBRZ	3,086.7	-0.1	0.7	289.3	-0.3	0.9	920.0	-0.1	0.6	1,576.7	-0.3	0.3
		-17.8	77.7		-22.0	10.1		-27.1	34.6		-47.3	25.2
TNQUE3	3,146.7	0.2	0.5	333.3	0.3	1.1	1,042.7	0.4	0.8	1,896.7	1.6	0.7
		42.2	55.1		22.0	12.9		95.6	48.4		272.7	58.6
XHNEVW	3,046.2	-0.3	0.3	225.4	-1.0	0.4	576.0	-1.7	0.0	1,745.6	0.7	0.5
		-58.3	38.2		-86.0	4.2		-371.1	1.7		121.6	40.1
MZGWVZ	944.7	-10.0	0.1	755.6	5.1	0.9	261.6	-3.1	0.2	1,302.9	-1.8	0.2
		-2,159.8	11.1		444.3	10.5		-685.5	9.9		-321.1	19.2
Grand Median		3,104.5			311.3			947.1			1,624.0	
Median Abs Dev		50.2			56.9			130.5			96.4	
Avg Within Lab SD		118.7			11.7			57.6			79.5	
Labs Included		6			6			6			6	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

NO3 - N Oth. (SubTestCode 204)	Data units: mg/kg											
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
PFR9KY	3,050.0	0.1	1.9	4,385.8	0.4	2.0	4,155.0	0.4	2.0	2,415.5	0.2	2.0
		330.3	334.2		2,081.8	1,063.5		1,872.2	784.7		604.3	448.3
J42726	2,389.3	-0.1	0.3	222.3	-0.4	0.0	410.7	-0.4	0.1	1,207.0	-0.2	0.0
		-330.3	52.3		-2,081.8	5.7		-1,872.2	28.9		-604.3	7.8
4JGF2L	15,016.2	2.3	0.3	12,036.2	1.6	0.1	8,979.3	1.4	0.4	7,675.0	1.9	0.2
		12,296.6	56.4		9,732.1	50.3		6,696.4	154.4		5,863.8	42.3
PHEWWY	1,223.8	-0.3	0.6	158.4	-0.4	0.0	249.3	-0.4	0.0	567.7	-0.4	0.0
		-1,495.9	104.6		-2,145.7	14.0		-2,033.5	6.1		-1,243.5	3.9
Grand Median		2,719.7			2,304.1			2,282.8			1,811.3	
Median Abs Dev		913.1			2,113.7			1,952.8			923.9	
Avg Within Lab SD		179.3			532.4			400.2			225.2	
Labs Included		4			4			4			4	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

NH4-N (SubTestCode 205)	Data units: mg/kg							
	SRBSRB1601		SRBSRB1602		SRBSRB1603			
33JQFQ	87.7	1.4	108.7	1.1	95.7	1.3	725.3	1.0
		13.6		9.1		2.1		11.0
XHNEVW	36.5	0.1	140.6	0.8	132.7	0.5	920.1	1.3
		1.3		6.8		0.7		13.9
PHEWWY							431.3	0.6
								6.4
Grand Median		62.1		124.7		114.2		725.3
Median Abs Dev								
Avg Within Lab SD		9.6		8.0		1.6		10.9
Labs Included		2		2		2		3
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

PO4 - P (SubTestCode 206) Data units: mg/kg												
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	996.3	0.1	0.2	1,157.9	0.7	0.0	2,202.6	0.5	0.2	2,588.0	0.2	0.0
		19.6	12.3		117.2	6.2		96.0	43.0		88.0	16.4
GZ63WD	775.0	-1.4	0.3	927.3	-0.6	0.2	1,928.7	-0.9	0.5	1,915.0	-1.1	0.1
		-201.7	20.9		-113.3	37.4		-178.0	120.1		-585.0	94.6
CJTVUF	1,027.3	0.4	1.2	1,040.7	0.0	0.3	2,034.3	-0.4	0.2	2,489.0	0.0	0.1
		50.7	95.5		0.0	49.2		-72.3	53.5		-11.0	101.4
2GK3BP	990.9	0.1	1.1	1,036.7	0.0	0.2	2,156.7	0.2	0.3	2,536.7	0.1	0.1
		14.2	85.7		-4.0	30.6		50.0	65.1		36.7	90.7
33JQFQ	1,085.0	0.8	0.1	1,265.3	1.3	0.1	2,306.3	1.0	0.2	2,779.3	0.5	0.1
		108.3	8.5		224.7	12.9		199.7	60.1		279.3	62.9
PFR9KY	683.3	-2.1	0.5	836.7	-1.2	0.1	1,586.7	-2.6	0.2	1,936.7	-1.0	0.1
		-293.3	40.4		-204.0	15.3		-520.0	45.1		-563.3	70.9
WGX7VT	923.3	-0.4	0.0	1,050.3	0.1	0.0	2,109.3	0.0	0.0	2,376.0	-0.2	0.0
		-53.3	1.5		9.7	5.5		2.7	1.5		-124.0	1.0
QECBRZ	946.7	-0.2	0.1	1,013.3	-0.2	0.1	2,053.3	-0.3	0.3	2,500.0	0.0	0.0
		-30.0	11.5		-27.3	23.1		-53.3	68.1		0.0	36.1
BMDAYP	861.7	-0.8	0.1	999.3	-0.2	0.1	1,844.0	-1.3	0.3	2,545.0	0.1	0.1
		-115.0	10.6		-41.3	13.6		-262.7	83.2		45.0	76.9
2WG8UU	1,140.7	1.2	2.5	1,602.1	3.2	3.3	2,175.5	0.3	3.2	4,772.3	4.2	3.3
		164.0	196.6		561.4	543.1		68.8	772.7		2,272.3	3,466.2
UNPG82	976.7	0.0	1.2	1,046.7	0.0	0.3	2,106.7	0.0	0.4	2,456.7	-0.1	0.1
		0.0	90.7		6.0	49.3		0.0	98.1		-43.3	104.1
4JGF2L	3,215.0	15.8	0.1	3,164.2	12.0	0.2	6,024.9	19.3	0.3	7,283.4	8.8	0.1
		2,238.3	11.1		2,123.5	32.8		3,918.2	73.5		4,783.4	54.7
Grand Median		976.7		1,040.7			2,106.7			2,500.0		
Median Abs Dev		53.3		41.3			72.3			88.0		
Avg Within Lab SD		77.4		166.1			242.6			1,047.5		
Labs Included		11		11			11			11		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

SO4 - S (SubTestCode 207)								Data units: mg/kg
	SRBSRB1601		SRBSRB1602		SRBSRB1603			
AAUKBK	186.8	0.0	414.4	0.9	967.0	0.0	388.4	1.1
		0.0		13.4		0.0		13.4
BFZE6F	216.8	1.3	398.2	0.8	989.7	1.4	649.8	0.9
		7.2		12.5		28.0		10.6
33JQFQ	183.3	1.1	422.7	1.3	1,077.3	1.0	513.3	1.0
		6.1		19.2		21.1		11.4
Grand Median	186.8		414.4		989.7		513.3	
Median Abs Dev								
Avg Within Lab SD	5.5		15.3		20.3		11.8	
Labs Included	3		3		3		3	
Labs Reporting	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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

CI (SubTestCode 208)	Data units: Percent											
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.82	0.59	0.13	0.35	0.89	0.29	0.63	0.35	0.28	0.60	0.72	0.00
		0.12	0.00		0.11	0.01		0.05	0.01		0.07	0.00
83L8FJ	0.80	0.50	0.14	0.30	0.49	0.18	0.62	0.30	0.29	0.58	0.48	0.30
		0.10	0.00		0.06	0.00		0.04	0.01		0.05	0.00
2GK3BP	0.70	0.00	1.29	0.31	0.56	0.23	0.64	0.46	0.81	0.53	0.01	1.09
		0.00	0.03		0.07	0.01		0.07	0.02		0.00	0.02
33JQFQ	0.80	0.51	1.07	0.21	-0.17	0.71	0.63	0.40	0.92	0.61	0.83	1.32
		0.10	0.03		-0.02	0.02		0.06	0.02		0.08	0.02
XNBEWV	0.78	0.41	0.25	0.20	-0.25	0.27	0.58	0.00	0.26	0.58	0.49	0.38
		0.08	0.01		-0.03	0.01		0.00	0.01		0.05	0.01
PFR9KY	0.57	-0.65	1.25	0.25	0.12	2.31	0.40	-1.23	3.33	0.48	-0.47	0.95
		-0.13	0.03		0.01	0.05		-0.18	0.08		-0.05	0.01
J42726	0.68	-0.11	0.25	0.16	-0.61	0.53	0.51	-0.44	0.26	0.51	-0.23	0.76
		-0.02	0.01		-0.08	0.01		-0.06	0.01		-0.02	0.01
WGX7VT	0.75	0.26	0.65	0.26	0.19	0.46	0.62	0.33	0.26	0.45	-0.81	0.66
		0.05	0.02		0.03	0.01		0.05	0.01		-0.08	0.01
QECBRZ	0.77	0.34	1.48	0.22	-0.12	0.46	0.58	0.00	1.12	0.55	0.21	0.66
		0.07	0.03		-0.01	0.01		0.00	0.03		0.02	0.01
LZMPAC	0.36	-1.69	0.15	0.27	0.27	0.08	0.63	0.37	0.09	0.53	0.06	0.60
		-0.34	0.00		0.04	0.00		0.05	0.00		0.01	0.01
T84DB7	0.85	0.73	2.61	0.47	1.84	1.08	0.75	1.21	0.97	0.65	1.22	0.52
		0.15	0.06		0.24	0.02		0.17	0.02		0.12	0.01
UNPG82	0.58	-0.61	0.97	0.14	-0.73	0.30	0.44	-0.99	0.35	0.44	-0.92	0.99
		-0.12	0.02		-0.09	0.01		-0.14	0.01		-0.09	0.01
XHNEVW	0.70	0.00	0.34	0.16	-0.56	0.04	0.55	-0.21	0.19	0.51	-0.15	0.75
		0.00	0.01		-0.07	0.00		-0.03	0.00		-0.01	0.01
BHL3GF	0.69	-0.05	0.96	0.16	-0.57	0.12	0.52	-0.42	0.32	0.53	-0.01	0.17
		-0.01	0.02		-0.07	0.00		-0.06	0.01		0.00	0.00
MZGWVZ	0.22	-2.33	0.25	0.52	2.21	2.82	0.34	-1.65	0.77	0.44	-0.91	2.87
		-0.48	0.01		0.29	0.06		-0.24	0.02		-0.09	0.04
PHEWWY	0.29	-2.00	0.07	0.08	-1.22	0.01	0.23	-2.44	0.12	0.21	-3.29	0.12
		-0.41	0.00		-0.16	0.00		-0.35	0.00		-0.32	0.00
Grand Median		0.70			0.23			0.58			0.53	
Median Abs Dev		0.10			0.07			0.06			0.05	
Avg Within Lab SD		0.02			0.02			0.02			0.02	
Labs Included		16			16			16			16	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

TKN (SubTestCode 209)	Data units: Percent											
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.64	0.94	0.73	2.92	0.00	0.12	2.07	0.00	0.21	2.89	-0.21	0.10
		0.10	0.02		0.00	0.01		0.00	0.02		-0.04	0.01
2GK3BP	0.49	-0.35	0.53	2.93	0.07	1.08	1.93	-0.88	0.77	3.02	0.43	1.09
		-0.04	0.01		0.01	0.09		-0.14	0.07		0.09	0.09
33JQFQ	0.68	1.38	0.58	3.17	2.29	0.20	2.23	1.06	0.04	3.08	0.72	1.21
		0.15	0.01		0.25	0.02		0.17	0.00		0.15	0.10
F92H9C	0.53	-0.01	0.00	2.82	-0.93	0.21	1.93	-0.88	0.13	2.80	-0.65	0.14
		0.00	0.00		-0.10	0.02		-0.14	0.01		-0.14	0.01
WGX7VT	0.64	1.01	0.81	2.93	0.07	0.24	2.12	0.33	0.46	3.12	0.88	0.31
		0.11	0.02		0.01	0.02		0.05	0.04		0.18	0.03
GAPFPH	0.54	0.05	0.45	2.91	-0.08	0.39	2.01	-0.33	0.18	2.89	-0.22	0.64
		0.01	0.01		-0.01	0.03		-0.05	0.02		-0.05	0.05
2WG8UU	0.29	-2.17	1.77	2.86	-0.60	2.66	1.85	-1.38	2.84	2.61	-1.57	2.36
		-0.24	0.05		-0.07	0.22		-0.22	0.25		-0.33	0.19
AM2DUK	0.51	-0.16	1.66	2.91	-0.08	0.55	2.07	0.01	0.18	2.93	0.00	0.19
		-0.02	0.04		-0.01	0.05		0.00	0.02		0.00	0.02
XHNEVW	0.53	0.00	1.07	3.13	1.95	0.42	2.25	1.20	0.11	3.22	1.38	0.42
		0.00	0.03		0.21	0.03		0.19	0.01		0.29	0.03
Grand Median		0.53		2.92			2.07			2.93		
Median Abs Dev		0.04		0.01			0.14			0.14		
Avg Within Lab SD		0.03		0.08			0.09			0.08		
Labs Included		9		9			9			9		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

N- Dry Comb. (SubTestCode 210)												Data units: Percent
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	0.72	0.09	0.62	3.23	1.78	0.59	2.35	1.69	0.16	3.40	1.69	0.20
		0.01	0.02		0.19	0.02		0.17	0.01		0.25	0.01
AAUKBK	0.68	-0.24	0.16	3.16	1.09	0.06	2.26	0.80	0.13	3.24	0.65	0.28
		-0.03	0.00		0.12	0.00		0.08	0.01		0.10	0.01
GZ63WD	0.72	0.05	0.88	3.05	0.00	0.57	2.20	0.15	0.33	3.20	0.38	0.94
		0.01	0.03		0.00	0.02		0.02	0.02		0.06	0.05
CJTVUF	0.67	-0.33	0.06	3.05	0.06	0.06	2.15	-0.33	0.15	3.11	-0.24	0.13
		-0.04	0.00		0.01	0.00		-0.03	0.01		-0.04	0.01
83L8FJ	0.66	-0.46	0.51	3.17	1.13	0.42	2.25	0.70	0.33	3.28	0.91	0.37
		-0.06	0.02		0.12	0.02		0.07	0.02		0.13	0.02
BFZE6F	0.86	1.21	0.27	3.03	-0.15	0.68	2.30	1.12	0.14	3.10	-0.34	1.47
		0.15	0.01		-0.02	0.02		0.11	0.01		-0.05	0.08
33JQFQ	0.84	1.02	0.33	3.02	-0.22	1.24	2.18	-0.05	0.25	3.20	0.36	0.68
		0.13	0.01		-0.02	0.05		0.00	0.01		0.05	0.04
XNBEWV	0.69	-0.19	0.66	3.15	0.94	0.69	2.24	0.61	0.69	3.25	0.68	0.11
		-0.02	0.02		0.10	0.03		0.06	0.03		0.10	0.01
9JP2MJ	0.72	0.04	1.76	2.90	-1.35	1.65	2.06	-1.18	0.74	3.00	-1.02	1.61
		0.01	0.05		-0.14	0.06		-0.12	0.03		-0.15	0.09
PFR9KY	0.72	0.09	2.82	3.04	-0.10	0.59	2.16	-0.25	0.31	3.19	0.28	0.56
		0.01	0.09		-0.01	0.02		-0.03	0.01		0.04	0.03
J42726	0.83	0.94	0.57	3.03	-0.19	0.16	2.21	0.25	0.12	3.22	0.48	0.47
		0.12	0.02		-0.02	0.01		0.03	0.01		0.07	0.03
QEGBRZ	0.49	-1.81	1.20	3.07	0.22	0.95	2.15	-0.27	0.69	3.27	0.84	0.65
		-0.22	0.04		0.02	0.03		-0.03	0.03		0.12	0.03
RMZ998	0.93	1.75	0.66	3.13	0.82	1.67	2.31	1.29	0.33	3.42	1.88	1.19
		0.22	0.02		0.09	0.06		0.13	0.02		0.28	0.06
LZMPAC	0.71	0.00	0.96	2.98	-0.63	0.27	2.18	-0.05	0.25	3.14	-0.02	0.29
		0.00	0.03		-0.07	0.01		0.00	0.01		0.00	0.02
BMDAYP	0.57	-1.16	1.75	2.97	-0.76	1.58	2.00	-1.77	4.28	3.00	-1.00	3.24
		-0.14	0.05		-0.08	0.06		-0.18	0.20		-0.15	0.17
BE38DN	0.59	-0.97	1.34	2.90	-1.42	0.84	2.02	-1.54	0.49	3.03	-0.79	0.97
		-0.12	0.04		-0.15	0.03		-0.16	0.02		-0.12	0.05
GAPFPH	0.66	-0.47	1.08	3.21	1.56	0.25	2.27	0.84	0.31	3.28	0.91	0.59
		-0.06	0.03		0.17	0.01		0.09	0.01		0.13	0.03
T84DB7	0.66	-0.40	0.55	3.10	0.52	0.56	2.18	0.00	0.44	3.12	-0.19	0.30
		-0.05	0.02		0.06	0.02		0.00	0.02		-0.03	0.02
TNQUE3	0.80	0.67	0.19	3.02	-0.25	0.72	2.14	-0.44	0.65	3.15	0.00	0.47
		0.08	0.01		-0.03	0.03		-0.04	0.03		0.00	0.03
PWWNK7	3.47	22.28		3.47	4.00		3.43	12.19		3.66	3.49	0.47
		2.76	0.00		0.42	0.00		1.25	0.00		0.51	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					
UNPG82	0.64	-0.59	0.99	3.16	1.04	3.17	2.22	0.41	1.29	3.14	-0.02	1.59
		-0.07	0.03		0.11	0.12		0.04	0.06		0.00	0.09
J26YBD	0.73	0.13	0.33	3.06	0.13	0.47	2.18	0.02	0.33	3.22	0.52	1.13
		0.02	0.01		0.01	0.02		0.00	0.02		0.08	0.06
CPEWRJ	0.59	-1.04	0.68	3.03	-0.11	0.09	2.11	-0.70	1.02	3.09	-0.37	0.95
		-0.13	0.02		-0.01	0.00		-0.07	0.05		-0.05	0.05
VBVLAX	0.78	0.54	0.57	2.93	-1.10	0.99	2.07	-1.09	1.62	3.11	-0.25	1.50
		0.07	0.02		-0.12	0.04		-0.11	0.08		-0.04	0.08
XHNEVW	0.78	0.53	0.18	3.24	1.86	0.35	2.26	0.81	0.10	3.46	2.14	0.40
		0.07	0.01		0.20	0.01		0.08	0.00		0.32	0.02
MZGWVZ	1.09	3.04	1.85	3.13	0.82	1.04	2.35	1.61	1.25	3.12	-0.20	0.76
		-0.38	0.06		0.09	0.04		0.17	0.06		-0.03	0.04
6K828H	0.72	0.05	0.33	3.02	-0.22	0.96	2.17	-0.14	0.25	3.22	0.48	0.22
		0.01	0.01		-0.02	0.04		-0.01	0.01		0.07	0.01
ZZZ3WM	0.67	-0.35		3.07	0.22		2.22	0.38		2.80	-2.36	0.22
		-0.04	0.00		0.02	0.00		0.04	0.00		-0.35	0.00
PHEWWY	0.63	-0.71	0.88	2.98	-0.60	1.14	2.12	-0.62	0.71	3.08	-0.42	0.48
		-0.09	0.03		-0.06	0.04		-0.06	0.03		-0.06	0.03
J6NUD7	0.63	-0.66	0.43	3.02	-0.26	0.09	2.14	-0.44	0.11	3.13	-0.14	0.23
		-0.08	0.01		-0.03	0.00		-0.05	0.01		-0.02	0.01
Grand Median		0.71			3.05			2.18			3.15	
Median Abs Dev		0.07			0.06			0.06			0.07	
Avg Within Lab SD		0.03			0.04			0.05			0.05	
Labs Included		29			29			29			29	
Labs Reporting		29			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		

S- Dry Comb. (SubTestCode 211)								Data units: Percent
	SRBSRB1601		SRBSRB1602		SRBSRB1603			
T84DB7	0.08	0.98	0.23	0.36	0.26	0.66	0.24	0.81
		0.01		0.00		0.01		0.01
UNPG82	0.06	1.02	0.23	1.37	0.27	1.25	0.22	1.16
		0.01		0.01		0.01		0.02
Grand Median	0.068		0.23		0.26		0.23	
Median Abs Dev								
Avg Within Lab SD	0.006		0.01		0.01		0.01	
Labs Included	2		2		2		2	
Labs Reporting	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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

P (SubTestCode 212)	in the Wet Digestion Property Groups												Data units: Percent
	SRBSRB1601			SRBSRB1602			SRBSRB1603						
YAA32W	0.12	0.36	0.05	0.21	0.62	0.15	0.31	1.20	0.23	0.43	1.33	0.33	
		0.01	0.00		0.01	0.00		0.04	0.00		0.05	0.01	
AAUKBK	0.13	0.98	0.00	0.22	1.05	0.23	0.30	0.82	0.55	0.40	0.61	0.50	
		0.01	0.00		0.02	0.00		0.02	0.01		0.02	0.01	
GZ63WD	0.11	0.00	0.55	0.19	-0.46	0.81	0.27	-0.25	0.87	0.36	-0.47	0.92	
		0.00	0.01		-0.01	0.01		-0.01	0.01		-0.02	0.02	
CJTVUF	0.13	1.13	0.24	0.23	1.37	1.30	0.31	1.14	1.20	0.42	1.12	0.64	
		0.02	0.00		0.03	0.01		0.03	0.01		0.04	0.01	
83L8FJ	0.13	1.17	0.25	0.22	0.92	0.73	0.32	1.27	0.46	0.42	1.16	0.49	
		0.02	0.00		0.02	0.01		0.04	0.01		0.05	0.01	
GBLMGA	0.12	0.75	0.15	0.18	-0.73	0.24	0.27	-0.41	0.28	0.35	-0.55	0.24	
		0.01	0.00		-0.02	0.00		-0.01	0.00		-0.02	0.00	
2GK3BP	0.11	-0.53	0.57	0.18	-0.62	0.29	0.27	-0.28	0.26	0.36	-0.34	0.30	
		-0.01	0.01		-0.01	0.00		-0.01	0.00		-0.01	0.00	
33JQFQ	0.11	-0.22	0.00	0.18	-0.78	0.00	0.27	-0.36	0.50	0.34	-0.81	0.35	
		0.00	0.00		-0.02	0.00		-0.01	0.01		-0.03	0.01	
9JP2MJ	0.10	-0.66	2.39	0.20	0.01	2.14	0.29	0.32	1.32	0.33	-1.24	2.44	
		-0.01	0.03		0.00	0.02		0.01	0.02		-0.05	0.04	
PFR9KY	0.13	0.95	0.48	0.20	-0.01	0.93	0.28	0.15	1.03	0.38	0.23	1.15	
		0.01	0.01		0.00	0.01		0.00	0.01		0.01	0.02	
J42726	0.11	-0.44	0.55	0.18	-0.78	0.00	0.27	-0.14	0.50	0.36	-0.30	0.35	
		-0.01	0.01		-0.02	0.00		0.00	0.01		-0.01	0.01	
WGX7VT	0.11	0.00	0.55	0.20	0.16	0.00	0.28	-0.02	0.50	0.36	-0.38	0.60	
		0.00	0.01		0.00	0.00		0.00	0.01		-0.01	0.01	
RMZ998	0.11	-0.44	0.55	0.18	-0.93	1.62	0.27	-0.25	0.87	0.38	0.05	0.70	
		-0.01	0.01		-0.02	0.01		-0.01	0.01		0.00	0.01	
LZMPAC	0.12	0.66	1.10	0.19	-0.15	0.81	0.29	0.43	0.00	0.39	0.39	0.60	
		0.01	0.01		0.00	0.01		0.01	0.00		0.02	0.01	
BMDAYP	0.10	-0.99	0.27	0.17	-1.09	1.62	0.24	-1.26	0.87	0.33	-1.15	1.21	
		-0.02	0.00		-0.02	0.01		-0.04	0.01		-0.04	0.02	
BE38DN	0.11	-0.20	0.55	0.19	-0.40	0.28	0.27	-0.12	0.10	0.37	-0.06	0.09	
		0.00	0.01		-0.01	0.00		0.00	0.00		0.00	0.00	
GAPFPH	0.11	-0.38	0.15	0.18	-0.95	0.93	0.25	-0.82	1.15	0.38	0.04	0.72	
		-0.01	0.00		-0.02	0.01		-0.02	0.01		0.00	0.01	
T84DB7	0.15	2.16	0.45	0.24	1.81	1.16	0.36	2.80	0.31	0.46	2.21	1.42	
		0.03	0.00		0.04	0.01		0.08	0.00		0.09	0.02	
TNQUE3	0.11	0.00	0.55	0.20	0.01	0.81	0.28	-0.02	0.50	0.37	-0.21	0.35	
		0.00	0.01		0.00	0.01		0.00	0.01		-0.01	0.01	
PWWNK7	0.13	1.10		0.21	0.63		0.30	0.77		0.42	1.16	0.35	
		0.02	0.00		0.01	0.00		0.02	0.00		0.05	0.00	



ALP Program - Participant Web Summary Report - Cycle 29

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
2WG8UU	0.11	0.08	0.36	0.19	-0.45	0.73	0.27	-0.20	1.17	0.36	-0.29	1.54
		0.00	0.00		-0.01	0.01		-0.01	0.01		-0.01	0.03
8CMGZN	0.11	0.00	0.55	0.20	0.16	1.40	0.27	-0.11	0.09	0.35	-0.67	0.09
		0.00	0.01		0.00	0.01		0.00	0.00		-0.03	0.00
CPEWRJ	0.14	1.82	1.12	0.22	1.30	1.39	0.32	1.31	0.29	0.42	1.24	2.47
		0.03	0.01		0.03	0.01		0.04	0.00		0.05	0.04
VBVLAX	0.12	0.44	0.95	0.21	0.48	1.62	0.29	0.54	3.50	0.42	1.16	2.09
		-0.01	0.01		0.01	0.01		0.02	0.04		0.05	0.03
AM2DUK	0.10	-0.95	0.16	0.18	-0.78	1.40	0.27	-0.36	0.50	0.35	-0.64	0.60
		-0.01	0.00		-0.02	0.01		-0.01	0.01		-0.02	0.01
XHNEVW	0.13	1.33	0.27	0.22	1.08	0.27	0.32	1.28	0.11	0.41	0.97	0.16
		0.02	0.00		0.02	0.00		0.04	0.00		0.04	0.00
WYZRCU	0.09	-1.33	4.56	0.19	-0.18	1.02	0.28	0.02	2.77	0.38	0.12	1.71
		-0.02	0.05		0.00	0.01		0.00	0.03		0.00	0.03
	0.11	-0.42	0.67	0.18	-0.71	0.65	0.27	-0.39	0.28	0.35	-0.69	0.85
		-0.01	0.01		-0.02	0.00		-0.01	0.00		-0.03	0.01
BHL3GF	0.11	0.00	0.11	0.20	0.02	1.10	0.28	-0.02	0.81	0.37	-0.24	0.55
		0.00	0.00		0.00	0.01		0.00	0.01		-0.01	0.01
MZGWVZ	0.11	-0.22	0.95	0.18	-0.78	1.40	0.23	-1.60	0.87	0.33	-1.24	0.70
		0.00	0.01		-0.02	0.01		-0.05	0.01		-0.05	0.01
DNM26B	0.13	1.15	0.40	0.23	1.70	0.32	0.33	1.62	0.58	0.42	1.08	0.42
		0.02	0.00		0.04	0.00		0.05	0.01		0.04	0.01
6K828H	0.11	0.00	0.55	0.19	-0.15	0.81	0.29	0.32	0.50	0.37	-0.04	0.35
		0.00	0.01		0.00	0.01		0.01	0.01		0.00	0.01
ZZZ3WM	0.13	1.41	0.96	0.21	0.67	1.63	0.29	0.37	1.34	0.39	0.27	1.42
		0.02	0.01		0.01	0.01		0.01	0.02		0.01	0.02
PHEWWY	0.13	1.10		0.22	1.11		0.32	1.44		0.40	0.65	1.42
		0.02	0.00		0.02	0.00		0.04	0.00		0.03	0.00
J6NUD7	0.11	-0.22	0.00	0.18	-0.62	0.81	0.26	-0.59	0.87	0.36	-0.38	1.05
		0.00	0.00		-0.01	0.01		-0.02	0.01		-0.01	0.02
TRP93T	0.12	0.66	0.31	0.21	0.63	0.88	0.31	1.26	0.22	0.41	0.81	0.09
		0.01	0.00		0.01	0.01		0.04	0.00		0.03	0.00
Grand Median		0.11			0.20			0.28			0.37	
Median Abs Dev		0.01			0.01			0.01			0.02	
Avg Within Lab SD		0.01			0.01			0.01			0.02	
Labs Included		36			36			36			36	
Labs Reporting		36			36			36			36	



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

K (SubTestCode 213)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	2.95	1.00	0.08	2.21	0.60	0.40	3.13	0.91	0.15	1.82	0.19	0.08
		0.34	0.02		0.15	0.03		0.26	0.02		0.03	0.01
AAUKBK	2.86	0.74	0.26	2.29	0.93	0.22	3.08	0.72	0.26	1.91	0.76	0.40
		0.25	0.05		0.23	0.02		0.20	0.03		0.12	0.03
GZ63WD	2.55	-0.17	0.81	2.01	-0.22	1.51	2.79	-0.30	1.26	1.68	-0.68	1.29
		-0.06	0.17		-0.05	0.13		-0.08	0.16		-0.11	0.11
CJTVUF	2.72	0.32	0.38	2.25	0.79	2.83	3.00	0.42	0.40	1.88	0.58	0.37
		0.11	0.08		0.19	0.24		0.12	0.05		0.09	0.03
83L8FJ	2.77	0.49	0.28	2.10	0.18	0.18	2.97	0.34	0.59	1.93	0.91	1.05
		0.17	0.06		0.04	0.02		0.10	0.08		0.15	0.09
GBLMGA	2.70	0.26	0.01	1.70	-1.46	0.29	2.53	-1.23	0.09	1.62	-1.01	0.16
		0.09	0.00		-0.36	0.02		-0.35	0.01		-0.16	0.01
2GK3BP	2.48	-0.38	0.52	2.07	0.05	0.76	2.88	0.00	0.20	1.82	0.21	0.88
		-0.13	0.11		0.01	0.06		0.00	0.03		0.03	0.07
33JQFQ	2.32	-0.85	0.46	1.80	-1.08	0.81	2.47	-1.45	0.28	1.58	-1.26	0.35
		-0.29	0.10		-0.26	0.07		-0.41	0.04		-0.20	0.03
9JP2MJ	2.42	-0.53	0.55	2.36	1.24	1.66	3.06	0.64	1.26	1.78	-0.02	1.62
		-0.18	0.11		0.30	0.14		0.18	0.16		0.00	0.13
PFR9KY	2.51	-0.27	0.29	2.02	-0.16	0.72	2.71	-0.59	0.80	1.73	-0.37	1.16
		-0.09	0.06		-0.04	0.06		-0.17	0.10		-0.06	0.10
J42726	2.37	-0.68	0.23	1.94	-0.49	0.36	2.73	-0.52	0.24	1.69	-0.58	0.25
		-0.23	0.05		-0.12	0.03		-0.15	0.03		-0.09	0.02
WGX7VT	2.59	-0.05	0.13	1.99	-0.27	0.07	2.96	0.31	0.12	1.77	-0.08	0.07
		-0.02	0.03		-0.07	0.01		0.09	0.02		-0.01	0.01
RMZ998	2.61	0.00	0.56	2.03	-0.12	1.76	2.85	-0.08	0.98	1.80	0.08	0.85
		0.00	0.12		-0.03	0.15		-0.02	0.13		0.01	0.07
LZMPAC	2.77	0.47	0.78	2.12	0.23	0.34	2.99	0.41	0.09	1.88	0.56	0.39
		0.16	0.16		0.06	0.03		0.12	0.01		0.09	0.03
BMDAYP	1.87	-2.16	1.47	1.63	-1.75	0.69	2.40	-1.69	0.00	1.53	-1.57	0.70
		-0.74	0.31		-0.43	0.06		-0.48	0.00		-0.25	0.06
BE38DN	2.58	-0.07	0.40	1.94	-0.49	0.12	2.75	-0.45	0.27	1.79	0.00	0.07
		-0.02	0.08		-0.12	0.01		-0.13	0.03		0.00	0.01
GAPFPH	2.98	1.07	1.19	1.88	-0.75	1.29	2.83	-0.17	0.52	1.87	0.51	0.67
		0.37	0.25		-0.18	0.11		-0.05	0.07		0.08	0.06
T84DB7	3.06	1.32	0.88	2.32	1.07	0.46	3.27	1.38	0.24	2.03	1.53	0.12
		0.45	0.18		0.26	0.04		0.39	0.03		0.25	0.01
TNQUE3	2.59	-0.04	0.17	1.99	-0.27	0.54	2.77	-0.39	0.39	1.71	-0.48	0.00
		-0.01	0.04		-0.07	0.05		-0.11	0.05		-0.08	0.00
PWWNK7	2.75	0.42		2.06	0.00		2.83	-0.17		1.88	0.58	0.00
		0.14	0.00		0.00	0.00		-0.05	0.00		0.09	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					
2WG8UU	2.76	0.45	0.09	2.10	0.18	0.38	2.97	0.32	0.78	1.84	0.31	0.24
		0.15	0.02		0.04	0.03		0.09	0.10		0.05	0.02
8CMGZN	3.05	1.29	0.22	2.51	1.84	0.36	3.18	1.06	0.18	1.92	0.85	0.37
		0.44	0.05		0.45	0.03		0.30	0.02		0.14	0.03
CPEWRJ	2.69	0.23	1.00	2.08	0.07	0.86	2.89	0.03	0.21	1.68	-0.64	1.69
		0.08	0.21		0.02	0.07		0.01	0.03		-0.10	0.14
VBVLAX	2.52	-0.26	0.91	1.97	-0.38	1.27	2.51	-1.29	2.05	1.70	-0.54	1.04
		-0.09	0.19		-0.09	0.11		-0.36	0.26		-0.09	0.09
AM2DUK	2.40	-0.60	0.84	2.00	-0.25	1.19	2.80	-0.27	0.78	1.77	-0.12	1.40
		-0.21	0.17		-0.06	0.10		-0.08	0.10		-0.02	0.12
XHNEVW	3.18	1.67	0.21	2.31	1.02	0.41	3.23	1.27	0.13	2.02	1.48	0.20
		0.57	0.04		0.25	0.03		0.36	0.02		0.24	0.02
WYZRCU	2.22	-1.14	4.76	1.94	-0.48	0.70	2.73	-0.52	2.01	1.78	-0.04	1.69
		-0.39	0.99		-0.12	0.06		-0.15	0.26		-0.01	0.14
	2.50	-0.31	0.54	1.71	-1.44	0.54	2.79	-0.30	1.90	1.75	-0.25	1.34
		-0.11	0.11		-0.35	0.05		-0.08	0.24		-0.04	0.11
BHL3GF	2.54	-0.18	0.27	1.97	-0.36	1.42	2.66	-0.77	0.75	1.70	-0.52	0.19
		-0.06	0.06		-0.09	0.12		-0.22	0.10		-0.08	0.02
MZGWVZ	1.76	-2.47	0.59	1.47	-2.41	1.39	1.52	-4.80	2.60	1.10	-4.27	0.56
		-0.85	0.12		-0.59	0.12		-1.35	0.33		-0.69	0.05
DNM26B	2.94	0.96	0.39	2.29	0.94	0.21	3.13	0.90	0.75	1.92	0.83	0.92
		0.33	0.08		0.23	0.02		0.25	0.10		0.13	0.08
6K828H	2.49	-0.35	0.32	2.16	0.42	0.54	2.97	0.32	0.43	1.70	-0.56	1.13
		-0.12	0.07		0.10	0.05		0.09	0.06		-0.09	0.09
ZZZ3WM	3.21	1.76	1.24	2.41	1.43	2.29	3.11	0.83	3.66	2.01	1.40	3.38
		0.60	0.26		0.35	0.19		0.23	0.47		0.23	0.28
PHEWWY	3.26	1.90		2.60	2.22		3.58	2.49		2.23	2.75	3.38
		0.65	0.00		0.54	0.00		0.70	0.00		0.44	0.00
J6NUD7	2.88	0.81	0.36	2.14	0.31	0.96	3.06	0.64	0.94	1.91	0.79	0.83
		0.28	0.07		0.08	0.08		0.18	0.12		0.13	0.07
TRP93T	2.75	0.42	0.25	2.08	0.10	0.60	3.00	0.43	0.39	1.87	0.54	0.35
		0.14	0.05		0.02	0.05		0.12	0.05		0.09	0.03
Grand Median		2.61			2.06			2.88			1.79	
Median Abs Dev		0.16			0.12			0.15			0.09	
Avg Within Lab SD		0.21			0.08			0.13			0.08	
Labs Included		35			35			35			35	
Labs Reporting		35			35			35			35	



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

Ca (SubTestCode 214)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	0.15	0.19	0.29	3.54	0.93	0.22	1.85	0.73	0.51	0.49	0.51	0.75
		0.01	0.00		0.37	0.03		0.14	0.04		0.03	0.01
AAUKBK	0.15	0.24	0.29	3.41	0.60	0.14	1.78	0.37	0.55	0.49	0.51	0.62
		0.01	0.00		0.24	0.02		0.07	0.04		0.03	0.01
GZ63WD	0.16	0.39	0.44	2.99	-0.44	0.29	1.63	-0.40	0.21	0.45	-0.13	0.33
		0.01	0.01		-0.18	0.04		-0.08	0.02		-0.01	0.01
CJTVUF	0.16	0.53	0.23	3.83	1.65	3.84	1.83	0.67	0.36	0.51	0.80	2.31
		0.02	0.00		0.66	0.50		0.13	0.03		0.05	0.04
83L8FJ	0.15	0.30	1.11	3.17	0.01	0.35	1.70	0.00	0.55	0.48	0.35	0.56
		0.01	0.01		0.00	0.05		0.00	0.04		0.02	0.01
GBLMGA	0.13	-0.56	0.00	2.32	-2.14	0.26	1.24	-2.38	0.63	0.39	-1.16	0.35
		-0.02	0.00		-0.85	0.03		-0.46	0.05		-0.07	0.01
2GK3BP	0.16	0.50	1.33	2.92	-0.62	0.04	1.73	0.15	0.28	0.52	1.00	0.33
		0.02	0.02		-0.25	0.01		0.03	0.02		0.06	0.01
33JQFQ	0.21	2.15	0.77	2.95	-0.56	0.31	1.65	-0.30	0.34	0.52	0.95	1.53
		0.07	0.01		-0.22	0.04		-0.06	0.03		0.06	0.03
9JP2MJ	0.15	0.28	1.93	3.50	0.84	0.80	1.88	0.92	1.13	0.43	-0.56	1.77
		0.01	0.03		0.33	0.10		0.18	0.08		-0.03	0.03
PFR9KY	0.19	1.44	0.39	3.25	0.21	1.60	1.71	0.03	1.10	0.54	1.30	1.03
		0.04	0.01		0.08	0.21		0.01	0.08		0.08	0.02
J42726	0.12	-0.82	0.00	2.98	-0.48	0.12	1.61	-0.50	0.54	0.43	-0.45	0.33
		-0.02	0.00		-0.19	0.02		-0.10	0.04		-0.03	0.01
WGX7VT	0.15	0.06	0.44	3.17	0.00	0.08	1.77	0.34	0.13	0.46	0.03	0.67
		0.00	0.01		0.00	0.01		0.07	0.01		0.00	0.01
RMZ998	0.15	0.28	0.44	3.19	0.06	1.58	1.73	0.15	1.21	0.48	0.36	0.88
		0.01	0.01		0.02	0.21		0.03	0.09		0.02	0.02
LZMPAC	0.16	0.39	0.44	3.42	0.63	0.63	1.84	0.72	0.96	0.49	0.52	0.67
		0.01	0.01		0.25	0.08		0.14	0.07		0.03	0.01
BMDAYP	0.12	-0.71	0.88	2.83	-0.84	0.89	1.50	-1.05	1.35	0.40	-0.94	0.33
		-0.02	0.01		-0.34	0.12		-0.20	0.10		-0.06	0.01
GAPFPH	0.13	-0.38	0.16	2.77	-1.00	0.87	1.56	-0.74	1.01	0.46	0.05	0.84
		-0.01	0.00		-0.40	0.11		-0.14	0.07		0.00	0.01
T84DB7	0.18	1.30	0.63	4.01	2.11	0.90	2.22	2.67	0.24	0.61	2.37	0.30
		0.04	0.01		0.84	0.12		0.52	0.02		0.15	0.01
TNQUE3	0.15	0.06	0.88	2.98	-0.48	0.65	1.72	0.10	0.74	0.45	-0.24	0.33
		0.00	0.01		-0.19	0.08		0.02	0.06		-0.01	0.01
PWWNK7	0.14	-0.16		3.26	0.23		1.62	-0.43		0.46	-0.02	0.33
		0.00	0.00		0.09	0.00		-0.08	0.00		0.00	0.00
2WG8UU	0.09	-1.74	0.79	3.09	-0.20	0.99	1.65	-0.29	1.43	0.38	-1.29	0.70
		-0.05	0.01		-0.08	0.13		-0.06	0.11		-0.08	0.01



ALP Program - Participant Web Summary Report - Cycle 29

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD			
8CMGZN	0.13	-0.65	0.16	3.10	-0.17	0.18	1.65	-0.27	0.56	0.40	-0.91	0.39
CPEWRJ	0.14	-0.02	0.00	3.22	-0.07	0.02	1.72	-0.05	0.04	0.45	-0.06	0.01
VBVLAX	0.14	-0.24	0.77	3.17	0.12	1.34	1.69	0.11	0.35	0.48	-0.15	2.81
AM2DUK	0.13	-0.01	0.01	3.10	0.05	0.17	1.67	0.02	0.03	0.46	-0.01	0.05
XHNEVW	0.14	-0.27	1.17	3.37	-0.01	0.83	1.81	-0.09	1.44	0.47	0.25	1.46
WYZRCU	0.10	-0.01	0.02	2.96	0.00	0.11	1.49	-0.02	0.11	0.44	0.02	0.03
BHL3GF	0.13	-0.60	0.44	2.57	-0.18	1.54	1.62	-0.19	0.78	0.44	-0.08	1.46
MZGWVZ	0.14	-0.02	0.01	2.98	-0.07	0.20	1.49	-0.04	0.06	0.40	0.00	0.03
DNM26B	0.14	0.00	0.41	3.11	0.51	0.13	1.83	0.53	0.29	0.58	0.22	0.17
6K828H	0.04	0.00	0.01	3.28	0.20	0.02	1.69	0.10	0.02	0.36	0.01	0.00
ZZZ3WM	0.15	-1.44	3.80	3.44	-0.53	1.47	1.88	-1.08	4.12	0.52	-0.38	0.60
PHEWWY	0.18	-0.04	0.05	3.88	-0.21	0.19	2.03	-0.21	0.31	0.47	-0.02	0.01
J6NUD7	0.18	-0.57	0.55	3.48	-1.50	0.23	1.88	-1.08	0.39	0.52	-1.03	0.90
TRP93T	0.13	-0.02	0.01	3.27	-0.60	0.03	1.77	-0.21	0.03	0.46	-0.06	0.02
		-0.54	0.29		-0.47	0.18		-0.42	0.64		-0.42	0.69
		-0.02	0.00		-0.19	0.02		-0.08	0.05		-0.03	0.01
		-0.16	0.00		-2.16	0.50		-2.97	0.21		-1.64	0.58
		0.00	0.00		-0.86	0.07		-0.58	0.02		-0.10	0.01
		-0.31	0.23		-0.15	0.31		-0.28	0.62		-0.35	0.49
		-0.01	0.00		-0.06	0.04		-0.05	0.05		-0.02	0.01
		-3.36	2.46		0.27	0.09		-0.05	0.41		-1.58	1.34
		-0.10	0.03		0.11	0.01		-0.01	0.03		-0.10	0.02
		0.22	0.75		0.69	1.21		0.66	0.60		0.19	1.09
		0.01	0.01		0.27	0.16		0.13	0.04		0.01	0.02
		1.16			1.78			1.68			1.92	1.09
		0.04	0.00		0.71	0.00		0.33	0.00		0.12	0.00
		1.16	0.00		0.79	0.90		0.92	0.97		0.95	0.58
		0.04	0.00		0.31	0.12		0.18	0.07		0.06	0.01
		-0.44	0.31		0.26	0.40		0.34	0.23		0.00	0.60
		-0.01	0.00		0.10	0.05		0.07	0.02		0.00	0.01
Grand Median		0.14			3.17			1.70			0.46	
Median Abs Dev		0.01			0.20			0.08			0.03	
Avg Within Lab SD		0.01			0.13			0.07			0.02	
Labs Included		35			35			35			35	
Labs Reporting		35			35			35			35	



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

Mg (SubTestCode 215)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	0.19	0.67	0.42	0.71	1.02	0.34	0.36	0.75	0.11	0.45	0.68	0.09
		0.01	0.01		0.07	0.01		0.03	0.00		0.03	0.00
AAUKBK	0.22	1.68	0.09	0.73	1.40	0.54	0.37	0.95	0.44	0.45	0.71	0.66
		0.04	0.00		0.10	0.01		0.03	0.01		0.03	0.01
GZ63WD	0.18	-0.17	0.41	0.61	-0.40	0.43	0.32	-0.33	0.41	0.39	-0.72	0.61
		0.00	0.01		-0.03	0.01		-0.01	0.01		-0.03	0.01
CJTVUF	0.21	1.37	0.18	0.75	1.64	1.07	0.38	1.28	0.56	0.47	1.12	0.77
		0.03	0.00		0.11	0.02		0.05	0.01		0.05	0.01
83L8FJ	0.18	0.13	0.31	0.66	0.26	0.56	0.35	0.32	0.46	0.42	0.11	0.19
		0.00	0.00		0.02	0.01		0.01	0.01		0.00	0.00
GBLMGA	0.18	-0.23	0.04	0.56	-1.15	0.37	0.28	-1.65	0.56	0.38	-0.90	0.34
		0.00	0.00		-0.08	0.01		-0.06	0.01		-0.04	0.01
2GK3BP	0.18	-0.17	0.82	0.62	-0.21	0.25	0.36	0.70	0.71	0.42	0.00	0.00
		0.00	0.01		-0.01	0.01		0.03	0.01		0.00	0.00
33JQFQ	0.18	0.15	0.41	0.63	-0.11	0.43	0.34	0.05	0.82	0.42	0.00	0.61
		0.00	0.01		-0.01	0.01		0.00	0.01		0.00	0.01
9JP2MJ	0.17	-0.48	0.71	0.72	1.25	1.39	0.35	0.51	1.48	0.40	-0.56	1.27
		-0.01	0.01		0.09	0.03		0.02	0.02		-0.02	0.02
PFR9KY	0.19	0.37	0.37	0.66	0.26	0.87	0.35	0.34	0.84	0.44	0.54	0.65
		0.01	0.01		0.02	0.02		0.01	0.01		0.02	0.01
J42726	0.17	-0.48	0.00	0.60	-0.50	0.25	0.32	-0.33	0.41	0.42	0.00	0.61
		-0.01	0.00		-0.03	0.01		-0.01	0.01		0.00	0.01
WGX7VT	0.19	0.46	0.00	0.68	0.57	0.25	0.36	0.70	0.71	0.43	0.32	0.35
		0.01	0.00		0.04	0.01		0.03	0.01		0.01	0.01
RMZ998	0.18	-0.17	0.82	0.64	-0.01	1.64	0.33	-0.05	1.48	0.43	0.24	1.06
		0.00	0.01		0.00	0.04		0.00	0.02		0.01	0.02
LZMPAC	0.18	0.15	0.41	0.67	0.47	1.99	0.34	0.23	0.41	0.47	1.12	0.93
		0.00	0.01		0.03	0.05		0.01	0.01		0.05	0.02
BMDAYP	0.17	-0.33	0.82	0.60	-0.59	0.50	0.31	-0.70	0.00	0.40	-0.56	0.35
		-0.01	0.01		-0.04	0.01		-0.03	0.00		-0.02	0.01
GAPFPH	0.18	0.04	0.19	0.59	-0.76	0.48	0.31	-0.64	0.96	0.44	0.53	1.03
		0.00	0.00		-0.05	0.01		-0.02	0.01		0.02	0.02
T84DB7	0.23	2.21	0.42	0.74	1.46	0.72	0.40	1.82	0.21	0.52	2.36	0.36
		0.05	0.01		0.10	0.02		0.07	0.00		0.10	0.01
TNQUE3	0.17	-0.33	0.41	0.62	-0.30	0.66	0.33	-0.23	0.41	0.39	-0.64	0.35
		-0.01	0.01		-0.02	0.02		-0.01	0.01		-0.03	0.01
PWWNK7	0.18	-0.01		0.65	0.18		0.33	-0.14		0.43	0.24	0.35
		0.00	0.00		0.01	0.00		-0.01	0.00		0.01	0.00
2WG8UU	0.18	-0.07	0.21	0.62	-0.25	1.83	0.33	-0.17	1.03	0.41	-0.25	1.38
		0.00	0.00		-0.02	0.04		-0.01	0.01		-0.01	0.02



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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					
8CMGZN	0.21	1.63	0.38	0.71	1.10	0.35	0.39	1.54	0.78	0.43	0.35	0.46
		0.03	0.01		0.08	0.01		0.06	0.01		0.01	0.01
CPEWRJ	0.18	0.01	1.04	0.64	0.01	1.46	0.33	-0.09	0.22	0.41	-0.26	2.74
		0.00	0.01		0.00	0.03		0.00	0.00		-0.01	0.04
VBVLAX	0.17	-0.33	0.82	0.62	-0.21	1.25	0.31	-0.79	2.29	0.41	-0.32	1.41
		-0.01	0.01		-0.01	0.03		-0.03	0.03		-0.01	0.02
AM2DUK	0.15	-1.27	0.82	0.62	-0.30	1.39	0.32	-0.42	0.71	0.40	-0.48	0.61
		-0.03	0.01		-0.02	0.03		-0.02	0.01		-0.02	0.01
XHNEVW	0.20	0.82	0.34	0.69	0.76	0.08	0.36	0.58	0.12	0.45	0.69	0.25
		0.02	0.00		0.05	0.00		0.02	0.00		0.03	0.00
WYZRCU	0.14	-1.89	5.04	0.61	-0.44	0.87	0.31	-0.59	2.14	0.41	-0.29	1.61
		-0.04	0.07		-0.03	0.02		-0.02	0.03		-0.01	0.03
	0.17	-0.45	0.87	0.60	-0.56	0.61	0.31	-0.81	0.51	0.39	-0.72	0.46
		-0.01	0.01		-0.04	0.01		-0.03	0.01		-0.03	0.01
BHL3GF	0.17	-0.50	0.15	0.60	-0.50	1.32	0.30	-1.04	0.64	0.38	-1.08	0.21
		-0.01	0.00		-0.03	0.03		-0.04	0.01		-0.05	0.00
MZGWVZ	0.15	-1.27	0.41	0.33	-4.42	0.25	0.20	-3.68	0.41	0.25	-4.00	0.35
		-0.03	0.01		-0.30	0.01		-0.13	0.01		-0.17	0.01
DNM26B	0.19	0.33	0.11	0.68	0.60	0.53	0.34	0.15	0.46	0.42	-0.04	0.49
		0.01	0.00		0.04	0.01		0.01	0.01		0.00	0.01
6K828H	0.17	-0.33	0.41	0.62	-0.30	0.66	0.32	-0.51	0.41	0.38	-0.96	0.00
		-0.01	0.01		-0.02	0.02		-0.02	0.01		-0.04	0.00
ZZZ3WM	0.21	1.45	1.04	0.75	1.61	2.65	0.37	1.03	3.27	0.47	1.14	3.05
		0.03	0.01		0.11	0.06		0.04	0.05		0.05	0.05
PHEWWY	0.23	2.34		0.80	2.36		0.41	2.09		0.55	3.12	3.05
		0.05	0.00		0.16	0.00		0.08	0.00		0.13	0.00
J6NUD7	0.21	1.40	0.00	0.70	0.96	0.90	0.36	0.79	0.82	0.47	1.28	1.27
		0.03	0.00		0.07	0.02		0.03	0.01		0.05	0.02
TRP93T	0.19	0.54	0.15	0.67	0.42	0.33	0.36	0.61	0.31	0.44	0.58	0.22
		0.01	0.00		0.03	0.01		0.02	0.00		0.02	0.00
Grand Median		0.18			0.64			0.34			0.42	
Median Abs Dev		0.01			0.03			0.02			0.02	
Avg Within Lab SD		0.01			0.02			0.01			0.02	
Labs Included		34			34			34			34	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

S (SubTestCode 216)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	0.06	1.39	0.50	0.24	0.85	0.52	0.28	0.67	0.39	0.22	0.29	0.39
		0.01	0.00		0.03	0.01		0.02	0.00		0.01	0.00
AAUKBK	0.05	0.50	0.11	0.22	0.24	0.18	0.25	0.05	0.40	0.21	0.09	0.60
		0.00	0.00		0.01	0.00		0.00	0.00		0.00	0.00
GZ63WD	0.05	-0.62	0.28	0.21	-0.10	0.00	0.23	-0.55	0.46	0.18	-1.09	0.00
		0.00	0.00		0.00	0.00		-0.02	0.01		-0.03	0.00
CJTVUF	0.07	2.28	0.96	0.24	0.93	2.02	0.28	0.79	1.54	0.25	1.35	1.26
		0.02	0.01		0.03	0.02		0.03	0.02		0.04	0.01
83L8FJ	0.05	0.45	1.07	0.25	1.10		0.27	0.60	0.46	0.22	0.24	0.71
		0.00	0.01		0.04	0.00		0.02	0.01		0.01	0.01
GBLMGA	0.05	-0.49	0.11	0.19	-0.72	0.28	0.21	-1.11	0.12	0.17	-1.52	0.00
		0.00	0.00		-0.02	0.00		-0.04	0.00		-0.04	0.00
2GK3BP	0.05	0.00	1.85	0.20	-0.40	0.98	0.23	-0.55	0.46	0.20	-0.48	0.71
		0.00	0.01		-0.01	0.01		-0.02	0.01		-0.01	0.01
33JQFQ	0.04	-0.89	1.07	0.18	-1.01	0.00	0.27	0.41	0.46	0.18	-1.09	0.00
		-0.01	0.01		-0.03	0.00		0.01	0.01		-0.03	0.00
9JP2MJ	0.04	-1.34	1.85	0.24	0.80	3.55	0.28	0.89	1.22	0.16	-1.69	1.88
		-0.01	0.01		0.03	0.04		0.03	0.02		-0.05	0.02
PFR9KY	0.05	0.49	0.21	0.21	0.02	0.94	0.24	-0.40	0.53	0.20	-0.28	0.40
		0.00	0.00		0.00	0.01		-0.01	0.01		-0.01	0.00
J42726	0.05	0.00	0.00	0.25	1.10		0.29	1.08	0.80	0.23	0.72	0.00
		0.00	0.00		0.04	0.00		0.04	0.01		0.02	0.00
WGX7VT	0.05	-0.45	1.07	0.25	1.20	0.57	0.29	1.08	0.80	0.21	0.00	1.23
		0.00	0.01		0.04	0.01		0.04	0.01		0.00	0.01
QECBRZ	0.06	0.89	1.07	0.25	1.00	1.50	0.29	1.08	2.12	0.22	0.36	2.47
		0.01	0.01		0.03	0.02		0.04	0.03		0.01	0.02
RMZ998	0.05	-0.45	1.07	0.05	-4.82	0.57	0.02	-6.67	0.00	0.01	-7.25	0.00
		0.00	0.01		-0.16	0.01		-0.23	0.00		-0.20	0.00
LZMPAC	0.05	0.45	1.07	0.22	0.10	0.57	0.26	0.32	0.46	0.22	0.24	0.71
		0.00	0.01		0.00	0.01		0.01	0.01		0.01	0.01
BMDAYP	0.05	-0.18	0.60	0.18	-0.91	0.57	0.22	-0.93	0.00	0.19	-0.72	0.00
		0.00	0.00		-0.03	0.01		-0.03	0.00		-0.02	0.00
GAPFPH	0.05	0.22	0.21	0.21	-0.21	0.65	0.24	-0.32	0.81	0.22	0.51	1.07
		0.00	0.00		-0.01	0.01		-0.01	0.01		0.01	0.01
T84DB7	0.07	2.40	0.38	0.27	1.74	0.88	0.31	1.70	0.15	0.25	1.61	0.64
		0.02	0.00		0.06	0.01		0.06	0.00		0.04	0.01
TNQUE3	0.05	0.00	0.00	0.20	-0.30	1.14	0.25	-0.16	0.46	0.20	-0.36	0.00
		0.00	0.00		-0.01	0.01		-0.01	0.01		-0.01	0.00
PWWNK7	0.05	0.00		0.20	-0.40		0.24	-0.35		0.21	0.00	0.00
		0.00	0.00		-0.01	0.00		-0.01	0.00		0.00	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
2WG8UU	0.04	-1.00	0.92	0.21	0.00	0.43	0.24	-0.29	0.61	0.19	-0.70	1.28
8CMGZN	0.05	-0.01	0.00	0.18	0.00	0.00	0.21	-0.01	0.01	0.17	-0.02	0.01
CPEWRJ	0.06	-0.54	0.39	0.26	-1.11	0.13	0.28	-1.21	0.12	0.21	-1.44	0.24
VBVLAX	0.05	0.00	0.00	0.20	-0.04	0.00	0.23	-0.04	0.00	0.21	-0.04	0.00
AM2DUK	0.04	0.78	0.85	0.19	1.36	1.12	0.21	0.66	0.21	0.18	0.18	2.72
XHNEVW	0.06	0.01	0.00	0.23	0.05	0.01	0.27	0.02	0.00	0.23	0.00	0.02
WYZRCU	0.04	0.00	0.00	0.23	-0.30	0.57	0.26	-0.55	2.31	0.23	0.12	0.71
BHL3GF	0.05	-1.03	0.28	0.21	-0.01	0.01	0.25	-0.02	0.03	0.21	0.00	0.01
MZGWVZ	0.05	-0.01	0.00	0.16	-0.61	1.14	0.17	-1.12	0.46	0.15	-1.21	0.71
DNM26B	0.06	0.90	0.20	0.24	-0.02	0.01	0.28	-0.04	0.01	0.22	-0.03	0.01
ZZZ3WM	0.06	0.01	0.00	0.24	0.47	0.12	0.25	0.62	0.08	0.21	0.63	0.24
PHEWWY	0.06	0.01	0.00	0.23	0.02	0.00	0.27	0.02	0.00	0.23	0.02	0.00
J6NUD7	0.05	-1.03	3.90	0.20	0.62	1.38	0.24	0.21	3.31	0.20	0.82	0.75
		-0.01	0.02		0.02	0.01		0.01	0.04		0.02	0.01
		0.37	0.54		-0.14	0.54		0.00	0.17		0.17	1.00
		0.00	0.00		0.00	0.01		0.00	0.00		0.00	0.01
		-0.22	0.39		-0.26	0.23		-0.54	0.60		-0.53	0.62
		0.00	0.00		-0.01	0.00		-0.02	0.01		-0.01	0.01
		0.00	0.00		-1.51	0.57		-2.36	0.80		-2.05	0.71
		0.00	0.00		-0.05	0.01		-0.08	0.01		-0.06	0.01
		1.14	0.52		0.94	0.25		0.74	0.53		0.46	0.43
		0.01	0.00		0.03	0.00		0.03	0.01		0.01	0.00
		0.89	0.88		0.78	1.54		0.07	1.36		-0.08	1.80
		0.01	0.00		0.03	0.02		0.00	0.02		0.00	0.01
		1.34			0.50			0.51			0.72	1.80
		0.01	0.00		0.02	0.00		0.02	0.00		0.02	0.00
		0.00	0.00		-0.50	0.57		-0.35	0.80		-0.48	0.71
		0.00	0.00		-0.02	0.01		-0.01	0.01		-0.01	0.01
Grand Median		0.050			0.21			0.25			0.21	
Median Abs Dev		0.004			0.02			0.02			0.01	
Avg Within Lab SD		0.005			0.01			0.01			0.01	
Labs Included		33			33			33			33	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Na (SubTestCode 217)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	0.005	-0.273	0.241	0.045	0.234		0.007	-0.106	0.134	0.001	-0.290	0.000
		-0.002	0.001		0.002	0.001		-0.001	0.001		-0.002	0.000
AAUKBK	0.006	-0.080	0.000	0.045	0.220	0.086	0.006	-0.185	0.000	0.001	-0.290	0.000
		-0.001	0.000		0.002	0.001		-0.002	0.000		-0.002	0.000
GZ63WD	0.007	0.000	0.785	0.042	-0.116	0.350	0.009	0.119	0.218	0.003	0.000	0.136
		0.000	0.002		-0.001	0.003		0.001	0.001		0.000	0.001
CJTVUF	0.017	1.391	1.812	0.061	1.730	2.735	0.022	1.667	3.670	0.022	2.393	3.739
		0.010	0.005		0.018	0.020		0.014	0.017		0.019	0.016
GBLMGA	0.004	-0.404	0.000	0.033	-0.929	0.000	0.005	-0.357	0.000	0.000	-0.380	0.014
		-0.003	0.000		-0.010	0.000		-0.003	0.000		-0.003	0.000
2GK3BP	0.010	0.404	0.000	0.043	0.041	0.803	0.010	0.238	0.000	0.010	0.854	0.000
		0.003	0.000		0.000	0.006		0.002	0.000		0.007	0.000
33JQFQ	0.010	0.404	0.000	0.047	0.354	0.803	0.017	1.032	1.260	0.013	1.282	1.360
		0.003	0.000		0.004	0.006		0.009	0.006		0.010	0.006
9JP2MJ	0.047	5.341	4.530	0.090	4.421	2.783	0.067	6.986	3.332	0.030	3.418	2.355
		0.040	0.012		0.047	0.020		0.059	0.015		0.027	0.010
PFR9KY	0.008	0.127	0.256	0.043	0.009	0.278	0.009	0.077	0.193	0.003	0.017	0.083
		0.001	0.001		0.000	0.002		0.001	0.001		0.000	0.000
J42726	0.001	-0.808	0.000	0.029	-1.336	0.080	0.001	-0.834	0.000	0.003	-0.085	0.360
		-0.006	0.000		-0.014	0.001		-0.007	0.000		-0.001	0.002
WGX7VT	0.005	-0.314	0.227	0.037	-0.585	0.803	0.010	0.238	0.000	0.001	-0.299	0.000
		-0.002	0.001		-0.006	0.006		0.002	0.000		-0.002	0.000
RMZ998	0.020	1.750	0.000	0.053	0.979	0.803	0.020	1.429	0.000	0.010	0.854	0.000
		0.013	0.000		0.010	0.006		0.012	0.000		0.007	0.000
LZMPAC	0.010	0.404	0.000	0.050	0.666	0.000	0.010	0.238	0.000	0.010	0.854	0.000
		0.003	0.000		0.007	0.000		0.002	0.000		0.007	0.000
BMDAYP	0.009	0.265	0.702	0.027	-1.492	2.793	0.010	0.198	0.126	0.005	0.179	0.196
		0.002	0.002		-0.016	0.020		0.002	0.001		0.001	0.001
GAPFPH	0.008	0.090	0.227	0.038	-0.491	0.161	0.008	0.000	0.000	0.004	0.085	0.000
		0.001	0.001		-0.005	0.001		0.000	0.000		0.001	0.000
T84DB7	0.006	-0.188	0.478	0.044	0.115	0.226	0.008	0.005	0.053	0.001	-0.298	0.026
		-0.001	0.001		0.001	0.002		0.000	0.000		-0.002	0.000
TNQUE3	0.007	0.004	0.816	0.040	-0.303	0.357	0.007	-0.139	0.025	0.002	-0.201	0.180
		0.000	0.002		-0.003	0.003		-0.001	0.000		-0.002	0.001
2WG8UU	0.009	0.288	0.512	0.042	-0.043	0.201	0.008	-0.043	0.654	0.002	-0.116	0.340
		0.002	0.001		0.000	0.001		0.000	0.003		-0.001	0.001
CPEWRJ	103.288	13,906.043	7,767.262	397.272	37,283.348	1,516.784	107.315	12,777.489	148.009	35.664	4,570.695	1,641.805
		103.281	19.798		397.229	10.902		107.307	0.678		35.661	6.970
XHNEVW	0.005	-0.230	0.208	0.044	0.122	0.100	0.007	-0.102	0.011	0.001	-0.262	0.027
		-0.002	0.001		0.001	0.001		-0.001	0.000		-0.002	0.000



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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					
WYZRCU	0.004	-0.464	0.617	0.038	-0.488		0.006	-0.294	0.142			0.027
		-0.003	0.002		-0.005	0.002		-0.002	0.001			
	0.005	-0.265	0.261	0.035	-0.785		0.006	-0.246	0.112			0.027
		-0.002	0.001		-0.008	0.001		-0.002	0.001			
BHL3GF	0.004	-0.355	0.060	0.040	-0.288		0.006	-0.290	0.045			0.027
		-0.003	0.000		-0.003	0.001		-0.002	0.000			
		0.404	0.000		-0.272	0.000		0.238	0.000		0.010	0.854
MZGWVZ	0.010	0.003	0.000	0.040	-0.003	0.000	0.010	0.002	0.000			0.007
		-0.314	0.023		0.000	0.050		-0.234	0.025		0.001	-0.320
DNM26B	0.005	-0.002	0.000	0.043	0.000	0.000	0.006	-0.002	0.000			0.000
		-0.583	0.227		0.228	0.815		-0.437	0.252		0.002	-0.171
ZZZ3WM	0.003	-0.004	0.001	0.045	0.002	0.006	0.004	-0.004	0.001			0.001
		2.693	0.392		1.793	0.368		2.262	0.436		0.019	2.008
J6NUD7	0.027	0.020	0.001	0.062	0.019	0.003	0.027	0.019	0.002			0.002
		-0.368	0.023		-0.169			-0.218	0.013			0.471
TRP93T	0.004	-0.003	0.000	0.041	-0.002	0.001	0.006	-0.002	0.000			0.471
Grand Median		0.007			0.043			0.008				0.003
Median Abs Dev		0.003			0.003			0.002				0.002
Avg Within Lab SD		0.003			0.007			0.005				0.004
Labs Included		27			27			27				23
Labs Reporting		27			27			27				23



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

AI (SubTestCode 218)	in the Wet Digestion Property Groups									Data units: mg/kg		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	1.7	-2.3	0.0	42.0	-1.1	0.1	34.9	-2.3	0.1	3.2	-1.8	0.1
		-34.6	0.0		-26.5	1.0		-169.1	1.8		-66.3	0.4
AAUKBK	60.8	1.6	0.5	100.1	1.3	0.4	275.8	1.0	0.8	116.0	1.3	0.6
		24.5	3.8		31.6	3.1		71.8	11.8		46.5	3.8
GZ63WD	38.9	0.2	0.7	66.3	-0.1	0.5	173.3	-0.4	0.9	63.9	-0.2	0.9
		2.6	5.2		-2.2	3.9		-30.7	12.8		-5.6	5.1
2GK3BP	56.6	1.3	1.0	92.5	1.0	1.0	251.5	0.6	1.2	104.8	1.0	1.4
		20.3	8.0		24.0	7.2		47.5	17.5		35.3	7.9
33JQFQ	19.3	-1.1	0.4	39.7	-1.2	0.6	105.3	-1.3	0.2	36.3	-0.9	0.6
		-17.0	3.1		-28.8	4.0		-98.7	2.5		-33.2	3.5
J42726	22.3	-0.9	0.4	47.7	-0.8	0.1	262.7	0.8	0.8	86.7	0.5	0.4
		-14.0	3.2		-20.8	0.6		58.7	12.0		17.2	2.3
RMZ998	20.7	-1.0	0.4	48.0	-0.8	0.2	145.3	-0.8	0.1	59.7	-0.3	0.5
		-15.6	2.9		-20.5	1.7		-58.7	1.5		-9.8	3.1
LZMPAC	50.0	0.9	1.7	67.0	-0.1	1.3	161.7	-0.6	1.0	57.0	-0.3	0.6
		13.7	13.5		-1.5	9.5		-42.3	15.0		-12.5	3.6
GAPFPH	36.3	0.0	0.4	68.5	0.0	0.5	241.9	0.5	0.8	80.9	0.3	0.5
		0.0	3.6		0.0	3.9		37.9	11.3		11.4	2.7
T84DB7	42.4	0.4	0.8	105.3	1.5	2.4	352.5	2.0	0.5	133.6	1.8	0.4
		6.1	6.2		36.8	17.3		148.5	8.1		64.1	2.1
2WG8UU	70.5	2.2	2.2	104.5	1.5	1.1	264.9	0.8	2.1	125.3	1.5	2.9
		34.1	17.9		36.0	7.5		60.9	31.2		55.8	17.1
CPEWRJ	39.6	0.2	0.7	77.2	0.3	0.8	238.4	0.5	0.3	84.7	0.4	1.3
		3.3	5.5		8.7	5.6		34.4	4.5		15.2	7.6
XHNEVW	36.7	0.0	0.3	68.5	0.0	0.2	199.4	-0.1	0.3	58.7	-0.3	0.3
		0.3	2.4		0.0	1.2		-4.6	3.9		-10.8	1.5
WYZRCU	27.6	-0.6	1.9	78.2	0.4	0.6	228.0	0.3	2.3	85.1	0.4	0.4
		-8.7	15.1		9.7	4.2		24.0	34.1		15.6	2.2
	38.1	0.1	1.5	72.3	0.2	0.3	204.0	0.0	0.6	75.9	0.2	0.7
		1.8	12.0		3.8	1.9		0.0	8.7		6.4	4.0
BHL3GF	32.3	-0.3	0.1	68.3	0.0	0.4	188.3	-0.2	0.6	60.0	-0.3	0.3
		-4.0	1.2		-0.2	2.9		-15.7	8.5		-9.5	1.7
MZGWVZ	28.8	-0.5	0.6	56.5	-0.5	0.4	142.9	-0.8	0.2	48.8	-0.6	0.5
		-7.5	4.5		-12.0	2.5		-61.1	3.4		-20.7	2.8
DNM26B	34.4	-0.1	0.4	73.4	0.2	0.1	201.7	0.0	0.2	60.0	-0.3	0.2
		-1.9	2.8		4.9	0.8		-2.3	3.2		-9.5	1.2
ZZZ3WM	32.9	-0.2	1.8	22.2	-1.9	2.9	178.4	-0.3	2.3	26.9	-1.2	2.2
		-3.4	14.4		-46.4	20.6		-25.6	34.2		-42.6	13.0
PHEWWY	37.1	0.1		85.4	0.7		210.0	0.1		69.5	0.0	2.2
		0.8	0.0		16.9	0.0		6.0	0.0		0.0	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
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
TRP93T	32.9	-0.2	0.3	88.5	0.8	0.5	268.0	0.9	0.4	92.1	0.6	0.2
		-3.4	2.7		20.0	3.5		64.0	5.3		22.6	1.1
Grand Median		36.3			68.5			204.0			69.5	
Median Abs Dev		6.1			16.9			42.3			15.6	
Avg Within Lab SD		8.0			7.1			15.0			5.8	
Labs Included		21			21			21			21	
Labs Reporting		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
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												
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	7.1	2.0	0.5	44.2	0.3	0.3	34.0	-0.5	0.3	10.7	3.2	0.0
		4.7	0.6		1.8	0.6		-2.7	0.6		6.9	0.0
GZ63WD	2.5	0.1	0.2	38.8	-0.6	0.4	33.2	-0.6	0.1	3.4	-0.2	0.1
		0.3	0.2		-3.6	0.7		-3.5	0.2		-0.4	0.1
CJTVUF	1.6	-0.3	1.5	44.6	0.4	0.6	38.3	0.3	0.3	3.0	-0.4	2.9
		-0.7	1.8		2.3	1.1		1.5	0.6		-0.8	2.3
83L8FJ	1.7	-0.3	0.0	39.0	-0.6	0.3	33.5	-0.6	0.2	3.2	-0.3	0.2
		-0.7	0.0		-3.3	0.6		-3.3	0.4		-0.6	0.1
GBLMGA	3.5	0.5	0.0	30.5	-2.0	0.3	29.3	-1.4	0.2	4.1	0.1	0.3
		1.2	0.1		-11.9	0.5		-7.5	0.4		0.3	0.2
2GK3BP	8.7	2.7	3.8	47.0	0.8	1.5	44.5	1.4	2.8	6.1	1.1	0.9
		6.4	4.5		4.7	2.8		7.8	6.1		2.3	0.7
33JQFQ	2.7	0.1	0.5	40.3	-0.3		34.7	-0.4	0.7	4.0	0.1	0.9
		0.3	0.6		-2.0	1.2		-2.1	1.5		0.2	0.0
9JP2MJ	3.6	0.5	0.5	41.7	-0.1	0.8	37.1	0.1	0.6	4.6	0.4	0.5
		1.2	0.6		-0.6	1.4		0.3	1.3		0.8	0.4
PFR9KY	0.0	-1.0	0.0	42.0	-0.1	1.5	37.7	0.2	1.0	2.5	-0.6	0.2
		-2.4	0.0		-0.3	2.7		1.0	2.2		-1.3	0.1
J42726	2.0	-0.2		42.7	0.1		38.3	0.3	0.3	4.0	0.1	0.2
		-0.4	0.0		0.3	0.6		1.6	0.6		0.2	0.0
WGX7VT	3.4	0.4	0.0	46.7	0.7	0.3	38.8	0.4	0.2	5.4	0.7	0.0
		1.0	0.0		4.4	0.5		2.1	0.4		1.6	0.0
RMZ998	0.4	-0.8	0.2	27.3	-2.5	0.8	24.0	-2.3	0.5	1.1	-1.2	0.4
		-2.0	0.3		-15.0	1.5		-12.7	1.0		-2.7	0.3
LZMPAC	1.0	-0.6		47.0	0.8	0.5	41.7	0.9	0.3	2.3	-0.7	0.7
		-1.4	0.0		4.7	1.0		4.9	0.6		-1.5	0.6
BMDAYP	0.1	-1.0	0.0	29.7	-2.1	0.8	25.3	-2.1	0.7	1.6	-1.0	0.5
		-2.3	0.0		-12.7	1.5		-11.4	1.5		-2.2	0.4
GAPFPH				33.0	-1.6		29.5	-1.3	0.8			0.5
					-9.4	1.7		-7.2	1.6			
T84DB7	3.5	0.5	0.3	46.2	0.6	0.5	43.0	1.1	0.4	5.2	0.7	0.3
		1.1	0.3		3.9	0.9		6.3	0.9		1.5	0.2
PWWNK7	5.0	1.1		45.0	0.4		39.0	0.4		6.0	1.0	0.3
		2.6	0.0		2.7	0.0		2.3	0.0		2.2	0.0
2WG8UU	17.3	6.3	5.1	49.1	1.1	1.8	46.4	1.8	1.2	15.6	5.4	3.6
		15.0	6.1		6.8	3.4		9.6	2.7		11.8	2.8
8CMGZN	2.4	0.0	0.0	42.9	0.1	0.3	37.7	0.2	0.3	1.3	-1.1	0.2
		0.0	0.0		0.5	0.6		1.0	0.6		-2.4	0.1
CPEWRJ	1.4	-0.4	0.1	41.8	-0.1	1.0	36.4	-0.1	0.1	2.1	-0.8	0.5
		-1.0	0.1		-0.5	1.9		-0.3	0.3		-1.7	0.4



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
VBVLAX	1.3	-0.4	0.5	43.1	0.1	1.3	35.3	-0.3	1.8	3.3	-0.2	0.7
		-1.0	0.6		0.8	2.3		-1.5	4.0		-0.5	0.6
AM2DUK	1.8	-0.2	0.3	42.0	-0.1	1.1	37.0	0.1	1.3	3.8	0.0	0.6
		-0.5	0.3		-0.4	2.0		0.3	2.8		0.0	0.4
XHNEVW	1.9	-0.2	0.1	46.6	0.7	0.0	40.4	0.7	0.3	3.6	-0.1	0.1
		-0.4	0.1		4.2	0.1		3.7	0.6		-0.2	0.1
WYZRCU	1.4	-0.4	0.7	41.1	-0.2	0.5	33.3	-0.6	0.8	3.3	-0.2	0.3
		-1.0	0.8		-1.2	0.9		-3.4	1.8		-0.5	0.3
	2.4	0.0	0.1	44.3	0.3	0.8	38.1	0.2	0.6	4.7	0.4	1.0
		0.0	0.2		2.0	1.4		1.3	1.2		0.9	0.8
BHL3GF				39.9	-0.4	0.3	35.3	-0.3	0.9	3.8	0.0	0.1
					-2.5	0.6		-1.4	2.1		0.0	0.1
MZGWVZ	3.6	0.5	1.5	49.1	1.1	0.7	35.3	-0.3	0.4	2.8	-0.5	0.4
		1.2	1.8		6.8	1.2		-1.4	0.8		-1.0	0.3
DNM26B	2.4	0.0	0.1	43.0	0.1	0.6	38.2	0.3	0.3	4.2	0.2	0.0
		0.1	0.1		0.7	1.2		1.5	0.7		0.4	0.0
6K828H	1.3	-0.5	0.4	38.8	-0.6	0.6	33.9	-0.5	0.5	3.1	-0.3	0.8
		-1.1	0.5		-3.5	1.1		-2.8	1.1		-0.7	0.6
ZZZ3WM	10.4	3.4	2.8	36.0	-1.1	4.0	27.6	-1.7	3.5	10.2	2.9	3.9
		8.0	3.4		-6.3	7.4		-9.1	7.6		6.4	3.0
PHEWWY				54.5	2.0		45.2	1.5				3.9
					12.2	0.0		8.5	0.0			
J6NUD7	6.0	1.5	0.1	40.1	-0.4	0.1	34.7	-0.4	0.5	7.9	1.9	0.8
		3.6	0.1		-2.2	0.3		-2.0	1.2		4.1	0.6
TRP93T	2.2	-0.1	0.1	44.4	0.3	0.8	39.1	0.4	0.3	4.0	0.1	0.1
		-0.1	0.1		2.0	1.5		2.4	0.6		0.2	0.1
Grand Median		2.37			42.3			36.7			3.79	
Median Abs Dev		1.04			2.6			2.3			0.85	
Avg Within Lab SD		1.19			1.8			2.2			0.78	
Labs Included		29			32			32			30	
Labs Reporting		29			32			32			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		

Zn (SubTestCode 220) Data units: mg/kg												
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	13.6	0.8	0.7	72.9	1.4	0.2	64.4	1.3	0.0	27.8	1.1	0.1
		3.1	0.8		14.0	0.4		12.8	0.0		5.4	0.3
AAUKBK	11.2	0.2	0.2	65.7	0.7	0.1	54.7	0.3	0.4	23.1	0.1	0.3
		0.7	0.2		6.8	0.1		3.1	1.2		0.7	0.6
GZ63WD	9.6	-0.2	0.7	57.7	-0.1	0.2	51.5	0.0	0.0	21.6	-0.2	0.2
		-0.9	0.8		-1.2	0.5		-0.2	0.1		-0.8	0.3
CJTVUF	14.2	0.9	1.1	76.2	1.8	1.5	66.5	1.5	1.4	31.9	2.0	2.0
		3.7	1.1		17.3	3.5		14.8	3.8		9.5	4.2
83L8FJ	12.0	0.4	0.9	60.3	0.1	0.3	53.7	0.2	0.7	23.2	0.1	0.4
		1.5	1.0		1.4	0.6		2.1	2.1		0.7	0.8
GBLMGA	5.8	-1.2	0.1	29.8	-3.0	0.2	28.5	-2.3	0.3	12.9	-2.0	0.0
		-4.7	0.1		-29.2	0.4		-23.1	0.9		-9.6	0.0
2GK3BP	10.3	0.0	0.4	59.6	0.1	0.5	51.6	0.0	1.2	24.2	0.4	0.5
		-0.2	0.4		0.7	1.1		-0.1	3.5		1.7	1.2
33JQFQ	10.7	0.0	0.5	57.3	-0.2	1.4	49.7	-0.2	0.4	22.3	0.0	0.7
		0.2	0.6		-1.6	3.2		-2.0	1.2		-0.1	1.5
9JP2MJ	24.5	3.6	1.0	88.0	3.0	0.6	80.1	2.9	1.5	28.2	1.2	1.1
		14.0	1.1		29.1	1.3		28.5	4.2		5.8	2.4
PFR9KY	8.8	-0.5	0.6	58.0	-0.1	1.7	54.6	0.3	1.3	24.2	0.4	1.3
		-1.8	0.7		-0.9	3.8		3.0	3.6		1.8	2.9
J42726	9.7	-0.2	0.5	57.0	-0.2		51.7	0.0	0.4	22.3	0.0	0.3
		-0.9	0.6		-1.9	0.0		0.1	1.2		-0.1	0.6
WGX7VT	9.4	-0.3	0.0	60.8	0.2	0.1	51.1	-0.1	0.2	21.6	-0.2	0.2
		-1.1	0.0		1.9	0.2		-0.6	0.5		-0.8	0.4
RMZ998	9.3	-0.3	1.1	54.3	-0.5	1.1	49.0	-0.3	0.7	22.3	0.0	0.5
		-1.2	1.2		-4.6	2.5		-2.6	2.0		-0.1	1.2
LZMPAC	11.0	0.1	0.9	62.0	0.3	0.8	53.7	0.2	0.2	23.7	0.3	0.7
		0.5	1.0		3.1	1.7		2.1	0.6		1.2	1.5
BMDAYP	7.8	-0.7	1.8	46.7	-1.3	0.7	42.3	-0.9	0.9	19.3	-0.6	0.5
		-2.7	1.9		-12.2	1.5		-9.3	2.5		-3.1	1.2
GAPFPH	14.5	1.0	0.3	59.1	0.0	0.6	55.2	0.4	0.9	25.2	0.6	0.5
		4.0	0.3		0.2	1.4		3.6	2.6		2.8	1.1
T84DB7	15.2	1.2	0.2	74.2	1.6	1.5	71.6	2.0	0.3	30.4	1.6	1.1
		4.7	0.2		15.3	3.4		20.0	0.7		8.0	2.3
PWWNK7	12.0	0.4		62.0	0.3		53.0	0.1		24.0	0.3	1.1
		1.5	0.0		3.1	0.0		1.4	0.0		1.6	0.0
2WG8UU	11.8	0.3	2.7	57.5	-0.1	0.3	54.2	0.3	1.4	25.4	0.6	1.7
		1.3	3.0		-1.4	0.6		2.6	4.0		3.0	3.7
8CMGZN	8.3	-0.6	0.2	53.8	-0.5	0.1	46.6	-0.5	0.2	19.2	-0.7	0.1
		-2.2	0.2		-5.1	0.2		-5.0	0.7		-3.3	0.2



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
CPEWRJ	6.1	-1.1	0.9	64.9	0.6	1.2	55.7	0.4	0.2	20.3	-0.4	1.0
		-4.4	1.0		6.0	2.7		4.1	0.6		-2.1	2.1
VBVLAX	11.7	0.3	0.8	63.7	0.5	1.6	54.1	0.3	1.9	25.7	0.7	0.9
		1.2	0.8		4.8	3.6		2.5	5.5		3.2	1.9
AM2DUK	23.4	3.3	1.7	69.5	1.1	0.2	68.2	1.7	1.4	33.4	2.3	3.1
		12.9	1.9		10.6	0.4		16.6	3.9		11.0	6.7
XHNEVW	12.8	0.6	0.6	66.2	0.8	0.1	58.4	0.7	0.4	24.8	0.5	0.1
		2.3	0.7		7.3	0.3		6.8	1.2		2.4	0.2
WYZRCU	6.6	-1.0	3.0	57.8	-0.1	0.5	47.0	-0.5	1.1	19.8	-0.6	0.4
		-3.9	3.2		-1.1	1.2		-4.7	3.1		-2.7	0.8
	11.1	0.1	0.4	50.3	-0.9	0.5	45.7	-0.6	0.4	20.3	-0.4	0.7
		0.6	0.5		-8.6	1.1		-5.9	1.1		-2.1	1.4
BHL3GF	9.5	-0.3	0.4	57.3	-0.2	0.9	47.2	-0.5	0.4	19.8	-0.6	0.1
		-1.0	0.4		-1.6	2.0		-4.5	1.0		-2.7	0.3
MZGWVZ	11.3	0.2	0.3	52.0	-0.7	0.5	40.2	-1.2	0.4	19.0	-0.7	0.3
		0.7	0.3		-7.0	1.2		-11.4	1.2		-3.4	0.7
DNM26B	10.4	0.0	0.1	58.7	0.0	0.2	50.6	-0.1	0.5	22.5	0.0	0.2
		-0.2	0.1		-0.2	0.5		-1.0	1.4		0.1	0.4
6K828H	9.1	-0.4	0.4	59.4	0.1	0.5	51.0	-0.1	0.4	21.9	-0.1	0.0
		-1.5	0.4		0.5	1.1		-0.7	1.2		-0.5	0.1
ZZZ3WM	5.4	-1.3	1.4	54.5	-0.5	3.9	44.0	-0.8	3.6	8.7	-2.8	2.9
		-5.1	1.6		-4.5	8.7		-7.6	10.3		-13.7	6.1
		1.0			1.5			2.2			1.0	2.9
PHEWWY	14.6	4.1	0.0	73.5	14.6	0.0	73.2	21.6	0.0	27.3	4.9	0.0
		-0.1	0.2		-0.3	0.5		-0.2	0.4		-0.1	0.1
J6NUD7	10.2	-0.3	0.2	55.5	-3.4	1.2	49.9	-1.7	1.3	21.8	-0.7	0.2
		-0.3	0.2		-0.2	0.4		-0.1	0.2		-0.3	0.2
TRP93T	9.3	-1.3	0.3	57.2	-1.7	0.9	50.6	-1.1	0.7	20.8	-1.6	0.4
Grand Median		10.5			58.9			51.6			22.4	
Median Abs Dev		1.5			3.9			3.3			2.2	
Avg Within Lab SD		1.1			2.3			2.8			2.1	
Labs Included		34			34			34			34	
Labs Reporting		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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	6.3	1.1	0.5	103.0	0.6	0.7	64.9	0.6	0.4	44.6	0.3	0.5
		1.1	0.4		6.8	1.9		5.0	1.1		1.7	0.7
AAUKBK	5.8	0.6	0.3	105.7	0.8	0.4	63.4	0.5	0.3	44.1	0.2	0.7
		0.6	0.2		9.5	1.1		3.6	0.8		1.3	1.0
GZ63WD	4.0	-1.2	1.4	94.7	-0.1	0.8	59.8	0.0	0.8	40.4	-0.5	1.0
		-1.2	1.1		-1.5	2.3		-0.1	2.0		-2.5	1.5
CJTVUF	6.2	1.0	0.9	112.5	1.4	2.4	69.0	1.2	1.6	49.2	1.2	1.6
		1.0	0.7		16.3	6.8		9.1	4.2		6.4	2.4
83L8FJ	5.9	0.7	1.1	95.3	-0.1	0.2	60.7	0.1	0.6	43.3	0.1	1.0
		0.7	0.9		-0.9	0.6		0.8	1.5		0.5	1.5
GBLMGA	4.9	-0.3	0.1	75.5	-1.8	0.0	47.9	-1.5	0.4	37.4	-1.0	0.2
		-0.3	0.1		-20.7	0.1		-11.9	1.0		-5.5	0.4
2GK3BP	5.8	0.6	1.3	95.4	-0.1	0.4	62.1	0.3	0.7	43.8	0.2	0.8
		0.6	1.1		-0.8	1.2		2.3	1.8		0.9	1.2
33JQFQ	6.0	0.8	1.2	93.3	-0.3	0.5	59.7	0.0	0.6	40.7	-0.4	0.4
		0.8	1.0		-2.9	1.5		-0.2	1.5		-2.2	0.6
9JP2MJ	6.1	0.9	0.2	111.6	1.3	0.6	68.4	1.1	0.7	38.8	-0.7	0.4
		0.9	0.2		15.3	1.8		8.5	1.9		-4.0	0.7
PFR9KY	0.0	-5.2	0.0	76.0	-1.8	2.5	35.4	-3.2	1.1	18.2	-4.6	1.6
		-5.2	0.0		-20.2	7.2		-24.4	2.9		-24.6	2.4
J42726	4.7	-0.5	0.7	90.3	-0.5	0.2	57.7	-0.3	0.4	39.7	-0.6	1.0
		-0.5	0.6		-5.9	0.6		-2.2	1.2		-3.2	1.5
WGX7VT	4.7	-0.5	0.0	99.0	0.2	0.4	64.1	0.5	0.2	43.5	0.1	0.3
		-0.5	0.0		2.8	1.0		4.2	0.5		0.7	0.4
RMZ998	5.0	-0.2		98.7	0.2	2.2	61.3	0.2	0.8	44.0	0.2	1.3
		-0.2	0.0		2.4	6.4		1.5	2.1		1.2	2.0
LZMPAC	6.7	1.5	0.7	107.7	1.0	0.4	69.7	1.3	0.8	46.3	0.7	1.0
		1.5	0.6		11.4	1.2		9.8	2.1		3.5	1.5
BMDAYP	5.5	0.3	0.2	83.3	-1.1	1.0	51.7	-1.1	0.6	37.3	-1.0	1.9
		0.3	0.2		-12.9	2.9		-8.2	1.5		-5.5	2.9
GAPFPH	4.9	-0.3	0.2	83.3	-1.1	1.5	56.6	-0.4	1.0	44.2	0.3	1.1
		-0.3	0.1		-12.9	4.3		-3.2	2.6		1.4	1.6
T84DB7	6.6	1.4	0.2	122.1	2.2	0.7	81.7	2.8	0.0	58.2	2.9	0.7
		1.4	0.2		25.9	2.1		21.8	0.1		15.4	1.0
PWWNK7				81.0	-1.3		41.0	-2.4		23.0	-3.7	0.7
					-15.2	0.0		-18.8	0.0		-19.8	0.0
2WG8UU	5.1	-0.1	0.2	94.7	-0.1	1.2	59.7	0.0	1.1	40.8	-0.4	1.3
		-0.1	0.2		-1.5	3.4		-0.2	3.0		-2.0	2.0
8CMGZN	4.6	-0.6	0.1	87.8	-0.7	0.4	55.4	-0.6	0.4	38.6	-0.8	0.6
		-0.6	0.1		-8.4	1.1		-4.5	1.1		-4.3	0.9



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
CPEWRJ	5.4	0.3	1.3	93.4	-0.2	1.7	58.5	-0.2	0.2	40.8	-0.4	2.6
		0.3	1.1		-2.8	4.7		-1.4	0.6		-2.1	3.8
VBVLAX	5.3	0.1	0.4	99.6	0.3	1.8	61.2	0.2	3.3	44.3	0.3	1.5
		0.1	0.3		3.3	5.1		1.4	8.5		1.5	2.3
AM2DUK	4.7	-0.5	0.1	97.1	0.1	1.7	62.4	0.3	0.9	43.5	0.1	1.2
		-0.5	0.1		0.9	4.9		2.6	2.3		0.7	1.8
XHNEVW	5.6	0.5	0.3	111.4	1.3	0.1	69.3	1.2	0.2	47.0	0.8	0.5
		0.5	0.2		15.1	0.3		9.4	0.4		4.2	0.7
WYZRCU	3.7	-1.5	2.2	106.3	0.9	0.7	59.8	0.0	2.6	42.8	0.0	0.1
		-1.5	1.8		10.1	2.1		0.0	6.9		0.0	0.2
	5.3	0.1	0.6	96.2	0.0	0.5	59.2	-0.1	0.2	43.4	0.1	0.3
		0.1	0.5		0.0	1.5		-0.6	0.6		0.6	0.4
BHL3GF	4.7	-0.5	0.2	97.6	0.1	1.4	58.4	-0.2	0.7	40.0	-0.5	0.5
		-0.5	0.2		1.3	3.9		-1.5	1.9		-2.9	0.7
MZGWVZ	4.5	-0.7	0.4	89.5	-0.6	0.7	47.7	-1.6	0.4	37.5	-1.0	0.6
		-0.7	0.4		-6.8	1.9		-12.1	1.1		-5.3	0.8
DNM26B	5.7	0.5	0.2	106.7	0.9	0.2	65.0	0.7	1.0	43.4	0.1	0.4
		0.5	0.1		10.4	0.6		5.1	2.5		0.5	0.7
6K828H	3.4	-1.8	0.7	95.5	-0.1	0.1	58.7	-0.1	0.2	38.5	-0.8	0.6
		-1.8	0.6		-0.7	0.3		-1.1	0.5		-4.3	0.9
ZZZ3WM	4.3	-0.9	3.9	95.5	-0.1	1.1	54.7	-0.7	1.4	34.6	-1.5	1.8
		-0.9	3.2		-0.7	3.1		-5.1	3.7		-8.2	2.7
PHEWWY	6.1	0.9		121.0	2.2		71.2	1.5		49.8	1.3	1.8
		0.9	0.0		24.8	0.0		11.4	0.0		7.0	0.0
J6NUD7	5.3	0.1	0.1	98.0	0.1	0.9	61.9	0.3	1.1	43.3	0.1	0.4
		0.1	0.1		1.7	2.5		2.0	2.8		0.5	0.5
TRP93T	4.8	-0.4	0.3	99.7	0.3	0.5	62.1	0.3	0.3	42.5	-0.1	0.2
		-0.4	0.2		3.4	1.5		2.3	0.8		-0.3	0.4
Grand Median		5.19			96.2			59.8			42.8	
Median Abs Dev		0.57			5.9			3.2			2.2	
Avg Within Lab SD		0.82			2.8			2.6			1.5	
Labs Included		32			33			33			33	
Labs Reporting		32			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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Fe (SubTestCode 222) Data units: mg/kg												
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
YAA32W	47.4	-0.5	0.1	127.3	0.0	0.2	255.4	0.3	0.4	198.1	-0.1	0.1
		-8.6	0.6		0.3	1.1		10.9	5.7	198.1	-1.8	0.8
AAUKBK	86.5	1.7	0.1	147.5	0.9	0.4	274.7	0.7	0.3	251.3	1.7	1.1
		30.5	1.1		20.5	2.8		30.2	3.8		51.5	14.5
GZ63WD	60.6	0.3	1.8	121.0	-0.3	0.4	226.9	-0.4	0.2	194.6	-0.2	0.4
		4.6	15.5		-6.0	3.1		-17.6	2.7		-5.3	5.7
CJTVUF	70.2	0.8	2.0	163.5	1.6	0.8	321.7	1.8	0.9	251.2	1.7	1.7
		14.3	17.3		36.5	5.9		77.2	12.4		51.4	22.7
83L8FJ	71.2	0.8	0.5	146.3	0.9	0.4	242.7	0.0	0.4	209.7	0.3	0.3
		15.2	4.7		19.4	3.1		-1.8	5.5		9.8	3.5
GBLMGA	47.5	-0.5	0.3	100.6	-1.2	0.3	192.2	-1.2	0.1	176.8	-0.7	0.1
		-8.5	2.7		-26.4	2.4		-52.3	2.0		-23.0	1.3
2GK3BP	98.5	2.4	1.9	141.5	0.6	2.3	262.0	0.4	1.7	229.1	0.9	0.9
		42.6	16.2		14.5	17.1		17.5	23.8		29.3	12.4
33JQFQ	58.3	0.1	0.4	117.7	-0.4	1.4	195.0	-1.2	0.1	175.3	-0.8	0.5
		2.4	3.8		-9.3	10.3		-49.5	1.7		-24.5	6.8
9JP2MJ	96.1	2.2	1.5	187.3	2.6	1.0	282.5	0.9	0.5	201.6	0.1	0.7
		40.2	13.3		60.3	7.5		38.0	6.4		1.8	9.1
PFR9KY	26.1	-1.7	0.5	108.8	-0.8	1.8	233.7	-0.3	0.5	193.3	-0.2	0.3
		-29.9	4.2		-18.2	13.1		-10.8	7.1		-6.5	4.2
J42726	45.0	-0.6	0.5	126.7	0.0	0.1	263.7	0.5	0.5	211.3	0.4	0.2
		-11.0	4.6		-0.3	0.6		19.2	6.7		11.5	3.2
WGX7VT	44.3	-0.6	0.0	129.0	0.1	0.1	257.0	0.3	0.1	205.0	0.2	0.1
		-11.7	0.1		2.0	1.0		12.5	1.0		5.2	1.0
RMZ998	43.0	-0.7	0.4	118.0	-0.4	0.8	228.7	-0.4	0.6	221.3	0.7	0.7
		-13.0	3.5		-9.0	6.1		-15.8	8.7		21.5	9.2
LZMPAC	62.7	0.4	2.1	112.0	-0.7	0.4	203.3	-1.0	0.4	205.0	0.2	1.2
		6.7	18.2		-15.0	3.0		-41.2	5.5		5.2	16.1
BMDAYP	50.0	-0.3	0.6	91.3	-1.6	0.3	160.0	-2.0		160.7	-1.3	0.7
		-6.0	5.0		-35.6	2.1		-84.5	0.0		-39.2	9.3
GAPFPH	50.7	-0.3	0.1	120.5	-0.3	0.6	246.4	0.0	0.6	208.6	0.3	0.6
		-5.3	0.6		-6.4	4.3		1.8	8.9		8.7	8.3
T84DB7	70.9	0.8	1.2	169.4	1.9	0.7	362.0	2.8	1.0	292.8	3.0	0.5
		14.9	10.7		42.5	5.3		117.4	14.1		93.0	7.0
PWWNK7	42.0	-0.8		105.0	-1.0		220.0	-0.6		196.0	-0.1	0.5
		-14.0	0.0		-22.0	0.0		-24.5	0.0		-3.8	0.0
2WG8UU	67.4	0.6	1.4	129.8	0.1	0.7	252.1	0.2	1.6	206.2	0.2	2.6
		11.4	12.2		2.8	5.1		7.6	22.0		6.3	34.5
8CMGZN	58.3	0.1	0.2	130.9	0.2	0.2	234.5	-0.2	0.4	194.1	-0.2	0.2
		2.3	1.6		3.9	1.6		-10.0	5.4		-5.8	3.0



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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					
CPEWRJ	65.8	0.5	1.1	131.3	0.2	1.0	257.6	0.3	0.3	211.8	0.4	1.6
		9.8	9.7		4.4	7.0		13.1	4.2		12.0	20.6
VBVLAX	58.9	0.2	0.5	132.0	0.2	0.9	262.0	0.4	1.5	232.0	1.0	0.7
		2.9	4.2		5.0	6.6		17.5	21.3		32.2	8.7
AM2DUK	24.4	-1.7	0.4	65.0	-2.7	0.6	132.3	-2.6	0.2	110.7	-2.9	0.5
		-31.6	3.8		-61.9	4.4		-112.2	2.5		-89.2	6.1
XHNEVW	61.6	0.3	0.4	132.3	0.2	1.2	250.4	0.1	0.1	189.0	-0.4	0.4
		5.6	3.2		5.4	8.5		5.9	1.6		-10.8	5.6
WYZRCU	36.7	-1.1	2.2	114.8	-0.5	1.9	221.3	-0.5	3.7	195.0	-0.2	0.2
		-19.3	19.2		-12.2	14.1		-23.2	51.7		-4.8	3.0
	62.9	0.4	1.5	121.7	-0.2	0.2	233.0	-0.3	0.5	218.3	0.6	2.8
		6.9	13.3		-5.3	1.5		-11.5	6.9		18.5	37.0
BHL3GF	50.4	-0.3	0.3	122.7	-0.2	0.3	231.3	-0.3	0.5	180.0	-0.6	0.5
		-5.5	2.5		-4.3	2.3		-13.2	7.6		-19.8	6.1
MZGWVZ	53.7	-0.1	1.4	106.1	-0.9	0.3	180.9	-1.5	0.4	163.0	-1.2	0.5
		-2.3	11.9		-20.9	2.3		-63.6	5.6		-36.9	7.2
DNM26B	50.0	-0.3	0.3	129.3	0.1	0.2	241.3	-0.1	0.4	176.7	-0.7	0.1
		-6.0	3.0		2.4	1.2		-3.2	5.7		-23.2	1.2
6K828H	49.0	-0.4	0.4	130.4	0.2	0.1	251.9	0.2	0.3	190.0	-0.3	0.4
		-7.0	3.2		3.4	1.1		7.4	3.6		-9.8	5.8
ZZZ3WM	47.6	-0.5	0.1	118.8	-0.4	3.3	247.1	0.1	2.4	187.9	-0.4	2.2
		-8.4	0.9		-8.2	23.9		2.5	33.5		-12.0	29.3
PHEWWY	58.7	0.2		148.0	0.9		268.0	0.6		211.0	0.4	2.2
		2.7	0.0		21.0	0.0		23.5	0.0		11.2	0.0
J6NUD7	59.7	0.2	0.3	118.7	-0.4	0.5	231.2	-0.3	0.8	186.9	-0.4	0.3
		3.8	3.0		-8.3	3.8		-13.3	11.3		-13.0	4.6
TRP93T	46.7	-0.5	0.5	135.7	0.4	0.6	267.3	0.5	0.5	210.7	0.3	0.6
		-9.3	4.0		8.7	4.0		22.8	6.4		10.8	8.3
Grand Median		56.0			127.0			244.5			199.8	
Median Abs Dev		8.5			8.8			17.5			11.7	
Avg Within Lab SD		8.7			7.3			13.8			13.1	
Labs Included		34			34			34			34	
Labs Reporting		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
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
	SRBSRB1601			SRBSRB1602			SRBSRB1603						
YAA32W	3.7	0.6	0.7	13.1	0.6	0.4	57.9	0.8	0.2	9.8	0.4	0.4	
		0.5	0.4		1.1	0.4		5.6	0.8		0.7	0.3	
AAUKBK	3.2	0.0	0.4	14.2	1.2	0.1	57.6	0.8	0.2	9.6	0.3	0.6	
		0.0	0.2		2.1	0.1		5.3	0.8		0.5	0.5	
GZ63WD	2.9	-0.3	0.5	10.3	-0.9	1.5	51.4	-0.1	0.7	8.8	-0.2	0.5	
		-0.3	0.3		-1.7	1.5		-0.9	2.9		-0.4	0.4	
CJTVUF	3.5	0.3	0.5	13.5	0.8	0.7	58.0	0.8	0.4	10.5	0.8	0.9	
		0.3	0.3		1.5	0.7		5.7	1.7		1.4	0.7	
83L8FJ	2.9	-0.3	0.1	12.2	0.1	0.2	51.8	-0.1	0.3	9.1	0.0	0.2	
		-0.3	0.1		0.2	0.2		-0.5	1.5		0.0	0.2	
GBLMGA	1.7	-1.6	0.3	8.9	-1.7	0.1	45.2	-1.0	0.6	7.5	-1.0	0.2	
		-1.4	0.1		-3.1	0.1		-7.2	2.5		-1.7	0.1	
2GK3BP	3.7	0.6	0.3	12.2	0.1	0.2	52.8	0.1	0.9	9.7	0.4	0.2	
		0.6	0.2		0.1	0.2		0.5	4.0		0.6	0.1	
33JQFQ	4.0	0.9		13.3	0.7	0.6	48.3	-0.6	0.3	10.3	0.7	0.7	
		0.8	0.0		1.3	0.6		-4.0	1.5		1.2	0.6	
9JP2MJ	2.4	-0.9	0.1	14.5	1.3	2.0	44.8	-1.1	4.4	8.5	-0.4	0.3	
		-0.8	0.1		2.5	2.0		-7.5	19.3		-0.7	0.2	
PFR9KY	3.5	0.4	0.9	11.6	-0.3	1.6	53.4	0.2	0.6	8.5	-0.4	0.7	
		0.3	0.5		-0.5	1.7		1.1	2.7		-0.6	0.5	
J42726	3.0	-0.2		12.0	0.0		53.7	0.2	0.1	9.0	-0.1	0.7	
		-0.2	0.0		-0.1	0.0		1.4	0.6		-0.2	0.0	
WGX7VT	3.4	0.3	0.0	14.2	1.2	0.1	55.2	0.4	0.2	10.9	1.0	0.2	
		0.3	0.0		2.2	0.1		2.9	0.8		1.7	0.2	
RMZ998	3.3	0.2	1.0	11.7	-0.2		49.3	-0.4	0.6	10.0	0.5	0.2	
		0.2	0.6		-0.4	1.2		-3.0	2.5		0.8	0.0	
LZMPAC	3.3	0.2	1.0	12.0	0.0		68.0	2.2	0.6	10.0	0.5	0.2	
		0.2	0.6		-0.1	0.0		15.7	2.6		0.8	0.0	
BMDAYP	3.8	0.6	0.5	12.3	0.1	0.6	46.0	-0.9	0.6	9.2	0.0	1.2	
		0.6	0.3		0.3	0.6		-6.3	2.6		0.0	0.9	
GAPFPH	3.8	0.6	0.1	11.3	-0.4	0.4	50.8	-0.2	0.6	9.4	0.2	0.1	
		0.6	0.1		-0.7	0.4		-1.5	2.5		0.3	0.1	
T84DB7	3.9	0.7	1.4	13.5	0.8	0.2	58.7	0.9	0.1	10.7	0.9	1.1	
		0.7	0.8		1.4	0.2		6.4	0.2		1.5	0.8	
PWWNK7	2.0	-1.3		13.0	0.5		59.0	0.9		12.0	1.7	1.1	
		-1.2	0.0		0.9	0.0		6.7	0.0		2.8	0.0	
2WG8UU	4.5	1.4	1.7	11.9	-0.1	0.7	52.9	0.1	0.5	8.8	-0.2	1.1	
		1.3	0.9		-0.2	0.7		0.6	2.3		-0.3	0.9	
8CMGZN	1.7	-1.6	0.1	7.8	-2.3	0.2	36.3	-2.3	0.2	5.4	-2.3	0.2	
		-1.5	0.1		-4.3	0.2		-16.0	1.1		-3.8	0.1	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
CPEWRJ	3.3	0.1	0.5	14.4	1.3	0.5	56.9	0.6	0.1	10.4	0.7	1.1
		0.1	0.3		2.4	0.5		4.6	0.7		1.2	0.9
VBVLAX	2.7	-0.6	0.5	11.5	-0.3	1.0	48.7	-0.5	1.3	9.2	0.0	1.1
		-0.5	0.3		-0.6	1.0		-3.6	5.7		0.0	0.8
AM2DUK	3.4	0.2	0.3	12.2	0.1	0.6	57.7	0.8	2.2	9.8	0.4	0.7
		0.2	0.2		0.1	0.6		5.4	9.5		0.6	0.6
XHNEVW	3.2	0.0	0.6	13.9	1.0	0.3	58.8	0.9	0.2	10.1	0.6	0.2
		0.0	0.3		1.8	0.3		6.5	0.7		0.9	0.2
WYZRCU	1.9	-1.3	1.6	12.1	0.0	0.8	50.3	-0.3	0.8	8.6	-0.4	0.1
		-1.3	0.9		0.1	0.8		-2.0	3.7		-0.6	0.0
	2.7	-0.5	0.3	10.4	-0.9	0.3	44.7	-1.1	0.1	8.3	-0.5	0.6
		-0.5	0.1		-1.7	0.3		-7.6	0.5		-0.8	0.5
BHL3GF	2.6	-0.6	0.1	11.7	-0.2	0.4	48.4	-0.6	0.2	8.3	-0.5	0.1
		-0.6	0.1		-0.4	0.4		-3.9	1.0		-0.8	0.1
MZGWVZ	1.8	-1.5	0.3	11.5	-0.3	0.7	44.8	-1.1	0.2	7.2	-1.2	0.6
		-1.4	0.2		-0.5	0.7		-7.6	1.0		-2.0	0.5
DNM26B	2.7	-0.5	0.2	11.7	-0.2	0.1	50.3	-0.3	0.6	8.8	-0.2	0.1
		-0.5	0.1		-0.3	0.1		-2.0	2.6		-0.4	0.1
6K828H	3.6	0.5	0.9	14.0	1.1	0.3	47.6	-0.7	0.4	10.8	1.0	0.4
		0.4	0.5		1.9	0.3		-4.7	1.7		1.6	0.3
ZZZ3WM	5.4	2.4	4.4	9.9	-1.2	4.3	53.8	0.2	1.4	4.4	-2.9	4.8
		2.2	2.4		-2.2	4.4		1.4	6.3		-4.7	3.8
					2.3			1.3			1.6	4.8
PHEWWY				16.3	4.2	0.0	61.6	9.3	0.0	11.8	2.6	0.0
		-0.6	0.3		-0.2	0.3		0.4	0.8		-0.3	0.1
J6NUD7	2.6	-0.5	0.2	11.6	-0.4	0.3	55.0	2.7	3.6	8.7	-0.5	0.1
		-0.6	0.1		-0.4	0.1		-0.3	0.3		-0.3	0.1
TRP93T	2.6	-0.6	0.1	11.4	-0.7	0.1	50.0	-2.3	1.2	8.7	-0.5	0.0
		-0.6	0.1		-0.7	0.1		-2.3	1.2		-0.5	0.0
Grand Median		3.18			12.1			52.3			9.17	
Median Abs Dev		0.52			0.8			4.3			0.77	
Avg Within Lab SD		0.56			1.0			4.4			0.78	
Labs Included		33			34			34			34	
Labs Reporting		33			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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.38	0.93	0.10	0.81	0.64	0.38	0.61	0.67	0.05	0.96	1.21	0.28
		0.08	0.01		0.10	0.05		0.05	0.01		0.15	0.03
83L8FJ	0.27	-0.31	0.12	0.64	-0.46	0.22	0.55	0.01	0.26	0.81	-0.03	0.16
		-0.03	0.01		-0.07	0.03		0.00	0.04		0.00	0.02
33JQFQ	0.30	0.01	0.98	0.59	-0.79	0.00	0.47	-1.09	0.11	0.69	-0.94	0.31
		0.00	0.06		-0.12	0.00		-0.09	0.02		-0.12	0.03
J42726	0.13	-1.85	0.93	0.57	-0.94	0.41	0.47	-1.09	0.85	0.67	-1.15	0.59
		-0.16	0.06		-0.14	0.06		-0.09	0.12		-0.14	0.06
RMZ998	0.47	1.94	1.87	0.53	-1.16	1.09	0.40	-1.93	3.22	0.60	-1.69	3.07
		0.17	0.12		-0.18	0.15		-0.15	0.44		-0.21	0.30
T84DB7	0.33	0.39	0.21	0.71	0.03	0.10	0.59	0.46	0.07	0.94	1.03	0.17
		0.03	0.01		0.00	0.01		0.04	0.01		0.13	0.02
2WG8UU	2.22	21.87	21.68	122.95	798.45	759.19	73.02	919.91	462.27	7.18	51.32	53.87
		1.92	1.34		122.24	106.53		72.47	62.67		6.37	5.26
WYZRCU	0.21	-0.92	1.75	0.71	-0.03	0.13	0.55	-0.01	0.29	0.81	-0.04	0.12
		-0.08	0.11		0.00	0.02		0.00	0.04		-0.01	0.01
	0.30	-0.01	0.38	0.84	0.83	0.41	0.63	1.02	0.62	0.88	0.59	1.24
		0.00	0.02		0.13	0.06		0.08	0.08		0.07	0.12
BHL3GF	0.28	-0.22	0.09	0.68	-0.20	0.07	0.54	-0.11	0.19	0.78	-0.27	0.26
		-0.02	0.01		-0.03	0.01		-0.01	0.03		-0.03	0.03
MZGWVZ	0.40	1.19	1.84	1.04	2.17	3.20	0.53	-0.24	0.56	0.81	0.03	0.48
		0.10	0.11		0.33	0.45		-0.02	0.08		0.00	0.05
DNM26B	0.32	0.31	0.09	0.81	0.67	0.11	0.63	1.03	0.17	0.91	0.78	0.12
		0.03	0.01		0.10	0.02		0.08	0.02		0.10	0.01
TRP93T	0.30	-0.01	0.07	0.74	0.18	0.07	0.59	0.43	0.09	0.85	0.34	0.34
		0.00	0.00		0.03	0.01		0.03	0.01		0.04	0.03
Grand Median		0.30			0.71			0.55			0.81	
Median Abs Dev		0.03			0.10			0.04			0.09	
Avg Within Lab SD		0.06			0.14			0.14			0.10	
Labs Included		12			12			12			12	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

P (SubTestCode 225)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	0.12	0.23	0.42	0.20	0.79	0.34	0.29	1.17	0.36	0.38	0.00	0.34
		0.00	0.00		0.01	0.00		0.01	0.00		0.00	0.00
XNBEWV	0.12	-0.38	1.05	0.20	0.00	1.17	0.29	1.17	0.79	0.38	0.00	1.96
		0.00	0.01		0.00	0.01		0.01	0.01		0.00	0.02
F92H9C	0.14	2.50	1.82	0.20	0.00	1.17	0.29	1.95	0.79	0.47	3.22	1.08
		0.02	0.01		0.00	0.01		0.02	0.01		0.10	0.01
QECBRZ	0.12	0.03	0.00	0.20	0.00	1.17	0.28	0.00	0.79	0.37	-0.11	0.54
		0.00	0.00		0.00	0.01		0.00	0.01		0.00	0.01
T84DB7	0.12	0.00	0.47	0.19	-1.06	0.19	0.28	-0.05	0.17	0.40	0.61	0.35
		0.00	0.00		-0.01	0.00		0.00	0.00		0.02	0.00
UNPG82	0.11	-0.79	1.05	0.19	-1.23	1.17	0.28	0.00	0.79	0.38	0.00	1.08
		-0.01	0.01		-0.01	0.01		0.00	0.01		0.00	0.01
J26YBD	0.11	-0.79	1.05	0.18	-1.65	1.17	0.27	-0.39	2.09	0.35	-0.78	0.54
		-0.01	0.01		-0.01	0.01		0.00	0.02		-0.02	0.01
Grand Median		0.12			0.20			0.28			0.38	
Median Abs Dev		0.00			0.01			0.00			0.00	
Avg Within Lab SD		0.01			0.00			0.01			0.01	
Labs Included		7			7			7			7	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

K (SubTestCode 226)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	2.39	-0.22	1.33	1.92	-0.26	0.91	10.85	4.72	0.82	1.68	-0.28	0.34
		-0.08	0.06		-0.05	0.04		8.10	0.06		-0.06	0.01
XNBEWV	2.74	0.72	0.95	2.07	0.52	1.03	2.76	0.00	0.74	1.79	0.23	1.18
		0.27	0.04		0.10	0.04		0.01	0.05		0.05	0.05
F92H9C	1.81	-1.79	0.27	1.98	0.07	0.15	2.83	0.05	0.45	1.89	0.74	0.23
		-0.67	0.01		0.01	0.01		0.08	0.03		0.15	0.01
QECBRZ	2.75	0.75	0.24	2.11	0.72	0.15	2.84	0.05	0.37	1.86	0.61	0.36
		0.28	0.01		0.14	0.01		0.08	0.03		0.12	0.02
T84DB7	2.67	0.53	0.32	1.96	-0.07	0.40	2.73	-0.02	0.41	1.72	-0.09	0.39
		0.20	0.01		-0.01	0.02		-0.03	0.03		-0.02	0.02
UNPG82	2.55	0.22	1.12	1.98	0.07	1.83	2.75	0.00	0.23	1.76	0.09	1.86
		0.08	0.05		0.01	0.07		-0.01	0.02		0.02	0.08
J26YBD	2.28	-0.52	1.23	1.84	-0.69	1.57	2.54	-0.13	0.81	1.47	-1.35	0.82
		-0.19	0.05		-0.13	0.06		-0.22	0.06		-0.27	0.04
4JGF2L	2.23	-0.65	1.53	1.40	-3.01	0.24	2.02	-0.43	2.36	1.34	-2.00	1.42
		-0.24	0.06		-0.57	0.01		-0.74	0.16		-0.40	0.06
Grand Median		2.47		1.97			2.76			1.74		
Median Abs Dev		0.22		0.07			0.08			0.09		
Avg Within Lab SD		0.04		0.04			0.07			0.04		
Labs Included		8		8			8			8		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Ca (SubTestCode 227)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	0.16	0.11	0.51	3.28	-0.09	0.99	1.77	0.33	0.18	0.49	0.61	0.70
		0.01	0.00		-0.04	0.08		0.09	0.01		0.03	0.01
XNBEWV	0.15	-0.11	1.64	3.35	0.09	1.73	1.75	0.28	1.17	0.45	-0.03	0.54
		-0.01	0.01		0.04	0.14		0.08	0.06		0.00	0.01
F92H9C	0.17	0.31	0.82	3.58	0.63	0.19	1.51	-0.62	0.24	0.42	-0.64	0.93
		0.01	0.01		0.26	0.02		-0.17	0.01		-0.03	0.01
QECBRZ	0.15	-0.11	0.82	3.35	0.09	0.12	1.75	0.26	0.12	0.47	0.22	0.54
		-0.01	0.01		0.04	0.01		0.07	0.01		0.01	0.01
T84DB7	0.13	-0.46	0.46	3.13	-0.44	0.19	1.61	-0.26	0.41	0.43	-0.39	0.26
		-0.02	0.00		-0.18	0.02		-0.07	0.02		-0.02	0.00
UNPG82	0.13	-0.54	0.79	2.99	-0.78	0.78	1.58	-0.34	0.52	0.40	-0.97	1.20
		-0.03	0.01		-0.32	0.06		-0.09	0.03		-0.05	0.01
J26YBD	0.21	1.15	1.64	4.01	1.67	1.73	2.19	1.87	2.38	0.59	2.51	1.87
		0.05	0.01		0.69	0.14		0.51	0.12		0.14	0.02
4JGF2L	0.28	2.60	0.43	2.65	-1.62	0.58	1.28	-1.44	0.63	0.46	0.03	1.03
		0.12	0.00		-0.67	0.05		-0.39	0.03		0.00	0.01
Grand Median		0.15			3.31			1.68			0.45	
Median Abs Dev		0.02			0.22			0.09			0.03	
Avg Within Lab SD		0.01			0.08			0.05			0.01	
Labs Included		8			8			8			8	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Mg (SubTestCode 228)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	0.17	-0.69	0.41	0.64	0.02	1.07	0.32	-0.06	0.03	0.42	0.49	0.62
		-0.01	0.00		0.00	0.02		0.00	0.00		0.01	0.00
XNBEWV	0.21	2.32	1.06	0.68	0.95	1.21	0.36	1.81	1.19	0.45	1.61	0.80
		0.03	0.01		0.03	0.02		0.04	0.01		0.04	0.01
F92H9C	0.19	0.92	1.83	0.66	0.47	0.58	0.33	0.61	0.59	0.40	-0.26	0.80
		0.01	0.01		0.02	0.01		0.01	0.01		-0.01	0.01
QECBRZ	0.18	0.08	0.00	0.62	-0.76	0.34	0.32	-0.24	0.59	0.41	-0.01	0.00
		0.00	0.00		-0.03	0.01		0.00	0.01		0.00	0.00
T84DB7	0.19	0.51	0.45	0.73	2.35	0.07	0.33	0.70	0.41	0.47	2.24	0.43
		0.01	0.00		0.08	0.00		0.01	0.00		0.06	0.00
UNPG82	0.18	0.00	1.02	0.64	-0.17	0.64	0.32	0.00	0.39	0.41	0.00	2.12
		0.00	0.01		-0.01	0.01		0.00	0.00		0.00	0.02
J26YBD	0.18	-0.20	1.06	0.64	0.00	1.87	0.35	1.30	2.14	0.41	0.11	0.80
		0.00	0.01		0.00	0.03		0.03	0.02		0.00	0.01
4JGF2L	0.14	-2.89	1.35	0.46	-5.13	0.78	0.22	-5.06	1.57	0.28	-5.06	2.09
		-0.03	0.01		-0.18	0.01		-0.10	0.02		-0.13	0.02
Grand Median		0.18		0.64			0.32			0.41		
Median Abs Dev		0.01		0.02			0.01			0.01		
Avg Within Lab SD		0.01		0.02			0.01			0.01		
Labs Included		7		7			7			7		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Na (SubTestCode 229)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	0.011	0.119	0.134	0.037	-0.841	1.322	0.014	0.816	1.454	0.007	0.000	1.586
		0.001	0.000		-0.003	0.002		0.004	0.001		0.000	0.001
XNBEWV	0.010	0.000	0.000	0.040	0.000	0.000	0.010	0.000	0.000	0.010	0.624	0.000
		0.000	0.000		0.000	0.000		0.000	0.000		0.003	0.000
F92H9C	0.011	0.144	0.626	0.041	0.199	0.841	0.017	1.217	0.679	0.013	1.193	1.141
		0.001	0.001		0.001	0.001		0.007	0.001		0.006	0.001
QECBRZ	0.005	-1.149	1.657	0.038	-0.596	0.000	0.007	-0.548	1.177	0.002	-0.957	0.659
		-0.005	0.002		-0.002	0.000		-0.003	0.001		-0.005	0.001
T84DB7	0.004	-1.201	0.211	0.038	-0.460	0.243	0.006	-0.713	0.130	0.001	-1.097	0.024
		-0.006	0.000		-0.002	0.000		-0.004	0.000		-0.006	0.000
UNPG82	0.010	-0.072	1.252	0.042	0.695	1.112	0.010	-0.061	0.679	0.007	-0.009	1.317
		0.000	0.001		0.002	0.002		0.000	0.001		0.000	0.001
J26YBD	0.033	5.027	6.262	0.077	10.918	4.204	0.040	5.476	0.000	0.027	3.786	6.586
		0.023	0.006		0.037	0.006		0.030	0.000		0.020	0.006
4JGF2L	0.019	2.037	1.494	0.046	1.932	1.803	0.017	1.368	1.600	0.011	0.842	1.006
		0.009	0.001		0.006	0.002		0.007	0.001		0.004	0.001
Grand Median		0.010			0.040			0.010			0.007	
Median Abs Dev		0.001			0.002			0.004			0.004	
Avg Within Lab SD		0.001			0.001			0.001			0.001	
Labs Included		7			7			7			7	
Labs Reporting		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
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	
	SRBSRB1601		SRBSRB1602		SRBSRB1603			
T84DB7	32.2	0.5	120.9	0.7	250.7	0.3	81.2	1.0
		0.5		2.1		3.6		1.1
TNQUE3	29.7	1.3	74.7	0.6	213.3	0.7	89.0	1.0
		1.5		1.6		7.8		0.0
J26YBD			9.0	5.0	201.0	18.3	22.4	1.4
								1.6
Grand Median	30.9		74.7		213.3		81.2	
Median Abs Dev								
Avg Within Lab SD	1.1		3.2		11.7		1.1	
Labs Included	2		3		3		3	
Labs Reporting	2		3		3		3	



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

B (SubTestCode 231)	in the Dry Ash Property Groups									Data units: mg/kg		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	8.3	1.9	0.6	41.6	-0.1	0.6	37.8	0.3	0.9	8.7	1.8	0.4
		6.0	0.2		-0.2	0.5		1.3	0.8		3.6	0.2
XNBEWV	3.2	0.3	1.3	43.7	0.7	1.6	38.1	0.4	0.5	5.1	0.0	0.9
		0.9	0.3		1.9	1.3		1.6	0.4		0.0	0.4
F92H9C	2.3	0.0	2.1	43.7	0.6	0.7	40.3	0.9	0.7	5.3	0.1	1.4
		0.0	0.6		1.9	0.6		3.8	0.6		0.2	0.6
QECBRZ	5.0	0.9		45.3	1.2	1.4	42.7	1.4	0.7	7.3	1.1	1.4
		2.7	0.0		3.5	1.2		6.2	0.6		2.2	0.6
T84DB7	6.9	1.5	0.5	43.2	0.5	1.3	31.6	-1.1	1.5	5.9	0.4	1.3
		4.6	0.1		1.4	1.1		-4.9	1.2		0.8	0.5
TNQUE3	2.0	-0.1		41.0	-0.3		36.0	-0.1	1.2	4.0	-0.6	1.3
		-0.3	0.0		-0.8	0.0		-0.5	1.0		-1.1	0.0
UNPG82	2.2	-0.1	0.4	42.0	0.1	0.8	37.0	0.1	0.5	3.7	-0.7	0.4
		-0.2	0.1		0.2	0.7		0.5	0.5		-1.4	0.2
J26YBD				36.0	-2.0		31.4	-1.2	1.4			0.4
					-5.8	0.5		-5.2	1.2			
4JGF2L	0.1	-0.7	0.1	1.3	-14.0	0.0	1.1	-8.0	0.0	0.2	-2.5	0.1
		-2.3	0.0		-40.5	0.0		-35.4	0.0		-4.9	0.0
Grand Median		2.33			41.8			36.5			5.10	
Median Abs Dev		0.87			1.6			2.7			1.10	
Avg Within Lab SD		0.27			0.8			0.8			0.40	
Labs Included		7			8			8			7	
Labs Reporting		7			8			8			7	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	13.2	0.1	0.2	63.7	1.0	1.2	58.0	1.2	0.6	27.6	2.3	0.7
		0.2	0.1		5.1	1.0		4.9	1.4		3.6	0.5
XNBEWV	13.0	0.0	0.4	60.4	0.4	0.2	53.0	0.0	0.6	24.0	0.0	0.4
		0.0	0.2		1.8	0.2		0.0	1.4		0.0	0.3
F92H9C	15.3	1.5	1.2	68.7	2.0	0.7	53.7	0.2	0.7	24.3	0.2	0.7
		2.3	0.6		10.1	0.6		0.6	1.5		0.4	0.6
QECBRZ	12.3	-0.4	1.2	56.0	-0.5		50.3	-0.7	0.3	23.0	-0.6	0.7
		-0.7	0.6		-2.6	1.0		-2.7	0.6		-1.0	0.0
T84DB7	10.8	-1.4	0.8	55.3	-0.7	0.4	50.4	-0.6	0.4	23.0	-0.6	0.2
		-2.2	0.4		-3.3	0.3		-2.6	0.9		-0.9	0.2
UNPG82	11.2	-1.1	1.3	57.6	-0.2	1.1	51.4	-0.4	0.4	22.3	-1.0	1.0
		-1.8	0.6		-1.0	0.9		-1.7	1.0		-1.7	0.8
J26YBD	13.3	0.2	1.2	58.6	0.0	1.5	60.1	1.7	2.3	24.0	0.0	2.2
		0.3	0.6		0.0	1.3		7.0	5.4		0.0	1.8
4JGF2L	780.7	480.8	2,224.0	229.2	33.8	3.6	213.5	38.7	1.1	193.6	105.9	3.1
		767.7	1,036.8		170.6	3.1		160.4	2.5		169.6	2.5
Grand Median		13.0		58.6			53.0			24.0		
Median Abs Dev		0.7		2.6			2.6			0.9		
Avg Within Lab SD		0.5		0.8			2.3			0.8		
Labs Included		7		7			7			7		
Labs Reporting		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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	4.8	-0.1	0.1	88.1	-0.6	1.0	53.6	-0.4	0.1	41.5	-0.1	0.3
		-0.2	0.0		-7.2	2.0		-5.6	0.1		-0.6	0.3
XNBEWV	4.4	-0.1	0.9	96.7	0.1	0.4	54.7	-0.4	0.8	39.4	-0.5	1.4
		-0.5	0.4		1.4	0.7		-4.5	1.2		-2.8	1.1
F92H9C	18.0	3.5	2.2	95.7	0.0	0.6	83.7	1.9	0.8	55.7	2.4	1.5
		13.1	1.0		0.3	1.2		24.5	1.2		13.5	1.2
QECBRZ	4.7	-0.1	1.3	86.0	-0.8		55.7	-0.3	0.8	39.0	-0.6	1.5
		-0.3	0.6		-9.3	1.0		-3.5	1.2		-3.1	0.0
T84DB7	5.1	0.1	0.5	95.0	0.0	0.6	58.9	0.0	0.6	42.7	0.1	0.9
		0.2	0.2		-0.3	1.2		-0.3	1.0		0.6	0.7
UNPG82	5.3	0.1	0.3	97.4	0.2	1.0	62.0	0.2	1.1	44.3	0.4	1.0
		0.3	0.2		2.1	2.0		2.8	1.6		2.1	0.8
J26YBD	3.3	-0.5	0.1	90.6	-0.4	2.1	59.5	0.0	2.1	38.8	-0.6	1.0
		-1.7	0.1		-4.7	4.3		0.3	3.1		-3.3	0.8
4JGF2L	8.8	1.0	0.2	133.3	3.2	0.9	85.6	2.1	0.5	46.5	0.8	1.1
		3.8	0.1		37.9	1.9		26.4	0.7		4.4	0.8
Grand Median		4.94			95.3			59.2			42.1	
Median Abs Dev		0.42			3.4			4.0			2.9	
Avg Within Lab SD		0.45			2.1			1.5			0.8	
Labs Included		8			8			8			8	
Labs Reporting		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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	28.5	0.2	0.3	91.6	0.1	0.9	172.4	-0.1	0.8	129.8	-0.1	1.1
		2.2	0.5		1.6	3.0		-2.4	4.7		-2.6	3.4
XNBEWV	19.9	-0.6	0.8	81.8	-0.4	0.5	138.7	-1.1	0.4	117.0	-0.6	0.9
		-6.4	1.2		-8.2	1.9		-36.1	2.6		-15.4	2.7
F92H9C	31.0	0.5	0.7	98.0	0.4	0.3	189.0	0.4	0.2	168.3	1.3	0.2
		4.7	1.0		8.0	1.0		14.3	1.0		35.9	0.6
QECBRZ	21.7	-0.5	0.4	85.7	-0.2	1.2	158.7	-0.5	0.1	130.7	-0.1	1.1
		-4.7	0.6		-4.3	4.2		-16.1	0.6		-1.8	3.2
T84DB7	51.1	2.4	2.1	119.8	1.6	0.7	245.0	2.1	0.8	192.6	2.2	1.0
		24.7	3.0		29.9	2.6		70.2	4.7		60.1	3.0
UNPG82	26.3	0.0	1.0	88.3	-0.1	0.9	178.7	0.1	1.2	153.7	0.8	1.6
		0.0	1.5		-1.6	3.1		3.9	7.6		21.2	4.7
J26YBD				58.1	-1.7	2.0	177.1	0.1	2.3	124.2	-0.3	1.0
					-31.9	6.9		2.4	14.0		-8.2	3.1
4JGF2L	20.1	-0.6	0.5	105.2	0.8	0.5	136.5	-1.1	0.1	134.2	0.1	0.5
		-6.2	0.7		15.2	1.6		-38.2	0.9		1.8	1.4
Grand Median		26.3		90.0			174.7			132.4		
Median Abs Dev		4.7		8.1			15.2			11.8		
Avg Within Lab SD		1.5		3.5			6.2			3.0		
Labs Included		7		8			8			8		
Labs Reporting		7		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		

Cu (SubTestCode 235)	in the Dry Ash Property Groups									Data units: mg/kg		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
BFZE6F	0.8	-2.0	0.3	11.2	-0.8	0.5	45.8	-0.8	0.4	7.9	-1.1	0.3
		-2.2	0.1		-1.0	0.3		-1.9	0.6		-1.3	0.1
XNBEWV	3.3	0.2	0.7	13.0	0.8	0.5	47.0	-0.3	0.9	9.4	0.2	0.8
		0.3	0.3		0.9	0.3		-0.7	1.4		0.3	0.3
F92H9C	4.0	0.9	2.5	14.0	1.6	1.9	48.3	0.3	1.0	10.3	1.0	1.8
		1.0	1.0		1.9	1.0		0.7	1.5		1.2	0.6
QECBRZ	3.0	0.0		12.0	-0.1		45.7	-0.8	0.4	9.7	0.4	1.8
		0.0	0.0		-0.1	0.0		-2.0	0.6		0.5	0.6
T84DB7	2.5	-0.4	0.5	11.3	-0.8	0.5	46.3	-0.6	0.6	7.4	-1.6	0.2
		-0.5	0.2		-0.9	0.3		-1.3	0.9		-1.8	0.1
UNPG82	3.0	0.0	0.2	12.3	0.1	0.6	48.6	0.4	0.9	9.1	-0.1	0.9
		0.0	0.1		0.1	0.3		0.9	1.4		-0.1	0.3
J26YBD	4.3	1.1	0.9	12.9	0.7	1.9	49.5	0.8	2.2	9.3	0.1	0.3
		1.3	0.4		0.8	1.0		1.9	3.4		0.1	0.1
4JGF2L	2.1	-0.8	0.4	11.6	-0.5	0.1	51.5	1.6	0.1	8.2	-0.9	0.1
		-0.9	0.2		-0.6	0.1		3.8	0.2		-1.0	0.0
Grand Median		3.00			12.1			47.7			9.18	
Median Abs Dev		0.70			0.8			1.6			0.73	
Avg Within Lab SD		0.40			0.5			1.6			0.33	
Labs Included		8			8			8			8	
Labs Reporting		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
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
	SRBSRB1601		SRBSRB1602		SRBSRB1603		
T84DB7	0.32	1.00 0.01	0.68	1.00 0.01	0.54	1.00 0.01	0.89 1.00 0.00
Grand Median		0.32		0.68		0.54	0.89
Median Abs Dev							
Avg Within Lab SD		0.01		0.01		0.01	0.00
Labs Included		1		1		1	1
Labs Reporting		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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.08	1.72	1.88	0.27	-0.30	2.67	0.33	2.52	2.47	0.17	-0.12	2.26
		0.04	0.02		-0.07	0.07		0.19	0.03		-0.02	0.06
GAPFPH				1.04	3.00	0.63				1.02	4.41	1.40
					0.70	0.02					0.83	0.04
2WG8UU	7.13	316.11	524.05	15.50	65.38	478.72	20.53	275.08	1,345.50	13.37	70.26	422.91
		7.09	6.18		15.15	12.74		20.39	17.88		13.17	11.16
WYZRCU	0.03	-0.58	1.08	0.40	0.25	0.31	0.15	0.08	0.45	0.21	0.08	0.27
		-0.01	0.01		0.06	0.01		0.01	0.01		0.02	0.01
	0.04	0.00	0.43	0.33	-0.05	0.32	0.13	-0.14	0.11	0.20	0.03	0.44
		0.00	0.01		-0.01	0.01		-0.01	0.00		0.01	0.01
BHL3GF				0.35	0.02	0.39	0.12	-0.29	0.23	0.17	-0.12	0.23
					0.00	0.01		-0.02	0.00		-0.02	0.01
MZGWVZ	0.02	-1.06	0.26	0.03	-1.36	0.09	0.04	-1.35	0.15	0.09	-0.55	0.59
		-0.02	0.00		-0.31	0.00		-0.10	0.00		-0.10	0.02
DNM26B	0.04	0.01	0.17	0.43	0.39	0.09	0.17	0.35	0.30	0.20	0.04	0.19
		0.00	0.00		0.09	0.00		0.03	0.00		0.01	0.00
					-0.02	0.28		0.00	0.72		-0.03	0.48
TRP93T				0.34	0.00	0.01	0.14	0.00	0.01	0.19	-0.01	0.01
Grand Median		0.040			0.34			0.14			0.19	
Median Abs Dev		0.013			0.06			0.02			0.02	
Avg Within Lab SD		0.012			0.03			0.01			0.03	
Labs Included		5			8			7			8	
Labs Reporting		5			8			7			8	



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

Ba (SubTestCode 238)	in the Heavy Metals Property Groups									Data units: mg/kg		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	2.8	1.7	0.4	48.5	0.7	0.3	34.2	0.8	0.9	10.7	1.0	0.7
		0.7	0.1		4.8	0.3		4.4	1.0		1.5	0.3
GAPFPH	2.1	0.0	0.3	40.3	-0.5	0.5	29.8	0.0	0.3	9.1	0.0	0.5
		0.0	0.1		-3.4	0.4		0.0	0.3		-0.1	0.2
2WG8UU	1.5	-1.4	1.2	13.5	-4.3	20.9	10.4	-3.5	15.6	2.0	-4.6	7.1
		-0.6	0.3		-30.2	20.8		-19.4	17.0		-7.2	2.6
XHNEVW	2.4	0.7	0.2	49.3	0.8	0.3	35.9	1.1	0.2	10.5	0.9	0.3
		0.3	0.1		5.6	0.3		6.1	0.2		1.4	0.1
WYZRCU	1.6	-1.0	2.8	46.6	0.4	1.1	32.9	0.5	2.0	10.1	0.6	1.1
		-0.5	0.8		2.9	1.1		3.1	2.2		1.0	0.4
	2.4	0.8	0.8	42.5	-0.2	1.3	29.5	-0.1	1.4	9.1	0.0	0.9
		0.3	0.2		-1.2	1.3		-0.3	1.5		0.0	0.3
BHL3GF	2.1	0.0	0.1	43.7	0.0	2.0	29.4	-0.1	1.0	8.7	-0.3	0.4
		0.0	0.0		0.0	2.0		-0.4	1.1		-0.4	0.1
MZGWVZ	1.6	-1.2	0.3	27.5	-2.3	1.2	18.8	-2.0	0.3	5.9	-2.1	2.2
		-0.5	0.1		-16.2	1.2		-11.0	0.4		-3.3	0.8
DNM26B	2.4	0.7	0.4	49.9	0.9	0.3	36.1	1.1	0.9	10.5	0.9	1.0
		0.3	0.1		6.2	0.3		6.3	0.9		1.4	0.4
TRP93T	2.1	0.0	0.2	45.9	0.3	0.4	32.3	0.4	0.3	9.6	0.3	0.4
		0.0	0.1		2.2	0.4		2.4	0.3		0.5	0.1
Grand Median		2.08		43.7			29.8			9.14		
Median Abs Dev		0.32		3.4			3.1			0.97		
Avg Within Lab SD		0.29		1.0			1.1			0.37		
Labs Included		9		9			9			9		
Labs Reporting		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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.011	-1.053	0.000	0.075	3.638	0.000	0.097	1.642	1.913	0.196	1.671	0.374
		-0.003	0.000		0.036	0.000		0.020	0.021		0.044	0.006
2WG8UU	1.478	514.938	344.412	21.191	2,128.517	1,206.006	15.784	1,287.190	1,210.158	4.872	180.665	251.841
		1.465	1.107		21.152	18.218		15.707	13.592		4.720	4.162
WYZRCU	0.013	-0.212	2.061	0.037	-0.158	1.078	0.069	-0.606	1.278	0.148	-0.179	0.105
		-0.001	0.007		-0.002	0.002		-0.007	0.014		-0.005	0.002
	0.015	0.350	0.648	0.032	-0.637	0.710	0.077	0.000	1.279	0.164	0.421	2.310
		0.001	0.002		-0.006	0.001		0.000	0.014		0.011	0.038
BHL3GF				0.039	0.000	1.548	0.071	-0.437	0.103	0.147	-0.204	0.286
					0.000	0.003		-0.005	0.001		-0.005	0.005
MZGWVZ	0.014	0.000	0.329	0.037	-0.121	1.245	0.055	-1.763	0.136	0.095	-2.208	1.130
		0.000	0.001		-0.001	0.002		-0.022	0.002		-0.058	0.019
DNM26B	0.019	1.757	0.475	0.040	0.168	0.940	0.078	0.109	0.089	0.153	0.000	0.299
		0.005	0.002		0.002	0.002		0.001	0.001		0.000	0.005
TRP93T				0.039	0.000	0.710	0.079	0.164	0.185	0.154	0.038	0.252
					0.000	0.001		0.002	0.002		0.001	0.004
Grand Median		0.014			0.039			0.077			0.15	
Median Abs Dev		0.001			0.002			0.005			0.01	
Avg Within Lab SD		0.003			0.002			0.011			0.02	
Labs Included		5			7			7			7	
Labs Reporting		5			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
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		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.01	-0.05	0.01	0.12	-0.06	0.01	1.32	-0.68	0.12	0.06	-0.21	0.30
		-0.01	0.01		-0.01	0.01		-0.22	0.07		-0.01	0.02
J42726							1.23	-0.95	0.42			0.30
								-0.30	0.25			
GAPFPH							1.89	1.11	0.57			0.30
								0.35	0.34			
2WG8UU	0.89	3.76	2.45	0.92	3.99	2.83	1.24	-0.91	1.56	0.16	2.04	2.42
		0.86	1.23		0.78	1.23		-0.29	0.93		0.10	0.13
WYZRCU	0.02	-0.02		0.13	0.01	0.00	1.84	0.97	1.04	0.06	-0.08	0.03
		0.00	0.00		0.00	0.00		0.31	0.62		0.00	0.00
	0.03	0.02	0.03	0.12	-0.04	0.00	1.39	-0.45	0.55	0.07	0.08	0.15
		0.00	0.01		-0.01	0.00		-0.14	0.33		0.00	0.01
BHL3GF				0.13	-0.01		1.55	0.06	0.54			0.15
					0.00	0.01		0.02	0.32			
MZGWVZ	0.07	0.18	0.04	0.37	1.22	0.11	1.89	1.12	2.16	0.13	1.41	0.19
		0.04	0.02		0.24	0.05		0.36	1.29		0.07	0.01
DNM26B	0.02	-0.02	0.00	0.14	0.04	0.01	1.51	-0.06	0.10	0.06	-0.22	0.04
		0.00	0.00		0.01	0.00		-0.02	0.06		-0.01	0.00
TRP93T				0.13	-0.03		1.67	0.43	0.84			0.04
					-0.01	0.01		0.14	0.50			
Grand Median		0.026			0.13			1.53			0.067	
Median Abs Dev		0.008			0.01			0.25			0.010	
Avg Within Lab SD		0.503			0.43			0.60			0.055	
Labs Included		6			8			10			6	
Labs Reporting		6			8			10			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		

Ni (SubTestCode 241)	in the Heavy Metals Property Groups									Data units: mg/kg		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.18	0.11	1.03	1.57	0.15	0.26	2.16	0.08	0.24	0.28	0.02	0.41
		0.01	0.06		0.05	0.06		0.04	0.06		0.00	0.02
GAPFPH				1.70	0.53		2.54	0.81	0.54			0.41
					0.19	0.07		0.43	0.15			
2WG8UU	0.07	-0.95	1.44	0.52	-2.76	3.01	1.19	-1.76	2.49	0.10	-1.87	2.55
		-0.09	0.09		-0.99	0.73		-0.93	0.68		-0.18	0.14
XHNEVW				1.72	0.58		2.70	1.12	1.22			2.55
					0.21	0.20		0.59	0.33			
WYZRCU				1.67	0.43	0.15	2.18	0.12	0.96	0.31	0.35	0.21
					0.15	0.04		0.06	0.26		0.03	0.01
	0.32	1.55	0.95	1.51	-0.02	0.06	1.98	-0.26	0.26	0.29	0.07	0.39
		0.15	0.06		-0.01	0.02		-0.14	0.07		0.01	0.02
BHL3GF				1.49	-0.06	0.26	2.01	-0.19	0.08	0.28	0.00	0.00
					-0.02	0.06		-0.10	0.02		0.00	0.00
MZGWVZ	0.09	-0.76	0.94	0.76	-2.10	0.13	1.04	-2.03	0.13	0.09	-1.99	0.28
		-0.08	0.06		-0.75	0.03		-1.07	0.04		-0.19	0.01
DNM26B	0.17	0.00	0.26	1.52	0.02	0.11	2.07	-0.08	0.17	0.24	-0.42	0.19
		0.00	0.02		0.01	0.03		-0.04	0.05		-0.04	0.01
TRP93T				1.48	-0.09		2.27	0.29	0.96			0.19
					-0.03	0.01		0.15	0.26			
Grand Median		0.17			1.51			2.11			0.28	
Median Abs Dev		0.08			0.10			0.15			0.03	
Avg Within Lab SD		0.06			0.24			0.27			0.05	
Labs Included		5			10			10			7	
Labs Reporting		5			10			10			7	



ALP Program - Participant Web Summary Report - Cycle 29

Sample Mean	Z Score	k Score	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) Data units: mg/kg												
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	0.63	0.03	0.00	1.10	1.19	0.68	0.41	1.84	2.02	4.28	0.82	0.35
		0.41	0.03		0.26	0.06		0.22	0.08		0.55	0.11
GAPFPH										4.01	0.41	0.37
											0.27	0.11
2WG8UU	76.02	5.26	1.48	74.03	333.10	697.62	74.13	625.65	1,562.20	78.96	112.61	209.58
		75.80	65.34		73.19	63.36		73.94	63.33		75.23	64.65
XHNEVW										3.40	-0.50	1.28
											-0.33	0.39
WYZRCU	0.18	0.00	0.00	0.85	0.04	2.34	0.19	-0.06	0.74	3.92	0.28	1.52
		-0.04	0.08		0.01	0.21		-0.01	0.03		0.19	0.47
	0.30	0.01	0.00	0.80	-0.20	0.52	0.21	0.12	0.39	3.73	0.00	1.43
		0.08	0.11		-0.04	0.05		0.01	0.02		0.00	0.44
BHL3GF	0.20	0.00	0.00	0.84	0.00	0.25	0.19	0.00	0.10	3.41	-0.48	0.48
		-0.02	0.02		0.00	0.02		0.00	0.00		-0.32	0.15
MZGWVZ	-0.08	-0.02	0.00	0.25	-2.72	0.31	-0.11	-2.58	1.45	1.85	-2.81	1.02
		-0.30	0.06		-0.60	0.03		-0.31	0.06		-1.88	0.31
DNM26B	67.46	4.66	2.65	0.82	-0.09	0.37	0.19	0.00	0.25	3.29	-0.67	0.22
		67.24	116.51		-0.02	0.03		0.00	0.01		-0.45	0.07
TRP93T	0.22	0.00	0.00	0.95	0.47	0.70	0.21	0.11	0.14	3.80	0.09	1.20
		0.00	0.01		0.10	0.06		0.01	0.01		0.06	0.37
Grand Median		0.22			0.84			0.19			3.73	
Median Abs Dev		0.08			0.04			0.01			0.32	
Avg Within Lab SD		44.04			0.09			0.04			0.31	
Labs Included		7			7			7			9	
Labs Reporting		7			7			7			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		

Sr (SubTestCode 243)	in the Heavy Metals Property Groups									Data units: mg/kg		
	SRBSRB1601			SRBSRB1602			SRBSRB1603					
AAUKBK	3.2	1.0	0.0	219.5	1.4	0.9	121.4	1.1	0.2	11.6	1.3	1.3
		0.4	0.0		22.8	2.7		10.4	1.1		1.0	0.3
J42726	2.6	-0.4	0.1	184.2	-0.8	0.4	108.1	-0.3	0.5	10.1	-0.6	0.5
		-0.2	0.1		-12.5	1.1		-2.9	2.3		-0.5	0.1
GAPFPH	3.3	1.2	0.9	181.6	-0.9	0.8	103.3	-0.8	0.2	9.4	-1.7	0.2
		0.5	0.3		-15.0	2.5		-7.7	1.0		-1.2	0.0
2WG8UU	0.9	-4.5	3.9	1.6	-11.9	0.1	37.4	-7.9	14.1	3.3	-9.7	23.3
		-1.9	1.5		-195.0	0.2		-73.6	61.3		-7.3	5.4
XHNEVW	3.0	0.6	0.3	211.0	0.9	0.3	122.0	1.2	0.4	11.0	0.5	0.2
		0.3	0.1		14.3	1.1		11.0	1.9		0.4	0.0
WYZRCU	2.1	-1.5	2.8	196.7	0.0	0.8	109.1	-0.2	2.0	10.3	-0.4	1.4
		-0.7	1.1		0.0	2.5		-1.9	8.6		-0.3	0.3
	2.9	0.2	0.4	199.0	0.1	1.1	115.7	0.5	1.0	10.9	0.4	0.7
		0.1	0.2		2.3	3.6		4.7	4.2		0.3	0.2
BHL3GF	2.8	0.0	0.1	191.3	-0.3	1.4	111.0	0.0	1.6	10.6	0.0	1.3
		0.0	0.0		-5.3	4.5		0.0	7.0		0.0	0.3
DNM26B	3.1	0.8	0.2	221.0	1.5	1.1	123.3	1.3	0.9	11.4	1.1	1.6
		0.3	0.1		24.3	3.5		12.3	4.0		0.8	0.4
TRP93T	2.7	-0.2	0.3	199.7	0.2	1.5	116.3	0.6	0.4	10.6	0.0	0.4
		-0.1	0.1		3.0	4.7		5.3	1.5		0.0	0.1
Grand Median		2.77			196.7			111.0			10.6	
Median Abs Dev		0.25			12.5			5.3			0.4	
Avg Within Lab SD		0.39			3.2			4.3			0.2	
Labs Included		9			9			9			9	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

PH (SubTestCode 301) Data units:									
	SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK	7.40	-0.58	0.00	8.48	0.00	0.00	7.45	-0.23	0.00
		-0.10	0.00		0.00	0.00		-0.03	0.00
83L8FJ	7.65	0.92	0.73	8.78	0.80	0.78	7.60	0.77	0.80
		0.15	0.05		0.30	0.04		0.11	0.02
2GK3BP	7.17	-1.98	0.75	8.43	-0.14	1.29	7.53	0.32	0.38
		-0.33	0.05		-0.05	0.06		0.05	0.01
WGX7VT	7.60	0.62	3.40	8.54	0.16	1.10	7.54	0.38	0.38
		0.10	0.21		0.06	0.05		0.06	0.01
QECBRZ	7.49	-0.02	0.49	8.66	0.49	0.80	7.32	-1.11	0.77
		0.00	0.03		0.18	0.04		-0.16	0.02
RMZ998	7.61	0.70	1.06	8.41	-0.19	2.49	7.40	-0.59	1.35
		0.12	0.07		-0.07	0.11		-0.09	0.04
BMDAYP	7.57	0.42	0.37	7.75	-1.99	1.11	7.48	0.00	2.22
		0.07	0.02		-0.73	0.05		0.00	0.06
TNQUE3	7.47	-0.14	0.72	8.79	0.83	0.51	7.49	0.07	0.59
		-0.02	0.05		0.31	0.02		0.01	0.02
CPEWRJ	7.58	0.50	0.16	7.80	-1.84	0.76	7.46	-0.16	1.39
		0.08	0.01		-0.68	0.03		-0.02	0.04
XHNEVW	7.64	0.86	0.32	8.58	0.28	0.13	7.50	0.14	0.80
		0.14	0.02		0.10	0.01		0.02	0.02
4JGF2L	7.44	-0.34	0.48	8.59	0.29	1.47	7.67	1.24	1.55
		-0.06	0.03		0.11	0.07		0.18	0.04
MZGWVZ	7.60	0.60	0.24	8.50	0.05	1.01	7.41	-0.47	0.97
		0.10	0.02		0.02	0.05		-0.07	0.03
ZZZ3WM	7.47	-0.14	1.23	8.35	-0.34	0.89	7.64	1.06	1.02
		-0.02	0.08		-0.13	0.04		0.16	0.03
PHEWWY	7.30	-1.20	0.64	8.59	0.29	0.71	7.36	-0.81	0.44
		-0.20	0.04		0.11	0.03		-0.12	0.01
XYFCWR	7.50	0.00	0.09	8.17	-0.83	0.25	7.37	-0.77	0.00
		0.00	0.01		-0.31	0.01		-0.11	0.00
J6NUD7	7.67	1.05		8.43	-0.14		7.77	1.95	
		0.17	0.00		-0.05	0.00		0.29	0.00
KBNT2Z	7.26	-1.40	0.09	7.45	-2.79	0.22	7.27	-1.42	1.11
		-0.23	0.01		-1.03	0.01		-0.21	0.03
Grand Median		7.50		8.48			7.48		
Median Abs Dev		0.10		0.11			0.09		
Avg Within Lab SD		0.06		0.05			0.03		
Labs Included		17		17			17		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

EC (SubTestCode 302)	Data units: dS/m								
	SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK	0.21	-0.63	0.00	0.15	-0.71	0.00	0.10	-0.38	0.29
		-0.01	0.00		-0.01	0.00		-0.01	0.00
83L8FJ	0.21	-0.32	0.83	0.16	0.01	1.52	0.10	-0.09	1.27
		0.00	0.00		0.00	0.00		0.00	0.00
2GK3BP	0.21	-0.43	1.18	0.15	-0.59	0.00	0.10	-0.43	0.00
		-0.01	0.01		0.00	0.00		-0.01	0.00
WGX7VT	0.22	-0.14	1.18	0.15	-0.59	0.00	0.11	0.06	2.92
		0.00	0.01		0.00	0.00		0.00	0.01
QECBRZ	0.23	1.00	2.04	0.16	0.61	0.00	0.11	0.31	0.00
		0.01	0.01		0.01	0.00		0.00	0.00
RMZ998	0.20	-1.97	0.47	0.14	-2.19	0.66	0.09	-1.43	1.46
		-0.02	0.00		-0.02	0.00		-0.02	0.00
BMDAYP	0.24	1.85	0.00	0.17	1.81	0.00	0.12	1.06	0.00
		0.02	0.00		0.02	0.00		0.01	0.00
TNQUE3	0.22	0.14	0.00	0.16	0.61	0.00	0.11	0.31	0.00
		0.00	0.00		0.01	0.00		0.00	0.00
CPEWRJ	1.09	75.01	6.35	1.72	187.59	3.82	1.08	72.46	4.09
		0.88	0.03		1.56	0.01		0.97	0.01
XHNEVW	0.22	-0.06	0.09	0.16	0.01	0.38	0.10	-0.16	0.11
		0.00	0.00		0.00	0.00		0.00	0.00
4JGF2L	0.19	-2.74	0.12	0.15	-0.11	0.00	0.11	-0.06	0.00
		-0.03	0.00		0.00	0.00		0.00	0.00
MZGWVZ	0.22	0.20	2.25	0.16	0.97	1.52	0.11	0.61	1.34
		0.00	0.01		0.01	0.00		0.01	0.00
ZZZ3WM	0.22	-0.14	1.18	0.15	-0.59	0.00	0.10	-0.43	0.00
		0.00	0.01		0.00	0.00		-0.01	0.00
PHEWWY	0.22	0.06	0.35	0.15	-0.01	0.50	0.11	0.29	0.08
		0.00	0.00		0.00	0.00		0.00	0.00
XYFCWR	0.22	0.06	0.02	0.16	0.18	0.07	0.10	-0.18	0.05
		0.00	0.00		0.00	0.00		0.00	0.00
J6NUD7	0.23	0.57		0.17	1.59		0.17	4.84	
		0.01	0.00		0.01	0.00		0.06	0.00
KBNT2Z	0.22	0.48	1.24	0.15	-0.21	3.25	0.11	0.14	1.34
		0.01	0.01		0.00	0.01		0.00	0.00
Grand Median		0.22			0.15			0.11	
Median Abs Dev		0.00			0.00			0.00	
Avg Within Lab SD		0.00			0.00			0.00	
Labs Included		16			16			16	
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Ca (SubTestCode 303) Data units: mmol/L									
	SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK	0.49	0.05	0.51	0.34	-0.08	0.12	0.54	0.10	0.25
		0.00	0.01		-0.01	0.01		0.01	0.01
83L8FJ	0.47	-0.14	0.22	0.33	-0.16	0.24	0.53	-0.04	0.68
		-0.01	0.01		-0.01	0.01		0.00	0.02
2GK3BP	0.46	-0.28	0.84	0.35	0.08	0.36	0.50	-0.39	1.15
		-0.02	0.02		0.01	0.02		-0.04	0.03
WGX7VT	0.54	0.73	1.06	0.39	0.54	0.94	0.57	0.39	1.32
		0.06	0.03		0.05	0.04		0.03	0.04
QECBRZ	0.47	-0.20	2.43	0.37	0.23	1.35	0.50	-0.36	
		-0.02	0.06		0.02	0.06		-0.03	0.00
RMZ998	0.50	0.15	1.31	0.37	0.27	0.59	0.54	0.04	0.89
		0.01	0.03		0.02	0.03		0.00	0.02
BMDAYP	0.21	-3.26	0.46	0.15	-2.24	0.34	0.24	-3.20	0.50
		-0.27	0.01		-0.19	0.01		-0.29	0.01
TNQUE3	0.55	0.81	0.00	0.37	0.23	0.13	0.57	0.42	0.00
		0.07	0.00		0.02	0.01		0.04	0.00
CPEWRJ	0.59	1.24	1.47	0.57	2.61	3.19	0.65	1.29	2.88
		0.10	0.03		0.23	0.14		0.12	0.08
XHNEVW	0.49	0.09	0.04	0.33	-0.16	0.00	0.52	-0.13	0.01
		0.01	0.00		-0.01	0.00		-0.01	0.00
4JGF2L	0.48	-0.05	0.51	0.31	-0.37	0.06	0.55	0.21	0.44
		0.00	0.01		-0.03	0.00		0.02	0.01
MZGWVZ	0.35	-1.65	0.64	0.19	-1.84	0.13	0.37	-1.81	0.38
		-0.14	0.02		-0.16	0.01		-0.16	0.01
ZZZ3WM	0.51	0.29	0.05	0.36	0.13	0.02	0.55	0.18	0.16
		0.02	0.00		0.01	0.00		0.02	0.00
PHEWWY	0.44	-0.51	1.09	0.30	-0.50	0.63	0.45	-0.89	0.84
		-0.04	0.03		-0.04	0.03		-0.08	0.02
J6NUD7	4.54	49.07		3.26	33.53		5.97	60.60	
		4.05	0.00		2.91	0.00		5.44	0.00
Grand Median		0.48			0.35			0.53	
Median Abs Dev		0.02			0.02			0.03	
Avg Within Lab SD		0.02			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		

Mg (SubTestCode 304)	in the Cations Property Groups									Data units: mmolc/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	0.19	0.13	0.41	0.67	0.18	0.32	0.17	0.13	0.43	
		0.01	0.01		0.02	0.01		0.01	0.00	
83L8FJ	0.21	0.60	0.53	0.72	0.74	0.07	0.20	0.78	0.29	
		0.02	0.01		0.07	0.00		0.04	0.00	
2GK3BP	0.18	-0.17	0.74	0.60	-0.61	0.00	0.16	-0.15	0.56	
		-0.01	0.01		-0.05	0.00		-0.01	0.01	
WGX7VT	0.19	0.18	1.54	0.72	0.76	0.99	0.18	0.44	2.01	
		0.01	0.02		0.07	0.03		0.02	0.02	
QECBRZ	0.20	0.36	0.00	0.63	-0.23	1.90	0.20	0.81	0.00	
		0.01	0.00		-0.02	0.06		0.04	0.00	
RMZ998	0.19	0.00	3.06	0.64	-0.16	2.45	0.18	0.27	2.80	
		0.00	0.04		-0.01	0.07		0.01	0.03	
BMDAYP	0.09	-2.55	0.09	0.33	-3.68	0.08	0.08	-1.83	0.33	
		-0.10	0.00		-0.32	0.00		-0.08	0.00	
TNQUE3	0.19	0.10	0.00	0.67	0.23	0.19	0.16	0.00	0.56	
		0.00	0.00		0.02	0.01		0.00	0.01	
CPEWRJ	0.20	0.37	0.09	0.71	0.69	0.22	0.17	0.14	0.05	
		0.01	0.00		0.06	0.01		0.01	0.00	
XHNEVW	0.18	-0.27	0.02	0.64	-0.17	0.04	0.15	-0.34	0.03	
		-0.01	0.00		-0.01	0.00		-0.02	0.00	
4JGF2L	0.14	-1.24	0.16	0.53	-1.40	0.09	0.12	-0.90	0.19	
		-0.05	0.00		-0.12	0.00		-0.04	0.00	
MZGWVZ	0.09	-2.63	0.43	0.66	0.08	0.33	0.04	-2.65	0.26	
		-0.10	0.01		0.01	0.01		-0.12	0.00	
ZZZ3WM	0.18	-0.18	0.17	0.65	-0.08	0.19	0.15	-0.33	0.06	
		-0.01	0.00		-0.01	0.01		-0.02	0.00	
PHEWWY				0.69	0.44	1.74				
					0.04	0.05				
J6NUD7	1.78	42.05		6.21	63.46		1.49	29.18		
		1.59	0.00		5.56	0.00		1.33	0.00	
Grand Median		0.19			0.65			0.16		
Median Abs Dev		0.01			0.03			0.02		
Avg Within Lab SD		0.01			0.03			0.01		
Labs Included		13			14			13		
Labs Reporting		13			14			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		

Na (SubTestCode 305) Data units: mmol/L									
	SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK	1.25	-0.01	0.57	0.33	-0.04	0.35	0.33	-0.01	0.22
		-0.01	0.03		-0.01	0.01		0.00	0.00
83L8FJ	1.35	0.07	0.15	0.38	0.10	0.49	0.35	0.04	0.37
		0.09	0.01		0.03	0.01		0.01	0.01
2GK3BP	1.21	-0.04	0.10	0.34	0.00	2.79	0.29	-0.13	1.94
		-0.05	0.01		0.00	0.05		-0.04	0.03
WGX7VT	1.27	0.01	0.51	0.35	0.01	1.78	0.35	0.04	2.96
		0.01	0.03		0.00	0.03		0.01	0.04
QECBRZ	1.37	0.09	0.97	0.40	0.17	0.00	0.30	-0.10	0.00
		0.11	0.06		0.06	0.00		-0.03	0.00
RMZ998	1.22	-0.03	0.48	0.34	0.00	0.53	0.35	0.04	0.81
		-0.04	0.03		0.00	0.01		0.01	0.01
BMDAYP	1.24	-0.01	0.61	0.34	-0.02	0.61	0.34	0.01	0.88
		-0.02	0.04		-0.01	0.01		0.00	0.01
TNQUE3	1.28	0.02	0.00	0.35	0.02	0.00	0.34	0.01	0.42
		0.02	0.00		0.01	0.00		0.00	0.01
CPEWRJ	1.27	0.01	0.06	0.36	0.03	0.74	0.32	-0.03	0.68
		0.02	0.00		0.01	0.01		-0.01	0.01
XHNEVW	1.24	-0.01	0.12	0.33	-0.06	0.14	0.32	-0.05	0.09
		-0.02	0.01		-0.02	0.00		-0.02	0.00
4JGF2L	1.10	-0.13	0.19	0.33	-0.03	0.78	0.40	0.20	0.07
		-0.16	0.01		-0.01	0.01		0.06	0.00
MZGWVZ	1.01	-0.21	0.10	0.30	-0.14	0.62	0.28	-0.16	0.73
		-0.25	0.01		-0.04	0.01		-0.05	0.01
ZZZ3WM	1.19	-0.05	0.69	0.32	-0.08	0.06	0.31	-0.08	0.18
		-0.06	0.04		-0.03	0.00		-0.03	0.00
PHEWWY	1.34	0.07	0.86	0.36	0.05	1.56	0.34	0.03	0.73
		0.09	0.05		0.01	0.03		0.01	0.01
XYFCWR	26.07	20.34	2.94	7.27	21.34	2.44	6.88	19.98	4.35
		24.82	0.18		6.92	0.04		6.55	0.06
J6NUD7	13.28	9.85		3.60	10.04		3.56	9.85	
		12.02	0.00		3.26	0.00		3.23	0.00
KBNT2Z	1.46	0.17	3.54	0.35	0.00	0.18	0.33	-0.01	0.38
		0.21	0.21		0.00	0.00		0.00	0.01
Grand Median		1.26		0.34			0.33		
Median Abs Dev		0.06		0.01			0.01		
Avg Within Lab SD		0.06		0.02			0.01		
Labs Included		16		16			16		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

K (SubTestCode 306) in the Cations Property Groups										Data units: mmolc/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	0.07	-0.09	0.48	0.25	0.05	0.49	0.02	-0.25	0.45	
		0.00	0.00		0.00	0.00		0.00	0.00	
83L8FJ	0.07	0.29	0.37	0.27	0.46	0.58	0.02	0.34	0.85	
		0.00	0.00		0.03	0.00		0.00	0.00	
2GK3BP	0.07	0.26	2.32	0.24	-0.05	1.85	0.03	0.73	2.27	
		0.00	0.01		0.00	0.02		0.01	0.01	
RMZ998	0.06	-0.25	2.25	0.25	0.00	1.29	0.02	-0.79	2.03	
		0.00	0.01		0.00	0.01		-0.01	0.01	
BMDAYP	0.06	-0.31	0.65	0.23	-0.31	1.35	0.02	0.16	0.32	
		0.00	0.00		-0.02	0.01		0.00	0.00	
TNQUE3	0.07	0.26	0.00	0.25	0.06		0.02	-0.16	0.00	
		0.00	0.00		0.00	0.00		0.00	0.00	
CPEWRJ	0.09	1.59	0.07	0.29	0.73	0.39	0.02	0.43	0.06	
		0.02	0.00		0.04	0.00		0.00	0.00	
XHNEVW	0.06	-0.26	0.02	0.24	-0.16	0.16	0.02	-0.17	0.07	
		0.00	0.00		-0.01	0.00		0.00	0.00	
4JGF2L	0.05	-1.13	0.34	0.20	-0.79	0.26	0.01	-0.91	0.19	
		-0.02	0.00		-0.05	0.00		-0.01	0.00	
MZGWVZ	0.08	0.62	1.16	0.16	-1.40	1.21	0.03	1.49	1.27	
		0.01	0.01		-0.09	0.01		0.01	0.00	
ZZZ3WM	0.06	-0.48	0.23	0.22	-0.40	0.28	0.02	-0.39	0.23	
		-0.01	0.00		-0.02	0.00		0.00	0.00	
PHEWWY	0.07	0.00	0.19	0.26	0.25	1.93				
		0.00	0.00		0.02	0.02				
XYFCWR	2.57	183.50	3.63	9.15	144.33	11.09	0.91	120.05	19.42	
		2.51	0.02		8.91	0.09		0.89	0.05	
J6NUD7	0.67	44.16		2.53	37.01		2.04	271.27		
		0.60	0.00		2.28	0.00		2.02	0.00	
KBNT2Z	0.11	3.26	0.40	0.50	4.11		0.04	2.26	0.00	
		0.04	0.00		0.25	0.00		0.02	0.00	
Grand Median		0.067		0.25			0.021			
Median Abs Dev		0.004		0.02			0.003			
Avg Within Lab SD		0.004		0.01			0.003			
Labs Included		13		13			12			
Labs Reporting		13		13			12			



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
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
	SRWSRW1601		SRWSRW1602		SRWSRW1603		
83L8FJ	0.002	1.414	0.001	0.788	0.002	0.945	
		0.001		0.001		0.001	
		0.000		1.174		1.052	
RMZ998	0.001	0.000	0.001	0.001	0.002	0.001	
		0.000					
Grand Median	0.002		0.001		0.002		
Median Abs Dev							
Avg Within Lab SD	0.001		0.001		0.001		
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		

Sum Cations (SubTestCode 308)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	1.99	0.00	1.18	1.59	-0.07	0.44	1.06	-0.10	0.35	
		0.00	0.05		-0.01	0.02		-0.01	0.01	
83L8FJ	2.10	0.53	0.43	1.71	0.82	0.25	1.10	0.21	0.87	
		0.11	0.02		0.11	0.01		0.03	0.02	
RMZ998	1.97	-0.12	1.83	1.60	0.00	2.16	1.07	0.00	1.98	
		-0.03	0.08		0.00	0.12		0.00	0.06	
TNQUE3	2.08	0.44	0.13	1.63	0.26	0.11	1.10	0.18	0.40	
		0.09	0.01		0.03	0.01		0.02	0.01	
MZGWVZ	1.51	-2.29	0.22	1.31	-2.23	0.28	0.70	-2.88	0.20	
		-0.48	0.01		-0.29	0.02		-0.37	0.01	
Grand Median		1.99		1.60			1.07			
Median Abs Dev		0.09		0.03			0.02			
Avg Within Lab SD		0.05		0.05			0.03			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



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

SAR (SubTestCode 309)	in the Cations Property Groups									Data units:
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	2.14	0.25	0.84	0.47	0.19	0.20	0.56	0.82	0.23	
		0.05	0.03		0.01	0.01		0.04	0.00	
QECBRZ	2.40	1.46	0.00	0.57	2.18	2.10	0.50	-0.29		
		0.31	0.00		0.11	0.06		-0.01	0.00	
BMDAYP	2.24	0.73	0.81	0.49	0.55	0.21	0.59	1.53	0.85	
		0.15	0.03		0.03	0.01		0.08	0.01	
CPEWRJ	2.03	-0.28	1.24	0.44	-0.32	1.23	0.51	-0.14	2.25	
		-0.06	0.05		-0.02	0.03		-0.01	0.03	
MZGWVZ	0.47	-7.60	0.15	0.19	-5.57	0.21	0.12	-8.03	0.49	
		-1.62	0.01		-0.27	0.01		-0.40	0.01	
ZZZ3WM	2.04	-0.25	1.76	0.45	-0.19	0.08	0.52	0.14	0.39	
		-0.05	0.07		-0.01	0.00		0.01	0.00	
J6NUD7	2.32	1.09		0.49	0.62		0.57	1.13		
		0.23	0.00		0.03	0.00		0.06	0.00	
Grand Median		2.09			0.46			0.51		
Median Abs Dev		0.11			0.02			0.03		
Avg Within Lab SD		0.04			0.03			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		

Adj-SAR (SubTestCode 310)	in the Cations Property Groups						Data units:
	SRWSRW1601		SRWSRW1602		SRWSRW1603		
QECBRZ	1.37	1.41	0.43	1.41	0.30	0.00	
		0.12		0.06		0.00	
MZGWVZ	0.83	0.07	0.23	0.14	0.23	1.41	
		0.01		0.01		0.01	
Grand Median	1.10		0.33		0.26		
Median Abs Dev							
Avg Within Lab SD	0.08		0.04		0.00		
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)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	0.80	0.00	0.00	1.30	0.65	0.00	0.80	0.00	0.00	
		0.00	0.00		0.10	0.00		0.00	0.00	
83L8FJ	0.98	0.97	0.08	1.33	0.85	0.05	0.87	0.47	0.03	
		0.18	0.01		0.13	0.00		0.07	0.00	
2GK3BP	0.78	-0.09	0.25	1.24	0.22	0.80	0.72	-0.54	0.07	
		-0.02	0.02		0.03	0.08		-0.08	0.01	
QECBRZ	0.53	-1.44	2.78	1.13	-0.49	2.47	0.53	-1.88	2.91	
		-0.27	0.23		-0.07	0.23		-0.27	0.23	
RMZ998	0.76	-0.20	0.48	1.17	-0.22	0.84	0.71	-0.62	0.37	
		-0.04	0.04		-0.03	0.08		-0.09	0.03	
BMDAYP	0.84	0.19	0.00	1.39	1.28	0.00	0.84	0.25	0.00	
		0.04	0.00		0.19	0.00		0.04	0.00	
TNQUE3	0.89	0.47	0.97	1.29	0.58	0.37	0.82	0.14	0.44	
		0.09	0.08		0.09	0.03		0.02	0.03	
MZGWVZ	0.37	-2.32	0.12	1.04	-1.12	0.65	0.50	-2.09	0.07	
		-0.43	0.01		-0.17	0.06		-0.30	0.01	
PHEWWY	0.87	0.39	0.11				0.81	0.07	0.44	
		0.07	0.01					0.01	0.03	
J6NUD7	2.01	6.53		0.33	-5.96		2.12	9.32		
		1.21	0.00		-0.88	0.00		1.32	0.00	
Grand Median		0.80			1.21			0.80		
Median Abs Dev		0.07			0.09			0.07		
Avg Within Lab SD		0.08			0.09			0.08		
Labs Included		9			8			9		
Labs Reporting		9			8			9		



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

CO3 (SubTestCode 312)		in the Anions Property Groups						Data units: mmolc/L
SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK			0.10	0.22	0.00			
				0.01	0.00			
83L8FJ			0.09	0.01	0.41			
				0.00	0.01			
2GK3BP			0.09	-0.01				
				0.00	0.00			
QECBRZ			0.20	2.57	0.00			
				0.11	0.00			
RMZ998	0.00	1.00	0.07	-0.51	2.42	0.00	1.00	
		0.00		-0.02	0.04		0.00	
J6NUD7			0.06	-0.72				
				-0.03	0.00			
Grand Median	0.002			0.09		0.002		
Median Abs Dev				0.02				
Avg Within Lab SD	0.000			0.02		0.000		
Labs Included	1			6		1		
Labs Reporting	1			6		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		

CI (SubTestCode 313)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	0.889	0.062	0.000	0.048	-0.092	0.000	0.226	0.000	0.000	
		0.051	0.000		-0.012	0.000		0.000	0.000	
83L8FJ	0.849	0.013	0.113	0.016	-0.350	0.040	0.115	-0.548	0.116	
		0.011	0.003		-0.044	0.001		-0.111	0.002	
2GK3BP	0.757	-0.099	1.211	0.130	0.562	2.052	0.227	0.003	2.191	
		-0.081	0.031		0.070	0.026		0.001	0.035	
WGX7VT	0.730	-0.131	2.599	0.180	0.960	2.052	0.233	0.036	0.360	
		-0.108	0.066		0.120	0.026		0.007	0.006	
QECBRZ	0.863	0.031	0.606	0.060	0.003	1.343	0.227	0.003	2.597	
		0.025	0.015		0.000	0.017		0.001	0.042	
RMZ998	0.869	0.037	1.744	0.059	-0.003	1.137	0.195	-0.155	0.288	
		0.031	0.044		0.000	0.015		-0.031	0.005	
BMDAYP	0.827	-0.013	1.291	0.028	-0.250	0.000	0.132	-0.466	1.016	
		-0.011	0.033		-0.031	0.000		-0.094	0.016	
TNQUE3	0.827	-0.014	0.229	0.023	-0.289	0.448	0.200	-0.128	0.000	
		-0.011	0.006		-0.036	0.006		-0.026	0.000	
CPEWRJ	0.913	0.092	0.736	0.069	0.078	0.284	0.245	0.091	0.195	
		0.075	0.019		0.010	0.004		0.019	0.003	
XHNEVW	0.809	-0.035	0.191				0.154	-0.354	0.166	
		-0.029	0.005					-0.072	0.003	
4JGF2L	1.128	0.353	0.000							
		0.290	0.000							
MZGWVZ	0.827	-0.014	0.229	0.023	-0.289	0.448	0.183	-0.211	0.360	
		-0.011	0.006		-0.036	0.006		-0.043	0.006	
ZZZ3WM	29.920	35.389		1.210	9.176		6.014	28.566		
		29.082	0.000		1.150	0.000		5.788	0.000	
PHEWWY	0.415	-0.515	0.065	0.383	2.580	0.019	0.374	0.732	0.004	
		-0.423	0.002		0.323	0.000		0.148	0.000	
J6NUD7	7.440	8.034		0.390	2.636		1.450	6.041		
		6.602	0.000		0.330	0.000		1.224	0.000	
Grand Median		0.84			0.060			0.23		
Median Abs Dev		0.04			0.036			0.03		
Avg Within Lab SD		0.03			0.013			0.02		
Labs Included		14			12			13		
Labs Reporting		14			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		

NO3 (SubTestCode 314)			in the Anions Property Groups						Data units: mmolc/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK	0.061	0.034	0.134	0.025	0.093	0.155	0.002	-0.160	0.117
		0.003	0.001		0.004	0.001		-0.005	0.001
83L8FJ	0.052	-0.057	0.333	0.020	-0.042	0.064	0.001	-0.209	0.000
		-0.006	0.002		-0.002	0.000		-0.007	0.000
2GK3BP	0.100	0.436	3.557	0.043	0.565	3.587	0.023	0.479	3.108
		0.042	0.026		0.022	0.023		0.016	0.015
WGX7VT	0.010	-0.491	0.000	0.003	-0.474	0.155			
		-0.048	0.000		-0.018	0.001			
QECBRZ	0.060	0.024	0.000	0.017	-0.122	0.897			
		0.002	0.000		-0.005	0.006			
RMZ998	0.079	0.216	0.000	0.021	0.000	0.000	0.007	-0.015	0.000
		0.021	0.000		0.000	0.000		0.000	0.000
BMDAYP	0.008	-0.509	0.050	0.008	-0.343	0.000	0.008	0.015	0.000
		-0.049	0.000		-0.013	0.000		0.000	0.000
TNQUE3	0.054	-0.041	0.543	0.019	-0.053	0.647			
		-0.004	0.004		-0.002	0.004			
CPEWRJ	0.015	-0.445	0.000	0.011	-0.274	0.145	0.004	-0.116	0.189
		-0.043	0.000		-0.011	0.001		-0.004	0.001
XHNEVW	0.056	-0.019	0.024	0.023	0.039	0.091			
		-0.002	0.000		0.002	0.001			
4JGF2L	0.060	0.025	0.160	0.022	0.016	0.098			
		0.002	0.001		0.001	0.001			
MZGWVZ	0.080	0.230	1.345	0.046	0.642	0.855	0.032	0.733	0.311
		0.022	0.010		0.025	0.006		0.024	0.002
8FPFBG	0.733	6.965	7.763	0.333	8.029	8.967	0.233	6.869	11.747
		0.676	0.058		0.312	0.058		0.226	0.058
ZZZ3WM	0.749	7.129	0.280	0.290	6.905	0.179	0.038	0.911	0.265
		0.692	0.002		0.268	0.001		0.030	0.001
XYFCWR	0.058	0.000	0.078	0.026	0.127	0.237	0.136	3.907	0.352
		0.000	0.001		0.005	0.002		0.128	0.002
J6NUD7	0.013	-0.460		0.005	-0.422		0.001	-0.200	
		-0.045	0.000		-0.016	0.000		-0.007	0.000
Grand Median		0.058			0.021			0.008	
Median Abs Dev		0.021			0.005			0.007	
Avg Within Lab SD		0.007			0.006			0.005	
Labs Included		15			15			10	
Labs Reporting		15			15			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		

SO4 (SubTestCode 315) Data units: mmol/L									
	SRWSRW1601			SRWSRW1602			SRWSRW1603		
AAUKBK	0.27	0.00	0.05	0.19	-0.01	0.02	0.08	-0.03	0.03
		-0.01	0.01		-0.01	0.00		-0.01	0.00
83L8FJ	0.26	-0.01	0.01	0.19	-0.01	0.02	0.09	0.00	0.02
		-0.01	0.00		-0.01	0.00		0.00	0.00
2GK3BP	0.36	0.07	0.37	0.40	0.21	2.03	0.11	0.06	0.35
		0.09	0.07		0.20	0.25		0.02	0.03
WGX7VT	0.23	-0.04	0.20	0.19	0.00	0.25	0.09	0.00	0.65
		-0.05	0.04		0.00	0.03		0.00	0.05
QECBRZ	0.27	0.00	0.03	0.19	0.00	0.05	0.08	-0.02	0.00
		0.00	0.01		0.00	0.01		-0.01	0.00
RMZ998	0.30	0.02	0.07	0.21	0.02	0.03	0.09	0.01	0.00
		0.03	0.01		0.02	0.00		0.00	0.00
BMDAYP	0.04	-0.17	0.00	0.03	-0.17	0.01	0.01	-0.19	0.02
		-0.23	0.00		-0.16	0.00		-0.08	0.00
TNQUE3	0.29	0.01	0.00	0.20	0.01	0.00	0.09	0.00	0.00
		0.02	0.00		0.01	0.00		0.00	0.00
MZGWVZ	0.05	-0.17	0.05	0.02	-0.18	0.08			
		-0.22	0.01		-0.17	0.01			
PHEWWY	0.28	0.00	0.07	0.20	0.00	0.10			
		0.00	0.01		0.00	0.01			
XYFCWR	9.37	6.92	3.29	6.84	6.82	2.61	2.40	5.75	2.91
		9.10	0.62		6.64	0.32		2.31	0.21
J6NUD7	14.56	10.87		10.67	10.75		4.86	11.88	
		14.29	0.00		10.48	0.00		4.77	0.00
Grand Median		0.27			0.19			0.09	
Median Abs Dev		0.03			0.01			0.01	
Avg Within Lab SD		0.19			0.12			0.07	
Labs Included		11			11			9	
Labs Reporting		11			11			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		

Sum Anions (SubTestCode 316)	in the Anions Property Groups									Data units: mmol/L
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	2.02	0.00	0.09	1.66	0.70	0.02	1.11	0.36	0.02	
		0.00	0.01		0.09	0.00		0.06	0.00	
83L8FJ	2.15	0.55	0.10	1.64	0.57	0.02	1.07	0.17	0.03	
		0.13	0.01		0.07	0.00		0.03	0.00	
QECBRZ	1.73	-1.23	2.24	1.60	0.26	2.21	0.84	-1.12	2.41	
		-0.29	0.23		0.03	0.26		-0.20	0.25	
RMZ998	2.02	0.00	0.48	1.54	-0.26	1.00	1.01	-0.17	0.28	
		0.00	0.05		-0.03	0.12		-0.03	0.03	
TNQUE3	2.05	0.16	0.83	1.54	-0.26	0.33	1.11	0.38	0.34	
		0.04	0.08		-0.03	0.04		0.07	0.03	
MZGWVZ	1.53	-2.11	0.21	1.32	-1.99	0.13	0.71	-1.83	0.06	
		-0.49	0.02		-0.25	0.02		-0.33	0.01	
Grand Median		2.02			1.57			1.04		
Median Abs Dev		0.08			0.05			0.07		
Avg Within Lab SD		0.10			0.12			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	

Cation-Anion Difference (SubTestCode 317)	in the Difference Calculation Property Groups									Data units:
	SRWSRW1601	SRWSRW1602	SRWSRW1603							
AAUKBK	-0.027	0.000	0.820	-0.068	-1.434	0.331	-0.046	-0.765	0.194	
		0.000	0.046		-0.131	0.022		-0.073	0.010	
83L8FJ	-0.044	-0.227	0.253	0.062	-0.009	0.231	0.027	0.000	0.457	
		-0.017	0.014		-0.001	0.015		0.000	0.023	
RMZ998	-0.051	-0.318	0.847	0.063	0.000	1.542	0.063	0.376	0.567	
		-0.024	0.047		0.000	0.102		0.036	0.028	
TNQUE3	0.030	0.740	1.570	0.103	0.437	0.435	-0.013	-0.423	0.615	
		0.057	0.087		0.040	0.029		-0.040	0.031	
MZGWVZ	0.133	2.088	1.040	0.200	1.492	1.507	0.200	1.809	2.013	
		0.160	0.058		0.137	0.100		0.173	0.100	
Grand Median		-0.027			0.063			0.027		
Median Abs Dev		0.024			0.040			0.040		
Avg Within Lab SD		0.056			0.066			0.050		
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
	SRWSRW1601			SRWSRW1602			SRWSRW1603			
AAUKBK	0.009	-0.032	0.103	0.038	0.010	0.734	45.467	-0.371	0.485	
		-0.001	0.001		0.000	0.006		-1.777	0.473	
83L8FJ	0.010	0.000	0.000	0.017	-0.452	0.159	49.503	0.472	0.514	
		0.000	0.000		-0.020	0.001		2.260	0.501	
WGX7VT	0.002	-0.403	0.127	0.018	-0.427	0.385	47.933	0.144	1.203	
		-0.009	0.001		-0.019	0.003		0.690	1.172	
QECBRZ	0.033	1.105	1.034	0.050	0.289	2.307	57.833	2.213	2.643	
		0.023	0.006		0.013	0.017		10.590	2.574	
RMZ998	0.010	0.000	0.000	0.020	-0.390	1.332	38.533	-1.820	1.039	
		0.000	0.000		-0.017	0.010		-8.710	1.012	
BMDAYP	0.010	0.000	0.000	0.010	-0.616	0.000	45.367	-0.392	0.790	
		0.000	0.000		-0.027	0.000		-1.877	0.770	
TNQUE3	0.010	0.000	0.000	0.040	0.063	0.000	47.243	0.000	0.268	
		0.000	0.000		0.003	0.000		0.000	0.261	
XHNEVW				0.037	-0.010	0.126	47.554	0.065	0.108	
					0.000	0.001		0.311	0.105	
4JGF2L							52.051	1.005	0.000	
								4.808	0.000	
PHEWWY	0.101	4.294	2.811	0.083	1.030	1.475	43.495	-0.783	0.529	
		0.091	0.016		0.046	0.011		-3.748	0.515	
J6NUD7	0.005	-0.237		0.190	3.457		46.510	-0.153		
		-0.005	0.000		0.153	0.000		-0.733	0.000	
Grand Median		0.010			0.037			47.2		
Median Abs Dev		0.001			0.018			1.9		
Avg Within Lab SD		0.006			0.008			1.0		
Labs Included		9			10			11		
Labs Reporting		9			10			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		

PO4-P Phosphorus - Spec (SubTestCode 319)			in the Other Property Groups						Data units: mg/L
SRWSRW1601			SRWSRW1602			SRWSRW1603			
83L8FJ	0.007	-0.168 -0.008 -0.112	0.059 0.002 0.005	0.003	-0.420 -0.021 -0.273	0.174 0.002 0.014	0.003	0.203 0.001 0.010	
XHNEVW	0.009	-0.005 2.306	0.000 1.998	0.011	-0.014 1.731	0.000 1.956	0.009	0.000 1.720	
4JGF2L	0.125	0.110 0.112	0.052 0.077	0.113	0.088 0.273	0.018 0.381	0.047	0.010	
XYFCWR	0.020	0.005	0.002	0.039	0.014	0.004			
Grand Median		0.015			0.025			0.009	
Median Abs Dev		0.007			0.018				
Avg Within Lab SD		0.026			0.009			0.006	
Labs Included		4			4			3	
Labs Reporting		4			4			3	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
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
SRWSRW1601			SRWSRW1602			SRWSRW1603	
AAUKBK	0.008	1.000	0.003	1.000	0.001	1.000	
		0.002		0.002		0.000	
Grand Median	0.008		0.003		0.001		
Median Abs Dev							
Avg Within Lab SD	0.002		0.002		0.000		
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		

Nitrogen Combustion (Total) (SubTestCode 322) SRWSRW1601	in the Other Property Groups			Data units: mg/L
	SRWSRW1602	SRWSRW1603		
PHEWWY	52.7	23.0		
	0.0	0.0		
Grand Median	52.7	23.0		
Median Abs Dev				
Avg Within Lab SD	0.0	0.0	0.00	
Labs Included	1	1	0	
Labs Reporting	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		

Total Organic Carbon (SubTestCode 323) SRWSRW1601	in the Other Property Groups		Data units: mg/L
	SRWSRW1602	SRWSRW1603	
PHEWWY	777.5	784.7	780.0
	0.0	0.0	0.0
Grand Median	777.5	784.7	780.0
Median Abs Dev			
Avg Within Lab SD	0.0	0.0	0.0
Labs Included	1	1	1
Labs Reporting	1	1	1