

ALP Program

Participant Web Summary Report

2016 Round #30



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

ALP Program - Summer 2016 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Summer 2016 (Cycle 30) was completed in August 2016, with participation by 105 labs from the United States, Canada, Guatemala, South Africa, Italy, Romania, Ukraine, 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: SRS1606 a Kuma-Keith silt loam collected from Sherma Cty, KS; SRS1607 a sandy loam collected from Prince Edward Island CANADA; SRS1608 a Pecos silty clay loam collected Chaves Cty, NM; SRS1609 a Ruston fine sandy loam collected Pike Cty, MS; and SRS1610 a sand loam collected from Sussex Cty, DE. Standard Reference Botanical (SRB) materials were: SRB1605 sugar beet leaf composite from WA; SRB1606 corn leaf composite from IA; SRB1607 arugula leaves from CA and SRB1608 potato petiole from ID. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1604 South Elkhorn River water in NE, SRW1605 water source in MN, and SRW1606 irrigation well in WY.

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

Special Topics:

**Discussion of Statistics
in ALP Reports.**

**Quick Key to Analysis
Tables.**

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

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Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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

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

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

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



Key to Data Tables

Laboratory Results

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

Consensus Results

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

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



Choosing the Statistics Used

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

Why did we decide this?

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

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



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



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

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups																
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			Data units: Percent
P2ZHHY	42.5	-0.5	0.3	35.3	-0.4	0.1	50.7	-0.3	1.6	29.1	-0.6	1.7	21.9	-0.1	0.1	
		-2.3	0.2		-1.6	0.1		-2.3	1.3		-2.4	1.3		-0.2	0.1	
2V9A2L	37.5	-1.5		26.0	-2.6		50.0	-0.4		23.3	-2.1	0.0	14.3	-2.5	0.0	
		-7.4	0.0		-10.9	0.0		-3.0	0.0		-8.3	0.0		-7.8	0.0	
7LQLUF	39.4	-1.1	0.1	33.4	-0.9	0.8	48.5	-0.6	0.5	29.8	-0.4	0.3	20.5	-0.5	0.4	
		-5.5	0.1		-3.5	0.6		-4.5	0.4		-1.8	0.2		-1.7	0.3	
ETFYA8	44.3	-0.1	0.9	33.2	-0.9	0.7	43.8	-1.3	1.3	26.2	-1.4	0.9	22.8	0.2	0.6	
		-0.6	0.7		-3.7	0.6		-9.2	1.0		-5.4	0.7		0.6	0.5	
QHLKDT	45.0	0.0	1.3	36.7	0.0	0.7	53.0	0.0	1.3	32.3	0.2	0.7	21.7	-0.1	0.8	
		0.2	1.0		-0.2	0.6		0.0	1.0		0.8	0.6		-0.5	0.6	
NM37AU	45.4	0.1	1.9	41.6	1.1	0.9	50.5	-0.3	1.8	31.5	0.0	2.0	33.6	3.6	2.5	
		0.6	1.5		4.7	0.7		-2.5	1.3		-0.1	1.6		11.5	1.8	
Z9LAXF	54.8	2.0	1.6	37.1	0.0	2.6	65.2	1.7	1.3	31.7	0.0	1.2	25.0	0.9	0.3	
		9.9	1.2		0.2	2.1		12.2	1.0		0.1	0.9		2.9	0.3	
QP24XR	43.7	-0.2	0.7	38.0	0.3		52.0	-0.1		32.0	0.1		23.3	0.4	0.8	
		-1.2	0.6		1.1	0.0		-1.0	0.0		0.4	0.0		1.2	0.6	
KG6H4X	44.9	0.0	1.4	38.5	0.4	0.7	54.7	0.2	0.3	32.5	0.2	1.9	22.3	0.1	1.3	
		0.1	1.2		1.7	0.6		1.7	0.2		0.9	1.5		0.2	1.0	
ZTQT9G	44.3	-0.1	0.7	35.7	-0.3	0.7	52.7	0.0	0.8	28.7	-0.7	0.7	21.0	-0.4		
		-0.5	0.6		-1.2	0.6		-0.3	0.6		-2.9	0.6		-1.1	0.0	
YWU4RC	47.7	0.6	0.7	37.3	0.1	0.7	64.7	1.6	1.5	37.7	1.5	1.9	21.0	-0.4		
		2.8	0.6		0.5	0.6		11.7	1.2		6.1	1.5		-1.1	0.0	
Z9HQBC	53.7	1.8	0.7	43.0	1.5	1.3	61.0	1.1		37.0	1.4		26.3	1.3	0.8	
		8.8	0.6		6.1	1.0		8.0	0.0		5.4	0.0		4.2	0.6	
EDQREV	43.7	-0.2	0.7	38.0	0.3		53.0	0.0	1.3	31.7	0.0	0.7	23.0	0.3		
		-1.2	0.6		1.1	0.0		0.0	1.0		0.1	0.6		0.9	0.0	
XXB2JC	39.5	-1.1	0.5	35.6	-0.3	0.5	47.5	-0.8	0.5	30.5	-0.3	0.5	22.5	0.1	0.6	
		-5.3	0.4		-1.3	0.4		-5.5	0.4		-1.1	0.4		0.3	0.4	
4TXAV7	48.2	0.7		37.9	0.3		56.8	0.5		31.3	-0.1		22.6	0.1		
		3.4	0.0		1.0	0.0		3.8	0.0		-0.3	0.0		0.5	0.0	
4QUEC3	49.6	0.9	0.8	35.0	-0.5	0.8	59.2	0.9	0.8	31.4	0.0	0.2	20.4	-0.5	0.4	
		4.7	0.7		-1.9	0.7		6.2	0.6		-0.2	0.2		-1.7	0.3	
M938NJ	44.6	0.0	0.9	39.3	0.6	0.8	57.3	0.6	1.8	32.7	0.3	1.1	21.9	-0.1	0.8	
		-0.3	0.7		2.4	0.6		4.3	1.4		1.2	0.8		-0.2	0.6	
Z4BZ87	48.1	0.7	0.9	38.8	0.5	1.1	59.0	0.8	0.5	34.8	0.8	0.8	22.7	0.2	2.5	
		3.3	0.7		1.9	0.9		6.0	0.4		3.2	0.7		0.6	1.8	
6K3QU3	52.0	1.4	2.5	41.7	1.2	2.6	59.0	0.8	1.3	35.0	0.9	1.3	25.3	1.0	2.1	
		7.2	2.0		4.8	2.1		6.0	1.0		3.4	1.0		3.2	1.5	
ACVHGX	46.8	0.4	0.0	36.0	-0.2	0.0	58.4	0.8	0.0	32.7	0.3	0.0	21.0	-0.4	0.0	
		1.9	0.0		-0.8	0.0		5.4	0.0		1.1	0.0		-1.1	0.0	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6UNU32	37.3	-1.5		29.5	-1.8		44.3	-1.2		24.0	-1.9		18.6	-1.1	
		-7.6	0.0		-7.4	0.0		-8.8	0.0		-7.6	0.0		-3.6	0.0
		0.0			-0.7			-0.6			-1.5			-0.6	
XJT9V6	44.8	-0.1	0.0	33.9	-3.0	0.0	48.7	-4.3	0.0	25.7	-5.9	0.0	20.3	-1.8	0.0
Grand Median		44.9			36.9			53.0			31.6			22.1	
Median Abs Dev		2.6			1.8			4.4			1.5			1.1	
Avg Within Lab SD		0.8			0.8			0.8			0.8			0.7	
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		

pH - sp (SubTestCode 102)	in the Salinity Property Groups															Data units: Unit
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
2V9A2L	7.89	2.12	0.16	4.53	-3.24	0.11	7.90	0.81	0.00	6.64	4.26	0.06	6.95	3.69	0.15	
		0.34	0.01		-1.20	0.01		0.17	0.00		1.39	0.01		1.01	0.01	
9G9ZXE	7.54	-0.10	2.50	6.00	0.71	1.76	7.73	-0.01	0.70	5.34	0.29	0.91	6.05	0.39	3.69	
		-0.02	0.09		0.26	0.09		0.00	0.03		0.09	0.09		0.11	0.14	
7LQLUF	7.66	0.66	1.43	5.59	-0.39	0.19	7.84	0.52	0.96	5.07	-0.55	0.11	5.86	-0.31	0.74	
		0.11	0.05		-0.15	0.01		0.11	0.04		-0.18	0.01		-0.08	0.03	
ETFYA8	7.69	0.85	1.24	5.81	0.20	1.50	7.95	1.05	0.70	5.33	0.26	0.59	6.11	0.64	0.29	
		0.14	0.05		0.08	0.08		0.22	0.03		0.08	0.06		0.17	0.01	
QHLKDT	7.55	-0.02	0.54	5.68	-0.15	0.38	7.74	0.02	0.15	5.10	-0.45	0.06	5.88	-0.23	0.15	
		0.00	0.02		-0.06	0.02		0.01	0.01		-0.15	0.01		-0.06	0.01	
NM37AU	7.59	0.21	0.16	5.63	-0.27	0.29	7.88	0.73	0.67	5.07	-0.56	0.06	5.95	0.05	0.39	
		0.03	0.01		-0.10	0.02		0.15	0.03		-0.18	0.01		0.01	0.02	
LU92FX	7.47	-0.52		5.68	-0.15		7.63	-0.49		5.24	-0.03		5.93	-0.04		
		-0.08	0.00		-0.06	0.00		-0.10	0.00		-0.01	0.00		-0.01	0.00	
Z9LAXF	7.63	0.50	1.56	5.50	-0.63		7.87	0.65	1.53	4.93	-0.97	1.63	5.73	-0.76	1.47	
		0.08	0.06		-0.24	0.00		0.14	0.06		-0.32	0.15		-0.21	0.06	
QP24XR	7.33	-1.39	1.35	5.73	-0.01	0.82	7.64	-0.44	2.43	5.41	0.48	0.16	6.14	0.75	1.47	
		-0.22	0.05		-0.01	0.04		-0.09	0.09		0.16	0.02		0.20	0.06	
KG6H4X	7.60	0.27	0.68	5.88	0.38	3.31	7.62	-0.53	1.33	5.31	0.19	0.76	5.95	0.05	0.39	
		0.04	0.03		0.14	0.18		-0.11	0.05		0.06	0.07		0.01	0.02	
ZTQT9G	7.44	-0.73	0.68	5.57	-0.45	0.87	7.61	-0.60	0.81	5.05	-0.60	0.37	5.77	-0.62	0.88	
		-0.12	0.03		-0.17	0.05		-0.13	0.03		-0.20	0.04		-0.17	0.03	
YWU4RC	7.47	-0.52	0.72	5.66	-0.20	0.19	7.86	0.60	1.07	5.12	-0.41	0.34	5.92	-0.09	0.39	
		-0.08	0.03		-0.08	0.01		0.13	0.04		-0.13	0.03		-0.02	0.02	
Z9HQBC	7.58	0.17	0.00	6.00	0.71	1.63	7.50	-1.13	2.51	5.50	0.75	1.39	5.84	-0.35	0.97	
		0.03	0.00		0.26	0.09		-0.24	0.09		0.25	0.13		-0.10	0.04	
Y26GAB	7.35	-1.29	0.16	6.04	0.82	0.33	7.50	-1.09	0.31	5.22	-0.10	0.06	6.18	0.88	0.00	
		-0.21	0.01		0.31	0.02		-0.23	0.01		-0.03	0.01		0.24	0.00	
EDQREV	7.56	0.02	1.49	5.58	-0.42	0.33	7.71	-0.12	0.41	5.06	-0.59	0.16	5.78	-0.59	1.42	
		0.00	0.06		-0.16	0.02		-0.03	0.02		-0.19	0.02		-0.16	0.06	
XXB2JC	7.53	-0.12	0.41	5.84	0.27	0.39	7.86	0.61	0.27	5.35	0.30	0.25	5.94	0.00	0.51	
		-0.02	0.02		0.10	0.02		0.13	0.01		0.10	0.02				



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6K3QU3	7.60	0.27	1.28	6.06	0.89	0.79	7.56	-0.82	0.80	5.68	1.33	0.33	5.87	-0.27	0.53
		0.04	0.05		0.33	0.04		-0.17	0.03		0.43	0.03		-0.07	0.02
ACVHGX	7.05	-3.14	0.00	5.31	-1.15	0.00	7.55	-0.87	0.00	4.82	-1.32	0.00	5.65	-1.06	0.00
		-0.50	0.00		-0.43	0.00		-0.18	0.00		-0.43	0.00		-0.29	0.00
6UNU32	7.34	-1.33		5.94	0.55		7.33	-1.92		5.26	0.03		5.94	0.00	
		-0.21	0.00		0.21	0.00		-0.40	0.00		0.01	0.00		0.00	0.00
XJT9V6	7.69	0.85		4.32	-3.82		7.37	-1.73		5.08	-0.52		4.75	-4.36	
		0.14	0.00		-1.42	0.00		-0.36	0.00		-0.17	0.00		-1.19	0.00
Grand Median		7.55			5.74			7.73			5.25			5.94	
Median Abs Dev		0.08			0.14			0.13			0.16			0.09	
Avg Within Lab SD		0.04			0.05			0.04			0.09			0.04	
Labs Included		24			24			24			24			24	
Labs Reporting		24			24			24			24			24	



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

ECe - sp (SubTestCode 103)	in the Salinity Property Groups														Data units: dS/m
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	0.86	-0.08	0.76	1.83	0.72	0.60	8.60	-0.01	0.23	1.15	0.23	0.07	2.07	0.17	1.25
		-0.02	0.03		0.23	0.02		-0.01	0.04		0.04	0.00		0.08	0.09
2V9A2L	0.43	-2.01	0.03	2.25	1.99	0.15	8.27	-0.17	0.17	1.35	1.29	0.12	2.81	1.72	0.17
		-0.45	0.00		0.65	0.01		-0.33	0.03		0.24	0.01		0.82	0.01
9G9ZXE	0.81	-0.31	1.59	1.47	-0.39	2.19	7.40	-0.62	1.75	1.00	-0.57	1.03	1.87	-0.25	1.13
		-0.07	0.06		-0.13	0.09		-1.21	0.26		-0.11	0.05		-0.12	0.08
7LQLUF	0.96	0.34	1.13	1.55	-0.13	1.15	9.35	0.38	1.28	1.11	0.00	2.48	2.57	1.23	1.10
		0.08	0.04		-0.04	0.04		0.74	0.19		0.00	0.12		0.58	0.08
ETFYA8	0.73	-0.69	0.02	1.46	-0.41	1.92	7.99	-0.32	1.05	1.25	0.72	2.10	1.74	-0.53	0.73
		-0.15	0.00		-0.13	0.08		-0.62	0.16		0.14	0.10		-0.25	0.05
QHLKDT	0.90	0.11	0.49	1.64	0.12	1.54	8.81	0.10	1.23	1.07	-0.23	0.79	2.12	0.27	0.14
		0.02	0.02		0.04	0.06		0.20	0.18		-0.04	0.04		0.13	0.01
NM37AU	0.92	0.18	0.52	1.45	-0.45	0.92	9.32	0.37	2.82	1.19	0.44	1.68	1.51	-1.02	1.30
		0.04	0.02		-0.15	0.04		0.72	0.42		0.08	0.08		-0.48	0.09
LU92FX	0.55	-1.47		1.25	-1.06		8.12	-0.25		1.01	-0.53		1.99	0.00	
		-0.33	0.00		-0.35	0.00		-0.49	0.00		-0.10	0.00		0.00	0.00
Z9LAXF	0.69	-0.83	0.84	1.21	-1.17	0.39	7.25	-0.70	0.88	0.94	-0.92	0.61	1.55	-0.93	1.02
		-0.19	0.03		-0.38	0.02		-1.36	0.13		-0.17	0.03		-0.44	0.07
QP24XR	0.87	-0.03	0.37	1.62	0.07	1.49	8.33	-0.14	0.15	1.13	0.09	0.18	1.99	-0.01	0.30
		-0.01	0.01		0.02	0.06		-0.28	0.02		0.02	0.01		0.00	0.02
KG6H4X	0.88	0.00	2.62	1.48	-0.36	0.26	7.83	-0.40	1.58	1.05	-0.30	1.99	1.78	-0.44	1.16
		0.00	0.10		-0.12	0.01		-0.78	0.24		-0.06	0.10		-0.21	0.08
ZTQT9G	0.88	0.01	0.76	1.62	0.08	1.56	9.30	0.36	1.57	1.25	0.74	0.96	2.15	0.34	0.96
		0.00	0.03		0.03	0.06		0.70	0.23		0.14	0.05		0.16	0.07
YWU4RC	1.07	0.84	0.00	1.74	0.43	0.00	9.04	0.22	0.00	1.11	-0.01	0.01	2.29	0.63	0.00
		0.19	0.00		0.14	0.00		0.43	0.00		0.00	0.00		0.30	0.00
Z9HQBC	0.77	-0.50	0.15	1.36	-0.72	0.89	7.57	-0.53	0.04	0.90	-1.13	0.99	1.58	-0.87	2.72
		-0.11	0.01		-0.24	0.03		-1.03	0.01		-0.21	0.05		-0.41	0.19
Y26GAB	0.78	-0.46	0.02	1.35	-0.74	0.04	8.67	0.03	0.14	1.02	-0.49	0.01	1.80	-0.40	0.08
		-0.10	0.00		-0.24	0.00		0.06	0.02		-0.09	0.00		-0.19	0.01
EDQREV	0.90	0.10	0.15	1.60	0.00	0.15	8.61	0.00	0.20	1.06	-0.25	0.12	1.94	-0.11	0.25
		0.02	0.01		0.00	0.01		0.00	0.03		-0.05	0.01		-0.05	0.02
XXB2JC	1.21	1.45	2.68	1.81	0.64	1.26	9.57	0.50	1.07	1.14	0.16	1.51	2.05	0.13	1.40
		0.33	0.10		0.21	0.05		0.97	0.16		0.03	0.07		0.06	0.10
4TXAV7	0.99	0.49		1.80	0.62		9.87	0.65		1.21	0.53		2.25	0.55	
		0.11	0.00		0.20	0.00		1.26	0.00		0.10	0.00		0.26	0.00
4QUEC3	0.83	-0.22	0.37	1.24	-1.08	0.39	8.91	0.16	0.20	1.10	-0.04	0.44	1.63	-0.76	0.29
		-0.05	0.01		-0.35	0.02		0.30	0.03		-0.01	0.02		-0.36	0.02
M938NJ	0.93	0.22	0.34	1.61	0.04	0.68	8.77	0.09	0.76	1.05	-0.34	0.87	2.07	0.17	0.25
		0.05	0.01		0.01	0.03		0.17	0.11		-0.06	0.04		0.08	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		
Z4BZ87	0.93	0.24	2.04	1.64	0.13	1.79	8.47	-0.07	1.42	1.12	0.07	0.44	2.10	0.23	2.37
		0.05	0.08		0.04	0.07		-0.14	0.21		0.01	0.02		0.11	0.16
6K3QU3	0.80	-0.34	0.40	1.40	-0.60	0.68	7.61	-0.51	0.10	0.91	-1.06	0.42	1.71	-0.60	0.22
		-0.08	0.02		-0.20	0.03		-1.00	0.02		-0.20	0.02		-0.28	0.02
ACVHGX	1.56	3.03	0.00	2.33	2.24	0.00	15.02	3.30	0.00	1.67	2.97	0.00	3.05	2.23	0.00
		0.68	0.00		0.73	0.00		6.41	0.00		0.56	0.00		1.06	0.00
6UNU32	1.38	2.22		2.39	2.43		14.38	2.97		1.80	3.65		3.23	2.61	
		0.50	0.00		0.79	0.00		5.77	0.00		0.69	0.00		1.24	0.00
XJT9V6	0.73	-0.68		1.52	-0.23		0.80	-4.01		1.13	0.12		1.66	-0.69	
		-0.15	0.00		-0.07	0.00		-7.80	0.00		0.02	0.00		-0.33	0.00
Grand Median		0.88			1.60			8.61			1.11			1.99	
Median Abs Dev		0.08			0.15			0.70			0.08			0.25	
Avg Within Lab SD		0.04			0.04			0.15			0.05			0.07	
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		

HCO3 -sp (SubTestCode 104)	in the Salinity Property Groups												Data units: mmolc/L		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHMY	3.79	0.48	0.37	0.93	1.83	0.06	3.27	-0.12	1.64	0.72	1.83	1.60	1.09	1.18	0.53
		0.69	0.08		0.53	0.00		-0.10	0.16		0.38	0.07		0.50	0.06
ETFYA8	2.49	-0.43	1.65	0.33	-0.24	0.00	2.28	-1.23	0.00	0.33	-0.06	0.00	0.33	-0.63	0.00
		-0.61	0.38		-0.07	0.00		-1.10	0.00		-0.01	0.00		-0.27	0.00
QHLKDT	2.78	-0.22	0.90	0.39	0.00	2.76	3.75	0.42	0.49	0.34	0.00	0.00	0.59	0.00	0.79
		-0.32	0.20		0.00	0.05		0.38	0.05		0.00	0.00		0.00	0.08
NM37AU	1.39	-1.20	0.27	0.32	-0.24	1.18	1.71	-1.87	1.09	0.35	0.06	2.54	0.42	-0.41	0.70
		-1.71	0.06		-0.07	0.02		-1.67	0.11		0.01	0.11		-0.18	0.08
LU92FX	4.10	0.70		0.80	1.39		3.70	0.37		0.90	2.70		1.30	1.67	
		1.00	0.00		0.41	0.00		0.33	0.00		0.56	0.00		0.71	0.00
Z9LAXF	4.42	0.93	1.38	0.63	0.80	0.00	3.37	0.00	1.87	0.32	-0.09	0.00	0.74	0.34	1.72
		1.32	0.32		0.24	0.00		0.00	0.18		-0.02	0.00		0.14	0.18
ZTQT9G	5.33	1.56	1.83	0.40	0.02	0.00	4.67	1.45	1.17	0.40	0.30	0.00	0.53	-0.14	2.15
		2.23	0.42		0.01	0.00		1.29	0.12		0.06	0.00		-0.06	0.23
6UNU32	2.30	-0.56		0.22	-0.61		3.50	0.14		0.26	-0.37		0.92	0.78	
		-0.80	0.00		-0.18	0.00		0.13	0.00		-0.08	0.00		0.33	0.00
XJT9V6	3.10	0.00		0.12	-0.94		2.96	-0.46		0.20	-0.67		0.20	-0.92	
		0.00	0.00		-0.27	0.00		-0.41	0.00		-0.14	0.00		-0.39	0.00
Grand Median		3.10			0.39			3.37			0.34			0.59	
Median Abs Dev		0.80			0.18			0.38			0.06			0.27	
Avg Within Lab SD		0.23			0.02			0.10			0.04			0.11	
Labs Included		9			9			9			9			9	
Labs Reporting		9			9			9			9			9	



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

K - sp (SubTestCode 105)	in the Salinity Property Groups												Data units: mmolc/L		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	1.23	0.01	0.50	0.71	0.26	0.84	1.73	0.73	0.14	0.34	0.04	0.85	1.25	0.48	1.16
		0.00	0.03		0.03	0.03		0.26	0.01		0.00	0.03		0.10	0.05
9G9ZXE	1.12	-0.54	0.57	0.67	-0.10	1.81	1.16	-0.88	1.37	0.29	-0.40	0.15	1.11	-0.20	0.38
		-0.11	0.04		-0.01	0.06		-0.31	0.12		-0.05	0.01		-0.04	0.02
QHLKDT	1.31	0.41	0.52	0.83	1.14	1.04	1.64	0.46	0.43	0.36	0.16	0.34	1.29	0.64	0.64
		0.08	0.03		0.14	0.03		0.16	0.04		0.02	0.01		0.14	0.03
NM37AU	1.21	-0.10	2.28	0.89	1.68	1.14	1.90	1.21	3.27	0.58	2.05	3.49	1.05	-0.46	1.96
		-0.02	0.15		0.21	0.04		0.43	0.30		0.24	0.13		-0.10	0.08
Z9LAXF	0.91	-1.55	1.48	0.49	-1.55	0.82	1.30	-0.48	0.39	0.24	-0.84	0.15	0.91	-1.10	0.38
		-0.32	0.10		-0.20	0.03		-0.17	0.04		-0.10	0.01		-0.24	0.02
QP24XR	1.01	-1.06	0.60	0.61	-0.55	0.19	1.40	-0.22	0.28	0.28	-0.55	0.41	0.83	-1.47	1.27
		-0.22	0.04		-0.07	0.01		-0.08	0.03		-0.06	0.02		-0.32	0.05
Z9HQBC	1.08	-0.74	0.30	0.64	-0.32	0.42	1.34	-0.39	0.13	0.31	-0.22	0.44	1.07	-0.37	0.47
		-0.15	0.02		-0.04	0.01		-0.14	0.01		-0.03	0.02		-0.08	0.02
EDQREV	1.23	0.00	0.31	0.75	0.51	0.19	1.58	0.29	0.23	0.35	0.12	0.15	1.24	0.40	0.14
		0.05	1.40		-0.20	0.82		0.10	0.02		0.01	0.01		0.09	0.01
XXB2JC	1.24	0.01	0.09	0.66	-0.03	0.03	1.43	-0.12	0.72	0.30	-0.32	0.86	1.04	-0.51	1.08
		0.36			0.46			-0.04	0.07		-0.04	0.03		-0.11	0.04
4TXAV7	1.30	0.07	0.00	0.74	0.06	0.00	1.64	0.47		0.34	0.00		1.25	0.46	
		0.07	0.00		0.06	0.00		0.17	0.00		0.00	0.00		0.10	0.00
4QUEC3	1.01	-1.05	0.17	0.66	-0.15	1.98	1.10	-1.05	0.06	0.26	-0.66	0.77	0.88	-1.25	0.00
		-0.21	0.01		-0.02	0.06		-0.37	0.01		-0.08	0.03		-0.27	0.00
M938NJ	1.20	-0.14	1.38	0.69	0.10	0.21	1.40	-0.20	0.31	0.35	0.08	0.24	1.18	0.13	1.18
		-0.03	0.09		0.01	0.01		-0.07	0.03		0.01	0.01		0.03	0.05
Z4BZ87	1.28	0.25	1.48	0.66	-0.15	0.37	1.47	0.00	0.99	0.31	-0.23	0.31	1.15	0.00	1.96
		0.05	0.10		-0.02	0.01		0.00	0.09		-0.03	0.01		0.00	0.08
6UNU32	1.83	2.95	0.36	0.97	2.28	1.40	1.85	1.07	0.57	0.52	1.53	0.16	1.54	1.81	0.94
		0.60	0.02		0.29	0.04		0.38	0.05		0.18	0.01		0.39	0.04
XJT9V6	1.41	0.90					2.37	2.54		0.68	2.94		1.33	0.83	
		0.18	0.00					0.90	0.00		0.34	0.00		0.18	0.00
Grand Median		1.23			0.68			1.47			0.34			1.15	
Median Abs Dev		0.08			0.05			0.17			0.04			0.10	
Avg Within Lab SD		0.07			0.03			0.09			0.04			0.04	
Labs Included		15			14			15			15			15	
Labs Reporting		15			14			15			15			15	



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

Ca - sp (SubTestCode 106)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	5.46	0.13	1.78	10.11	0.90	1.09	38.76	0.25	0.41	5.82	0.64	1.38	11.80	0.10	0.31	
		0.13	0.43		1.48	0.31		1.28	0.68		0.66	0.36		0.22	0.16	
9G9ZXE	5.04	-0.28	0.53	8.09	-0.33	1.80	29.32	-1.62	1.33	4.50	-0.64	0.41	10.58	-0.44	1.13	
		-0.29	0.13		-0.55	0.51		-8.16	2.20		-0.66	0.11		-1.01	0.59	
ETFYA8	4.56	-0.75	1.07	8.42	-0.13	0.37	28.88	-1.70	0.34	5.68	0.51	1.45	9.88	-0.75	0.70	
		-0.78	0.26		-0.21	0.11		-8.60	0.57		0.53	0.38		-1.71	0.36	
QHLKDT	5.09	-0.23	1.12	9.22	0.36	1.90	36.36	-0.22	1.15	4.80	-0.35	1.01	12.22	0.28	1.09	
		-0.24	0.27		0.59	0.54		-1.12	1.90		-0.36	0.26		0.64	0.57	
NM37AU	5.17	-0.15	1.42	8.45	-0.11	1.44	37.86	0.07	1.03	5.32	0.16	2.82	8.90	-1.17	1.56	
		-0.16	0.35		-0.18	0.41		0.37	1.70		0.16	0.73		-2.68	0.81	
LU92FX	5.70	0.36		8.00	-0.38		38.80	0.26		6.30	1.10		13.10	0.66		
		0.37	0.00		-0.63	0.00		1.32	0.00		1.14	0.00		1.52	0.00	
Z9LAXF	3.87	-1.42	1.51	6.28	-1.42	1.41	29.13	-1.65	0.65	3.94	-1.18	0.62	8.54	-1.33	0.34	
		-1.46	0.37		-2.35	0.41		-8.35	1.07		-1.22	0.16		-3.05	0.18	
QP24XR	4.90	-0.41	0.12	9.63	0.60	0.53	43.94	1.28	3.45	4.82	-0.32	0.77	10.34	-0.54	0.92	
		-0.43	0.03		0.99	0.15		6.46	5.71		-0.34	0.20		-1.24	0.48	
KG6H4X	5.77	0.42	0.14	8.06	-0.35	0.63	32.68	-0.95	0.36	4.71	-0.43	0.50	9.52	-0.90	2.15	
		0.44	0.04		-0.57	0.18		-4.80	0.60		-0.45	0.13		-2.06	1.12	
ZTQT9G	5.73	0.39	0.94	9.63	0.61	1.41	37.37	-0.02	0.34	6.70	1.49	1.02	13.80	0.97	0.69	
		0.40	0.23		1.00	0.40		-0.12	0.57		1.54	0.26		2.22	0.36	
HML4ZY	3.85	-1.44		7.01	-0.98		38.10	0.12		5.89	0.71		11.61	0.01		
		-1.48	0.00		-1.62	0.00		0.62	0.00		0.73	0.00		0.03	0.00	
YWU4RC	6.41	1.05	0.09	10.26	0.98	0.32	39.70	0.44	0.27	5.45	0.28	0.10	14.51	1.28	0.16	
		1.08	0.02		1.63	0.09		2.21	0.44		0.29	0.03		2.92	0.08	
Z9HQBC	4.43	-0.87	0.21	8.21	-0.26	0.61	31.95	-1.10	0.42	4.25	-0.88	1.07	10.29	-0.56	0.79	
		-0.90	0.05		-0.43	0.18		-5.53	0.70		-0.91	0.28		-1.29	0.41	
EDQREV	5.73	0.38	0.44	10.06	0.87	0.24	42.61	1.01	0.32	5.66	0.49	0.23	12.66	0.47	0.39	
		0.40	0.11		1.43	0.07		5.12	0.52		0.51	0.06		1.08	0.21	
XXB2JC	6.07	0.71	2.17	9.25	0.37	0.80	39.53	0.41	0.91	4.79	-0.36	1.22	10.83	-0.33	0.86	
		0.74	0.53		0.62	0.23		2.05	1.50		-0.37	0.32		-0.75	0.45	
4TXAV7	6.09	0.74		10.03	0.85		40.62	0.62		5.59	0.42		12.77	0.52		
		0.76	0.00		1.40	0.00		3.14	0.00		0.43	0.00		1.19	0.00	
4QUEC3	5.20	-0.13	0.00	6.48	-1.30	0.53	34.03	-0.68	0.82	4.99	-0.16	0.02	8.57	-1.32	0.11	
		-0.13	0.00		-2.15	0.15		-3.45	1.36		-0.16	0.01		-3.02	0.06	
M938NJ	5.20	-0.13	1.25	8.87	0.14	0.31	36.58	-0.18	0.35	4.80	-0.34	0.58	11.55	-0.01	0.93	
		-0.13	0.30		0.24	0.09		-0.91	0.57		-0.35	0.15		-0.03	0.49	
Z4BZ87	5.81	0.46	1.56	8.82	0.11	1.38	37.60	0.02	0.95	4.79	-0.36	1.07	11.83	0.11	2.44	
		0.48	0.38		0.18	0.39		0.12	1.57		-0.37	0.28		0.25	1.27	
ACVHGX	10.70	5.21	0.00	14.58	3.60	0.00	51.19	2.72	0.00	8.76	3.47	0.00	18.88	3.19	0.00	
		5.37	0.00		5.95	0.00		13.71	0.00		3.60	0.00		7.30	0.00	



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6UNU32	8.45	3.03	0.06	12.66	2.44	1.29	41.85	0.87	0.37	7.97	2.71	0.65	15.51	1.72	0.25
		3.12	0.01		4.03	0.37		4.37	0.61		2.81	0.17		3.93	0.13
XJT9V6	5.74	0.40		0.06	-5.19		37.13	-0.07		7.27	2.04		13.53	0.85	
		0.41	0.00		-8.57	0.00		-0.35	0.00		2.11	0.00		1.95	0.00
Grand Median		5.33			8.63			37.5			5.16			11.6	
Median Abs Dev		0.42			0.81			2.1			0.48			1.3	
Avg Within Lab SD		0.24			0.29			1.7			0.26			0.5	
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		

Mg - sp (SubTestCode 107)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHYY	0.93	-0.42	0.67	4.41	0.84	1.15	38.04	0.26	0.40	2.69	0.31	0.95	4.70	0.08	0.15	
		-0.10	0.05		0.58	0.15		1.40	0.64		0.19	0.19		0.08	0.03	
9G9ZXE	0.85	-0.74	0.71	3.36	-0.69	1.11	26.03	-1.95	1.28	2.03	-0.75	0.39	3.84	-0.82	0.78	
		-0.17	0.05		-0.48	0.14		-10.60	2.03		-0.47	0.08		-0.78	0.18	
ETFYA8	1.12	0.42	1.23	3.84	0.00	0.84	33.34	-0.61	0.75	3.46	1.55	2.31	3.98	-0.67	0.79	
		0.10	0.09		0.00	0.11		-3.30	1.20		0.97	0.46		-0.64	0.18	
QHLKDT	0.99	-0.15	0.49	4.23	0.58	1.35	36.65	0.00	0.66	2.47	-0.03	0.47	4.94	0.33	1.24	
		-0.04	0.04		0.40	0.17		0.01	1.06		-0.02	0.09		0.32	0.28	
NM37AU	1.25	1.00	2.13	3.71	-0.18	1.49	36.62	0.00	3.48	3.17	1.07	3.12	3.82	-0.84	1.80	
		0.23	0.15		-0.12	0.19		-0.01	5.55		0.67	0.62		-0.80	0.41	
LU92FX	1.20	0.77		3.40	-0.63		29.90	-1.24		3.40	1.45		4.90	0.29		
		0.18	0.00		-0.43	0.00		-6.74	0.00		0.90	0.00		0.28	0.00	
Z9LAXF	0.90	-0.55	1.98	2.94	-1.30	1.55	31.33	-0.98	0.69	1.99	-0.80	0.56	3.49	-1.18	0.09	
		-0.13	0.14		-0.89	0.20		-5.30	1.11		-0.50	0.11		-1.13	0.02	
QP24XR	0.85	-0.77	0.21	3.81	-0.03	0.44	34.36	-0.42	0.39	2.12	-0.60	0.41	3.62	-1.04	0.97	
		-0.18	0.02		-0.02	0.06		-2.27	0.63		-0.38	0.08		-1.00	0.22	
KG6H4X	1.39	1.60	1.67	3.57	-0.38	1.48	31.88	-0.88	0.18	2.33	-0.26	0.46	3.96	-0.69	2.21	
		0.37	0.12		-0.26	0.19		-4.76	0.28		-0.17	0.09		-0.66	0.50	
ZTQT9G	1.13	0.48	0.80	4.33	0.73	1.62	39.10	0.45	0.79	3.23	1.18	1.17	5.27	0.68	0.92	
		0.11	0.06		0.50	0.21		2.46	1.25		0.74	0.23		0.65	0.21	
HML4ZY	0.98	-0.19		3.83	0.00		40.14	0.65		3.27	1.24		5.52	0.94		
		-0.04	0.00		0.00	0.00		3.50	0.00		0.77	0.00		0.90	0.00	
YWU4RC	1.28	1.13	0.08	4.47	0.93	0.21	38.50	0.34	0.25	2.52	0.03	0.03	5.44	0.86	0.16	
		0.26	0.01		0.64	0.03		1.86	0.41		0.02	0.01		0.82	0.04	
Z9HQBC	0.94	-0.35	0.28	3.63	-0.30	0.76	31.87	-0.88	0.25	2.15	-0.55	0.16	4.04	-0.61	0.41	
		-0.08	0.02		-0.21	0.10		-4.76	0.39		-0.34	0.03		-0.58	0.09	
EDQREV	1.03	0.01	0.56	4.48	0.95	0.55	38.95	0.43	0.36	2.64	0.23	0.20	4.96	0.36	0.23	
		0.00	0.04		0.65	0.07		2.32	0.57		0.14	0.04		0.34	0.05	
XXB2JC	1.24	0.94	1.41	4.24	0.60	0.78	38.64	0.37	0.87	2.36	-0.21	0.84	4.38	-0.25	0.75	
		0.22	0.10		0.41	0.10		2.00	1.38		-0.13	0.17		-0.24	0.17	
4TXAV7	1.19	0.73		4.53	1.01		42.63	1.10		2.78	0.45		5.27	0.68		
		0.17	0.00		0.70	0.00		5.99	0.00		0.28	0.00		0.65	0.00	
4QUEC3	1.02	-0.01	0.24	3.08	-1.10	0.59	35.83	-0.15	0.91	2.39	-0.17	0.03	3.46	-1.21	0.13	
		0.00	0.02		-0.76	0.08		-0.80	1.44		-0.11	0.01		-1.16	0.03	
M938NJ	0.98	-0.18	0.77	3.97	0.20	0.43	34.88	-0.32	0.30	2.37	-0.21	0.38	4.54	-0.08	0.82	
		-0.04	0.06		0.14	0.05		-1.76	0.47		-0.13	0.08		-0.08	0.18	
Z4BZ87	1.21	0.80	1.48	4.12	0.42	1.29	39.13	0.46	1.22	2.41	-0.14	0.71	4.80	0.19	2.39	
		0.18	0.11		0.29	0.17		2.50	1.94		-0.09	0.14		0.18	0.54	
ACVHGX	2.33	5.69	0.00	6.61	4.04	0.00	58.72	4.07	0.00	4.51	3.22	0.00	7.69	3.22	0.00	
		1.31	0.00		2.78	0.00		22.08	0.00		2.01	0.00		3.07	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6UNU32	1.54	2.23	0.32	5.65	2.63	1.24	47.47	2.00	0.62	3.91	2.25	0.43	6.21	1.67	0.25
		0.51	0.02		1.81	0.16		10.83	0.99		1.41	0.08		1.59	0.06
XJT9V6	1.00	-0.10		0.01	-5.56		38.26	0.30		3.15	1.05		5.28	0.69	
		-0.02	0.00		-3.82	0.00		1.62	0.00		0.65	0.00		0.66	0.00
Grand Median		1.02			3.83			36.6			2.50			4.62	
Median Abs Dev		0.12			0.42			2.4			0.31			0.65	
Avg Within Lab SD		0.07			0.13			1.6			0.20			0.23	
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		

Na - sp (SubTestCode 108)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHXY	1.25	0.33	0.88	2.97	21.65	9.45	37.13	0.09	1.27	1.67	0.01	0.11	0.78	0.10	0.06	
		0.09	0.06		2.49	0.47		0.69	1.80		0.00	0.01		0.02	0.00	
9G9ZXE	1.07	-0.37	0.64	0.43	-0.33	0.51	25.52	-1.47	0.78	1.36	-0.69	0.41	0.63	-0.78	0.21	
		-0.10	0.05		-0.04	0.03		-10.93	1.10		-0.31	0.04		-0.13	0.02	
ETFYA8	1.17	0.01	1.39	0.64	1.43	1.84	29.48	-0.94	1.33	2.67	2.29	1.34	0.90	0.83	0.49	
		0.00	0.10		0.16	0.09		-6.97	1.89		1.01	0.14		0.14	0.04	
QHLKDT	1.28	0.44	0.82	0.51	0.33	0.53	40.07	0.49	2.15	1.72	0.13	0.75	0.93	0.98	0.72	
		0.11	0.06		0.04	0.03		3.62	3.05		0.06	0.08		0.16	0.05	
NM37AU	1.04	-0.49	3.37	0.59	1.03	3.05	33.38	-0.41	2.79	1.79	0.27	3.21	0.82	0.32	2.49	
		-0.13	0.24		0.12	0.15		-3.07	3.95		0.12	0.34		0.05	0.18	
LU92FX	1.20	0.13		0.40	-0.62		40.10	0.49		2.70	2.35		0.80	0.22		
		0.03	0.00		-0.07	0.00		3.65	0.00		1.03	0.00		0.04	0.00	
Z9LAXF	0.90	-1.01	1.52	0.41	-0.51	0.62	28.17	-1.12	0.74	1.26	-0.92	0.95	0.59	-1.02	0.69	
		-0.26	0.11		-0.06	0.03		-8.28	1.05		-0.41	0.10		-0.17	0.05	
QP24XR	1.13	-0.13	0.65	0.45	-0.22	2.02	30.92	-0.74	0.10	1.39	-0.63	1.17	0.59	-1.04	1.48	
		-0.03	0.05		-0.03	0.10		-5.53	0.15		-0.28	0.13		-0.17	0.11	
KG6H4X	1.11	-0.22	0.42	0.38	-0.77	0.58	31.11	-0.72	0.07	1.48	-0.42	0.56	0.63	-0.82	0.88	
		-0.06	0.03		-0.09	0.03		-5.34	0.10		-0.19	0.06		-0.14	0.06	
ZTQT9G	1.30	0.51	0.00	0.47	-0.04	1.17	37.13	0.09	0.92	1.73	0.15	0.54	0.77	0.02	0.79	
		0.13	0.00		-0.01	0.06		0.69	1.31		0.07	0.06		0.00	0.06	
HML4ZY	0.94	-0.87		0.41	-0.54		36.16	-0.04		1.71	0.10		0.76	-0.02		
		-0.23	0.00		-0.06	0.00		-0.29	0.00		0.04	0.00		0.00	0.00	
YWU4RC	1.40	0.89	0.00	0.57	0.88	0.12	37.74	0.17	0.12	1.68	0.04	0.14	0.89	0.76	0.00	
		0.23	0.00		0.10	0.01		1.29	0.16		0.02	0.02		0.13	0.00	
Z9HQBC	1.01	-0.61	0.23	0.53	0.47	0.34	29.05	-1.00	0.19	1.44	-0.51	1.38	0.74	-0.15	2.13	
		-0.16	0.02		0.05	0.02		-7.39	0.27		-0.22	0.15		-0.03	0.16	
EDQREV	1.16	-0.01	0.49	0.60	1.11	0.35	37.73	0.17	0.50	1.66	-0.01	0.11	0.82	0.32	1.82	
		0.00	0.04		0.13	0.02		1.28	0.70		0.00	0.01		0.05	0.13	
XXB2JC	1.30	0.50	1.16	0.48	0.04	0.31	39.88	0.46	1.01	1.58	-0.19	1.13	0.68	-0.52	0.29	
		0.13	0.08		0.01	0.02		3.44	1.43		-0.08	0.12		-0.09	0.02	
4TXAV7	1.27	0.39		0.52	0.42		41.00	0.61		1.70	0.08		0.78	0.10		
		0.10	0.00		0.05	0.00		4.55	0.00		0.03	0.00		0.02	0.00	
4QUEC3	1.04	-0.49	0.24	0.39	-0.74	0.31	32.63	-0.51	0.09	1.38	-0.65	0.32	0.56	-1.20	0.16	
		-0.13	0.02		-0.09	0.02		-3.82	0.13		-0.29	0.03		-0.20	0.01	
M938NJ	1.10	-0.25	0.59	0.41	-0.58	0.07	32.55	-0.53	0.54	1.52	-0.32	0.43	0.65	-0.70	0.36	
		-0.06	0.04		-0.07	0.00		-3.90	0.76		-0.14	0.05		-0.12	0.03	
Z4BZ87	1.25	0.32	0.77	0.48	0.07	0.00	36.73	0.04	1.38	1.50	-0.37	0.84	0.72	-0.28	0.87	
		0.08	0.06		0.01	0.00		0.29	1.96		-0.16	0.09		-0.05	0.06	
ACVHGX	2.21	3.99	0.00	0.78	2.68	0.00	54.23	2.40	0.00	2.47	1.82	0.00	1.18	2.51	0.00	
		1.04	0.00		0.31	0.00		17.78	0.00		0.80	0.00		0.42	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		
6UNU32	1.65	1.86	0.28	0.55	0.68	0.43	44.49	1.08	0.49	2.36	1.57	0.28	0.91	0.88	0.31
		0.49	0.02		0.08	0.02		8.05	0.70		0.69	0.03		0.15	0.02
		2.19			-4.01			0.24			3.14			4.25	
XJT9V6	1.74	0.57	0.00	0.01	-0.46	0.00	38.26	1.81	0.00	3.05	1.38	0.00	1.47	0.71	0.00
Grand Median		1.17			0.47			36.4			1.67			0.76	
Median Abs Dev		0.11			0.06			3.6			0.15			0.10	
Avg Within Lab SD		0.07			0.05			1.4			0.11			0.07	
Labs Included		20			20			20			20			20	
Labs Reporting		20			20			20			20			20	



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

SAR - sp (SubTestCode 109)	in the Salinity Property Groups															Data units: value
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHYY	0.70	0.43	1.77	1.10	8.67	3.77	5.99	0.03	1.21	0.81	-0.03	0.48	0.27	0.06	0.00	
		0.03	0.06		0.91	0.19		0.04	0.24		0.00	0.02		0.00	0.00	
ETFYA8	0.69	0.33	1.10	0.26	0.59	0.71	5.28	-0.43	1.46	1.25	3.60	1.27	0.34	1.74	0.72	
		0.02	0.04		0.06	0.04		-0.67	0.29		0.44	0.05		0.07	0.02	
QHLKDT	0.74	0.88	0.89	0.20	0.02	0.16	6.63	0.44	2.40	0.90	0.75	0.91	0.32	1.12	0.63	
		0.07	0.03		0.00	0.01		0.68	0.47		0.09	0.04		0.05	0.02	
NM37AU	0.58	-1.23	3.22	0.24	0.42	1.11	5.46	-0.31	2.20	0.86	0.42	2.90	0.32	1.26	1.97	
		-0.09	0.11		0.04	0.06		-0.49	0.43		0.05	0.12		0.05	0.06	
LU92FX	0.70	0.40		0.20	0.05		6.80	0.55		1.20	3.18		0.30	0.73		
		0.03	0.00		0.01	0.00		0.85	0.00		0.39	0.00		0.03	0.00	
Z9LAXF	0.58	-1.16	1.15	0.19	-0.02	0.11	5.12	-0.53	0.51	0.73	-0.66	1.13	0.24	-0.62	0.73	
		-0.09	0.04		0.00	0.01		-0.83	0.10		-0.08	0.05		-0.03	0.02	
QP24XR	0.67	0.00	0.75	0.17	-0.21	0.82	4.95	-0.65	0.73	0.75	-0.55	1.44	0.22	-1.09	1.41	
		0.00	0.03		-0.02	0.04		-1.00	0.15		-0.07	0.06		-0.05	0.04	
ZTQT9G	0.70	0.40	0.00	0.17	-0.27	1.14	5.97	0.01	1.05	0.80	-0.11	0.00	0.27	-0.06	2.02	
		0.03	0.00		-0.03	0.06		0.02	0.21		-0.01	0.00		0.00	0.06	
HML4ZY	0.60	-0.94		0.18	-0.14		16.00	6.46		0.80	-0.11		0.26	-0.22		
		-0.07	0.00		-0.01	0.00		10.05	0.00		-0.01	0.00		-0.01	0.00	
YWU4RC	0.71	0.55	0.20	0.21	0.16	0.01	6.04	0.06	0.27	0.85	0.28	0.30	0.28	0.31	0.02	
		0.04	0.01		0.02	0.00		0.09	0.05		0.03	0.01		0.01	0.00	
Z9HQBC	0.61	-0.76	0.33	0.22	0.21	0.11	5.14	-0.52	0.23	0.81	-0.05	1.52	0.28	0.18	1.93	
		-0.06	0.01		0.02	0.01		-0.81	0.05		-0.01	0.06		0.01	0.06	
EDQREV	0.63	-0.49	0.33	0.22	0.27	0.11	5.91	-0.03	0.35	0.82	0.03	0.14	0.28	0.18	1.62	
		-0.04	0.01		0.03	0.01		-0.04	0.07		0.00	0.01		0.01	0.05	
XXB2JC	0.68	0.13	0.57	0.19	-0.08	0.11	6.41	0.29	0.56	0.84	0.22	0.86	0.24	-0.62	0.20	
		0.01	0.02		-0.01	0.01		0.46	0.11		0.03	0.04		-0.03	0.01	
4TXAV7	0.67	0.00		0.20	0.05		6.36	0.26		0.83	0.14		0.26	-0.22		
		0.00	0.00		0.01	0.00		0.41	0.00		0.02	0.00		-0.01	0.00	
4QUEC3	0.58	-1.20		0.18	-0.14		5.39	-0.36		0.74	-0.60		0.23	-0.93		
		-0.09	0.00		-0.01	0.00		-0.56	0.00		-0.07	0.00		-0.04	0.00	
M938NJ	0.63	-0.58	0.16	0.16	-0.33	0.00	5.44	-0.33	0.45	0.80	-0.08	0.28	0.23	-1.01	0.20	
		-0.04	0.01		-0.03	0.00		-0.51	0.09		-0.01	0.01		-0.04	0.01	
Z4BZ87	0.67	-0.04	0.16	0.19	-0.08	0.11	5.93	-0.01	1.06	0.80	-0.14	0.60	0.25	-0.54	0.40	
		0.00	0.01		-0.01	0.01		-0.02	0.21		-0.02	0.03		-0.02	0.01	
ACVHGX	0.87	2.61	0.00	0.24	0.44	0.00	7.32	0.88	0.00	0.96	1.21	0.00	0.32	1.25	0.00	
		0.20	0.00		0.05	0.00		1.37	0.00		0.15	0.00		0.05	0.00	
XJT9V6	0.95	3.75		0.04	-1.48		6.23	0.18		1.34	4.33		0.48	5.01		
		0.28	0.00		-0.15	0.00		0.28	0.00		0.53	0.00		0.21	0.00	



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		0.67			0.19			5.95			0.81			0.27	
Median Abs Dev		0.04			0.02			0.50			0.03			0.03	
Avg Within Lab SD		0.04			0.05			0.20			0.04			0.03	
Labs Included		18			18			18			18			18	
Labs Reporting		18			18			18			18			18	



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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: mmolc/L
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	0.44	1.73	2.82	3.62	9.88	4.24	53.69	0.60	1.51	1.81	0.71	0.63	0.59	0.35	0.46	
		0.17	0.08		3.28	0.45		5.75	2.77		0.25	0.07		0.08	0.02	
ETFYA8	0.28	0.11	0.06	0.35	0.01	0.11	43.89	-0.42	0.56	2.47	2.57	2.60	0.48	-0.15	0.09	
		0.01	0.00		0.00	0.01		-4.06	1.03		0.90	0.28		-0.03	0.01	
QHLKDT	0.20	-0.75	0.12	0.30	-0.13	0.04	47.94	0.00	0.09	1.56	-0.02	0.12	0.55	0.13	2.09	
		-0.07	0.00		-0.04	0.00		0.00	0.16		-0.01	0.01		0.03	0.11	
47JL8F	0.23	-0.37	1.89	0.35	0.02	0.25	42.19	-0.60	0.73	1.65	0.23	0.12	0.52	0.01	1.15	
		-0.04	0.05		0.01	0.03		-5.76	1.34		0.08	0.01		0.00	0.06	
NM37AU	0.41	1.44	1.69	0.39	0.14	0.30	55.10	0.74	2.52	1.87	0.86	1.81	0.54	0.12	0.48	
		0.14	0.05		0.05	0.03		7.16	4.60		0.30	0.19		0.03	0.03	
LU92FX	0.30	0.30		0.30	-0.12		38.50	-0.98		1.40	-0.46		0.40	-0.53		
		0.03	0.00		-0.04	0.00		-9.44	0.00		-0.16	0.00		-0.12	0.00	
Z9LAXF	0.19	-0.85	0.94	0.26	-0.23	0.11	40.60	-0.76	0.22	1.34	-0.65	0.84	0.38	-0.62	0.37	
		-0.08	0.03		-0.08	0.01		-7.34	0.40		-0.23	0.09		-0.14	0.02	
QP24XR	0.21	-0.61	0.00	0.27	-0.22	0.20	48.14	0.02	0.47	1.53	-0.09	0.56	0.48	-0.17	1.98	
		-0.06	0.00		-0.07	0.02		0.19	0.87		-0.03	0.06		-0.04	0.11	
KG6H4X	0.27	0.00	0.99	0.32	-0.07	0.20	49.75	0.19	2.44	1.56	0.00	1.26	0.42	-0.44	0.18	
		0.00	0.03		-0.02	0.02		1.80	4.47		0.00	0.14		-0.10	0.01	
ZTQT9G	0.31	0.41	1.34	0.38	0.11	0.76	58.17	1.06	0.46	1.86	0.84	0.80	0.58	0.29	1.74	
		0.04	0.04		0.04	0.08		10.22	0.83		0.30	0.09		0.06	0.10	
YWU4RC	0.29	0.20	0.00	0.37	0.09	0.00	50.25	0.24	0.01	1.57	0.02	0.00	0.59	0.33	0.00	
		0.02	0.00		0.03	0.00		2.31	0.02		0.01	0.00		0.07	0.00	
Z9HQBC	0.21	-0.66	0.30	0.33	-0.02	0.09	39.46	-0.88	0.19	1.39	-0.49	1.98	0.43	-0.39	2.20	
		-0.06	0.01		-0.01	0.01		-8.48	0.35		-0.17	0.21		-0.08	0.12	
Y26GAB	0.00	-2.73	0.00	0.00	-1.02	0.00	14.01	-3.51	0.00	0.56	-2.84	0.00	0.00	-2.34	0.00	
		-0.27	0.00		-0.34	0.00		-33.93	0.00		-1.00	0.00		-0.52	0.00	
EDQREV	0.20	-0.74	0.22	0.34	-0.01	0.11	52.32	0.45	1.69	1.38	-0.52	0.09	0.42	-0.42	0.90	
		-0.07	0.01		0.00	0.01		4.37	3.10		-0.18	0.01		-0.09	0.05	
XXB2JC							48.42	0.05	0.47	1.59	0.07	0.66				
								0.48	0.86		0.02	0.07				
4TXAV7	0.30	0.30		0.48	0.42		60.65	1.32		1.94	1.07		0.61	0.42		
		0.03	0.00		0.14	0.00		12.71	0.00		0.38	0.00		0.09	0.00	
4QUEC3	0.24	-0.30	0.00	0.27	-0.21	0.00	45.04	-0.30	0.09	1.38	-0.51	0.11	0.35	-0.74	0.11	
		-0.03	0.00		-0.07	0.00		-2.91	0.16		-0.18	0.01		-0.16	0.01	
M938NJ	0.25	-0.24	0.68	0.34	0.00	0.22	44.60	-0.35	0.13	1.59	0.07	0.45	0.52	0.00	0.05	
		-0.02	0.02		0.00	0.02		-3.35	0.24		0.02	0.05		0.00	0.00	
Z4BZ87							51.33	0.35	1.14	1.65	0.24	0.39				
								3.39	2.08		0.08	0.04				
6K3QU3	0.30	0.31	0.60	0.36	0.05	0.41	40.34	-0.79	0.80	1.34	-0.62	1.61	0.52	0.00	0.30	
		0.03	0.02		0.02	0.04		-7.61	1.47		-0.22	0.17		0.00	0.02	



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6UNU32	0.34	0.75		0.36	0.04		53.48	0.57		1.12	-1.27		1.70	5.35	
		0.07	0.00		0.01	0.00		5.53	0.00		-0.45	0.00		1.18	0.00
XJT9V6	15.80	157.60		1,443.83	4,350.43		17.01	-3.20		33.67	91.36		15.52	68.12	
		15.53	0.00		1,443.49	0.00		-30.93	0.00		32.11	0.00		15.00	0.00
Grand Median		0.27			0.34			47.9			1.56			0.52	
Median Abs Dev		0.04			0.04			5.5			0.18			0.08	
Avg Within Lab SD		0.03			0.11			1.8			0.11			0.05	
Labs Included		19			19			21			21			19	
Labs Reporting		19			19			21			21			19	



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHYY	1.66	-0.13	0.54	0.90	1.68	0.13	62.43	0.40	0.47	1.54	0.31	0.67	1.82	0.63	0.86	
		-0.03	0.04		0.25	0.01		3.52	1.03		0.17	0.12		0.19	0.10	
9G9ZXE	1.57	-0.48	0.73	0.69	0.23	1.84	41.50	-1.97	1.23	1.15	-0.40	0.77	1.55	-0.29	0.27	
		-0.12	0.06		0.03	0.07		-17.41	2.69		-0.22	0.14		-0.08	0.03	
ETFYA8	1.59	-0.40	0.84	0.83	1.20	0.86	46.65	-1.38	0.33	3.19	3.36	2.45	1.74	0.36	1.10	
		-0.10	0.06		0.18	0.03		-12.25	0.72		1.82	0.44		0.11	0.13	
QHLKDT	1.62	-0.29	0.19	0.62	-0.26	0.08	58.25	-0.07	0.18	1.16	-0.39	0.04	1.65	0.06	0.07	
		-0.07	0.01		-0.04	0.00		-0.66	0.39		-0.21	0.01		0.02	0.01	
47JL8F	1.76	0.25	0.52	0.64	-0.09	0.43	63.96	0.57	1.00	1.18	-0.36	0.18	1.80	0.57	0.08	
		0.06	0.04		-0.01	0.02		5.05	2.17		-0.19	0.03		0.17	0.01	
NM37AU	1.95	1.03	0.83	0.78	0.87	2.53	56.11	-0.32	3.11	2.01	1.18	2.93	1.66	0.08	1.63	
		0.26	0.06		0.13	0.10		-2.79	6.78		0.64	0.53		0.02	0.19	
LU92FX	1.79	0.37		0.63	-0.16		50.27	-0.98		3.07	3.13		2.04	1.36		
		0.09	0.00		-0.02	0.00		-8.63	0.00		1.70	0.00		0.40	0.00	
Z9LAXF	1.37	-1.30	1.18	0.54	-0.78	0.69	46.33	-1.42	0.41	1.19	-0.32	0.69	1.26	-1.27	0.54	
		-0.32	0.09		-0.11	0.03		-12.57	0.90		-0.18	0.12		-0.37	0.06	
QP24XR	1.76	0.28	0.08	0.65	-0.05	0.99	58.92	0.00	0.19	1.09	-0.52	0.48	1.37	-0.92	0.85	
		0.07	0.01		-0.01	0.04		0.01	0.42		-0.28	0.09		-0.27	0.10	
KG6H4X	1.48	-0.84	0.33	0.66	0.02	0.30	47.40	-1.30	0.31	1.40	0.05	1.03	1.48	-0.53	0.17	
		-0.21	0.03		0.00	0.01		-11.51	0.68		0.03	0.19		-0.16	0.02	
ZTQT9G	1.96	1.06	1.71	0.79	0.94	2.05	66.00	0.80	0.38	1.97	1.12	0.57	2.27	2.16	1.71	
		0.26	0.13		0.14	0.08		7.09	0.82		0.60	0.10		0.64	0.20	
YWU4RC	1.78	0.33	0.08	0.59	-0.43	0.00	59.25	0.04	0.02	1.19	-0.32	0.03	1.62	-0.06	0.00	
		0.08	0.01		-0.06	0.00		0.35	0.05		-0.18	0.01		-0.02	0.00	
Z9HQBC	1.80	0.42	0.13	1.19	3.64	0.63	58.90	0.00	0.45	1.37	0.00	1.24	1.90	0.91	3.05	
		0.10	0.01		0.53	0.02		-0.01	0.99		0.00	0.22		0.27	0.36	
EDQREV	1.65	-0.16	0.28	0.73	0.52	1.05	67.45	0.96	2.24	1.14	-0.43	0.03	1.44	-0.66	0.30	
		-0.04	0.02		0.08	0.04		8.54	4.90		-0.23	0.01		-0.19	0.04	
XXB2JC	1.96	1.08	0.93	0.61	-0.27	0.84	59.51	0.07	0.58	1.15	-0.40	0.54	1.52	-0.41	0.61	
		0.27	0.07		-0.04	0.03		0.61	1.26		-0.22	0.10		-0.12	0.07	
4TXAV7	1.68	-0.05		0.65	-0.02		62.50	0.41		1.37	0.00		1.58	-0.19		
		-0.01	0.00		0.00	0.00		3.59	0.00		0.00	0.00		-0.06	0.00	
4QUEC3	1.37	-1.30	0.23	0.66	0.07	0.15	52.92	-0.68	0.17	1.44	0.12	0.03	1.38	-0.89	0.10	
		-0.32	0.02		0.01	0.01		-5.99	0.36		0.07	0.01		-0.26	0.01	
M938NJ	1.56	-0.55	0.34	0.53	-0.84	0.46	55.36	-0.40	0.76	1.20	-0.32	0.19	1.52	-0.41	0.25	
		-0.14	0.03		-0.12	0.02		-3.55	1.66		-0.17	0.03		-0.12	0.03	
Z4BZ87	1.71	0.05	1.88	0.76	0.73	1.05	64.77	0.66	0.86	1.47	0.18	0.58	1.66	0.09	1.10	
		0.01	0.14		0.11	0.04		5.86	1.88		0.10	0.11		0.03	0.13	
6UNU32	2.47	3.13	2.89	0.76	0.70	0.10	68.33	1.06	0.31	1.67	0.56	0.16	2.12	1.65	0.57	
		0.78	0.22		0.10	0.00		9.43	0.69		0.30	0.03		0.49	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		
XJT9V6	7.14	21.83 5.45	0.00	0.25	-2.76 -0.40	0.00	181.66	13.87 122.75	0.00	10.74	17.31 9.37	0.00	7.13	18.67 5.49	0.00
Grand Median		1.69			0.65			58.9			1.37			1.64	
Median Abs Dev		0.10			0.07			5.5			0.20			0.16	
Avg Within Lab SD		0.08			0.04			2.2			0.18			0.12	
Labs Included		20			20			20			20			20	
Labs Reporting		20			20			20			20			20	



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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																
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			Data units: mmolc/L
P2ZHYY	2.6	-0.6	0.1	13.3	0.0	0.9	0.0	-0.5	0.0	6.8	0.1	0.0	15.3	-0.1	0.8	
		-1.2	0.0		0.0	0.3		-0.2	0.0		0.2	0.0		-0.4	0.6	
2V9A2L	0.1	-1.7	0.0	18.6	2.2	0.4	0.1	-0.4	0.0	8.5	1.6	0.1	24.5	2.1	0.4	
		-3.7	0.0		5.4	0.1		-0.2	0.0		1.8	0.0		8.8	0.3	
QHLKDT	4.6	0.4	0.1	14.0	0.3	0.1	0.1	-0.2	0.1	6.6	0.0	0.2	17.0	0.3	0.2	
		0.8	0.0		0.7	0.1		-0.1	0.0		0.0	0.0		1.3	0.1	
NM37AU	4.9	0.5	0.9	11.4	-0.8	0.9	1.7	3.3	2.6	6.9	0.2	1.4	11.2	-1.1	0.9	
		1.1	0.3		-1.9	0.4		1.5	0.2		0.3	0.3		-4.5	0.7	
LU92FX	3.8	0.0	0.0	13.4	0.0	0.0	0.3	0.0	0.0	8.5	1.6	0.0	20.5	1.2	0.0	
		-1.5	0.2		-1.9	0.5		-0.5	0.2		-1.2	0.2		-1.1	0.8	
Z9LAXF	0.7	-3.1	0.1	8.7	-4.5	0.2	0.0	-0.2	0.0	5.3	-1.4	0.0	11.3	-4.4	0.6	
		0.1	0.2		0.0	0.5		0.5	2.1		0.0	1.3		-0.1	0.3	
QP24XR	4.0	0.2	0.1	13.2	-0.1	0.2	0.5	0.2	0.1	6.7	0.0	0.3	15.2	-0.5	0.2	
		-0.1	0.1		-0.6	0.6		0.0	0.1		-1.3	1.4		-0.6	2.1	
Z9HQBC	3.6	-0.2	0.0	11.7	-1.5	0.2	0.2	0.0	0.0	5.2	-1.5	0.3	13.1	-2.6	1.6	
		0.5	0.1		0.7	1.9		0.0	0.7		0.3	0.1		0.4	0.2	
EDQREV	4.9	1.1	0.0	14.9	1.7	0.7	0.3	0.0	0.0	7.0	0.3	0.0	17.5	1.8	0.2	
		0.8	0.8		0.3	1.7		1.5	1.4		0.0	2.7		-0.2	0.9	
XXB2JC	5.6	1.8	0.2	13.9	0.6	0.7	0.9	0.7	0.1	6.6	0.0	0.5	15.0	-0.7	0.7	
		-0.2			-0.2			-0.3			0.6			0.0		
4TXAV7	3.4	-0.4	0.0	12.9	-0.4	0.0	0.1	-0.1	0.0	7.3	0.6	0.0	15.7	0.0	0.0	
		-1.7	0.0		-2.0	0.0		0.4	0.0		-0.9	0.2		-1.4		
4QUEC3	0.2	-3.6	0.0	8.4	-4.8	0.0	0.4	0.2	0.0	5.6	-1.1	0.0	10.0	-5.7	0.0	
		0.3	0.3		-0.2	0.0		-0.5	0.0		-0.3	1.0		0.2	0.5	
M938NJ	4.4	0.6	0.1	12.7	-0.6	0.0	0.0	-0.2	0.0	6.3	-0.3	0.2	16.5	0.8	0.4	
		-0.7	3.7		0.0	2.3					-0.1	0.9		0.3	2.7	
Z4BZ87	2.2	-1.6	1.1	13.3	0.0	0.9				6.6	-0.1	0.2	16.8	1.1	2.0	
		1.1			0.8			1.2			1.8			1.2		
6UNU32	6.2	2.4	0.0	15.3	2.0	0.0	0.8	0.5	0.0	8.7	2.0	0.0	20.6	4.9	0.0	
Grand Median		3.80			13.3			0.24			6.66			15.7		
Median Abs Dev		1.14			0.7			0.20			0.34			1.8		
Avg Within Lab SD		0.30			0.4			0.07			0.19			0.8		
Labs Included		15			15			14			15			15		
Labs Reporting		15			15			14			15			15		



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

B - sp (SubTestCode 113)	in the Salinity Property Groups												Data units: mg/L		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	0.129	-0.199	0.590	0.065	0.474	1.267	0.274	-0.156	0.541	0.082	0.014	1.083	0.103	0.240	0.999
		-0.013	0.007		0.015	0.011		-0.012	0.006		0.001	0.011		0.014	0.009
9G9ZXE	0.120	-0.340	0.843	0.037	-0.436	1.393	0.233	-0.701	1.878	0.057	-0.459	0.595	0.087	-0.028	1.357
		-0.022	0.010		-0.013	0.012		-0.052	0.021		-0.024	0.006		-0.002	0.012
QHLKDT	0.177	0.549	0.450	0.074	0.783	0.448	0.356	0.942	1.153	0.102	0.396	0.415	0.134	0.776	0.478
		0.035	0.005		0.024	0.004		0.070	0.013		0.021	0.004		0.046	0.004
NM37AU	0.143	0.026	2.708	0.067	0.545	1.843	0.247	-0.523	1.042	0.090	0.176	1.031	0.087	-0.028	1.357
		0.002	0.032		0.017	0.015		-0.039	0.012		0.009	0.010		-0.002	0.012
LU92FX	0.100	-0.654		0.040	-0.327		0.290	0.058		0.050	-0.586		0.090	0.028	
		-0.042	0.000		-0.010	0.000		0.004	0.000		-0.031	0.000		0.002	0.000
QP24XR	1.084	14.786	2.955	0.235	6.059	0.701	2.786	33.515	7.569	0.261	3.441	1.196	0.309	3.729	1.588
		0.942	0.035		0.185	0.006		2.501	0.084		0.181	0.012		0.220	0.014
KG6H4X	0.105	-0.570	0.424	0.037	-0.436	0.697	0.247	-0.523	1.378	0.070	-0.205	1.031	0.063	-0.423	0.679
		-0.036	0.005		-0.013	0.006		-0.039	0.015		-0.011	0.010		-0.025	0.006
ZTQT9G	0.187	0.706	0.973	0.047	-0.109	1.843	0.287	0.013	1.378	0.087	0.113	1.191	0.067	-0.367	1.357
		0.045	0.012		-0.003	0.015		0.001	0.015		0.006	0.012		-0.022	0.012
Z9HQBC	0.143	0.026	0.486	0.053	0.109	0.697	0.320	0.460	0.000	0.087	0.113	2.146	0.110	0.367	1.175
		0.002	0.006		0.003	0.006		0.034	0.000		0.006	0.021		0.022	0.010
Y26GAB	0.103	-0.602	0.486	0.027	-0.763	0.697	0.240	-0.612	0.000	0.080	-0.014	1.031	0.083	-0.085	1.796
		-0.038	0.006		-0.023	0.006		-0.046	0.000		-0.001	0.010		-0.005	0.015
EDQREV	0.140	-0.026	0.000	0.060	0.327	0.000	0.327	0.549	1.378	0.080	-0.014	1.031	0.110	0.367	0.000
		-0.002	0.000		0.010	0.000		0.041	0.015		-0.001	0.010		0.022	0.000
6UNU32	0.149	0.120	1.344	0.024	-0.840	0.070	0.285	-0.013	0.260	0.070	-0.211	0.157	0.086	-0.040	0.424
		0.008	0.016		-0.026	0.001		-0.001	0.003		-0.011	0.002		-0.002	0.004
XJT9V6	0.414	4.275		0.140	2.944		0.550	3.543		0.385	5.794		0.404	5.346	
		0.272	0.000		0.090	0.000		0.264	0.000		0.304	0.000		0.316	0.000
Grand Median		0.14			0.050			0.29			0.081			0.088	
Median Abs Dev		0.03			0.014			0.04			0.010			0.018	
Avg Within Lab SD		0.01			0.008			0.01			0.010			0.009	
Labs Included		12			12			12			12			12	
Labs Reporting		12			12			12			12			12	



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

Soil EC (1:1) (SubTestCode 114)			in the Soil pH & EC Property Groups												Data units: dS/m		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
2V9A2L	0.58	0.74	0.00	0.65	1.57	0.20	5.60	1.57	0.04	0.40	0.51	0.19	0.56	1.06	0.00		
		0.10	0.00		0.19	0.01		1.55	0.01		0.03	0.01		0.11	0.00		
ETFYA8	0.46	-0.14	0.31	0.41	-0.49	1.08	4.05	0.00	0.15	0.37	0.06	0.40	0.45	0.00	0.76		
		-0.02	0.02		-0.06	0.03		0.00	0.04		0.00	0.01		0.00	0.03		
WN8QDL	0.48	-0.03	0.22	0.44	-0.20	0.19	3.21	-0.84	0.02	0.34	-0.30	0.00	0.40	-0.41	0.13		
		0.00	0.01		-0.02	0.01		-0.83	0.01		-0.02	0.00		-0.04	0.01		
QHLKDT	0.40	-0.62	0.21	0.55	0.72	0.52	5.21	1.17	0.14	0.36	0.00	0.28	0.49	0.43	0.19		
		-0.08	0.01		0.09	0.02		1.16	0.04		0.00	0.01		0.05	0.01		
NM37AU	0.57	0.69	0.50	0.44	-0.17	0.72	3.81	-0.24	0.57	0.45	1.34	1.27	0.55	1.00	0.74		
		0.09	0.03		-0.02	0.02		-0.24	0.16		0.09	0.04		0.11	0.03		
LU92FX	0.48	-0.04	0.11	0.43	-0.25	0.20	3.81	-0.24	0.11	0.34	-0.33	0.33	0.42	-0.24	0.00		
		-0.01	0.01		-0.03	0.01		-0.24	0.03		-0.02	0.01		-0.03	0.00		
9JB2YB	0.51	0.17	1.10	0.46	0.00	0.57	5.20	1.16	0.57	0.43	1.01	0.80	0.39	-0.56	0.34		
		0.02	0.06		0.00	0.02		1.15	0.16		0.07	0.02		-0.06	0.01		
JMZPA2	0.50	0.16	0.11	0.40	-0.50	0.87	0.30	-3.78	0.02	0.35	-0.23	0.19	0.39	-0.55	0.37		
		0.02	0.01		-0.06	0.03		-3.74	0.01		-0.02	0.01		-0.06	0.02		
PD8M9Q	0.22	-1.94	0.61	0.39	-0.62	0.60	3.99	-0.06	2.35	0.27	-1.39	1.28	0.41	-0.29	2.20		
		-0.26	0.03		-0.08	0.02		-0.06	0.64		-0.09	0.04		-0.03	0.09		
4XUXCD	0.57	0.69	0.50	0.30	-1.39	0.20	3.43	-0.62	0.21	0.30	-0.92	0.00	0.33	-1.11	0.28		
		0.09	0.03		-0.17	0.01		-0.61	0.06		-0.06	0.00		-0.12	0.01		
QP24XR	0.59	0.81	0.13	0.59	1.06	0.10	4.92	0.88	0.16	0.38	0.26	0.29	0.37	-0.74	0.06		
		0.11	0.01		0.13	0.00		0.87	0.04		0.02	0.01		-0.08	0.00		
HML4ZY	0.52	0.29	1.02	0.51	0.41	0.72	4.21	0.16	0.02	0.42	0.85	0.33	0.41	-0.36	0.28		
		0.04	0.05		0.05	0.02		0.16	0.01		0.06	0.01		-0.04	0.01		
XV4JLF	0.37	-0.84	0.00	0.48	0.13	0.00	4.11	0.06	0.00	0.36	-0.03	0.00	0.55	0.97	0.00		
		-0.11	0.00		0.02	0.00		0.06	0.00		0.00	0.00		0.10	0.00		
2ZLAYD	0.68	1.49	0.52	0.59	1.04	0.91	4.20	0.15	0.37	0.44	1.19	1.18	0.57	1.13	1.46		
		0.20	0.03		0.13	0.03		0.15	0.10		0.08	0.04		0.12	0.06		
9GTK67	0.38	-0.75	0.12	0.53	0.56	0.73	4.86	0.83	0.24	0.39	0.39	0.71	0.52	0.68	0.30		
		-0.10	0.01		0.07	0.02		0.82	0.07		0.03	0.02		0.07	0.01		
WWZ2MH	0.48	0.01	0.00	0.48	0.13	0.00	4.06	0.01	0.00	0.47	1.51	0.00	0.50	0.46	0.00		
		0.00	0.00		0.02	0.00		0.01	0.00		0.10	0.00		0.05	0.00		
Z9HQBC	0.35	-1.02	3.81	0.57	0.90	1.00	4.14	0.09	2.70	0.36	-0.03	0.44	0.46	0.11	0.35		
		-0.14	0.19		0.11	0.03		0.09	0.74		0.00	0.01		0.01	0.01		
ZT92XC	0.49	0.06	0.34	0.50	0.30		4.05	0.00	0.06	0.36	-0.03	0.33	0.50	0.54	0.14		
		0.01	0.02		0.04	0.00		0.00	0.02		0.00	0.01		0.06	0.01		
V3RMFD	0.48	0.00	0.16	0.34	-1.02	2.73	3.63	-0.42	0.22	0.42	0.90	1.85	0.27	-1.61	1.16		
		0.00	0.01		-0.12	0.08		-0.42	0.06		0.06	0.06		-0.17	0.05		
K4H7TN	0.43	-0.37	1.14	0.30	-1.36	0.00	2.70	-1.36	0.37	0.33	-0.43	1.93	0.43	-0.11	1.40		
		-0.05	0.06		-0.16	0.00		-1.35	0.10		-0.03	0.06		-0.01	0.06		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
9WKG82	0.20	-2.12	1.97	0.30	-1.36	3.45	3.73	-0.32	3.47	0.30	-0.92	3.35	0.33	-1.05	3.70
EDQREV	0.46	-0.28	0.10	0.50	-0.16	0.10	5.66	-0.31	0.95	0.39	-0.06	0.10	0.49	-0.11	0.15
6K3QU3	0.24	-0.15	0.97	0.59	0.28	0.53	4.56	1.63	0.45	0.35	0.40	0.07	0.49	0.41	0.29
EJR4AR	0.53	-0.02	0.05	0.52	0.03	0.02	3.58	1.61	0.12	0.40	0.03	0.00	0.49	0.04	0.01
D79YPQ	0.56	-1.82	0.52	0.46	1.04	0.60	3.97	0.52	0.18	0.35	-0.13	0.70	0.54	0.38	0.28
HU3FFL	0.23	-0.24	0.03	0.23	0.13	0.02	3.21	0.51	0.05	0.12	-0.01	0.02	0.27	0.04	0.01
N6HFCF	651.67	0.39	0.45	501.33	0.44	0.20	5,060.00	-0.47	0.75	478.67	0.60	0.19	601.33	0.41	0.42
9KRXTW	0.54	0.05	0.02	0.42	0.05	0.01	3.37	-0.47	0.21	0.41	0.04	0.01	0.33	0.04	0.02
		0.59	0.20		-0.03	0.69		-0.08	0.25		-0.18	0.89		0.85	0.37
		-0.08	0.01		0.00	0.02		-0.08	0.07		-0.01	0.03		0.09	0.02
		-1.87	1.25		-1.92	0.04		-0.85	0.16		-3.61	0.71		-1.63	0.81
		-0.25	0.06		-0.23	0.00		-0.84	0.04		-0.24	0.02		-0.18	0.03
		4,888.99	435.63		4,145.87	2,003.64		5,108.72	862.32		7,051.34	1,000.71		5,596.16	1,007.90
		651.18	22.14		500.87	58.05		5,055.95	235.16		478.30	29.91		600.89	41.63
		0.44	0.75		-0.33	0.23		-0.68	0.29		0.64	0.35		-1.11	0.29
		0.06	0.04		-0.04	0.01		-0.68	0.08		0.04	0.01		-0.12	0.01
Grand Median		0.48		0.46			4.05			0.36			0.45		
Median Abs Dev		0.08		0.06			0.47			0.03			0.06		
Avg Within Lab SD		0.05		0.03			0.27			0.03			0.04		
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		

Soil EC (1:2) (SubTestCode 115)	in the Soil pH & EC Property Groups														Data units: dS/m	
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
ETFYA8	0.29	0.15	0.77	0.28	-0.64	1.27	3.72	-0.30	0.21	0.24	0.18	1.54	0.30	0.17	1.06	
		0.01	0.01		-0.04	0.02		-0.50	0.05		0.01	0.02		0.01	0.02	
QHLKDT	0.25	-0.53	0.42	0.31	-0.10	0.13	4.09	-0.08	0.12	0.22	-0.13	1.07	0.27	-0.18	0.25	
		-0.04	0.01		-0.01	0.00		-0.13	0.03		-0.01	0.01		-0.01	0.00	
LU92FX	0.36	1.05	0.70	0.32	0.00	1.25	3.81	-0.25	0.10	0.25	0.44	1.57	0.26	-0.43	0.36	
		0.07	0.01		0.00	0.02		-0.41	0.03		0.02	0.02		-0.03	0.01	
PD8M9Q	0.15	-1.98	1.26	0.26	-0.93	0.95	2.64	-0.95	1.67	0.18	-1.17	2.58	0.27	-0.20	3.72	
		-0.14	0.02		-0.06	0.01		-1.58	0.43		-0.05	0.03		-0.01	0.06	
YM93AG	0.27	-0.24	0.03	0.34	0.42	0.59	4.22	0.00	0.08	0.22	-0.18	0.21	0.29	0.00	0.21	
		-0.02	0.00		0.03	0.01		0.00	0.02		-0.01	0.00		0.00	0.00	
QP24XR	0.31	0.31	0.13	0.32	-0.02	0.96	4.07	-0.09	0.05	0.23	0.16	0.48	0.25	-0.48	0.45	
		0.02	0.00		0.00	0.01		-0.15	0.01		0.01	0.00		-0.04	0.01	
9P39J6	0.25	-0.43	0.00	0.35	0.53	0.00	4.67	0.27	0.00	0.20	-0.54	0.00	0.27	-0.22	0.00	
		-0.03	0.00		0.03	0.00		0.45	0.00		-0.02	0.00		-0.02	0.00	
KJBZ3T	0.28	-0.07	0.26	0.25	-0.99	0.70	3.54	-0.41	1.11	0.14	-2.06	0.86	0.12	-2.25	1.01	
		-0.01	0.00		-0.06	0.01		-0.68	0.28		-0.09	0.01		-0.17	0.02	
E8KYJY	0.22	-0.88	0.35	0.29	-0.36	0.47	3.32	-0.54	0.10	0.22	-0.25	0.59	0.26	-0.38	1.07	
		-0.06	0.01		-0.02	0.01		-0.90	0.03		-0.01	0.01		-0.03	0.02	
XD4VUG	0.36	1.10	0.61	0.32	0.00	0.47	3.16	-0.64	0.04	0.25	0.44	0.59	0.31	0.30	0.00	
		0.08	0.01		0.00	0.01		-1.06	0.01		0.02	0.01		0.02	0.00	
MFPVJN	0.29	0.13	3.54	0.37	0.83	1.64	19.33	9.14	4.54	0.26	0.82	0.59	0.39	1.34	0.36	
		0.01	0.06		0.05	0.02		15.11	1.15		0.04	0.01		0.10	0.01	
Z9HQBC	0.18	-1.45	1.26	0.29	-0.46	1.89	3.83	-0.23	1.23	0.19	-0.79	0.59	0.54	3.45	0.85	
		-0.10	0.02		-0.03	0.02		-0.39	0.31		-0.03	0.01		0.25	0.01	
F4VC3W	0.31	0.34	0.30	0.36	0.69	0.25	4.74	0.31	0.07	0.24	0.22	0.31	0.29	0.06	0.15	
		0.02	0.01		0.04	0.00		0.52	0.02		0.01	0.00		0.00	0.00	
YNEK8D	0.37	1.28	0.12	0.43	1.68	0.29	5.72	0.91	0.06	0.28	1.19	0.30	0.37	1.15	2.04	
		0.09	0.00		0.11	0.00		1.50	0.02		0.05	0.00		0.08	0.03	
RF99BG	0.33	0.63	2.37	0.30	-0.27	1.73	3.64	-0.35	0.27	0.23	-0.03	1.79	0.26	-0.43	1.03	
		0.04	0.04		-0.02	0.02		-0.58	0.07		0.00	0.02		-0.03	0.02	
9FFARZ	0.20	-1.21	0.00	0.30	-0.26	0.00	3.60	-0.37	0.00	0.20	-0.63	0.00	0.30	0.16	0.00	
		-0.08	0.00		-0.02	0.00		-0.62	0.00		-0.03	0.00		0.01	0.00	
BX698W	0.28	-0.08	0.24	0.33	0.13	0.79	4.23	0.00	0.25	0.23	0.00	0.06	0.29	0.00	0.14	
		-0.01	0.00		0.01	0.01		0.01	0.06		0.00	0.00		0.00	0.00	
EDQREV	0.34	0.74	0.22	0.28	-0.52	0.49	4.53	0.19	0.27	0.22	-0.10	0.26	0.28	-0.05	0.33	
		0.05	0.00		-0.03	0.01		0.31	0.07		0.00	0.00		0.00	0.01	
XXB2JC	0.26	-0.28	0.03	0.34	0.43	0.05	4.54	0.19	0.39	0.19	-0.95	0.67	0.25	-0.50	0.32	
		-0.02	0.00		0.03	0.00		0.32	0.10		-0.04	0.01		-0.04	0.01	
4TXAV7	0.12	-2.40		0.11	-3.28		2.98	-0.75		0.06	-3.84		0.19	-1.28		
		-0.17	0.00		-0.21	0.00		-1.24	0.00		-0.17	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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Z4BZ87	0.28	0.00	0.16	0.38	0.98	0.30	4.50	0.17	0.27	0.23	0.11	0.67	0.29	0.06	0.40
		0.00	0.00		0.06	0.00		0.28	0.07		0.00	0.01		0.00	0.01
6K3QU3	0.21	-1.12	0.92	0.31	-0.05	2.06	3.77	-0.27	0.18	0.21	-0.33	1.57	0.26	-0.38	0.62
		-0.08	0.02		0.00	0.03		-0.45	0.05		-0.01	0.02		-0.03	0.01
MAXQQK	0.29	0.13	1.52	0.35	0.57	2.06	4.41	0.12	0.30	0.26	0.66	2.14	0.14	-2.05	0.71
		0.01	0.03		0.04	0.03		0.19	0.08		0.03	0.02		-0.15	0.01
MZTJBK	0.29	0.09	0.61	0.37	0.77	1.25	4.65	0.26	0.43	0.24	0.36	0.59	0.31	0.34	1.42
		0.01	0.01		0.05	0.02		0.43	0.11		0.02	0.01		0.03	0.02
6UNU32	0.35	1.00		0.43	1.73		5.42	0.73		0.33	2.25		0.43	1.93	
		0.07	0.00		0.11	0.00		1.20	0.00		0.10	0.00		0.14	0.00
GPT3XM	0.32	0.50	0.21	0.36	0.72	0.43	4.81	0.36	0.00	0.24	0.23	0.30	0.31	0.28	0.07
		0.03	0.00		0.05	0.01		0.59	0.00		0.01	0.00		0.02	0.00
UJKXPB	0.28	-0.09	0.06	0.37	0.84	0.26	4.74	0.32	0.10	0.23	0.15	0.31	0.30	0.14	0.20
		-0.01	0.00		0.05	0.00		0.52	0.03		0.01	0.00		0.01	0.00
Grand Median		0.28			0.32			4.22			0.23			0.29	
Median Abs Dev		0.03			0.03			0.50			0.02			0.03	
Avg Within Lab SD		0.02			0.01			0.25			0.01			0.02	
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		

pH (1:1) Water (SubTestCode 116)	in the Soil pH & EC Property Groups															Data units: Unit
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	8.07	0.47	0.53	6.00	0.58		8.10	0.85	0.00	5.47	0.18	0.28	6.40	1.28	0.00	
		0.09	0.06		0.10	0.00		0.16	0.00		0.04	0.06		0.23	0.00	
2V9A2L	7.78	-0.97	0.00	5.74	-0.92	0.00	7.85	-0.47	0.04	5.30	-0.52	0.03	6.10	-0.38	0.21	
		-0.19	0.00		-0.16	0.00		-0.09	0.01		-0.13	0.01		-0.07	0.02	
9G9ZXE	8.00	0.13	0.42	5.88	-0.10	0.09	7.96	0.14	0.47	5.37	-0.23	0.12	6.18	0.09	0.89	
		0.03	0.05		-0.02	0.02		0.03	0.08		-0.06	0.03		0.02	0.06	
BYXYDC	8.06	0.42	0.14	5.96	0.36	0.71	7.92	-0.10	0.09	5.68	1.07	0.23	6.23	0.37	0.32	
		0.08	0.02		0.06	0.12		-0.02	0.02		0.26	0.05		0.07	0.02	
UJH8JT	7.97	-0.03	0.53	5.80	-0.58	0.00	7.80	-0.71	0.00	5.50	0.31		6.07	-0.55	0.80	
		-0.01	0.06		-0.10	0.00		-0.14	0.00		0.08	0.00		-0.10	0.06	
ETFYA8	8.08	0.52	0.23	5.92	0.10	0.19	8.16	1.18	0.19	5.42	-0.03	0.19	6.20	0.16	0.21	
		0.10	0.03		0.02	0.03		0.23	0.03		-0.01	0.04		0.03	0.02	
WN8QDL	8.05	0.38	0.24	5.81	-0.50	0.07	8.21	1.41	0.04	5.36	-0.27	0.25	6.30	0.71	0.08	
		0.08	0.03		-0.09	0.01		0.27	0.01		-0.06	0.05		0.13	0.01	
WPJ78M	8.00	0.13		6.00	0.58		7.90	-0.19	0.00	5.33	-0.37	0.28	6.20	0.18	0.00	
		0.03	0.00		0.10	0.00		-0.04	0.00		-0.09	0.06		0.03	0.00	
QHLKDT	7.84	-0.68	0.42	5.80	-0.59	0.23	7.88	-0.31	0.15	5.46	0.14	0.03	6.06	-0.57	0.52	
		-0.14	0.05		-0.10	0.04		-0.06	0.03		0.03	0.01		-0.10	0.04	
NM37AU	7.91	-0.32	0.16	5.79	-0.61	0.09	8.00	0.33	0.21	5.38	-0.18	0.40	6.11	-0.31	0.37	
		-0.06	0.02		-0.11	0.02		0.06	0.03		-0.04	0.08		-0.06	0.03	
PDR4NU	8.00	0.13		5.97	0.38	0.69	7.97	0.16	0.35	5.43	0.04	0.28	6.07	-0.55	0.80	
		0.03	0.00		0.07	0.12		0.03	0.06		0.01	0.06		-0.10	0.06	
LU92FX	7.93	-0.20	0.05	5.76	-0.81	0.12	7.91	-0.16	0.23	5.30	-0.49	0.17	6.12	-0.24	0.16	
		-0.04	0.01		-0.14	0.02		-0.03	0.04		-0.12	0.04		-0.04	0.01	
WP3AEN	7.88	-0.45	0.28	6.03	0.73	0.12	7.79	-0.78	0.22	5.89	1.92	0.24	5.30	-4.76	0.65	
		-0.09	0.03		0.13	0.02		-0.15	0.04		0.47	0.05		-0.87	0.05	
9JB2YB	7.41	-2.83	0.69	6.07	0.98	0.24	7.46	-2.49	0.18	6.19	3.16	0.12	6.46	1.59	0.35	
		-0.57	0.08		0.17	0.04		-0.48	0.03		0.77	0.03		0.29	0.03	
JMZPA2	8.07	0.48	0.16	5.95	0.31	0.15	8.00	0.33	0.22	5.39	-0.14	0.05	6.27	0.57	0.41	
		0.10	0.02		0.05	0.03		0.06	0.04		-0.03	0.01		0.10	0.03	
PD8M9Q	8.00	0.13	0.32	5.77	-0.73	0.19	7.89	-0.23	0.37	5.27	-0.62	0.10	6.04	-0.68	1.04	
		0.03	0.03		-0.13	0.03		-0.04	0.06		-0.15	0.02		-0.12	0.08	
4XUXCD	8.00	0.13		5.90	0.00	0.00	8.18	1.28	0.18	5.38	-0.16	0.14	6.35	1.00	0.69	
		0.03	0.00		0.00	0.00		0.25	0.03		-0.04	0.03		0.18	0.05	
YM93AG	7.96	-0.07	0.09	5.82	-0.46	0.12	7.99	0.26	0.13	5.32	-0.42	0.05	6.21	0.26	0.16	
		-0.01	0.01		-0.08	0.02		0.05	0.02		-0.10	0.01		0.05	0.01	
QP24XR	7.84	-0.68	0.69	5.88	-0.12	0.22	7.70	-1.25	0.52	5.55	0.53	0.63	6.06	-0.57	1.28	
		-0.14	0.08		-0.02	0.04		-0.24	0.09		0.13	0.13		-0.10	0.09	
HML4ZY	8.03	0.30	0.53	5.87	-0.19	0.35	8.00	0.33		5.23	-0.78	0.28	6.17	0.00	0.80	
		0.06	0.06		-0.03	0.06		0.06	0.00		-0.19	0.06		0.00	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
JDB3EY	7.94	-0.18	0.05	5.85	-0.29	0.00	8.03	0.49	0.00	5.37	-0.22	0.05	6.30	0.73	0.00
N7UE8P	8.05	-0.04	0.01	5.92	-0.05	0.00	8.03	0.09	0.00	5.38	-0.05	0.01	6.16	0.13	0.00
9P39J6	7.56	0.40	0.11	5.92	0.13	0.07	8.03	0.47	0.19	5.38	-0.18	0.21	6.16	-0.05	0.32
KJBZ3T	7.84	0.08	0.01	5.92	0.02	0.01	8.03	0.09	0.03	5.38	-0.04	0.04	6.16	-0.01	0.02
3HG3JC	8.12	-2.06	0.19	5.48	-2.44	0.14	7.75	-0.97	0.06	5.12	-1.25	0.10	5.88	-1.59	0.21
VMZPEH	8.07	-0.41	0.02	5.48	-0.42	0.02	7.75	-0.19	0.01	5.12	-0.30	0.02	5.88	-0.29	0.02
ZNYNFD	7.81	-0.67	0.00	5.74	-0.94	0.03	7.91	-0.16	0.04	5.28	-0.60	0.03	6.07	-0.53	0.00
E8KYJY	7.97	-0.13	0.00	5.74	-0.16	0.01	7.91	-0.03	0.01	5.28	-0.15	0.01	6.07	-0.10	0.00
XV4JLF	8.02	0.73		6.71	4.66		7.88	-0.29		6.13	2.90		6.34	0.95	
2ZLAYD	7.63	0.15	0.00	6.71	0.81	0.00	7.88	-0.06	0.00	6.13	0.71	0.00	6.34	0.17	0.00
T67A2M	7.71	0.47	0.30	5.89	-0.08	0.12	8.02	0.42	0.18	5.28	-0.59	0.05	6.14	-0.16	0.65
9GTK67	8.02	0.09	0.03	5.89	-0.01	0.02	8.02	0.08	0.03	5.28	-0.14	0.01	6.14	-0.03	0.05
Q2DTBN	8.11	-0.80	0.05	6.03	0.75	0.37	7.94	0.02	0.12	6.05	2.56	0.49	6.14	-0.15	0.41
WWZ2MH	7.79	-0.16	0.01	6.03	0.13	0.06	7.94	0.00	0.02	6.05	0.62	0.10	6.14	-0.03	0.03
MFPVJN	7.98	0.00	0.11	5.90	-0.02	0.03	8.02	0.45	0.09	5.36	-0.25	0.16	6.23	0.33	0.29
GC6ZFU	8.03	0.00	0.01	5.90	0.00	0.01	8.02	0.09	0.02	5.36	-0.06	0.03	6.23	0.06	0.02
T8DRYH	7.97	0.23	0.00	5.99	0.52	0.00	7.87	-0.35	0.00	5.64	0.89	0.00	6.08	-0.47	0.00
3B3GB8	8.01	0.05	0.00	5.99	0.09	0.00	7.87	-0.07	0.00	5.64	0.22	0.00	6.08	-0.09	0.00
6J7BH6	7.90	-1.71	1.09	5.64	-1.48	0.76	7.61	-1.68	0.26	5.30	-0.52	0.22	5.92	-1.33	0.71
Z9HQBC	7.56	-0.34	0.12	5.64	-0.26	0.13	7.61	-0.32	0.04	5.30	-0.13	0.05	5.92	-0.24	0.05
ZT92XC	8.04	-1.33	0.37	5.84	-0.35	0.22	7.70	-1.21	0.20	5.36	-0.25	0.20	6.42	1.39	0.37
YNEK8D	7.49	-0.27	0.04	5.84	-0.06	0.04	7.70	-0.23	0.03	5.36	-0.06	0.04	6.42	0.25	0.03
		0.22	0.23	5.77	-0.77	0.09	7.79	-0.74	0.22	5.32	-0.42	0.08	6.10	-0.38	0.16
		0.04	0.03	5.77	-0.13	0.02	7.79	-0.14	0.04	5.32	-0.10	0.02	6.10	-0.07	0.01
		0.70	0.19	5.95	0.27	0.09	8.00	0.33	0.12	5.41	-0.04	0.19	6.16	-0.02	0.21
		0.14	0.02	5.95	0.05	0.02	8.00	0.06	0.02	5.41	-0.01	0.04	6.16	0.00	0.02
		-0.90	0.05	5.82	-0.48	0.03	7.82	-0.61	0.00	5.60	0.73	0.00	6.16	-0.04	0.00
		-0.18	0.01	5.82	-0.08	0.01	7.82	-0.12	0.00	5.60	0.18	0.00	6.16	-0.01	0.00
		0.02	0.27	5.93	0.15	0.21	7.94	0.00	0.19	5.71	1.18	0.67	6.38	1.15	0.65
		0.00	0.03	5.93	0.03	0.04	7.94	0.00	0.03	5.71	0.29	0.14	6.38	0.21	0.05
		0.30	0.47	5.96	0.35	0.10	7.91	-0.14	0.22	5.44	0.05	0.20	6.60	2.39	0.65
		0.06	0.05	5.96	0.06	0.02	7.91	-0.03	0.04	5.44	0.01	0.04	6.60	0.44	0.05
		0.00	0.51	5.93	0.17	0.48	8.00	0.35	0.83	5.42	0.00	0.31	6.51	1.90	0.58
		0.00	0.06	5.93	0.03	0.08	8.00	0.07	0.14	5.42	0.00	0.06	6.51	0.35	0.04
		0.20	0.23	5.94	0.25	0.24	7.97	0.19	0.28	5.50	0.31	0.21	6.27	0.58	0.16
		0.04	0.03	5.94	0.04	0.04	7.97	0.04	0.05	5.50	0.08	0.04	6.27	0.11	0.01
		-0.38	0.05	5.86	-0.23	0.06	7.95	0.05	0.04	5.22	-0.83	0.10	6.09	-0.44	0.08
		-0.08	0.01	5.86	-0.04	0.01	7.95	0.01	0.01	5.22	-0.20	0.02	6.09	-0.08	0.01
		-2.06	0.70	6.05	0.86	0.93	7.53	-2.11	0.64	5.64	0.88	0.81	6.01	-0.84	1.02
		-0.41	0.08	6.05	0.15	0.16	7.53	-0.41	0.10	5.64	0.21	0.17	6.01	-0.15	0.07
		0.35	0.23	5.86	-0.21	0.28	8.10	0.87	0.13	5.43	0.01	0.06	6.26	0.51	0.37
		0.07	0.03	5.86	-0.04	0.05	8.10	0.17	0.02	5.43	0.00	0.01	6.26	0.09	0.03
		-2.41	7.00	6.50	3.43	7.56	7.21	-3.78	7.59	6.21	3.24	7.53	5.84	-1.81	6.20
		-0.48	0.76	6.50	0.60	1.26	7.21	-0.73	1.24	6.21	0.79	1.54	5.84	-0.33	0.45



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD
V3RMFD	7.96	-0.09	0.59	5.74	-0.90	0.21	7.97	0.17	0.30	5.46	0.17	0.57	6.02	-0.78	0.70
		-0.02	0.06		-0.16	0.04		0.03	0.05		0.04	0.12		-0.14	0.05
PZ7RCJ	8.11	0.70	0.11	5.92	0.12	0.21	8.03	0.47	0.07	5.43	0.01	0.03	6.26	0.49	0.29
		0.14	0.01		0.02	0.03		0.09	0.01		0.00	0.01		0.09	0.02
BX698W	8.00	0.13	0.24	5.80	-0.56	0.09	7.96	0.10	0.25	5.29	-0.55	0.13	6.18	0.05	0.21
		0.03	0.03		-0.10	0.02		0.02	0.04		-0.13	0.03		0.01	0.02
7KWVN2	7.62	-1.76	0.48	5.51	-2.24	0.06	7.79	-0.74	0.20	5.00	-1.75	0.17	5.89	-1.50	0.42
		-0.35	0.05		-0.39	0.01		-0.14	0.03		-0.43	0.04		-0.27	0.03
K4H7TN	8.13	0.80	0.53	6.03	0.77	0.35	7.93	-0.02	0.35	5.40	-0.10	0.00	6.20	0.18	0.00
		0.16	0.06		0.13	0.06		0.00	0.06		-0.02	0.00		0.03	0.00
EDQREV	7.36	-3.05	0.48	5.98	0.48	0.09	7.68	-1.33	0.31	5.27	-0.63	0.38	6.23	0.37	0.08
		-0.61	0.05		0.08	0.02		-0.26	0.05		-0.15	0.08		0.07	0.01
4QUEC3	7.77	-1.02	0.19	6.12	1.25	0.07	7.87	-0.33	0.04	5.73	1.26	0.18	6.35	1.00	0.28
		-0.20	0.02		0.22	0.01		-0.06	0.01		0.31	0.04		0.18	0.02
Z4BZ87	7.97	-0.03	0.53	5.90	0.00	0.00	8.03	0.50	0.35	5.47	0.18	0.28	6.17	0.00	0.80
		-0.01	0.06		0.00	0.00		0.10	0.06		0.04	0.06		0.00	0.06
ABZYEY	8.10	0.62	0.14	5.87	-0.17	0.06	8.15	1.09	0.09	5.46	0.15	0.05	6.35	1.00	0.14
		0.12	0.02		-0.03	0.01		0.21	0.02		0.04	0.01		0.18	0.01
LWH7TL	8.00	0.13		5.80	-0.58	0.00	8.03	0.50	0.35	5.20	-0.92	0.00	6.13	-0.18	0.80
		0.03	0.00		-0.10	0.00		0.10	0.06		-0.22	0.00		-0.03	0.06
6K3QU3	7.64	-1.68	1.68	6.21	1.80	0.57	7.64	-1.54	0.77	5.71	1.16	1.47	6.08	-0.46	0.35
		-0.34	0.18		0.31	0.10		-0.30	0.13		0.28	0.30		-0.08	0.03
MAXQQK	8.02	0.25	0.43	5.89	-0.06	0.27	8.05	0.59	0.22	5.30	-0.51	0.13	6.11	-0.31	0.48
		0.05	0.05		-0.01	0.05		0.11	0.04		-0.12	0.03		-0.06	0.03
EJR4AR	7.93	-0.20	0.53	5.90	0.00	0.00	7.90	-0.19	0.00	5.47	0.18	0.28	6.30	0.73	2.39
		-0.04	0.06		0.00	0.00		-0.04	0.00		0.04	0.06		0.13	0.17
MZTJBK	8.06	0.42	0.97	6.18	1.59	0.07	8.04	0.54	0.27	5.39	-0.14	0.05	6.22	0.27	1.13
		0.08	0.11		0.28	0.01		0.10	0.04		-0.03	0.01		0.05	0.08
D79YPQ	7.69	-1.40	0.14	5.94	0.25	0.18	7.62	-1.66	0.23	5.46	0.14	0.07	6.12	-0.26	0.28
		-0.28	0.02		0.04	0.03		-0.32	0.04		0.03	0.02		-0.05	0.02
HX3QCL	7.93	-0.20	0.53	5.90	0.00	0.00	7.90	-0.19	0.00	5.37	-0.23	0.28	6.20	0.18	0.00
		-0.04	0.06		0.00	0.00		-0.04	0.00		-0.06	0.06		0.03	0.00
HU3FFL	8.28	1.53	0.73	5.97	0.38	0.03	8.31	1.96	0.07	5.44	0.07	0.13	6.20	0.20	0.44
		0.31	0.08		0.07	0.01		0.38	0.01		0.02	0.03		0.04	0.03
GF8XQM	7.77	-1.03	1.41	6.20	1.73	0.60	7.73	-1.06	0.35	6.40	4.01	0.49	6.33	0.91	1.60
		-0.21	0.15		0.30	0.10		-0.20	0.06		0.98	0.10		0.17	0.12
N6HFCF	8.02	0.25	0.27	5.89	-0.06	0.10	7.99	0.26	0.43	5.44	0.05	0.12	6.19	0.11	0.16
		0.05	0.03		-0.01	0.02		0.05	0.07		0.01	0.03		0.02	0.01
DTNJLQ	7.90	-0.37		5.80	-0.58		7.90	-0.19		5.50	0.31		6.00	-0.91	
		-0.07	0.00		-0.10	0.00		-0.04	0.00		0.08	0.00		-0.17	0.00
9KRXTW	7.72	-1.26	0.19	6.00	0.56	0.58	8.02	0.45	1.02	5.55	0.53	0.43	6.16	-0.04	0.97
		-0.25	0.02		0.10	0.10		0.09	0.17		0.13	0.09		-0.01	0.07



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		7.97			5.90			7.94			5.42			6.17	
Median Abs Dev		0.08			0.08			0.09			0.09			0.09	
Avg Within Lab SD		0.11			0.17			0.16			0.20			0.07	
Labs Included		63			63			63			63			63	
Labs Reporting		63			63			63			63			63	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
ETFYA8	8.22	0.53	0.28	6.05	-0.32	0.16	8.18	0.69	0.34	5.55	-0.17	0.42	6.33	0.34	0.23
		0.18	0.04		-0.06	0.02		0.23	0.03		-0.05	0.03		0.06	0.02
QHLKDT	7.96	-0.20	0.39	6.01	-0.54	0.43	7.92	-0.09	0.32	5.52	-0.27	0.76	6.22	-0.32	0.46
		-0.07	0.06		-0.10	0.04		-0.03	0.03		-0.08	0.06		-0.05	0.03
LU92FX	8.08	0.13	0.25	5.85	-1.45	0.11	7.95	0.00	0.60	5.36	-0.79	0.12	6.19	-0.49	0.23
		0.05	0.04		-0.26	0.01		0.00	0.05		-0.24	0.01		-0.08	0.02
QP24XR	7.78	-0.74	1.13	6.10	-0.04	0.25	7.89	-0.18	0.29	5.83	0.74	2.80	6.98	4.15	2.81
		-0.26	0.16		-0.01	0.02		-0.06	0.02		0.23	0.23		0.70	0.19
VMZPEH	8.12	0.26	0.23	6.01	-0.56	0.21	8.05	0.31	0.13	5.35	-0.83	0.42	6.23	-0.28	0.66
		0.09	0.03		-0.10	0.02		0.10	0.01		-0.26	0.04		-0.05	0.04
2RDHVB	8.01	-0.08	3.52	6.14	0.19	3.95	8.32	1.11	3.76	5.60	0.00	1.03	6.32	0.28	1.17
		-0.03	0.50		0.03	0.37		0.37	0.29		0.00	0.09		0.05	0.08
Z9HQBC	7.33	-2.02	0.88	6.38	1.48	1.10	7.15	-2.36	1.99	6.31	2.29	2.13	6.26	-0.10	0.84
		-0.70	0.12		0.27	0.10		-0.80	0.16		0.71	0.18		-0.02	0.06
F4VC3W	7.79	-0.70	0.21	6.32	1.17	0.37	7.60	-1.04	0.15	5.68	0.26	0.82	6.30	0.16	0.38
		-0.24	0.03		0.21	0.03		-0.35	0.01		0.08	0.07		0.03	0.03
RF99BG	8.07	0.10	0.41	6.40	1.61	1.07	8.00	0.16		5.63	0.10	0.70	6.63	2.12	2.31
		0.03	0.06		0.29	0.10		0.05	0.00		0.03	0.06		0.36	0.15
9FFARZ	8.07	0.10	2.26	5.93	-0.98	0.62	8.07	0.36	0.74	5.20	-1.30	2.09	6.30	0.14	1.51
		0.03	0.32		-0.18	0.06		0.12	0.06		-0.40	0.17		0.02	0.10
9WKG82	8.03	0.00	0.41	6.07	-0.24	1.24	8.07	0.36	0.74	5.40	-0.66	0.00	6.27	-0.06	0.87
		0.00	0.06		-0.04	0.12		0.12	0.06		-0.20	0.00		-0.01	0.06
EDQREV	7.58	-1.31	0.36	6.17	0.35	0.38	7.82	-0.37	0.52	5.39	-0.70	0.67	6.28	0.00	0.38
		-0.46	0.05		0.06	0.04		-0.12	0.04		-0.22	0.06		0.00	0.03
XXB2JC	8.23	0.56	0.11	6.11	0.02	0.06	8.11	0.49	0.07	5.64	0.12	0.12	6.48	1.23	0.09
		0.19	0.02		0.00	0.01		0.17	0.01		0.04	0.01		0.21	0.01
4TXAV7	8.39	1.02		6.14	0.17		8.08	0.40		5.96	1.15		6.23	-0.28	
		0.36	0.00		0.03	0.00		0.13	0.00		0.36	0.00		-0.05	0.00
4QUEC3	8.03	-0.01	0.14	6.22	0.63	0.25	7.91	-0.12	0.29	5.82	0.69	0.18	6.48	1.19	0.38
		0.00	0.02		0.11	0.02		-0.04	0.02		0.21	0.02		0.20	0.03
M938NJ	8.10	0.20	0.11	6.23	0.65	0.22	7.94	-0.02	0.34	5.68	0.26	0.39	6.42	0.85	0.76
		0.07	0.02		0.12	0.02		-0.01	0.03		0.08	0.03		0.14	0.05
Z4BZ87	8.22	0.54	0.61	5.99	-0.65	0.12	8.12	0.51	0.51	5.52	-0.28	0.49	6.33	0.30	0.17
		0.19	0.09		-0.12	0.01		0.17	0.04		-0.09	0.04		0.05	0.01
6K3QU3	7.37	-1.90	0.33	6.29	0.98	0.53	7.24	-2.10	0.56	6.23	2.03	0.46	6.23	-0.30	0.86
		-0.66	0.05		0.18	0.05		-0.71	0.04		0.63	0.04		-0.05	0.06
ACVHGX	8.22	0.53	0.08	5.95	-0.91	0.22	8.13	0.54	0.22	5.45	-0.51	0.07	6.23	-0.28	0.26
		0.18	0.01		-0.16	0.02		0.18	0.02		-0.16	0.01		-0.05	0.02
6UNU32	7.33	-2.02		6.11	0.00		7.26	-2.04		5.84	0.76		6.13	-0.87	
		-0.70	0.00		0.00	0.00		-0.69	0.00		0.24	0.00		-0.15	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
GPT3XM	7.60	-1.24	0.18	5.89	-1.24	0.16	7.63	-0.93	0.07	5.52	-0.27	0.00	6.20	-0.45	0.15
		-0.43	0.03		-0.22	0.02		-0.31	0.01		-0.08	0.00		-0.08	0.01
Grand Median		8.03			6.11			7.95			5.60			6.28	
Median Abs Dev		0.18			0.11			0.13			0.20			0.05	
Avg Within Lab SD		0.14			0.09			0.08			0.08			0.07	
Labs Included		21			21			21			21			21	
Labs Reporting		21			21			21			21			21	



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

pH (1:1) 0.01M CaCl ₂ (SubTestCode 118)															
in the Soil pH & EC Property Groups															
Data units: Unit															
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
BYXYDC	7.53	0.23	0.25	5.76	1.29	0.56	7.73	-0.78	0.33	5.14	0.74	0.33	5.88	-0.07	1.01
		0.03	0.01		0.17	0.05		-0.11	0.02		0.15	0.04		-0.01	0.03
ETFYA8	7.61	0.74	0.70	5.61	0.13	0.17	8.06	1.64	0.50	5.02	0.15	0.28	5.89	0.00	0.65
		0.11	0.03		0.02	0.02		0.22	0.02		0.03	0.03		0.00	0.02
QHLKDT	7.39	-0.79	0.13	5.49	-0.80	0.13	7.76	-0.56	0.54	4.99	-0.03	0.28	5.78	-0.82	0.36
		-0.11	0.01		-0.10	0.01		-0.08	0.03		-0.01	0.03		-0.12	0.01
NM37AU	7.49	-0.07	0.38	5.50	-0.72	0.13	7.91	0.56	0.57	5.08	0.45	1.20	5.83	-0.47	0.79
		-0.01	0.02		-0.09	0.01		0.08	0.03		0.09	0.14		-0.07	0.03
JMZPA2	7.59	0.65	0.13	5.57	-0.23	0.07	7.80	-0.24	0.21	4.95	-0.20	0.05	5.92	0.19	0.00
		0.09	0.01		-0.03	0.01		-0.03	0.01		-0.04	0.01		0.03	0.00
YM93AG	7.48	-0.14	0.00	5.53	-0.54	0.43	7.91	0.54	0.12	4.93	-0.33	0.05	5.95	0.40	0.31
		-0.02	0.00		-0.07	0.04		0.07	0.01		-0.07	0.01		0.06	0.01
QP24XR	7.20	-2.07	1.32	5.63	0.23	0.74	7.66	-1.30	1.38	5.52	2.62	0.79	5.86	-0.21	0.79
		-0.30	0.06		0.03	0.06		-0.18	0.06		0.53	0.09		-0.03	0.03
JDB3EY	7.56	0.44	0.13	5.62	0.18	0.00	7.89	0.42	0.00	5.02	0.15	0.05	5.96	0.45	0.18
		0.06	0.01		0.02	0.00		0.06	0.00		0.03	0.01		0.06	0.01
N7UE8P	7.55	0.32	0.63	5.60	0.00	0.37	7.92	0.66	0.97	4.99	0.00	0.33	5.84	-0.35	0.48
		0.05	0.03		0.00	0.03		0.09	0.05		0.00	0.04		-0.05	0.02
KJBZ3T	7.33	-1.21	0.13	5.36	-1.80	0.07	7.79	-0.34	0.33	4.85	-0.69	0.66	5.66	-1.62	0.18
		-0.17	0.01		-0.23	0.01		-0.05	0.02		-0.14	0.08		-0.23	0.01
E8KYJY	7.56	0.42	0.58	5.59	-0.03	0.17	7.99	1.15	0.37	4.98	-0.07	0.15	5.93	0.23	0.79
		0.06	0.03		0.00	0.02		0.16	0.02		-0.01	0.02		0.03	0.03
XD4VUG	7.41	-0.65	3.04	5.85	1.98	2.68	7.90	0.51	3.28	5.63	3.17	0.95	6.01	0.80	1.78
		-0.09	0.14		0.26	0.23		0.07	0.15		0.64	0.11		0.11	0.06
Q2DTBN	7.47	-0.19	0.51	5.75	1.21	0.07	7.69	-1.03	0.12	5.06	0.35	0.13	5.97	0.52	0.65
		-0.03	0.02		0.16	0.01		-0.14	0.01		0.07	0.02		0.07	0.02
GC6ZFU	7.55	0.35	0.22	5.64	0.33	0.41	7.78	-0.39	0.57	4.91	-0.40	0.13	6.38	3.43	0.63
		0.05	0.01		0.04	0.04		-0.05	0.03		-0.08	0.02		0.49	0.02
9WKG82	7.53	0.23	1.27	5.73	1.05	2.64	8.00	1.22		5.23	1.19	3.55	5.90	0.05	0.00
		0.03	0.06		0.14	0.23		0.17	0.00		0.24	0.40		0.01	0.00
EDQREV	7.07	-2.97	1.62	5.50	-0.72	0.97	7.82	-0.12	0.54	4.86	-0.64	0.54	5.66	-1.67	2.43
		-0.43	0.07		-0.09	0.09		-0.02	0.03		-0.13	0.06		-0.24	0.08
HX3QCL	7.50	0.00		5.57	-0.23	0.66	7.83	0.00	1.24	4.93	-0.30	0.51	5.87	-0.19	1.81
		0.00	0.00		-0.03	0.06		0.00	0.06		-0.06	0.06		-0.03	0.06
Grand Median		7.50			5.60			7.83			4.99			5.89	
Median Abs Dev		0.06			0.07			0.08			0.07			0.06	
Avg Within Lab SD		0.05			0.09			0.05			0.11			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		

pH (1:2) 0.01M CaCl2 (SubTestCode 119)	in the Soil pH & EC Property Groups												Data units: Unit		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
QHLKDT	7.42	-0.02	0.81	5.53	-0.54	0.31	7.85	-0.03	0.39	4.95	-0.13	0.69	5.78	-1.14	0.81
		0.00	0.03		-0.06	0.02		-0.01	0.02		-0.03	0.04		-0.12	0.03
QP24XR	7.37	-0.26	1.74	5.79	1.89	1.73	7.73	-0.57	1.98	5.30	1.42	1.64	5.94	0.42	1.78
		-0.05	0.07		0.20	0.09		-0.13	0.09		0.33	0.08		0.04	0.06
Z9HQBC	7.08	-1.75	0.66	5.64	0.48	0.73	7.24	-2.75	1.86	4.81	-0.74	0.75	5.92	0.23	0.49
		-0.34	0.03		0.05	0.04		-0.62	0.08		-0.17	0.04		0.02	0.02
BX698W	7.59	0.87	0.50	5.57	-0.19	0.54	8.01	0.68	0.60	4.93	-0.22	0.23	5.86	-0.36	0.37
		0.17	0.02		-0.02	0.03		0.15	0.03		-0.05	0.01		-0.04	0.01
EDQREV	7.17	-1.30	1.95	5.56	-0.26	1.84	7.86	0.00	0.73	4.60	-1.64	1.94	5.70	-1.98	0.81
		-0.25	0.08		-0.03	0.09		0.00	0.03		-0.38	0.10		-0.20	0.03
XXB2JC	7.56	0.70	0.14	5.67	0.73	0.12	7.96	0.48	0.13	5.08	0.45	0.20	5.96	0.62	0.19
		0.14	0.01		0.08	0.01		0.11	0.01		0.10	0.01		0.06	0.01
4QUEC3	7.42	0.00	0.25	5.77	1.76	0.12	7.82	-0.16	0.23	5.22	1.07	0.30	5.99	0.84	0.49
		0.00	0.01		0.18	0.01		-0.04	0.01		0.25	0.02		0.09	0.02
Z4BZ87	7.57	0.75	0.88	5.59	0.00	0.54	8.03	0.76	0.69	4.98	0.00	0.23	5.85	-0.49	1.96
		0.15	0.04		0.00	0.03		0.17	0.03		0.00	0.01		-0.05	0.06
EJR4AR	7.50	0.41		5.57	-0.22	1.17	8.00	0.64		5.07	0.39	1.14	5.90	0.00	0.00
		0.08	0.00		-0.02	0.06		0.14	0.00		0.09	0.06		0.00	0.00
Grand Median		7.42			5.59			7.86			4.98			5.90	
Median Abs Dev		0.14			0.05			0.13			0.10			0.05	
Avg Within Lab SD		0.04			0.05			0.04			0.05			0.03	
Labs Included		9			9			9			9			9	
Labs Reporting		9			9			9			9			9	



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

Soil EC (1:5) H2O (SubTestCode 120)	in the Soil pH & EC Property Groups								Data units: dS/m	
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610					
2RDHVB	0.16	1.03	0.16	0.86	3.08	1.34	0.15	1.37	0.14	0.45
		0.00		0.00		0.05		0.00		0.00
		0.97		1.12		0.45		0.35		1.34
F4VC3W	0.18	0.00	0.16	0.00	3.47	0.02	0.11	0.00	0.13	0.01
Grand Median	0.17		0.16		3.28			0.13		0.13
Median Abs Dev										
Avg Within Lab SD	0.00		0.00		0.03			0.00		0.00
Labs Included	2		2		2			2		2
Labs Reporting	2		2		2			2		2



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

SMP Buffer pH (SubTestCode 122)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
9G9ZXE	7.56	0.34	0.29	6.89	0.83	0.37	7.63	0.00	0.47	6.90	1.14	0.92	7.22	0.53	0.52
		0.03	0.01		0.12	0.02		0.00	0.01		0.18	0.03		0.05	0.01
ETFYA8	7.54	0.00	1.75	6.71	-0.42	0.64	7.72	0.97	1.48	6.52	-1.22	1.22	7.04	-1.58	1.86
		0.00	0.04		-0.06	0.04		0.09	0.04		-0.19	0.04		-0.14	0.04
QHLKDT	7.48	-0.77	0.29	6.76	-0.06	0.24	7.57	-0.67	0.24	6.72	0.02	0.30	7.15	-0.33	0.45
		-0.06	0.01		-0.01	0.02		-0.06	0.01		0.00	0.01		-0.03	0.01
WP3AEN	7.56	0.30	2.28	6.70	-0.49	0.73	7.60	-0.34	1.32	6.71	-0.02	0.76	7.10	-0.91	2.24
		0.02	0.05		-0.07	0.05		-0.03	0.03		0.00	0.03		-0.08	0.05
YM93AG	7.55	0.17	0.00	6.89	0.80	0.00	7.66	0.34	0.24	6.95	1.45	0.17	7.21	0.41	0.26
		0.01	0.00		0.12	0.00		0.03	0.01		0.23	0.01		0.04	0.01
JDB3EY	7.65	1.49	0.29	7.05	1.91	0.09	7.72	1.01	0.24	6.70	-0.08	0.17	7.19	0.14	0.45
		0.12	0.01		0.28	0.01		0.09	0.01		-0.01	0.01		0.01	0.01
ZNYNFD	7.50	-0.47	0.50	6.96	1.28	0.42	7.52	-1.23	0.24	7.00	1.77	1.76	7.23	0.56	0.26
		-0.04	0.01		0.19	0.03		-0.11	0.01		0.28	0.06		0.05	0.01
E8KYJY	7.56	0.26	1.04	6.93	1.07	0.89	7.66	0.30	0.71	6.80	0.53	0.90	7.29	1.30	1.18
		0.02	0.02		0.16	0.06		0.03	0.02		0.08	0.03		0.11	0.03
BX698W	7.50	-0.43	0.29	6.78	0.03	0.09	7.63	0.00	0.24	6.71	-0.04	0.00	7.17	-0.10	0.00
		-0.03	0.01		0.01	0.01		0.00	0.01		-0.01	0.00		-0.01	0.00
Y26GAB	7.42	-1.45	1.04	6.77	-0.03	0.72	7.57	-0.71	0.71	6.52	-1.24	1.20	7.07	-1.23	1.03
		-0.11	0.02		-0.01	0.05		-0.06	0.02		-0.20	0.04		-0.11	0.02
EJR4AR	7.40	-1.75	0.00	6.70	-0.49	0.00	7.47	-1.86	2.36	6.67	-0.32	1.74	7.10	-0.91	0.00
		-0.14	0.00		-0.07	0.00		-0.17	0.06		-0.05	0.06		-0.08	0.00
N6HFCF				6.67	-0.69	3.06				6.76	0.25	0.76	7.19	0.10	0.52
					-0.10	0.19					0.04	0.03		0.01	0.01
Grand Median		7.54		6.77			7.63			6.72			7.18		
Median Abs Dev		0.03		0.09			0.06			0.07			0.05		
Avg Within Lab SD		0.02		0.06			0.02			0.03			0.02		
Labs Included		11		12			11			12			12		
Labs Reporting		11		12			11			12			12		



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

Sikora Buffer pH (SubTestCode 123)			in the Buffer pH, Lime Requirement Property Groups										Data units: Unit		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHYY	7.45	-0.24	1.30	7.10	0.98	0.00	7.50	-0.41		6.97	0.76	1.08	7.20	-0.26	0.00
		-0.03	0.05		0.14	0.00		-0.05	0.00		0.14	0.06		-0.03	0.00
UJH8JT	7.47	-0.11	1.50	6.80	-1.15	0.00	7.60	0.41	0.00	6.57	-1.38	1.08	7.10	-1.08	0.00
		-0.01	0.06		-0.16	0.00		0.05	0.00		-0.26	0.06		-0.13	0.00
NM37AU	7.44	-0.29	0.15	6.94	-0.18	0.14	7.55	-0.03	0.22	6.71	-0.60	0.11	7.22	-0.12	0.64
		-0.04	0.01		-0.03	0.01		0.00	0.01		-0.11	0.01		-0.02	0.02
LU92FX	7.54	0.48	1.63	6.86	-0.72	0.73	7.58	0.22	1.12	6.83	0.03	1.31	7.30	0.53	0.24
		0.06	0.06		-0.10	0.03		0.03	0.03		0.01	0.07		0.07	0.01
9JB2YB	7.25	-1.84	0.94	6.93	-0.20	0.28	7.32	-1.90	1.39	6.87	0.22	0.54	7.16	-0.61	0.24
		-0.23	0.04		-0.03	0.01		-0.23	0.04		0.04	0.03		-0.08	0.01
PD8M9Q	7.58	0.83	0.40	7.31	2.45	1.40	7.56	0.11	1.36	7.09	1.40	2.68	7.44	1.73	2.30
		0.10	0.02		0.35	0.06		0.01	0.04		0.26	0.14		0.21	0.06
4XUXCD	7.40	-0.64	0.00	6.67	-2.10	1.40	7.43	-0.96	1.12	6.50	-1.74		7.02	-1.76	1.20
		-0.08	0.00		-0.30	0.06		-0.12	0.03		-0.33	0.00		-0.22	0.03
KJBZ3T	7.49	0.11	0.15	7.00	0.27	0.24	7.57	0.16	0.00	6.96	0.72	0.32	7.33	0.78	0.24
		0.01	0.01		0.04	0.01		0.02	0.00		0.14	0.02		0.10	0.01
VMZPEH	7.52	0.29	0.54	6.98	0.11	0.78	7.63	0.63	1.12	6.75	-0.42	0.57	7.18	-0.39	0.48
		0.04	0.02		0.02	0.03		0.08	0.03		-0.08	0.03		-0.05	0.01
E8KYJY	7.47	-0.11	0.40	6.93	-0.20	0.74	7.56	0.11	0.45	6.80	-0.13	1.31	7.25	0.18	0.87
		-0.01	0.02		-0.03	0.03		0.01	0.01		-0.03	0.07		0.02	0.02
T67A2M	7.41	-0.53	0.40	6.96	-0.04	0.74	7.50	-0.44	0.80	6.82	-0.03	1.63	7.25	0.12	1.20
		-0.07	0.02		-0.01	0.03		-0.05	0.02		-0.01	0.09		0.02	0.03
9GTK67	7.50	0.13	0.40	6.98	0.11	0.92	7.52	-0.22	0.22	6.89	0.33	0.78	7.29	0.45	0.96
		0.02	0.02		0.02	0.04		-0.03	0.01		0.06	0.04		0.06	0.02
Q2DTBN	7.50	0.13	0.15	6.98	0.15	0.37	7.55	0.03	0.22	6.77	-0.28	0.29	7.22	-0.12	0.24
		0.02	0.01		0.02	0.02		0.00	0.01		-0.05	0.02		-0.02	0.01
6J7BH6	7.41	-0.56	0.00	6.85	-0.77	0.14	7.54	-0.05	0.22	6.52	-1.63	0.32	7.10	-1.10	0.48
		-0.07	0.00		-0.11	0.01		-0.01	0.01		-0.31	0.02		-0.14	0.01
ZT92XC	7.57	0.69	0.15	6.94	-0.15	0.24	7.66	0.91	0.39	6.84	0.10	0.39	7.34	0.91	0.24
		0.09	0.01		-0.02	0.01		0.11	0.01		0.02	0.02		0.11	0.01
V3RMFD	7.46	-0.15	2.06	7.08	0.84	2.60	7.54	-0.07	2.76	7.00	0.96	0.13	7.19	-0.32	0.67
		-0.02	0.08		0.12	0.11		-0.01	0.07		0.18	0.01		-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		7.48			6.96			7.55			6.83			7.23	
Median Abs Dev		0.03			0.03			0.03			0.10			0.06	
Avg Within Lab SD		0.04			0.04			0.03			0.05			0.02	
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		

Adams-Evans Buffer pH (SubTestCode 124)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610				
2V9A2L		7.53	0.00		7.52	0.00	7.78	0.00		0.00	
YM93AG	7.77	0.69	7.51	0.00	7.74	0.27	7.58	0.00	7.78	1.60	
9P39J6	7.72	0.01	7.57	0.00	7.67	0.01	7.54	0.00	7.73	0.02	
MFPVJN	7.77	1.19	7.57	1.41	7.67	0.98	7.54	1.65	7.73	0.00	
		0.02	7.58	0.01	7.72	0.02	7.49	0.03	7.76	0.00	
		1.05	7.58	1.41	7.72	1.41	7.49	1.13	7.76	1.21	
		0.02	7.58	0.01	7.72	0.03	7.49	0.02	7.76	0.01	
Grand Median	7.77		7.55		7.72		7.53		7.77		
Median Abs Dev											
Avg Within Lab SD	0.01		0.01		0.02		0.02		0.01		
Labs Included	3		4		3		4		4		
Labs Reporting	3		4		3		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		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
ETFYA8	7.26	1.94	0.69	6.70	0.00	0.19	7.36	2.25	0.42	6.65	0.87	1.19	6.87	0.00	0.46
		0.17	0.01		0.00	0.01		0.17	0.01		0.09	0.04		0.00	0.01
NM37AU	7.08	-0.11	1.19	6.73	0.28	0.19	7.20	0.18	0.21	6.56	0.03	0.39	6.88	0.11	0.27
		-0.01	0.01		0.03	0.01		0.01	0.01		0.00	0.01		0.01	0.01
JMZPA2	7.11	0.19	0.69	6.72	0.19	0.70	7.16	-0.36	1.73	6.56	0.00	1.48	6.90	0.43	0.97
		0.02	0.01		0.02	0.02		-0.03	0.05		0.00	0.04		0.03	0.02
YM93AG	7.06	-0.30	0.69	6.64	-0.50	0.19	7.19	0.00	0.37	6.53	-0.31	0.20	6.85	-0.32	0.00
		-0.03	0.01		-0.05	0.01		0.00	0.01		-0.03	0.01		-0.02	0.00
HML4ZY	7.10	0.11	0.00	6.63	-0.59	1.93	7.27	1.03	2.11	6.47	-0.87	1.96	6.83	-0.59	2.68
		0.01	0.00		-0.06	0.06		0.08	0.06		-0.09	0.06		-0.04	0.06
JDB3EY	7.02	-0.78	0.00	6.88	1.72	0.00	7.10	-1.21	0.00	6.58	0.19	0.00	6.92	0.80	0.00
		-0.07	0.00		0.18	0.00		-0.09	0.00		0.02	0.00		0.05	0.00
KJBZ3T	7.02	-0.82	1.81	6.68	-0.13	0.19	7.16	-0.36	0.21	6.60	0.37	0.34	6.87	-0.05	0.27
		-0.07	0.02		-0.01	0.01		-0.03	0.01		0.04	0.01		0.00	0.01
Q2DTBN	7.19	1.15	1.37	6.73	0.34	0.70	7.19	0.00	0.37	6.53	-0.28	0.68	6.93	0.96	0.46
		0.10	0.01		0.04	0.02		0.00	0.01		-0.03	0.02		0.06	0.01
N6HFCF				6.45	-2.32	2.04				6.22	-3.16	0.90	6.69	-2.82	0.54
					-0.25	0.06					-0.34	0.03		-0.18	0.01
Grand Median		7.09		6.70			7.19			6.56			6.87		
Median Abs Dev		0.05		0.04			0.03			0.03			0.03		
Avg Within Lab SD		0.01		0.03			0.03			0.03			0.02		
Labs Included		8		9			8			9			9		
Labs Reporting		8		9			8			9			9		



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

Mehlich Buffer pH (SubTestCode 126)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610				
KJBZ3T	7.01	0.26	6.60	0.17	7.09	0.45	6.47	0.00	6.79	0.00	
		0.01		0.01		0.01		0.00		0.00	
9WKG82			6.33	1.73			6.17	1.24	6.40	0.00	
				0.06				0.06		0.00	
MAXQQK	6.77	1.39	6.30	0.63	7.06	1.34	6.04	1.38	6.42	0.45	
		0.03		0.02		0.02		0.06		0.01	
MZTJBK			6.34	0.76			6.19	0.75	6.38	1.95	
				0.03				0.04		0.03	
Grand Median	6.89		6.34		7.08		6.18		6.41		
Median Abs Dev											
Avg Within Lab SD	0.02		0.03		0.01		0.05		0.01		
Labs Included	2		4		2		4		4		
Labs Reporting	2		4		2		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	
SRSSRS1606				SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610				
P2ZHHY	24.0	-0.6	0.4	63.5	-0.6	0.8	9.2	-0.3	0.4	32.7	0.3	1.1	63.0	0.7	0.2		
		-2.1	0.5		-4.5	2.0		-0.9	0.3		1.1	1.2		5.6	0.5		
9G9ZXE	27.7	0.5	0.2	69.3	0.2	0.0	10.5	0.1	0.3	30.5	-0.3	1.0	51.4	-0.7	0.2		
		1.6	0.3		1.3	0.1		0.5	0.2		-1.0	1.0		-6.0	0.5		
7LQLUF	26.6	0.1	1.0	67.5	-0.1	0.4	11.1	0.3	0.8	35.7	1.1	0.9	65.6	1.0	1.3		
		0.5	1.2		-0.5	1.1		1.0	0.5		4.2	1.0		8.1	2.9		
UJH8JT	23.8	-0.7	0.6	57.7	-1.3	0.3	8.8	-0.4	0.3	25.6	-1.5	0.3	43.2	-1.7	0.1		
		-2.3	0.8		-10.3	0.7		-1.3	0.2		-6.0	0.4		-14.3	0.2		
ETFYA8	26.4	0.1	0.3	61.3	-0.8	0.2	9.6	-0.1	0.6	35.3	1.0	0.3	67.6	1.2	0.1		
		0.3	0.4		-6.7	0.4		-0.4	0.4		3.8	0.4		10.1	0.1		
WN8QDL	25.1	-0.3	0.1	68.1	0.0	0.1	22.7	3.7	0.9	27.9	-0.9	0.4	49.8	-0.9	0.4		
		-1.0	0.1		0.1	0.4		12.6	0.6		-3.7	0.4		-7.6	0.8		
QHLKDT	29.4	0.9	1.7	74.5	0.8	0.7	10.6	0.2	1.3	30.3	-0.3	0.6	53.9	-0.4	1.3		
		3.2	2.1		6.5	1.7		0.5	0.9		-1.3	0.7		-3.5	2.9		
NM37AU	25.3	-0.2	1.3	61.0	-0.9	1.1	10.0	0.0	0.7	33.0	0.4	1.9	62.5	0.6	0.6		
		-0.8	1.5		-7.0	2.9		0.0	0.5		1.5	2.0		5.1	1.5		
PDR4NU	25.1	-0.3	1.1	57.9	-1.2	0.6	10.8	0.2	1.6	29.9	-0.4	1.6	59.2	0.2	0.2		
		-1.0	1.3		-10.1	1.5		0.7	1.1		-1.7	1.7		1.8	0.5		
LU92FX	26.0	0.0	0.8	68.3	0.0	0.9	10.0	0.0	1.5	34.3	0.7	2.2	64.3	0.8	1.8		
		-0.1	1.0		0.3	2.3		-0.1	1.0		2.8	2.3		6.9	4.2		
WP3AEN	16.9	-2.6	0.3	86.6	2.3	0.4	22.3	3.6	0.6	31.5	0.0	0.9	45.0	-1.5	0.9		
		-9.3	0.4		18.6	1.0		12.3	0.4		0.0	0.9		-12.4	2.1		
9JB2YB	24.4	-0.5	0.6	67.4	-0.1	0.9	8.9	-0.4	0.1	32.4	0.2	0.5	58.3	0.1	0.5		
		-1.8	0.8		-0.6	2.4		-1.2	0.1		0.9	0.5		0.9	1.1		
4XUXCD	25.3	-0.2	0.5	68.0	0.0	0.8	10.8	0.2	0.4	32.7	0.3	0.6	62.0	0.6	0.9		
		-0.8	0.6		0.0	2.0		0.8	0.3		1.1	0.6		4.6	2.0		
YM93AG	28.6	0.7	0.4	71.8	0.5	0.0	11.6	0.5	0.1	31.1	-0.1	0.2	55.1	-0.3	0.1		
		2.5	0.5		3.8	0.1		1.5	0.0		-0.4	0.3		-2.3	0.1		
Z9LAXF	30.1	1.1	0.2	77.7	1.2	0.3	11.1	0.3	0.3	32.8	0.3	0.4	60.4	0.4	1.4		
		4.0	0.3		9.7	0.9		1.0	0.2		1.3	0.4		2.9	3.2		
KG6H4X	34.9	2.5	2.3	72.7	0.6	0.6	16.7	2.0	2.5	47.3	4.0	2.2	68.3	1.3	1.9		
		8.8	2.7		4.7	1.5		6.6	1.7		15.7	2.3		10.9	4.4		
HML4ZY	23.1	-0.9	0.5	69.2	0.1	0.5	10.5	0.1	0.2	32.5	0.2	0.4	57.6	0.0	0.6		
		-3.0	0.6		1.2	1.3		0.4	0.1		0.9	0.4		0.1	1.3		
9P39J6	18.6	-2.1	0.1	58.5	-1.2	0.4	8.4	-0.5	0.1	29.4	-0.5	0.0	58.6	0.1	0.0		
		-7.5	0.1		-9.5	0.9		-1.7	0.0		-2.2	0.0		1.2	0.1		
KJBZ3T	28.3	0.6	0.5	75.0	0.9	0.4	8.3	-0.5	0.9	30.0	-0.4	1.0	55.3	-0.3	0.5		
		2.2	0.6		7.0	1.0		-1.7	0.6		-1.5	1.0		-2.1	1.2		
3HG3JC	26.6	0.1		66.3	-0.2		18.1	2.4		27.3	-1.1		50.5	-0.8			
		0.5	0.0		-1.8	0.0		8.1	0.0		-4.2	0.0		-7.0	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
E8KYJY	29.8	1.1	0.4	74.2	0.8	1.5	9.5	-0.2	0.1	35.7	1.0	0.1	59.9	0.3	0.5
		3.7	0.5		6.2	3.8		-0.6	0.1		4.1	0.2		2.5	1.1
2ZLAYD	29.3	0.9	1.3	77.3	1.2	1.6	20.0	2.9	4.0	27.7	-1.0	1.1	57.3	0.0	1.3
		3.2	1.5		9.3	4.0		9.9	2.6		-3.9	1.2		-0.1	2.9
XD4VUG	25.5	-0.2	0.9	59.8	-1.0	0.3	9.4	-0.2	1.2	27.7	-1.0	1.1	45.4	-1.5	0.1
		-0.6	1.1		-8.2	0.7		-0.7	0.8		-3.9	1.1		-12.1	0.1
9GTK67	24.4	-0.5	0.7	69.8	0.2	0.3	20.1	3.0	0.2	32.1	0.2	1.2	61.1	0.4	0.9
		-1.7	0.8		1.8	0.7		10.1	0.1		0.6	1.2		3.7	2.1
WWZ2MH	18.7	-2.1	0.0	52.6	-1.9	0.0	7.9	-0.6	0.0	26.2	-1.4	0.0	57.1	0.0	0.0
		-7.4	0.0		-15.4	0.0		-2.1	0.0		-5.3	0.0		-0.3	0.0
MFPVJN	24.3	-0.5	1.3	62.7	-0.7	0.6	10.7	0.2	0.9	31.7	0.0	0.6	58.3	0.1	2.2
		-1.8	1.5		-5.3	1.5		0.6	0.6		0.1	0.6		0.9	5.0
2RDHVB	29.1	0.8	1.8	63.5	-0.6	0.3	17.5	2.2	0.9	31.6	0.0	2.0	50.6	-0.8	1.0
		3.0	2.2		-4.5	0.7		7.5	0.6		0.0	2.1		-6.8	2.3
YXPMTD	27.2	0.3	0.1	69.0	0.1	0.0	10.1	0.0	0.2	32.6	0.3	0.5	55.5	-0.2	0.2
		1.0	0.1		1.0	0.0		0.0	0.2		1.0	0.6		-1.9	0.4
V3RMFD	26.4	0.1	0.7	61.5	-0.8	0.5	9.6	-0.1	1.0	35.1	0.9	1.3	65.8	1.0	0.5
		0.3	0.8		-6.5	1.2		-0.4	0.7		3.6	1.4		8.3	1.2
PZ7RCJ	25.7	-0.1	0.2	68.9	0.1	0.3	9.7	-0.1	0.1	33.9	0.6	0.1	61.5	0.5	0.4
		-0.4	0.3		0.9	0.8		-0.4	0.1		2.4	0.1		4.0	0.8
RF99BG	28.0	0.5	0.0	68.0	0.0	0.8	9.6	-0.1	0.3	30.3	-0.3	0.6	50.3	-0.9	0.3
		1.9	0.0		0.0	2.0		-0.5	0.2		-1.2	0.6		-7.1	0.6
BX698W	28.7	0.7	0.3	72.7	0.6	0.3	10.9	0.3	0.3	32.0	0.1	0.8	56.6	-0.1	0.5
		2.6	0.3		4.7	0.7		0.9	0.2		0.5	0.8		-0.8	1.1
9WKG82	25.6	-0.1	3.9	58.7	-1.1	4.7	9.3	-0.2	0.8	29.8	-0.4	1.7	68.1	1.3	3.6
		-0.5	4.6		-9.3	11.8		-0.8	0.5		-1.7	1.8		10.6	8.1
4TXAV7	23.9	-0.6		60.9	-0.9		9.3	-0.2		26.5	-1.3		44.2	-1.6	
		-2.2	0.0		-7.1	0.0		-0.8	0.0		-5.0	0.0		-13.3	0.0
EJR4AR	26.2	0.0	0.4	68.6	0.1	0.6	9.8	-0.1	0.1	28.8	-0.7	1.1	50.2	-0.9	0.2
		0.1	0.5		0.6	1.6		-0.3	0.1		-2.7	1.1		-7.2	0.5
ACVHGX	26.5	0.1		80.8	1.6	0.0	9.9	-0.1	0.0	29.1	-0.6	0.0	55.5	-0.2	
		0.4	0.0		12.8	0.0		-0.2	0.0		-2.4	0.0		-2.0	0.0
GPT3XM	30.5	1.3	0.0	72.2	0.5	0.1	10.6	0.2	0.1	32.9	0.4	0.3	56.6	-0.1	0.1
		4.4	0.0		4.2	0.2		0.5	0.0		1.4	0.3		-0.9	0.3
XJT9V6	25.8	-0.1	0.1	66.5	-0.2	0.1	9.3	-0.2	0.4	28.4	-0.8	0.4	51.2	-0.8	0.5
		-0.4	0.2		-1.5	0.2		-0.8	0.3		-3.2	0.5		-6.3	1.2
HU3FFL	24.1	-0.6	0.6	53.3	-1.8	1.8	10.6	0.2	0.5	31.1	-0.1	0.5	70.9	1.6	0.5
		-2.0	0.7		-14.7	4.6		0.5	0.4		-0.4	0.5		13.4	1.2
9KRXTW	29.9	1.1	0.8	67.3	-0.1	1.2	9.9	-0.1	1.2	39.1	1.9	1.4	62.8	0.6	1.4
		3.8	0.9		-0.7	3.2		-0.2	0.8		7.6	1.5		5.3	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		
Grand Median		26.1			68.0			10.1			31.5			57.5	
Median Abs Dev		1.8			4.7			0.8			1.7			5.2	
Avg Within Lab SD		1.2			2.5			0.7			1.0			2.3	
Labs Included		40			40			40			40			40	
Labs Reporting		40			40			40			40			40	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
WPJ78M	19.7	-1.0	0.3	60.7	-0.8	0.2	8.3	-0.5	0.4	22.7	-1.2	0.3	52.3	-0.9	0.8	
		-9.3	0.6		-9.3	0.6		-7.3	0.6		-7.7	0.6		-7.4	2.1	
ZTQT9G	23.3	-0.6	0.4	60.3	-0.8	0.3	11.5	-0.3	0.3	25.3	-0.8	0.7	45.8	-1.6	0.3	
		-5.8	0.7		-9.6	1.0		-4.2	0.5		-5.0	1.4		-14.0	0.9	
VMZPEH	27.0	-0.2	0.6	82.3	1.0	1.0	25.1	0.7	1.3	36.2	0.9	0.8	59.7	0.0	2.0	
		-2.0	1.0		12.4	3.4		9.5	2.0		5.9	1.6		0.0	5.4	
ZT92XC	31.6	0.3	0.1	74.1	0.3	0.2	20.5	0.3	0.5	33.4	0.5	0.4	61.1	0.2	0.2	
		2.6	0.2		4.2	0.6		4.9	0.7		3.0	0.9		1.3	0.7	
K4H7TN	28.0	-0.1		50.7	-1.6	0.4	39.3	1.7	1.1	28.3	-0.3	0.8	56.3	-0.4	0.6	
		-1.0	0.0		-19.3	1.2		23.7	1.5		-2.0	1.5		-3.4	1.5	
LWH7TL	29.0	0.0	0.6	62.7	-0.6	0.5	15.7	0.0	0.4	30.3	0.0	1.0	50.3	-1.1	0.4	
		0.0	1.0		-7.3	1.5		0.0	0.6		0.0	2.1		-9.4	1.2	
MZTJBK	59.9	3.3	1.5	69.9	0.0	1.6	48.9	2.4	2.0	27.9	-0.4	0.3	62.5	0.3	0.9	
		30.9	2.6		0.0	5.3		33.3	2.9		-2.4	0.7		2.7	2.5	
N6HFCF	31.3	0.2	0.7	74.2	0.3	1.2	13.7	-0.1	0.6	32.4	0.3	1.2	61.1	0.2	0.6	
		2.3	1.2		4.2	3.9		-1.9	0.8		2.1	2.3		1.4	1.6	
9KRXTW	32.7	0.4	2.3	77.2	0.6	1.8	14.9	-0.1	1.0	41.1	1.7	2.1	72.1	1.4	1.6	
		3.7	4.1		7.3	6.0		-0.8	1.5		10.8	4.3		12.4	4.2	
Grand Median		29.0		69.9			15.7			30.3			59.7			
Median Abs Dev		2.6		7.3			4.9			3.0			3.4			
Avg Within Lab SD		1.8		3.3			1.4			2.0			2.7			
Labs Included		9		9			9			9			9			
Labs Reporting		9		9			9			9			9			



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

NO3-N CTA (SubTestCode 129)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
2V9A2L	30.5	0.8	73.4	0.8	12.3	0.6	30.7	1.3	55.7	0.2	
		0.4		1.7		0.3		1.5		0.3	
PD8M9Q	26.9	1.5	69.2	1.6	18.2	0.1	30.5	1.2	50.1	1.2	
		0.7		3.3		0.0		1.4		1.3	
Y26GAB	33.6	0.5	82.2	0.0	12.6	1.6	36.5	0.2	63.3	1.2	
		0.2		0.0		0.7		0.3		1.4	
Grand Median	30.5		73.4		12.6		30.7		55.7		
Median Abs Dev											
Avg Within Lab SD	0.5		2.1		0.4		1.2		1.1		
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
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610				
Z4BZ87	29.0	1.0	76.7	1.0	7.2	1.0	32.5	1.0	58.0	1.0	
		2.4		2.0		2.0		0.7		1.2	
Grand Median	29.0		76.7		7.21		32.5		58.0		
Median Abs Dev											
Avg Within Lab SD	2.4		2.0		2.04		0.7		1.2		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

NH4 - N (KCl Extr.) (SubTestCode 131)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	5.30	0.14	0.00	3.40	0.27	0.01	6.13	0.80	0.13	5.92	0.22	0.04	7.74	0.08	0.00	
		0.37	0.00		0.43	0.01		1.41	0.09		0.43	0.04		0.20	0.00	
2V9A2L	2.90	-0.78	0.00	2.47	-0.32	0.09	4.27	-0.25	0.09	5.07	-0.21	0.06	6.73	-0.33	0.05	
		-2.03	0.00		-0.51	0.06		-0.45	0.06		-0.42	0.06		-0.81	0.06	
UJH8JT	7.54	1.00	0.52	6.13	1.99	0.34	7.16	1.39	0.40	9.24	1.90	0.23	11.95	1.81	0.15	
		2.61	0.46		3.16	0.23		2.45	0.27		3.76	0.21		4.40	0.18	
ETFYA8	8.26	1.28	0.54	6.04	1.93	0.61	5.49	0.45	0.48	8.16	1.36	0.43	10.90	1.38	0.22	
		3.33	0.47		3.07	0.41		0.78	0.32		2.68	0.39		3.35	0.26	
WN8QDL	2.55	-0.92	0.08	0.54	-1.53	0.06	5.56	0.48	0.21	2.50	-1.51	0.54	4.09	-1.42	0.06	
		-2.38	0.07		-2.43	0.04		0.85	0.14		-2.98	0.50		-3.46	0.07	
QHLKDT	4.05	-0.34	0.50	2.14	-0.53	0.94	3.07	-0.94	0.57	4.16	-0.67	0.63	6.35	-0.49	0.44	
		-0.88	0.44		-0.83	0.63		-1.64	0.39		-1.32	0.58		-1.20	0.52	
NM37AU	2.88	-0.79	0.66	1.76	-0.77	0.10	3.82	-0.51	1.54	3.81	-0.85	0.50	6.80	-0.31	0.52	
		-2.05	0.59		-1.22	0.07		-0.89	1.04		-1.68	0.46		-0.74	0.62	
PDR4NU	5.03	0.04	0.07	3.20	0.14	0.30	5.20	0.28	0.44	5.00	-0.24	0.22	9.40	0.76	0.00	
		0.10	0.06		0.23	0.20		0.49	0.30		-0.48	0.20		1.85	0.00	
LU92FX	6.00	0.41	1.13	4.67	1.07	2.27	5.00	0.16	1.48	6.67	0.60	1.25	11.33	1.56	1.30	
		1.07	1.00		1.69	1.53		0.29	1.00		1.19	1.15		3.79	1.53	
PD8M9Q	4.07	-0.33	0.31	2.23	-0.47	0.36	7.36	1.51	0.24	4.38	-0.56	0.21	5.79	-0.72	0.23	
		-0.86	0.27		-0.75	0.24		2.65	0.16		-1.10	0.19		-1.75	0.28	
HML4ZY	4.23	-0.27	0.17	2.27	-0.45	0.17	3.37	-0.77	0.09	5.93	0.23	0.06	7.90	0.15	0.15	
		-0.70	0.15		-0.71	0.12		-1.35	0.06		0.45	0.06		0.35	0.17	
9P39J6	3.83	-0.42	0.02	2.76	-0.14	0.04	4.47	-0.14	0.02	5.72	0.12	0.03	8.47	0.38	0.01	
		-1.10	0.02		-0.22	0.03		-0.25	0.02		0.24	0.03		0.92	0.02	
KJBZ3T	8.77	1.48	0.46	7.37	2.77	1.05	7.40	1.53	0.65	8.53	1.55	0.27	12.33	1.97	0.95	
		3.84	0.40		4.39	0.71		2.69	0.44		3.05	0.25		4.79	1.12	
3HG3JC	2.75	-0.84		3.05	0.05		4.73	0.01		3.43	-1.04		6.31	-0.51		
		-2.18	0.00		0.08	0.00		0.02	0.00		-2.05	0.00		-1.24	0.00	
E8KYJY	7.60	1.03	0.20	5.13	1.36	0.23	5.80	0.62	0.44	8.13	1.34	0.23	9.97	1.00	0.32	
		2.67	0.17		2.16	0.15		1.09	0.30		2.65	0.21		2.42	0.38	
XD4VUG	4.22	-0.27	0.21	2.47	-0.32	0.17	3.03	-0.96	0.11	4.71	-0.39	0.19	5.95	-0.66	0.08	
		-0.71	0.18		-0.50	0.12		-1.68	0.07		-0.77	0.18		-1.60	0.09	
WWZ2MH	5.01	0.03	0.01	3.37	0.25	0.00	5.19	0.27	0.00	5.53	0.02	0.00	8.18	0.26	0.00	
		0.08	0.01		0.40	0.00		0.48	0.00		0.05	0.00		0.64	0.01	
YXPMTD	4.85	-0.03	0.00	2.66	-0.20	0.03	3.66	-0.60	0.06	4.84	-0.33	0.02	7.35	-0.08	0.04	
		-0.08	0.00		-0.32	0.02		-1.05	0.04		-0.64	0.02		-0.20	0.05	
PZ7RCJ	4.30	-0.24	0.12	2.18	-0.50	0.08	3.59	-0.64	0.06	5.62	0.07	0.01	7.90	0.14	0.27	
		-0.63	0.10		-0.79	0.05		-1.12	0.04		0.14	0.01		0.35	0.32	
RF99BG	5.80	0.33	0.40	3.57	0.38	0.35	4.69	-0.01	1.12	6.46	0.50	0.90	8.60	0.43	0.56	
		0.87	0.36		0.60	0.24		-0.02	0.75		0.98	0.83		1.05	0.66	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
BX698W	5.19	0.10	0.08	3.37	0.25	0.19	4.26	-0.26	0.15	5.73	0.13	0.11	7.30	-0.10	0.14
		0.26	0.07		0.40	0.13		-0.45	0.10		0.25	0.10		-0.25	0.17
4TXAV7	5.80	0.33		2.90	-0.05		6.70	1.13		5.20	-0.14		7.30	-0.10	
		0.87	0.00		-0.08	0.00		1.99	0.00		-0.28	0.00		-0.25	0.00
EJR4AR	4.33	-0.23	0.23	2.33	-0.40	0.17	2.73	-1.13	0.45	5.43	-0.02	0.23	7.23	-0.13	0.18
		-0.60	0.21		-0.64	0.12		-1.98	0.31		-0.05	0.21		-0.31	0.21
MZTJBK	3.80	-0.43		2.80	-0.11		2.60	-1.20		3.60	-0.95		5.70	-0.76	
		-1.13	0.00		-0.18	0.00		-2.11	0.00		-1.88	0.00		-1.85	0.00
GPT3XM	16.54	4.47	1.35	3.32	0.22	0.34	2.21	-1.42	0.32	1.03	-2.26	0.22	4.58	-1.22	0.24
		11.61	1.20		0.34	0.23		-2.50	0.22		-4.45	0.20		-2.97	0.29
N6HFCF	7.50	0.99	4.58	4.70	1.09	4.21	4.87	0.09	4.26	6.10	0.31	4.70	9.43	0.78	4.71
		2.57	4.06		1.73	2.84		0.16	2.87		0.62	4.33		1.89	5.54
Grand Median		4.93			2.98			4.71			5.48			7.55	
Median Abs Dev		0.97			0.62			1.07			0.87			1.22	
Avg Within Lab SD		0.89			0.67			0.67			0.92			1.18	
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		

PO4-P Bray P1 (1:10) (SubTestCode 133)	in the Phosphorus and Sulfur Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
2V9A2L	32.8	1.4	0.3	59.5	0.5	0.3	35.7	0.3	0.3	12.3	0.1	0.4	104.3	-0.6	0.2	
		7.0	0.3		4.6	0.5		7.3	0.6		0.3	0.3		-10.3	0.6	
BYXYDC	27.0	0.2	0.9	53.0	-0.2	1.5	117.7	3.6	1.3	14.0	1.0	1.5	124.0	0.6	1.4	
		1.2	1.0		-1.9	2.6		89.3	2.5		1.9	1.0		9.4	4.4	
UJH8JT	27.6	0.4	0.7	60.7	0.6	0.3	28.4	0.0	0.2	12.0	0.0	1.0	118.6	0.2	0.1	
		1.8	0.8		5.8	0.5		0.0	0.4		0.0	0.6		4.0	0.2	
ETFYA8	17.8	-1.6	0.4	54.5	0.0	0.4	20.7	-0.3	0.5	10.1	-1.0	0.5	114.6	0.0	0.6	
		-8.0	0.4		-0.4	0.8		-7.6	1.0		-2.0	0.3		0.0	1.8	
QHLKDT	25.7	0.0	1.2	42.6	-1.2	2.2	25.3	-0.1	0.9	13.0	0.4	1.1	130.6	1.0	3.5	
		-0.1	1.4		-12.3	3.8		-3.0	1.7		0.9	0.7		16.0	11.1	
NM37AU	27.5	0.3	1.1	60.2	0.5	2.0	22.0	-0.3	1.4	13.8	0.9	1.3	126.7	0.7	1.6	
		1.7	1.3		5.3	3.5		-6.4	2.7		1.8	0.8		12.1	5.0	
WP3AEN	17.4	-1.7	0.4	57.0	0.2	1.1	23.3	-0.2	0.6	4.1	-3.9	0.2	111.6	-0.2	0.4	
		-8.4	0.4		2.1	2.0		-5.1	1.1		-8.0	0.1		-3.0	1.3	
9JB2YB	24.3	-0.3	0.6	44.4	-1.0	0.6	15.5	-0.5	0.3	11.0	-0.5	0.1	118.3	0.2	0.2	
		-1.5	0.6		-10.5	1.0		-12.9	0.5		-1.1	0.0		3.7	0.6	
PD8M9Q	30.2	0.9	1.2	47.3	-0.7	1.8	26.1	-0.1	2.4	11.7	-0.2	1.2	110.0	-0.3	1.4	
		4.4	1.3		-7.6	3.1		-2.3	4.5		-0.4	0.8		-4.6	4.4	
4XUXCD	20.3	-1.1	0.5	52.0	-0.3	1.0	34.3	0.2	0.3	12.0	0.0	0.0	88.0	-1.6	0.8	
		-5.5	0.6		-2.9	1.7		6.0	0.6		-0.1	0.0		-26.6	2.6	
HML4ZY	26.3	0.1	0.5	60.3	0.5	0.7	31.3	0.1	0.3	12.0	0.0	0.0	122.3	0.5	0.7	
		0.5	0.6		5.4	1.2		3.0	0.6		-0.1	0.0		7.7	2.3	
JDB3EY	26.7	0.2	1.0	44.3	-1.0	0.8	99.3	2.8	0.6	10.1	-1.0	0.5	105.7	-0.5	0.8	
		0.9	1.2		-10.6	1.4		70.9	1.1		-2.0	0.3		-8.9	2.4	
N7UE8P	28.7	0.6	0.7	62.0	0.7	0.0	29.5	0.0	0.2	11.4	-0.3	0.5	100.8	-0.8	0.5	
		2.9	0.8		7.1	0.1		1.1	0.4		-0.7	0.4		-13.8	1.7	
9P39J6	37.0	2.3	0.4	67.2	1.2	0.4	23.0	-0.2	0.2	15.0	1.4	0.5	154.6	2.4	0.1	
		11.2	0.4		12.3	0.6		-5.4	0.3		2.9	0.3		40.0	0.3	
VMZPEH	25.8	0.0	1.2	54.9	0.0	0.6	24.3	-0.2	0.3	11.4	-0.3	0.7	116.7	0.1	0.5	
		0.0	1.4		0.0	1.0		-4.1	0.7		-0.6	0.5		2.1	1.5	
E8KYJY	25.7	0.0	1.3	66.0	1.1	0.6	35.0	0.3	0.5	10.7	-0.7	0.9	121.0	0.4	1.1	
		-0.1	1.5		11.1	1.0		6.6	1.0		-1.4	0.6		6.4	3.6	
9GTK67	24.0	-0.4	0.0	65.0	1.0	0.6	35.3	0.3	0.8	13.7	0.8	0.9	120.7	0.4	0.7	
		-1.8	0.0		10.1	1.0		7.0	1.5		1.6	0.6		6.1	2.1	
Q2DTBN	26.7	0.2	0.2	58.7	0.4	0.1	37.5	0.4	0.1	13.7	0.8	0.3	137.5	1.4	0.7	
		0.9	0.3		3.8	0.3		9.1	0.3		1.6	0.2		22.9	2.2	
GC6ZFU	24.7	-0.2	0.5	46.7	-0.8	0.9	111.7	3.3	1.1	14.0	1.0	2.7	127.3	0.8	0.7	
		-1.1	0.6		-8.2	1.5		83.3	2.1		1.9	1.7		12.7	2.1	
3B3GB8	30.2	0.9	0.3	61.7	0.7	0.8	36.5	0.3	1.4	12.5	0.2	0.8	102.0	-0.8	0.0	
		4.4	0.3		6.8	1.4		8.1	2.6		0.4	0.5		-12.6	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		
ZT92XC	28.2	0.5	1.0	60.0	0.5	0.3	21.1	-0.3	1.2	12.2	0.1	0.9	91.1	-1.4	0.6
		2.4	1.1		5.1	0.5		-7.3	2.3		0.2	0.6		-23.5	2.0
V3RMFD	26.7	0.2	1.0	64.7	1.0	0.9	21.0	-0.3	0.9	14.0	1.0		133.7	1.1	0.8
		0.9	1.2		9.8	1.5		-7.4	1.7		1.9	0.0		19.1	2.5
PZ7RCJ	22.8	-0.6	0.2	63.1	0.8	0.4	25.6	-0.1	0.5	11.0	-0.5	0.3	109.3	-0.3	0.7
		-3.0	0.2		8.2	0.7		-2.7	1.0		-1.1	0.2		-5.3	2.1
K4H7TN	23.0	-0.6		54.3	-0.1	0.3	30.0	0.1		14.0	1.0	1.5	107.3	-0.4	0.2
		-2.8	0.0		-0.6	0.6		1.6	0.0		1.9	1.0		-7.3	0.6
ACVHGX	8.7	-3.5	0.3	10.7	-4.4	0.4	13.4	-0.6	0.8	4.6	-3.7	0.4	21.3	-5.6	0.6
		-17.1	0.3		-44.2	0.8		-15.0	1.5		-7.4	0.3		-93.3	2.0
HX3QCL	25.0	-0.2	2.3	49.7	-0.5	0.3	108.7	3.2	2.9	13.0	0.5	1.5	112.3	-0.1	0.8
		-0.8	2.6		-5.2	0.6		80.3	5.5		0.9	1.0		-2.3	2.5
HU3FFL	38.8	2.7	2.7	33.8	-2.1	0.3	14.6	-0.5	0.2	13.4	0.6	0.6	136.6	1.3	0.8
		13.0	3.2		-21.1	0.4		-13.8	0.3		1.3	0.4		22.1	2.6
9KRXTW	22.9	-0.6	0.6	49.6	-0.5	2.2	32.7	0.2	0.6	12.1	0.0	1.6	113.3	-0.1	0.5
		-2.9	0.7		-5.3	3.8		4.3	1.2		0.0	1.1		-1.3	1.5
Grand Median		25.8		54.9			28.4			12.1			114.6		
Median Abs Dev		1.8		5.8			6.6			1.1			8.9		
Avg Within Lab SD		1.2		1.7			1.9			0.7			3.2		
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		

PO4-P Bray P (1:7) (SubTestCode 134)	in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
9G9ZXE	22.1	0.0	0.3	51.2	0.4	0.6	24.0	-0.1	0.1	9.1	0.0	0.5	86.6	0.0	1.2
		-0.2	0.4		3.9	1.1		-0.3	0.4		-0.1	0.3		0.0	2.8
LU92FX	22.3	0.0	2.4	50.7	0.4	1.9	24.3	0.0	2.0	8.7	-0.2	2.0	68.7	-0.9	1.0
		0.0	4.0		3.3	3.5		0.0	5.1		-0.5	1.2		-18.0	2.3
PD8M9Q	30.2	0.7	0.8	47.3	0.0	1.7	26.1	0.7	1.7	11.7	0.9	1.4	110.0	1.1	1.8
		7.9	1.3		0.0	3.1		1.7	4.5		2.5	0.8		23.3	4.4
3HG3JC	18.0	-0.4		46.0	-0.1		22.0	-1.0		4.0	-1.8		77.0	-0.5	
		-4.3	0.0		-1.3	0.0		-2.3	0.0		-5.2	0.0		-9.7	0.0
EJR4AR	27.4	0.4	0.2	60.5	1.5	0.1	27.4	1.3	0.2	10.0	0.3	0.8	104.3	0.8	0.2
		5.1	0.4		13.1	0.2		3.1	0.5		0.8	0.4		17.7	0.6
6UNU32	58.9	3.1	0.6	27.2	-2.3	0.3	22.7	-0.7	0.1	13.4	1.5	0.4	117.0	1.4	0.8
		36.5	1.1		-20.1	0.5		-1.7	0.2		4.2	0.2		30.4	1.9
D79YPQ	21.0	-0.1	0.4	47.1	0.0	0.2	26.7	1.0	0.1	9.2	0.0	0.4	86.7	0.0	0.8
		-1.3	0.8		-0.2	0.4		2.3	0.3		0.0	0.2		0.0	1.8
Grand Median		22.3		47.3			24.3			9.19			86.7		
Median Abs Dev		4.3		3.3			1.7			0.81			17.7		
Avg Within Lab SD		1.7		1.8			2.6			0.58			2.4		
Labs Included		7		7			7			7			7		
Labs Reporting		7		7			7			7			7		



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

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups																
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			Data units: mg/kg
2V9A2L	11.1	-0.1	0.5	17.9	-0.6	0.4	47.3	0.0	0.4	8.5	-0.3	1.0	20.1	-0.8	0.2	
		-0.4	0.4		-2.4	0.6		0.2	0.8		-0.8	0.9		-5.5	0.4	
9G9ZXE	8.9	-0.8	0.8	14.1	-1.4	1.0	40.0	-0.8	1.8	6.6	-1.2	0.7	14.9	-1.5	1.3	
		-2.6	0.6		-6.2	1.4		-7.2	3.9		-2.6	0.6		-10.7	2.2	
7LQLUF	11.4	0.0	1.9	19.1	-0.3	0.6	45.4	-0.2	1.0	10.4	0.5	0.8	28.9	0.5	1.3	
		-0.1	1.5		-1.2	0.8		-1.7	2.2		1.1	0.7		3.3	2.1	
ETFYA8	24.5	4.0	1.7	21.6	0.3	0.3	54.4	0.8	0.8	9.6	0.1	1.2	27.6	0.3	0.8	
		12.9	1.3		1.3	0.4		7.2	1.8		0.3	1.0		2.0	1.3	
WN8QDL	8.5	-0.9	0.5	18.7	-0.4	0.4	42.8	-0.5	1.0	7.7	-0.7	0.3	25.3	0.0	1.0	
		-3.0	0.4		-1.6	0.5		-4.3	2.2		-1.5	0.3		-0.3	1.7	
NM37AU	12.4	0.3	0.6	20.1	0.0	0.7	43.7	-0.4	0.7	8.8	-0.2	0.6	25.6	0.0	0.6	
		0.9	0.5		-0.2	1.1		-3.5	1.5		-0.4	0.5		-0.1	1.1	
LU92FX	13.3	0.6	0.7	20.7	0.1	2.8	49.7	0.3	1.5	11.7	1.1	2.5	28.0	0.3	1.6	
		1.8	0.6		0.4	4.0		2.5	3.2		2.4	2.1		2.4	2.6	
WP3AEN	9.0	-0.8	0.7	21.7	0.3	0.4	32.7	-1.7	0.7	9.2	0.0	0.4	27.4	0.3	0.5	
		-2.5	0.6		1.4	0.6		-14.5	1.5		-0.1	0.3		1.8	0.9	
9JB2YB	8.2	-1.0	0.2	25.6	1.2	0.0	38.8	-1.0	0.7	8.8	-0.2	0.0	36.0	1.5	0.2	
		-3.3	0.2		5.3	0.0		-8.4	1.5		-0.5	0.0		10.4	0.3	
PD8M9Q	12.6	0.3	1.1	20.5	0.0	0.9	42.9	-0.5	1.3	8.2	-0.5	0.5	23.0	-0.4	0.8	
		1.1	0.9		0.2	1.2		-4.3	2.8		-1.1	0.4		-2.6	1.4	
4XUXCD	10.3	-0.4	0.7	18.3	-0.5	0.4	44.3	-0.3	0.5	7.7	-0.7	0.7	25.7	0.0	0.7	
		-1.2	0.6		-2.0	0.6		-2.8	1.2		-1.6	0.6		0.1	1.2	
Z9LAXF	20.7	2.8	0.7	29.3	2.1	2.1	52.7	0.6	2.3	14.3	2.3	0.7	37.7	1.7	0.3	
		9.1	0.6		9.0	3.1		5.5	4.9		5.1	0.6		12.1	0.6	
KG6H4X	10.6	-0.3	0.1	18.4	-0.4	1.3	39.2	-0.9	1.2	9.0	-0.1	0.4	19.3	-0.9	2.1	
		-0.9	0.0		-1.9	1.8		-8.0	2.6		-0.3	0.3		-6.3	3.6	
ZTQT9G	13.2	0.5	1.1	25.4	1.2	0.4	51.2	0.5	0.7	11.6	1.1	0.5	30.0	0.6	0.8	
		1.7	0.9		5.1	0.5		4.1	1.4		2.4	0.4		4.4	1.3	
HML4ZY	9.0	-0.8	0.1	19.8	-0.1	0.2	50.3	0.4	0.1	8.8	-0.2	0.3	24.0	-0.2	0.2	
		-2.5	0.1		-0.5	0.3		3.2	0.1		-0.4	0.3		-1.6	0.3	
KJBZ3T	12.0	0.1		20.0	-0.1		34.3	-1.5	0.3	12.3	1.4	0.7	25.0	-0.1	0.6	
		0.5	0.0		-0.3	0.0		-12.8	0.6		3.1	0.6		-0.6	1.0	
E8KYJY	9.0	-0.8		16.7	-0.8	1.1	41.0	-0.7	0.8	8.0	-0.6		21.7	-0.6	0.7	
		-2.5	0.0		-3.7	1.5		-6.2	1.7		-1.3	0.0		-4.0	1.2	
2ZLAYD	13.7	0.7	3.2	19.0	-0.3		47.3	0.0	0.7	12.7	1.5	1.8	21.7	-0.6	0.7	
		2.1	2.5		-1.3	0.0		0.2	1.5		3.4	1.5		-4.0	1.2	
9GTK67	9.8	-0.5	0.4	24.3	0.9	0.8	49.0	0.2	0.5	10.7	0.6	0.7	29.9	0.6	0.7	
		-1.7	0.3		4.0	1.2		1.8	1.0		1.4	0.6		4.3	1.2	
V3RMFD	11.7	0.0	0.7	16.7	-0.8	0.4	42.7	-0.5	0.7	10.0	0.3	1.2	30.7	0.7	0.7	
		0.1	0.6		-3.7	0.6		-4.5	1.5		0.7	1.0		5.1	1.2	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
RF99BG	10.0	-0.5		18.3	-0.5	0.4	45.0	-0.3	0.5	8.6	-0.3	0.4	22.0	-0.5	
		-1.5	0.0		-2.0	0.6		-2.2	1.0		-0.7	0.4		-3.6	0.0
K4H7TN	9.0	-0.8		29.0	2.0		58.3	1.3	0.7	12.0	1.2	1.2	44.0	2.6	0.6
		-2.5	0.0		8.7	0.0		11.2	1.5		2.7	1.0		18.4	1.0
Y26GAB	16.3	1.5	0.5	26.0	1.3	0.3	75.0	3.3	0.2	10.4	0.5	0.0	19.6	-0.9	0.1
		4.7	0.4		5.7	0.4		27.8	0.5		1.2	0.0		-6.0	0.2
4TXAV7	12.1	0.2		21.9	0.4		47.0	0.0		9.4	0.1		26.7	0.2	
		0.6	0.0		1.6	0.0		-0.2	0.0		0.1	0.0		1.1	0.0
EJR4AR	11.7	0.0	0.7	18.3	-0.5	0.4	49.3	0.3	0.3	10.0	0.3		21.7	-0.6	0.7
		0.1	0.6		-2.0	0.6		2.2	0.6		0.7	0.0		-4.0	1.2
6UNU32	13.6	0.6	0.6	25.7	1.2	1.8	61.5	1.7	0.4	6.5	-1.2	1.7	33.9	1.2	1.8
		2.1	0.5		5.4	2.6		14.4	0.9		-2.7	1.4		8.3	3.0
GPT3XM	10.9	-0.2	1.6	18.8	-0.3	0.3	47.7	0.1	0.7	6.6	-1.2	0.1	21.8	-0.5	0.4
		-0.7	1.3		-1.5	0.4		0.6	1.6		-2.7	0.1		-3.8	0.7
D79YPQ	12.0	0.1	0.2	21.2	0.2	0.1	51.5	0.5	0.3	7.5	-0.8	0.1	23.0	-0.4	0.1
		0.4	0.2		0.8	0.1		4.3	0.7		-1.7	0.1		-2.6	0.2
XJT9V6	36.6	7.7	7.9	45.3	5.7	4.8	110.4	7.4	6.8	19.8	4.7	2.0	46.1	2.9	2.2
		25.1	6.3		25.0	6.8		63.2	14.6		10.5	1.7		20.5	3.6
HU3FFL	13.4	0.6	1.1	25.4	1.2	0.2	52.8	0.7	1.3	11.6	1.1	1.1	36.2	1.5	0.4
		1.8	0.9		5.1	0.3		5.7	2.7		2.4	0.9		10.6	0.6
N6HFCF	11.2	-0.1	1.3	24.6	1.0	2.5	46.0	-0.1	2.3	9.3	0.0	2.5	27.9	0.3	2.9
		-0.4	1.0		4.3	3.6		-1.2	4.9		0.1	2.1		2.3	4.9
Grand Median		11.5			20.3			47.2			9.25			25.6	
Median Abs Dev		1.7			2.0			4.3			1.22			3.9	
Avg Within Lab SD		0.8			1.4			2.1			0.83			1.7	
Labs Included		30			30			30			30			30	
Labs Reporting		30			30			30			30			30	



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

PO4-P M. Morgan (SubTestCode 136)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
2V9A2L	40.50	0.13	3.17	0.17	78.00	0.00	0.92	0.09	8.50	0.38	
		0.50		0.03		1.21		0.03		0.17	
9WKG82	40.00	1.68	1.17	1.72	75.50	4.33	1.00	0.00	4.00	1.11	
		6.24		0.29		0.74		1.73		0.50	
EJR4AR	42.33	0.41	5.00	0.00	100.00	2.65	2.33	0.58	10.67	1.28	
		1.53								0.58	
Grand Median		40.5		3.17		78.0		1.00		8.50	
Median Abs Dev											
Avg Within Lab SD		3.7		0.17		3.6		0.33		0.45	
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		

PO4-P Mod. Kelowna (SubTestCode 137)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
RF99BG	24.3	1.4	46.0	1.4	110.0	0.0	12.0	1.4	86.0	1.4	
		1.2		1.0				1.0		1.7	
4TXAV7	18.0	0.0	37.1	0.0	86.0	0.0	9.1	0.0	76.0	0.0	
Grand Median	21.2		41.6		98.0		10.6		81.0		
Median Abs Dev											
Avg Within Lab SD	0.8		0.7		0.0		0.7		1.2		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



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

PO4-P Strong Bray (1:10) (SubTestCode 138)			in the Phosphorus and Sulfur Property Groups												Data units: mg/kg	
	SRSSRS1606		SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610				
2V9A2L	207.7	0.7	0.2	87.3	0.1	0.2	213.0	0.2	0.5	68.0	-0.1			123.7	-1.1	0.2
		16.9	0.6		0.9	0.6		4.2	1.7		-1.2	0.0			-24.3	0.6
ETFYA8	197.3	0.3	0.7	72.0	-2.0	0.5	237.4	1.3	0.2	75.8	0.6	0.8		157.0	0.4	0.0
		6.5	2.3		-14.4	1.6		28.5	0.7		6.6	1.4			9.0	0.1
NM37AU	174.4	-0.6	2.3	90.6	0.6	2.6	209.6	0.0	1.4	67.0	-0.2	2.3		158.8	0.5	1.7
		-16.4	7.6		4.2	7.6		0.8	4.5		-2.2	3.9			10.8	5.0
9JB2YB	200.6	0.4	1.3	85.5	-0.1	0.5	208.1	0.0	0.3	81.0	1.1			156.7	0.4	0.7
		9.8	4.1		-0.9	1.4		-0.8	0.9		11.8	0.0			8.7	2.1
HML4ZY	184.3	-0.3	0.2	87.3	0.1	0.4	216.3	0.3	0.8	70.3	0.1	0.3		142.0	-0.3	1.5
		-6.5	0.6		0.9	1.2		7.5	2.5		1.2	0.6			-6.0	4.4
3HG3JC	205.0	0.6		73.0	-1.9		171.0	-1.8		49.0	-1.9			95.0	-2.4	
		14.2	0.0		-13.4	0.0		-37.9	0.0		-20.2	0.0			-53.0	0.0
E8KYJY	161.3	-1.2	0.2	87.7	0.2	0.5	179.0	-1.4	0.8	56.0	-1.2	0.6		145.0	-0.1	0.9
		-29.5	0.6		1.2	1.5		-29.9	2.6		-13.2	1.0			-3.0	2.6
V3RMFD	153.3	-1.5	0.8	84.0	-0.3	0.7	202.3	-0.3	2.1	70.7	0.1	0.9		151.0	0.1	1.3
		-37.5	2.5		-2.4	2.0		-6.5	6.8		1.5	1.5			3.0	4.0
Grand Median		190.8		86.4			208.9			69.2				148.0		
Median Abs Dev		15.3		1.8			7.0			4.4				8.9		
Avg Within Lab SD		3.3		3.0			3.2			1.7				3.0		
Labs Included		8		8			8			8				8		
Labs Reporting		8		8			8			8				8		



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

PO4-P Water Soluble (SubTestCode 139)	in the Phosphorus and Sulfur Property Groups									Data units: mg/kg
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		SRSSRS1610	
BX698W	8.49	1.00 0.14	1.60	1.00 0.06	15.73	1.00 0.57	1.11	1.00 0.08	5.34	1.00 0.13
Grand Median	8.49		1.60		15.7		1.11		5.34	
Median Abs Dev										
Avg Within Lab SD	0.14		0.06		0.6		0.08		0.13	
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		

SO4 - S (PO4 Extr.) (SubTestCode 140)	in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610				
P2ZHHY	6.25	-0.59	0.30	13.00	0.61	0.45	662.25	-0.28	0.03	27.00	0.12	0.16	10.50	0.18	0.75		
		-3.75	0.25		3.14	0.50		-458.97	2.75		2.15	0.50		0.50	0.50		
9G9ZXE	6.00	-0.63	1.71	9.00	-0.17	1.22	614.00	-0.31	0.45	17.10	-0.42	0.70	8.23	-0.63	0.82		
		-4.00	1.42		-0.86	1.35		-507.22	40.15		-7.75	2.12		-1.77	0.55		
ETFYA8	8.12	-0.30	0.37	11.87	0.39	0.44	495.50	-0.38	0.10	29.71	0.26	0.40	10.19	0.07	0.96		
		-1.88	0.30		2.01	0.48		-625.72	8.75		4.86	1.22		0.19	0.64		
WN8QDL	9.49	-0.08	0.52	9.86	0.00	0.05	3,847.62	1.66	0.48	161.95	7.47	2.15	9.50	-0.18	0.32		
		-0.51	0.43		0.00	0.05		2,726.40	43.32		137.10	6.53		-0.50	0.21		
QHLKDT	14.32	0.69	2.20	5.67	-0.82	0.87	1,350.44	0.14	0.82	13.89	-0.60	1.23	8.15	-0.66	0.60		
		4.32	1.83		-4.19	0.96		229.22	73.39		-10.96	3.74		-1.85	0.40		
NM37AU	13.33	0.53	1.39	11.67	0.35	2.09	6,783.33	3.45	3.59	28.00	0.17	0.66	13.00	1.07	2.59		
		3.33	1.15		1.81	2.31		5,662.11	322.54		3.15	2.00		3.00	1.73		
9JB2YB	7.67	-0.37	0.07	7.87	-0.39	0.06	6,022.33	2.99	1.24	25.02	0.01	0.14	8.28	-0.62	0.12		
		-2.33	0.06		-1.99	0.07		4,901.11	111.43		0.17	0.41		-1.72	0.08		
PD8M9Q	18.63	1.37	0.14	13.13	0.64	0.79	1,563.33	0.27	0.06	34.83	0.54	3.10	12.67	0.96	0.48		
		8.63	0.12		3.27	0.87		442.11	5.77		9.98	9.41		2.67	0.32		
4XUXCD	10.00	0.00	0.00	9.67	-0.04	0.52	1,758.33	0.39	0.16	13.33	-0.63	0.19	11.00	0.36			
		0.00	0.00		-0.19	0.58		637.11	14.43		-11.52	0.58		1.00	0.00		
HML4ZY	6.33	-0.58	0.70	13.00	0.61	0.90	660.00	-0.28	0.17	27.67	0.15	0.83	10.00	0.00	0.00		
		-3.67	0.58		3.14	1.00		-461.22	15.00		2.82	2.52		0.00	0.00		
VMZPEH	21.37	1.80	0.98	14.17	0.84	0.29	382.93	-0.45	0.02	20.20	-0.25	0.77	10.83	0.30	1.27		
		11.37	0.81		4.31	0.32		-738.29	2.20		-4.65	2.35		0.83	0.85		
9GTK67	6.74	-0.52	0.45	8.31	-0.30	0.67	797.08	-0.20	0.76	24.85	0.00	0.45	9.89	-0.04	1.24		
		-3.26	0.38		-1.55	0.74		-324.14	68.34		0.00	1.35		-0.11	0.83		
MFPVJN	12.33	0.37	1.85	12.33	0.48	3.17	2,323.00	0.73	1.33	24.67	-0.01	0.50	9.67	-0.12	0.86		
		2.33	1.53		2.47	3.51		1,201.78	119.88		-0.18	1.53		-0.33	0.58		
6J7BH6	8.65	-0.21	1.42	14.96	1.00	1.09	1,075.78	-0.03	1.27	30.90	0.33	0.62	10.91	0.33	1.51		
		-1.35	1.18		5.10	1.21		-45.44	114.56		6.05	1.87		0.91	1.01		
V3RMFD	11.23	0.19	0.47	4.94	-0.96	0.10	1,617.67	0.30	0.16	22.36	-0.14	1.17	11.12	0.40	0.31		
		1.23	0.39		-4.92	0.11		496.44	14.29		-2.49	3.55		1.12	0.21		
RF99BG	12.00	0.32	1.21	5.50	-0.85	0.09	1,166.67	0.03	0.64	11.00	-0.76	0.33	7.53	-0.88	0.23		
		2.00	1.00		-4.36	0.10		45.44	57.74		-13.85	1.00		-2.47	0.15		
K4H7TN	5.00	-0.79	0.00	7.00	-0.56					31.67	0.37	0.19	7.00	-1.07			
		-5.00	0.00		-2.86	0.00					6.82	0.58		-3.00	0.00		
4TXAV7	13.20	0.51		6.50	-0.66		1,380.00	0.16		16.80	-0.44		7.70	-0.82			
		3.20	0.00		-3.36	0.00		258.78	0.00		-8.05	0.00		-2.30	0.00		
MZTJBK	21.80	1.87		16.10	1.22		554.90	-0.35		25.20	0.02		14.00	1.43			
		11.80	0.00		6.24	0.00		-566.32	0.00		0.35	0.00		4.00	0.00		
HU3FFL	3.13	-1.09	0.72	0.67	-1.80	0.35	90.61	-0.63	0.04	5.32	-1.06	0.39	1.77	-2.95	0.75		
		-6.87	0.59		-9.19	0.39		-1,030.61	3.33		-19.53	1.17		-8.23	0.50		



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
9KRXTW	18.50	1.35	1.21	17.30	1.46	0.59	360.00	-0.46	0.07	17.47	-0.40	0.56	13.03	1.09	2.12
		8.50	1.00		7.44	0.66		-761.22	6.00		-7.38	1.70		3.03	1.42
Grand Median		10.00			9.86			1,121.2			24.9			10.00	
Median Abs Dev		3.33			3.14			536.8			6.0			1.72	
Avg Within Lab SD		0.83			1.11			89.9			3.0			0.67	
Labs Included		21			21			20			21			21	
Labs Reporting		21			21			20			21			21	



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
9G9ZXE	847.3	0.7	0.4	129.7	0.3	0.3	606.0	0.5	0.8	103.7	0.0	0.4	91.0	-0.2	0.7	
		83.1	11.0		6.0	1.5		48.8	17.3		0.3	2.5		-3.7	3.5	
BYXYDC	648.9	-1.0	0.3	107.8	-0.9	1.5	457.2	-1.0	0.1	96.0	-0.6	0.6	94.3	0.0	0.9	
		-115.3	7.1		-15.9	7.3		-100.0	2.7		-7.3	3.4		-0.4	4.5	
7LQLUF	774.9	0.1	0.3	114.4	-0.5	2.2	544.2	-0.1	0.3	103.9	0.0	5.2	82.7	-0.7	4.3	
		10.7	8.2		-9.2	10.5		-13.0	7.9		0.6	30.3		-12.0	20.4	
UJH8JT	763.4	0.0	0.5	158.4	2.0	0.3	645.4	0.9	0.1	127.7	2.0	0.2	124.3	1.7	0.4	
		-0.8	13.2		34.7	1.3		88.2	2.9		24.3	1.1		29.6	1.7	
ETFYA8	800.3	0.3	0.1	128.9	0.3	0.4	572.5	0.2	0.3	112.9	0.8	0.2	109.7	0.8	0.4	
		36.1	3.7		5.2	2.0		15.3	7.1		9.5	1.1		15.0	1.7	
WN8QDL	721.6	-0.4	0.4	148.0	1.4	0.2	384.8	-1.7	0.3	100.9	-0.2	0.1	83.8	-0.6	0.2	
		-42.6	9.4		24.4	0.8		-172.4	7.4		-2.5	0.7		-10.9	1.1	
QHLKDT	876.4	0.9	0.9	137.4	0.8	0.5	631.0	0.7	0.2	103.5	0.0	1.0	98.6	0.2	0.4	
		112.2	23.3		13.8	2.6		73.8	5.2		0.2	6.0		3.9	2.1	
NM37AU	642.0	-1.0	1.4	168.3	2.6	2.6	563.7	0.1	0.5	115.7	1.0	0.4	117.0	1.3	1.0	
		-122.2	34.4		44.7	12.3		6.5	10.8		12.3	2.5		22.3	4.6	
LU92FX	674.3	-0.8	0.8	117.0	-0.4	1.8	485.3	-0.7	0.8	107.3	0.3	0.8	108.3	0.8	1.6	
		-89.9	21.0		-6.7	8.7		-71.9	18.9		4.0	4.5		13.6	7.5	
WP3AEN	748.3	-0.1	1.0	132.0	0.5	0.6	510.3	-0.5	0.2	115.0	1.0	1.2	126.3	1.8	0.7	
		-15.9	25.7		8.3	3.0		-46.9	4.5		11.7	7.2		31.6	3.2	
PD8M9Q	788.8	0.2	0.6	135.6	0.7	2.5	548.7	-0.1	0.4	100.8	-0.2	0.6	92.5	-0.1	1.2	
		24.6	14.7		11.9	11.9		-8.5	8.6		-2.5	3.4		-2.2	5.6	
4XUXCD	766.7	0.0	0.6	130.7	0.4	0.2	568.3	0.1	0.5	114.7	0.9	0.1	113.3	1.1	0.6	
		2.5	15.3		7.0	1.2		11.1	10.4		11.3	0.6		18.6	2.9	
YM93AG	784.7	0.2	0.2	133.6	0.6	0.4	557.2	0.0	0.4	103.0	0.0	0.3	95.4	0.0	0.5	
		20.5	5.1		9.9	1.9		0.0	8.1		-0.3	1.5		0.7	2.4	
Z9LAXF	896.0	1.1	0.4	105.7	-1.0	0.2	928.0	3.6	4.2	91.0	-1.0	0.3	81.3	-0.8	0.3	
		131.8	9.6		-18.0	1.2		370.8	95.7		-12.3	2.0		-13.4	1.5	
KG6H4X	929.0	1.4	3.2	129.0	0.3	0.8	669.0	1.1	2.4	126.7	1.9	2.1	115.0	1.2	2.7	
		164.8	81.0		5.3	4.0		111.8	55.0		23.3	12.5		20.3	13.0	
ZTQT9G	918.7	1.3	0.3	133.7	0.6	1.1	699.7	1.4	0.5	103.3	0.0	0.1	91.7	-0.2	0.4	
		154.5	7.6		10.0	5.1		142.5	11.5		0.0	0.6		-3.0	2.1	
HML4ZY	657.7	-0.9	1.3	123.3	0.0	0.1	526.7	-0.3	1.2	106.0	0.2	1.2	83.0	-0.7	1.1	
		-106.5	32.6		-0.3	0.6		-30.5	27.6		2.7	7.0		-11.7	5.3	
JDB3EY	759.7	0.0	1.6	133.3	0.6	0.5	591.0	0.3	0.7	107.6	0.4	0.2	118.7	1.4	0.2	
		-4.5	41.0		9.7	2.3		33.8	16.6		4.3	1.0		24.0	1.0	
N7UE8P	616.8	-1.2	0.4	109.8	-0.8	0.1	510.6	-0.5	0.3	106.4	0.3	0.2	94.7	0.0	0.3	
		-147.4	9.1		-13.9	0.4		-46.6	6.4		3.0	1.0		0.0	1.7	
3HG3JC	599.0	-1.4		93.0	-1.8		338.0	-2.2		74.0	-2.4		66.0	-1.6		
		-165.2	0.0		-30.7	0.0		-219.2	0.0		-29.3	0.0		-28.7	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
VMZPEH	706.6	-0.5	1.0	123.7	0.0	0.7	556.6	0.0	0.1	114.5	0.9	1.1	118.1	1.3	0.4
		-57.6	24.3		0.0	3.3		-0.6	3.1		11.2	6.5		23.4	2.0
E8KYJY	723.0	-0.3	0.2	125.0	0.1	0.6	525.0	-0.3	0.3	107.0	0.3	0.6	100.8	0.3	0.4
		-41.2	6.0		1.3	2.6		-32.2	7.5		3.7	3.6		6.1	2.0
2ZLAYD	773.3	0.1	0.2	118.3	-0.3	2.2	570.0	0.1		86.0	-1.4	0.2	75.7	-1.1	0.5
		9.1	5.8		-5.3	10.4		12.8	0.0		-17.3	1.0		-19.0	2.3
9GTK67	750.7	-0.1	0.3	126.0	0.1	0.6	516.0	-0.4	0.2	108.3	0.4	0.4	106.7	0.7	1.0
		-13.5	8.3		2.3	2.6		-41.2	4.0		5.0	2.5		12.0	4.5
Q2DTBN	666.7	-0.8	0.4	114.3	-0.5	0.2	464.3	-0.9	0.1	96.1	-0.6	0.2	98.5	0.2	0.1
		-97.5	9.7		-9.3	1.2		-92.9	2.1		-7.2	1.4		3.8	0.5
GC6ZFU	637.9	-1.1	0.2	105.9	-1.0	1.2	450.4	-1.1	0.3	97.6	-0.5	0.3	87.7	-0.4	0.7
		-126.3	4.4		-17.7	5.8		-106.8	7.6		-5.8	1.9		-7.0	3.3
2RDHVB	765.0	0.0	0.6	126.0	0.1	0.2	469.0	-0.9	0.2	81.3	-1.8	0.4	78.0	-0.9	0.8
		0.8	14.4		2.3	1.0		-88.2	5.6		-22.0	2.5		-16.7	4.0
6J7BH6	710.0	-0.5	0.2	121.5	-0.1	0.3	546.0	-0.1	0.2	98.2	-0.4	0.0	94.5	0.0	0.1
		-54.2	5.0		-2.2	1.3		-11.2	3.6		-5.2	0.2		-0.2	0.5
ZT92XC	1,064.5	2.5	1.1	130.5	0.4	0.4	658.4	1.0	0.9	109.9	0.5	0.5	108.5	0.8	0.1
		300.3	26.7		6.9	1.9		101.2	21.5		6.5	3.1		13.8	0.5
V3RMFD	727.3	-0.3	0.7	116.9	-0.4	1.3	570.4	0.1	0.2	102.0	-0.1	0.3	112.2	1.0	1.0
		-36.9	18.0		-6.8	6.3		13.2	4.2		-1.3	1.7		17.5	4.9
RF99BG	786.7	0.2	0.5	130.0	0.4		526.7	-0.3	0.3	93.3	-0.8	0.1	86.7	-0.5	0.1
		22.5	11.5		6.3	0.0		-30.5	5.8		-10.0	0.6		-8.0	0.6
K4H7TN	590.7	-1.5	0.4	123.3	0.0	0.5	484.3	-0.7	0.6	114.0	0.9	0.5	95.0	0.0	1.1
		-173.5	9.0		-0.3	2.5		-72.9	13.5		10.7	3.0		0.3	5.0
Y26GAB	562.9	-1.7	0.5	116.7	-0.4	0.3	423.1	-1.3	0.3	79.2	-2.0	0.3	75.7	-1.1	0.3
		-201.3	12.4		-6.9	1.5		-134.1	6.6		-24.1	1.7		-19.0	1.6
4TXAV7	962.0	1.7					688.0	1.3							
		197.8	0.0					130.8	0.0						
EJR4AR	780.0	0.1	0.8	115.3	-0.5	0.5	569.3	0.1	0.3	103.0	0.0	0.3	91.0	-0.2	0.2
		15.8	21.0		-8.3	2.5		12.1	8.0		-0.3	2.0		-3.7	1.0
ACVHGX	916.7	1.3	0.7	140.5	1.0	2.0	603.7	0.5	0.8	104.0	0.1	0.4	99.2	0.3	0.8
		152.5	16.6		16.9	9.4		46.5	19.4		0.7	2.3		4.5	3.6
6UNU32	767.7	0.0	1.1	123.4	0.0	0.3	524.6	-0.3	0.7	100.3	-0.2	0.2	87.0	-0.4	0.6
		3.5	26.9		-0.3	1.7		-32.6	15.1		-3.0	1.4		-7.7	2.9
GPT3XM	1,006.3	2.0	0.7	147.4	1.4	0.8	695.7	1.4	0.7	112.1	0.7	0.4	108.5	0.8	0.5
		242.1	18.2		23.7	3.7		138.5	16.5		8.7	2.5		13.8	2.2
D79YPQ	744.8	-0.2	1.7	164.5	2.3	0.3	610.3	0.5	1.3	92.1	-0.9	0.5	84.8	-0.6	0.7
		-19.4	42.0		40.9	1.5		53.1	29.5		-11.2	2.8		-9.9	3.2
XJT9V6	822.7	0.5	0.1	119.1	-0.3	0.3	575.0	0.2	0.1	102.4	-0.1	0.6	92.0	-0.2	0.2
		58.5	3.0		-4.6	1.4		17.8	3.0		-0.9	3.4		-2.7	1.0
HX3QCL	646.4	-1.0	0.2	112.0	-0.7	0.8	495.0	-0.6	0.3	103.6	0.0	1.0	86.9	-0.4	0.3
		-117.8	4.3		-11.6	3.6		-62.2	5.8		0.3	5.8		-7.8	1.3
HU3FFL	766.3	0.0	2.1	114.0	-0.6	0.5				99.6	-0.3	0.5	109.6	0.8	0.7
		2.1	53.3		-9.7	2.4					-3.7	3.2		14.9	3.1



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
N6HFCF	793.0	0.2	3.1	100.3	-1.3	0.3	639.0	0.8	2.8	77.2	-2.2	0.6	65.5	-1.7	0.3
		28.8	77.5		-23.4	1.6		81.8	63.9		-26.1	3.6		-29.2	1.5
9KRXTW	742.3	-0.2	0.3	109.7	-0.8	0.7	579.0	0.2	1.5	99.3	-0.3	0.1	99.3	0.3	0.3
		-21.9	6.7		-14.0	3.5		21.8	34.0		-4.0	0.6		4.6	1.5
Grand Median		764.2			123.7			557.2			103.3			94.7	
Median Abs Dev		55.9			9.2			46.9			5.2			11.7	
Avg Within Lab SD		25.4			4.8			23.0			5.9			4.7	
Labs Included		44			43			43			43			43	
Labs Reporting		44			43			43			43			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		

Ca Ammonium Acetate (SubTestCode 142)	in the Bases (1:10) Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
9G9ZXE	3,601.0	-0.7	0.3	868.0	-0.2	0.1	17,660.7	0.3	0.8	1,101.3	-0.6	0.3	591.3	-0.7	0.4	
		-643.7	76.5		-29.5	2.6		1,594.0	1,192.3		-105.6	30.6		-79.1	15.6	
BYXYDC	3,297.9	-1.0	0.3	752.8	-1.0	0.8	11,287.1	-0.9	0.1	1,106.5	-0.6	0.6	656.8	-0.1	0.2	
		-946.7	81.7		-144.7	22.7		-4,779.6	191.9		-100.4	65.7		-13.6	7.6	
7LQLUF	5,377.0	1.2	5.5	844.3	-0.4	2.1	17,302.7	0.2	0.2	770.6	-2.6	5.8	786.7	1.1	4.5	
		1,132.3	1,617.9		-53.2	56.9		1,236.0	343.7		-436.3	656.2		116.3	172.7	
UJH8JT	2,098.0	-2.4	0.0	1,208.0	2.2	0.2	1,372.7	-2.6	0.0	1,470.0	1.6	0.2	825.0	1.4	0.3	
		-2,146.7	4.6		310.5	5.0		-14,694.0	9.7		263.1	21.2		154.6	12.1	
ETFYA8	4,750.0	0.6	0.3	970.6	0.5	0.2	17,902.0	0.3	0.2	1,336.0	0.8	0.2	826.4	1.4	0.6	
		505.3	97.5		73.1	5.7		1,835.3	279.1		129.1	20.5		156.0	22.2	
WN8QDL	3,834.0	-0.5	0.2	1,107.1	1.5	0.7	7,644.3	-1.5	0.1	1,429.5	1.3	0.1	706.8	0.3	0.9	
		-410.7	50.1		209.6	17.8		-8,422.4	167.4		222.5	6.8		36.4	34.3	
QHLKDT	4,313.9	0.1	0.7	977.7	0.6	1.7	13,539.0	-0.5	0.6	1,181.2	-0.2	0.3	643.9	-0.2	0.9	
		69.2	210.7		80.2	46.0		-2,527.6	994.4		-25.7	28.9		-26.5	32.8	
NM37AU	4,317.3	0.1	0.1	958.3	0.4	1.7	16,066.7	0.0	0.1	1,247.0	0.2	0.1	777.7	1.0	0.3	
		72.7	17.1		60.8	45.8		0.0	223.0		40.1	14.4		107.3	10.1	
LU92FX	3,318.7	-1.0	0.3	816.7	-0.6	1.2	10,963.3	-0.9	0.2	1,322.7	0.7	0.9	699.7	0.3	0.9	
		-926.0	93.4		-80.8	32.7		-5,103.3	347.0		115.7	96.5		29.3	33.6	
WP3AEN	4,300.3	0.1	0.4	911.7	0.1	0.5	17,143.3	0.2	0.2	1,215.3	0.1	0.1	635.7	-0.3	0.2	
		55.7	120.4		14.2	12.6		1,076.7	341.2		8.4	9.5		-34.7	9.5	
9JB2YB	4,064.7	-0.2	0.1	1,063.6	1.2	0.6	7,530.3	-1.5	0.0	1,276.3	0.4	0.1	781.7	1.0	0.3	
		-180.0	20.3		166.1	15.6		-8,536.3	14.6		69.4	7.6		111.3	11.8	
PD8M9Q	4,631.2	0.4	0.3	987.8	0.6	0.7	12,972.6	-0.6	0.3	1,155.8	-0.3	0.2	666.1	0.0	1.0	
		386.6	83.6		90.3	19.9		-3,094.1	446.7		-51.2	21.7		-4.3	37.1	
4XUXCD	4,516.7	0.3	0.1	1,028.3	0.9	0.8	12,306.7	-0.7	5.9	1,340.0	0.8	0.1	771.7	0.9	0.7	
		272.0	28.9		130.8	20.2		-3,760.0	9,090.5		133.1	10.0		101.3	25.7	
YM93AG	3,986.0	-0.3	0.2	947.1	0.3	0.6	12,163.3	-0.7	0.1	1,204.3	0.0	0.4	624.0	-0.4	0.1	
		-258.7	69.9		49.6	17.3		-3,903.3	110.6		-2.6	40.4		-46.4	3.2	
Z9LAXF	5,860.0	1.8	0.2	1,060.0	1.1		28,266.7	2.2	1.7	1,286.7	0.5	0.4	695.0	0.2	0.2	
		1,615.3	72.1		162.5	0.0		12,200.0	2,602.6		79.7	40.4		24.6	8.7	
KG6H4X	4,895.0	0.7	2.6	1,075.0	1.2	2.4	19,400.0	0.6	1.1	1,495.0	1.7	1.5	785.0	1.1	3.3	
		650.3	755.0		177.5	65.0		3,333.3	1,700.0		288.1	165.0		114.6	124.0	
ZTQT9G	3,993.7	-0.3	0.8	853.0	-0.3	0.4	19,086.7	0.5	1.0	1,048.0	-0.9	0.1	583.0	-0.8	0.1	
		-251.0	234.5		-44.5	11.5		3,020.0	1,592.9		-158.9	10.6		-87.4	2.0	
HML4ZY	3,020.0	-1.4	0.4	856.7	-0.3	0.6	16,450.0	0.1	0.4	1,243.3	0.2	0.8	680.0	0.1	0.7	
		-1,224.7	127.7		-40.8	15.3		383.3	606.7		36.4	92.9		9.6	26.5	
JDB3EY	3,576.0	-0.7	0.5	768.3	-0.9	0.5	10,459.0	-1.0	0.3	972.3	-1.4	0.2	703.0	0.3	0.5	
		-668.7	143.2		-129.2	14.6		-5,607.7	428.1		-234.6	24.7		32.6	18.4	
N7UE8P	4,217.7	0.0	0.0	912.1	0.1	0.2	15,778.7	-0.1	0.1	1,323.7	0.7	0.2	756.0	0.8	0.1	
		-27.0	14.0		14.6	4.5		-288.0	219.7		116.7	20.3		85.6	4.6	



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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		Difference	W/L	STD		Difference	W/L	STD		Difference	W/L	STD		Difference	W/L	STD	
3HG3JC	3,614.0	-0.7			714.0	-1.3			10,684.0	-1.0			908.0	-1.8			452.0	-2.0											
		-630.7	0.0			-183.5	0.0			-5,382.7	0.0			-298.9	0.0			-218.4	0.0										
VMZPEH	4,423.8	0.2	0.5		819.9	-0.5	1.2		17,694.2	0.3	0.3		1,336.3	0.8	0.3		785.9	1.1	0.8										
		179.2	144.8			-77.6	31.5			1,627.5	443.3			129.4	32.2			115.5	29.4										
E8KYJY	4,196.3	-0.1	0.2		946.7	0.3	0.7		16,263.3	0.0	0.2		1,245.7	0.2	0.1		661.7	-0.1	0.5										
		-48.3	45.5			49.2	18.8			196.7	280.4			38.7	16.3			-8.7	18.9										
2ZLAYD	3,600.0	-0.7			856.7	-0.3	0.4		16,000.0	0.0			1,000.0	-1.2			621.7	-0.5	0.2										
		-644.7	0.0			-40.8	11.5			-66.7	0.0			-206.9	0.0			-48.7	7.6										
9GTK67	3,975.0	-0.3	0.2		920.6	0.2	0.2		14,981.7	-0.2	0.2		1,103.9	-0.6	0.3		685.5	0.1	1.0										
		-269.7	69.9			23.1	4.4			-1,084.9	283.0			-103.0	32.7			15.1	36.1										
Q2DTBN	3,763.7	-0.5	0.1		799.7	-0.7	0.2		13,888.3	-0.4	0.0		1,152.0	-0.3	0.0		713.3	0.4	0.1										
		-481.0	36.3			-97.8	6.7			-2,178.3	68.3			-54.9	5.2			42.9	3.8										
GC6ZFU	3,562.1	-0.8	0.9		832.6	-0.5	0.3		11,592.2	-0.8	0.4		1,209.2	0.0	0.4		618.7	-0.5	0.3										
		-682.6	263.5			-64.9	7.1			-4,474.5	674.7			2.3	42.9			-51.7	10.3										
2RDHVB	4,461.0	0.2	0.8		963.0	0.5	2.3		15,141.0	-0.2	0.8		1,182.0	-0.1	0.8		578.7	-0.8	0.6										
		216.3	240.3			65.5	61.6			-925.7	1,203.7			-24.9	94.9			-91.7	24.1										
ZT92XC	4,854.1	0.7	0.3		914.8	0.1	0.9		20,177.5	0.7	0.6		1,203.1	0.0	1.3		658.9	-0.1	1.2										
		609.4	93.1			17.3	23.4			4,110.8	887.0			-3.8	148.8			-11.5	44.7										
V3RMFD	4,269.7	0.0	0.3		758.4	-1.0	1.3		17,172.3	0.2	0.3		1,204.7	0.0	0.1		742.3	0.7	0.9										
		25.0	91.7			-139.1	35.3			1,105.7	436.5			-2.3	10.3			71.9	33.6										
RF99BG	4,866.7	0.7	0.4		883.3	-0.1	0.8		18,000.0	0.3			1,100.0	-0.6			583.3	-0.8	0.2										
		622.0	115.5			-14.2	20.8			1,933.3	0.0			-106.9	0.0			-87.1	5.8										
K4H7TN	4,219.7	0.0	0.6		787.7	-0.8	0.9		11,876.0	-0.7	0.1		1,491.3	1.7	0.1		634.0	-0.3	0.5										
		-25.0	184.5			-109.8	24.5			-4,190.7	186.0			284.4	6.5			-36.4	19.0										
Y26GAB	3,428.2	-0.9	0.2		815.4	-0.6	0.1		8,707.0	-1.3	0.3		983.0	-1.3	0.4		540.2	-1.2	0.1										
		-816.4	61.4			-82.1	1.9			-7,359.6	405.8			-224.0	46.2			-130.2	2.7										
4TXAV7	5,351.0	1.2			1,014.0	0.8			18,677.0	0.5			1,210.0	0.0			657.0	-0.1											
		1,106.3	0.0			116.5	0.0			2,610.3	0.0			3.1	0.0			-13.4	0.0										
EJR4AR	4,080.0	-0.2	0.4		773.3	-0.9	2.6		17,860.0	0.3	0.1		1,086.7	-0.7	0.1		566.7	-1.0	0.3										
		-164.7	131.1			-124.2	70.2			1,793.3	190.8			-120.3	11.5			-103.7	11.5										
ACVHGX	5,520.7	1.4	0.6		988.4	0.6	0.7		18,702.6	0.5	0.1		1,257.9	0.3	0.4		674.7	0.0	0.5										
		1,276.0	174.2			90.9	19.3			2,635.9	196.9			51.0	41.3			4.3	19.3										
6UNU32	4,734.4	0.5	0.3		851.7	-0.3	0.3		18,867.3	0.5	0.2		1,161.7	-0.3	0.5		575.5	-0.9	0.4										
		489.7	102.6			-45.8	8.4			2,800.7	362.4			-45.2	59.8			-94.9	17.0										
GPT3XM	5,097.1	0.9	0.1		1,005.3	0.8	0.7		5,647.6	-1.9	0.0		1,403.6	1.2	1.2		684.4	0.1	0.3										
		852.4	22.1			107.8	19.6			-10,419.1	0.9			196.7	138.7			14.0	11.8										
D79YPQ	6,385.5	2.4	0.8		1,088.7	1.3	1.2		21,789.3	1.0	0.5		1,181.7	-0.2	0.2		533.0	-1.3	0.8										
		2,140.8	226.5			191.2	32.4			5,722.7	851.5			-25.2	24.3			-137.4	28.9										
XJT9V6	5,052.3	0.9	0.1		1,023.7	0.9	0.1		18,163.3	0.4	0.1		1,274.0	0.4	0.1		708.5	0.4	0.0										
		807.7	27.0			126.2	3.1			2,096.7	162.9			67.1	8.0			38.1	1.8										
HX3QCL	3,348.5	-1.0	0.2		773.8	-0.9	0.8		11,576.2	-0.8	0.0		1,159.8	-0.3	0.2		610.2	-0.6	0.4										
		-896.2	53.3			-123.7	21.8			-4,490.5	68.5			-47.2	27.3			-60.2	13.5										
HU3FFL	4,699.3	0.5	0.5		870.7	-0.2	0.7						1,274.3	0.4	0.2		848.3	1.6	0.6										
		454.7	153.2			-26.8	19.4							67.4	18.3			178.0	22.0										



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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		
N6HFCF	3,259.3	-1.1	0.6	743.0	-1.1	0.1	25,213.3	1.6	0.4	977.0	-1.4	0.5	509.0	-1.5	0.4
	-985.3	179.7		-154.5	3.6		9,146.7	565.8		-229.9	55.5		-161.4	14.9	
9KRXTW	4,291.7	0.1	0.2	816.7	-0.6	0.6	17,082.7	0.2	0.1	1,235.3	0.2	0.1	769.3	0.9	0.9
	47.0	61.5		-80.8	15.5		1,016.0	137.5		28.4	7.5		98.9	33.5	
Grand Median	4,244.7			897.5			16,066.7			1,206.9			670.4		
Median Abs Dev	557.4			81.5			2,800.7			90.1			66.1		
Avg Within Lab SD	293.4			26.9			1,550.3			112.3			38.0		
Labs Included	44			44			43			44			44		
Labs Reporting	44			44			43			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		

Mg Ammonium Acetate (SubTestCode 143)			in the Bases (1:10) Property Groups												Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
9G9ZXE	303.7	0.2	0.3	126.3	-0.2	0.6	1,329.0	0.1	1.1	237.3	-0.3	0.7	77.3	-0.5	0.9		
		9.0	5.5		-3.9	2.3		23.3	68.9		-8.0	6.0		-9.1	3.8		
BYXYDC	248.2	-1.3	0.2	113.1	-1.0	1.5	1,080.4	-0.8	0.3	251.3	0.2	0.9	98.6	0.7	0.7		
		-46.5	4.5		-17.1	6.1		-225.2	20.0		6.0	8.1		12.1	2.7		
7LQLUF	231.3	-1.7	5.7	124.8	-0.3	1.4	1,326.7	0.1	0.1	260.9	0.5	1.1	86.5	0.0	3.7		
		-63.4	120.0		-5.4	5.7		21.0	8.7		15.6	9.6		0.0	14.7		
UJH8JT	317.5	0.6	0.5	182.6	3.2	0.3	416.3	-3.2	0.0	318.0	2.4	0.6	114.6	1.6	0.2		
		22.8	9.6		52.4	1.4		-889.4	0.9		72.7	5.5		28.1	0.7		
ETFYA8	286.7	-0.2	0.3	140.3	0.6	0.2	1,319.7	0.1	0.2	268.3	0.8	0.5	104.6	1.1	0.3		
		-7.9	5.3		10.1	0.8		14.0	12.4		23.0	4.3		18.1	1.2		
WN8QDL	269.1	-0.7	0.1	128.9	-0.1	0.2	824.0	-1.7	0.3	243.0	-0.1	0.1	83.6	-0.2	0.3		
		-25.6	3.1		-1.3	0.7		-481.6	17.2		-2.3	1.2		-2.9	1.3		
QHLKDT	305.6	0.3	0.4	140.3	0.6	1.1	1,454.1	0.5	1.0	232.0	-0.4	0.4	78.9	-0.4	0.5		
		10.9	9.1		10.1	4.5		148.4	65.3		-13.4	3.6		-7.5	2.1		
NM37AU	267.7	-0.7	0.2	137.3	0.4	0.8	1,253.0	-0.2	0.5	256.3	0.4	0.7	110.0	1.4	0.9		
		-27.0	4.5		7.1	3.2		-52.7	31.8		11.0	5.7		23.5	3.5		
LU92FX	264.3	-0.8	0.2	127.7	-0.2	1.0	1,129.7	-0.6	0.7	272.0	0.9	0.4	102.0	0.9	1.0		
		-30.3	3.2		-2.5	4.0		-176.0	45.7		26.7	3.6		15.5	4.0		
WP3AEN	297.0	0.1	0.2	129.3	-0.1	1.2	1,399.7	0.3	0.4	244.0	0.0	0.8	91.7	0.3	0.8		
		2.3	5.0		-0.9	5.1		94.0	23.4		-1.3	7.0		5.2	3.1		
9JB2YB	307.8	0.4	0.2	156.2	1.6	0.2	1,293.3	0.0	0.1	245.3	0.0	0.2	115.0	1.7	0.2		
		13.2	3.7		26.0	0.8		-12.3	6.8		0.0	2.1		28.5	1.0		
PD8M9Q	299.9	0.1	0.2	141.0	0.7	0.6	1,072.2	-0.8	0.3	236.9	-0.3	0.2	86.4	0.0	0.5		
		5.3	4.9		10.8	2.3		-233.5	17.8		-8.4	1.6		0.0	2.0		
4XUXCD	311.3	0.5	0.1	165.7	2.2	0.3	1,363.3	0.2	0.2	288.3	1.4	0.7	117.0	1.8	0.7		
		16.7	1.5		35.5	1.2		57.7	10.4		43.0	5.8		30.5	2.6		
YM93AG	304.6	0.3	0.0	145.7	0.9	0.8	1,305.7	0.0	0.4	259.7	0.5	0.3	84.9	-0.1	0.8		
		9.9	0.3		15.5	3.2		0.0	24.2		14.4	2.6		-1.5	3.1		
Z9LAXF	338.0	1.2	0.1	136.3	0.4	0.3	1,993.3	2.5	2.6	238.0	-0.2	0.9	75.0	-0.7	0.4		
		43.3	3.0		6.1	1.2		687.7	168.0		-7.3	8.2		-11.5	1.7		
KG6H4X	356.7	1.7	2.0	154.0	1.5	1.9	1,470.0	0.6	1.8	311.7	2.2	3.9	100.0	0.8	3.5		
		62.0	41.5		23.8	8.0		164.3	120.0		66.3	33.5		13.5	14.0		
ZTQT9G	274.7	-0.5	0.2	111.7	-1.1	0.7	1,235.0	-0.3	0.3	207.0	-1.3	0.8	71.0	-0.9			
		-20.0	3.2		-18.5	2.9		-70.7	22.6		-38.3	6.9		-15.5	0.0		
HML4ZY	251.0	-1.2	0.5	130.3	0.0	1.8	1,289.3	-0.1	0.6	253.7	0.3	1.4	87.3	0.1	0.8		
		-43.7	11.1		0.1	7.6		-16.3	38.6		8.3	12.0		0.9	3.2		
JDB3EY	292.2	-0.1	1.1	128.4	-0.1	1.3	1,429.6	0.4	1.0	230.7	-0.5	0.8	99.1	0.7	0.5		
		-2.5	22.7		-1.8	5.2		123.9	62.5		-14.6	6.8		12.6	2.1		
N7UE8P	287.4	-0.2	0.2	130.2	0.0	0.7	1,250.2	-0.2	0.4	270.5	0.8	0.5	97.1	0.6	0.2		
		-7.3	3.9		0.0	2.8		-55.5	26.3		25.1	4.0		10.6	1.0		



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	Sample Mean			Z Score			k Score			Sample Mean			Z Score			k Score			Sample Mean			Z Score			k Score			
		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
3HG3JC	236.0	-1.6			98.0	-2.0			755.0	-2.0			179.0	-2.2			57.0	-1.7										
		-58.7	0.0			-32.2	0.0			-550.7	0.0			-66.3	0.0			-29.5	0.0									
VMZPEH	282.5	-0.3	0.5		131.4	0.1	1.2		1,312.4	0.0	0.4		280.6	1.2	0.7		110.2	1.4	1.3									
		-12.2	10.9			1.2	4.8			6.8	24.2			35.2	6.3			23.7	5.2									
E8KYJY	260.7	-0.9	0.2		143.7	0.8	0.6		1,181.3	-0.4	0.5		268.7	0.8	0.8		93.7	0.4	0.4									
		-34.0	3.2			13.5	2.3			-124.3	31.5			23.3	6.8			7.3	1.8									
2ZLAYD	283.3	-0.3	0.7		117.3	-0.8	2.7		1,200.0	-0.4			210.0	-1.2	1.2		86.7	0.0	1.7									
		-11.3	15.3			-12.9	11.0			-105.7	0.0			-35.3	10.0			0.2	7.0									
9GTK67	246.4	-1.3	0.3		125.1	-0.3	0.3		1,084.8	-0.8	0.1		219.0	-0.9	0.6		83.1	-0.2	1.2									
		-48.3	7.3			-5.1	1.2			-220.9	5.5			-26.4	5.3			-3.3	5.0									
Q2DTBN	252.7	-1.1	0.2		123.7	-0.4	0.1		1,027.0	-1.0	0.1		250.0	0.2	0.3		94.5	0.5	0.2									
		-42.0	3.2			-6.5	0.6			-278.7	3.6			4.7	2.6			8.0	0.9									
GC6ZFU	263.0	-0.9	0.1		122.3	-0.5	0.6		1,099.3	-0.7	0.8		264.9	0.6	1.5		98.2	0.7	0.4									
		-31.7	2.0			-7.9	2.3			-206.4	51.3			19.6	13.4			11.8	1.7									
2RDHVB	312.7	0.5	0.7		137.0	0.4	1.7		1,185.0	-0.4	0.1		229.3	-0.5	1.9		72.3	-0.8	1.0									
		18.0	14.4			6.8	7.0			-120.7	6.1			-16.0	16.4			-14.1	4.2									
ZT92XC	337.0	1.1	0.2		141.4	0.7	1.3		1,703.2	1.4	4.9		253.1	0.3	0.8		85.0	-0.1	0.5									
		42.3	3.8			11.2	5.2			397.5	319.6			7.8	7.0			-1.5	2.0									
V3RMFD	287.0	-0.2	0.3		120.7	-0.6	1.1		1,369.3	0.2	0.5		264.2	0.6	0.3		98.8	0.7	0.8									
		-7.7	6.1			-9.5	4.6			63.7	34.2			18.9	2.4			12.3	3.3									
RF99BG	283.3	-0.3	0.3		130.0	0.0			1,200.0	-0.4			220.0	-0.8			74.7	-0.7	0.1									
		-11.3	5.8			-0.2	0.0			-105.7	0.0			-25.3	0.0			-11.8	0.6									
K4H7TN	275.0	-0.5	0.0		126.0	-0.3	0.7		1,066.0	-0.9	0.4		274.0	0.9	0.5		99.0	0.7										
		-19.7	1.0			-4.2	3.0			-239.7	24.0			28.7	4.0			12.5	0.0									
Y26GAB	329.7	0.9	0.4		114.8	-0.9	1.0		1,036.4	-1.0	0.3		219.9	-0.8	2.5		61.6	-1.5	0.1									
		35.0	8.9			-15.4	4.2			-269.2	17.6			-25.4	21.8			-24.9	0.3									
4TXAV7	349.0	1.5			137.0	0.4			1,652.0	1.2			238.0	-0.2			70.0	-1.0										
		54.3	0.0			6.8	0.0			346.3	0.0			-7.3	0.0			-16.5	0.0									
EJR4AR	302.7	0.2	0.6		125.0	-0.3	1.7		1,392.3	0.3	0.2		242.0	-0.1			85.6	-0.1	0.4									
		8.0	12.5			-5.2	6.9			86.7	13.5			-3.3	0.0			-0.9	1.6									
ACVHGX	349.4	1.5	0.5		146.0	1.0	0.4		1,470.7	0.6	0.4		258.4	0.4	0.5		87.7	0.1	0.3									
		54.8	9.7			15.8	1.5			165.0	24.8			13.1	4.2			1.2	1.4									
6UNU32	297.1	0.1	0.3		130.3	0.0	0.1		1,566.3	0.9	0.3		238.3	-0.2	0.7		76.2	-0.6	0.7									
		2.4	6.6			0.1	0.5			260.7	21.7			-7.1	5.7			-10.3	2.8									
GPT3XM	319.8	0.7	0.1		142.1	0.7	0.3		1,595.2	1.0	0.6		269.4	0.8	0.4		83.5	-0.2	0.4									
		25.2	2.1			11.9	1.2			289.5	40.7			24.1	3.1			-3.0	1.5									
D79YPQ	365.0	1.9	0.3		348.2	13.3	1.6		1,436.0	0.5	0.7		244.9	0.0	0.8		65.7	-1.2	0.6									
		70.4	6.7			218.0	6.5			130.3	47.9			-0.4	7.2			-20.8	2.4									
XJT9V6	325.1	0.8	0.1		134.5	0.3	0.4		1,379.3	0.3	0.3		240.7	-0.2	0.2		82.6	-0.2	0.2									
		30.5	1.2			4.3	1.5			73.7	18.1			-4.6	1.6			-3.9	0.9									
HX3QCL	256.8	-1.0	0.2		122.4	-0.5	0.9		1,208.5	-0.4	0.2		263.6	0.6	0.9		87.6	0.1	0.7									
		-37.8	3.9			-7.8	3.9			-97.1	14.2			18.3	7.4			1.1	2.8									
HU3FFL	303.9	0.3	0.3		134.0	0.2	1.2		1,356.7	0.2	0.3		261.3	0.5	0.9		110.7	1.4	0.7									
		9.2	5.9			3.8	5.0			51.0	21.5			15.9	7.5			24.2	2.7									



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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		
N6HFCF	294.7	0.0	1.0	102.5	-1.7	0.9	1,568.7	0.9	0.8	192.3	-1.7	0.2	61.5	-1.5	0.4
		0.0	20.6		-27.7	3.8		263.0	51.5		-53.0	1.5		-25.0	1.4
9KRXTW	301.7	0.2	0.3	113.7	-1.0	0.6	1,472.7	0.6	1.0	242.7	-0.1	0.2	85.7	0.0	0.4
		7.0	6.5		-16.5	2.5		167.0	64.5		-2.7	1.5		-0.8	1.5
Grand Median		294.7			130.2			1,305.7			245.3			86.5	
Median Abs Dev		20.0			7.8			124.3			15.6			11.5	
Avg Within Lab SD		20.9			4.1			65.2			8.7			4.0	
Labs Included		43			43			43			43			43	
Labs Reporting		43			43			43			43			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															
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			Data units: mg/kg
9G9ZXE	52.3	0.2	0.5	11.7	0.0	0.7	834.7	0.8	0.6	36.7	-0.2	0.2	13.0	0.0	1.0	
		2.9	1.5		-0.1	1.2		118.7	19.5		-2.0	0.6		0.0	2.6	
BYXYDC	40.0	-0.7	0.7	8.7	-0.5	0.2	568.2	-0.9	0.3	35.9	-0.2	0.5	14.6	0.2	0.9	
		-9.5	1.9		-3.1	0.4		-147.8	10.5		-2.7	1.4		1.6	2.3	
7LQLUF	86.7	2.9	2.1	47.8	5.6	3.8	751.9	0.2	0.6	89.5	4.3	3.4	51.9	5.0	3.5	
		37.2	5.8		36.0	6.6		35.9	19.1		50.9	9.8		38.9	9.1	
UJH8JT	86.6	2.9	1.0	25.8	2.2	0.5	556.1	-1.0	0.0	53.7	1.3	0.6	26.7	1.8	0.8	
		37.2	2.8		14.0	0.9		-159.9	0.3		15.0	1.7		13.7	2.0	
ETFYA8	49.6	0.0	0.3	14.6	0.4	0.3	747.4	0.2	0.6	40.2	0.1	0.3	16.4	0.4	0.2	
		0.1	0.7		2.8	0.5		31.4	21.4		1.6	0.9		3.4	0.6	
WN8QDL	58.5	0.7	0.3	13.9	0.3	0.1	666.8	-0.3	0.5	63.8	2.1	0.2	12.5	-0.1	0.1	
		9.1	0.9		2.1	0.2		-49.2	15.4		25.2	0.7		-0.5	0.3	
QHLKDT	49.4	0.0	0.6	8.0	-0.6	0.2	799.5	0.5	0.7	32.4	-0.5	0.6	8.2	-0.6	0.4	
		0.0	1.6		-3.7	0.4		83.5	22.7		-6.2	1.8		-4.8	0.9	
NM37AU	43.3	-0.5	1.1	12.3	0.1	1.2	687.0	-0.2	0.2	34.7	-0.3	0.2	12.0	-0.1	0.8	
		-6.1	3.1		0.5	2.1		-29.0	6.6		-4.0	0.6		-1.0	2.0	
LU92FX	45.7	-0.3	1.3	11.0	-0.1	0.6	716.0	0.0	0.9	47.7	0.8	0.5	15.7	0.3	2.1	
		-3.8	3.5		-0.8	1.0		0.0	29.6		9.0	1.5		2.7	5.5	
WP3AEN	17.3	-2.5	0.2	7.7	-0.6	0.3	155.0	-3.6	0.4	15.7	-2.0	0.2	11.7	-0.2	0.2	
		-32.1	0.6		-4.1	0.6		-561.0	12.5		-23.0	0.6		-1.3	0.6	
9JB2YB	33.0	-1.3	1.0	16.2	0.7	0.9	366.2	-2.2	0.1	28.1	-0.9	0.2	18.0	0.7	0.5	
		-16.4	2.7		4.4	1.5		-349.8	4.3		-10.6	0.7		5.0	1.4	
PD8M9Q	59.2	0.8	0.8	19.2	1.2	1.3	638.4	-0.5	0.5	42.6	0.3	1.0	16.3	0.4	0.6	
		9.7	2.3		7.4	2.3		-77.6	15.0		4.0	2.9		3.3	1.7	
4XUXCD	53.0	0.3	0.9	19.7	1.2	0.3	761.7	0.3	0.3	45.7	0.6	0.2	20.0	0.9		
		3.6	2.6		7.9	0.6		45.7	10.4		7.0	0.6		7.0	0.0	
Z9LAXF	55.3	0.5	1.0	16.3	0.7	1.8	975.0	1.7	2.5	41.0	0.2	2.5	16.0	0.4	1.1	
		5.9	2.9		4.5	3.1		259.0	82.6		2.3	7.2		3.0	3.0	
KG6H4X	48.6	-0.1	3.0	9.7	-0.3	1.4	930.0	1.4	3.3	44.0	0.5	1.0	12.3	-0.1	1.0	
		-0.9	8.4		-2.1	2.5		214.0	110.0		5.4	3.0		-0.7	2.5	
ZTQT9G	48.3	-0.1	1.0	10.3	-0.2	0.9	783.3	0.4	2.3	33.3	-0.5	1.4	11.7	-0.2	0.8	
		-1.1	2.9		-1.5	1.5		67.3	75.4		-5.3	4.0		-1.3	2.1	
HML4ZY	49.7	0.0	1.1	23.3	1.8	0.9	757.3	0.3	0.8	48.3	0.8	0.5	20.7	1.0	0.4	
		0.2	3.1		11.5	1.5		41.3	26.6		9.7	1.5		7.7	1.2	
3HG3JC	33.0	-1.3		8.0	-0.6		384.0	-2.1		23.0	-1.3		7.0	-0.8		
		-16.4	0.0		-3.8	0.0		-332.0	0.0		-15.7	0.0		-6.0	0.0	
E8KYJY	45.6	-0.3	0.2	14.3	0.4	0.4	706.7	-0.1	0.1	38.9	0.0	0.2	14.3	0.2	0.5	
		-3.8	0.6		2.5	0.7		-9.3	3.8		0.2	0.6		1.3	1.3	
2ZLAYD	52.3	0.2	0.2	15.3	0.6	0.9	743.3	0.2	0.2	39.3	0.1	1.0	13.0	0.0	0.7	
		2.9	0.6		3.5	1.5		27.3	5.8		0.7	2.9		0.0	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
9GTK67	43.7	-0.4	0.1	12.7	0.1	0.4	656.3	-0.4	0.2	34.3	-0.4	0.4	13.9	0.1	0.4
		-5.7	0.4		0.9	0.6		-59.7	6.1		-4.4	1.3		0.9	1.0
GC6ZFU	41.8	-0.6	0.2	11.4	-0.1	0.4	589.7	-0.8	1.1	39.7	0.1	0.8	14.3	0.2	0.5
		-7.6	0.7		-0.4	0.6		-126.3	36.7		1.0	2.3		1.3	1.2
2RDHVB	236.3	14.5	4.0	195.0	28.6	1.5	759.3	0.3	0.6	216.7	15.1	1.9	194.7	23.5	2.1
		186.9	11.1		183.2	2.6		43.3	21.5		178.0	5.5		181.7	5.5
V3RMFD	44.3	-0.4	0.7	9.8	-0.3	0.6	774.8	0.4	0.5	39.0	0.0	0.9	11.3	-0.2	0.6
		-5.1	2.1		-2.0	1.0		58.8	16.5		0.3	2.6		-1.7	1.6
RF99BG	49.7	0.0	0.9	15.7	0.6	0.7	703.3	-0.1	0.2	35.3	-0.3	0.5	13.7	0.1	0.2
		0.2	2.5		3.9	1.2		-12.7	5.8		-3.3	1.5		0.7	0.6
Y26GAB	46.8	-0.2	1.2	10.2	-0.2	0.4	564.1	-1.0	0.1	36.2	-0.2	1.7	10.0	-0.4	0.0
		-2.6	3.5		-1.5	0.7		-151.9	4.8		-2.5	4.9		-3.0	0.0
EJR4AR	50.0	0.0	0.6	8.4	-0.5	0.8	737.7	0.1	0.3	33.7	-0.4	0.5	6.9	-0.8	0.0
		0.6	1.7		-3.4	1.3		21.7	11.0		-4.9	1.3		-6.1	0.0
ACVHGX	47.3	-0.2	0.3	10.6	-0.2	0.4	688.1	-0.2	0.1	32.2	-0.6	0.5	11.0	-0.3	0.6
		-2.1	0.9		-1.2	0.7		-27.9	3.6		-6.5	1.5		-2.0	1.5
6UNU32	50.0	0.0	0.4	13.9	0.3	0.2	836.9	0.8	0.5	38.7	0.0	0.7	12.5	-0.1	0.7
		0.5	1.0		2.1	0.4		120.9	15.5		0.0	2.0		-0.5	1.8
GPT3XM	9.4	-3.1	0.3	11.8	0.0	1.3	734.5	0.1	0.5	59.8	1.8	1.8	50.3	4.8	3.0
		-40.1	0.8		0.0	2.2		18.5	15.2		21.2	5.4		37.3	8.0
D79YPQ	52.9	0.3	0.6	8.1	-0.6	0.2	693.9	-0.1	1.1	30.0	-0.7	0.5	8.4	-0.6	0.1
		3.4	1.6		-3.7	0.4		-22.1	35.4		-8.6	1.5		-4.6	0.4
XJT9V6	47.6	-0.1	0.4	8.7	-0.5	1.4	752.3	0.2	0.3	33.8	-0.4	0.3	9.7	-0.4	0.4
		-1.8	1.1		-3.1	2.4		36.3	10.3		-4.8	0.9		-3.3	1.1
HX3QCL	38.3	-0.9	0.1	10.2	-0.3	0.4	695.1	-0.1	0.3	39.0	0.0	0.7	11.9	-0.1	0.3
		-11.1	0.4		-1.6	0.7		-20.9	10.1		0.4	2.1		-1.1	0.7
HU3FFL	61.4	0.9	0.7	17.7	0.9	0.8	919.9	1.3	0.5	45.5	0.6	0.3	19.9	0.9	0.5
		11.9	2.0		6.0	1.4		203.9	15.8		6.9	0.8		6.9	1.3
N6HFCF	50.4	0.1	1.8	9.0	-0.4	0.8	848.3	0.8	2.2	26.9	-1.0	0.5	6.7	-0.8	0.2
		0.9	5.1		-2.8	1.3		132.3	72.4		-11.8	1.6		-6.3	0.5
9KRXTW	61.0	0.9	1.6	14.0	0.3	0.6	688.3	-0.2	0.6	37.3	-0.1	0.7	9.3	-0.5	0.2
		11.6	4.4		2.2	1.0		-27.7	20.5		-1.3	2.1		-3.7	0.6
Grand Median		49.4			11.8			716.0			38.7			13.0	
Median Abs Dev		3.8			2.8			49.2			4.9			3.0	
Avg Within Lab SD		2.8			1.7			33.2			2.9			2.6	
Labs Included		35			35			35			35			35	
Labs Reporting		35			35			35			35			35	



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
VMZPEH	378.6	1.0	124.2	1.0	334.1	1.0	92.9	1.0	102.2	1.0	
		0.5		0.8		5.1		1.7		1.6	
Grand Median		378.6		124.2		334.1		92.9		102.2	
Median Abs Dev											
Avg Within Lab SD		0.5		0.8		5.1		1.7		1.6	
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		

K- Bicarb. (SubTestCode 146)	in the Bases (1:10) Property Groups										Data units: mg/kg				
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610										
2V9A2L	589.7	0.5	131.7	0.4	354.7	0.0	105.7	1.6	99.0	1.4					
		11.0		3.5		0.6		11.6		9.6					
7LQLUF	597.0	0.0	135.7	0.5	360.7	0.8	111.0	0.2	113.3	0.7					
		1.0		5.0		11.5		1.7		5.0					
PD8M9Q	513.0	0.6	103.3	1.0	262.4	0.8	79.8	0.6	70.1	0.3					
		15.1		9.8		11.4		4.5		2.0					
EJR4AR	1,099.3	1.8	243.0	1.6	672.3	1.6	170.3	0.9	178.3	1.2					
		44.6		15.1		22.1		6.7		8.1					
Grand Median	593.3		133.7		357.7		108.3		106.2						
Median Abs Dev															
Avg Within Lab SD	24.2		9.5		13.7		7.1		6.8						
Labs Included	4		4		4		4		4						
Labs Reporting	4		4		4		4		4						



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
9WKG82	768.3	0.3	126.0	0.4	556.0	0.2	89.3	0.7	80.7	0.8	
		11.0		2.0		17.3		3.1		2.1	
		1.4		1.4		1.4		1.2		1.2	
EJR4AR	505.7	49.3	123.0	6.9	227.7	109.3	90.8	5.0	91.2	3.3	
Grand Median	637.0		124.5		391.8		90.1		85.9		
Median Abs Dev											
Avg Within Lab SD	35.7		5.1		78.3		4.2		2.7		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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										Data units: mg/kg
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610				
9WKG82	6,235.0	1.0	841.0	1.0	31,441.3	1.0	1,117.3	1.0	571.3	1.0	
	186.3		40.9		669.9		102.2		28.6		
Grand Median	6,235.0		841.0		31,441.3		1,117.3		571.3		
Median Abs Dev											
Avg Within Lab SD	186.3		40.9		669.9		102.2		28.6		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610				
2V9A2L		0.27	1.25			2.80	1.71	0.67	0.39		
			0.06				0.75		0.06		
ETFYA8	0.46	1.00	0.60	0.66	0.21	1.00	2.37	0.28	1.41	1.36	
		0.06	0.03		0.02		0.12		0.20		
XD4VUG						2.95	0.09		0.04		
Grand Median	0.46		0.43		0.21		2.80		1.04		
Median Abs Dev											
Avg Within Lab SD	0.06		0.05		0.02		0.44		0.15		
Labs Included	1		2		1		3		2		
Labs Reporting	1		2		1		3		2		



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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						
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610						SRSSRS1610						
YM93AG	124.9	0.6	26.4	0.2	31.9	0.1	66.1	0.4	60.7	0.2							
		0.8		0.2		0.1		1.0		0.2							
XD4VUG	115.5	0.8	22.6	1.0	33.0	0.2	48.8	0.1	43.4	0.2							
		1.1		0.8		0.4		0.3		0.2							
MFPVJN	133.1	1.5	24.8	1.2	23.4	2.0	60.8	0.8	53.1	1.8							
		2.1		1.0		3.0		2.1		1.8							
T8DRYH	113.3	0.9	23.2	1.3	21.5	0.3	58.8	1.8	55.3	0.8							
		1.3		1.0		0.5		4.9		0.8							
Grand Median	120.2		24.0		27.7		59.8		54.2								
Median Abs Dev																	
Avg Within Lab SD	1.4		0.8		1.5		2.7		1.0								
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
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
YM93AG	344.6	0.2	106.5	0.4	144.5	0.1	73.2	0.1	83.3	0.0	
		1.2		0.9		0.5		0.1		0.0	
XD4VUG	343.0	0.5	95.5	0.8	146.4	0.7	67.9	0.2	76.5	0.6	
		3.6		1.9		2.5		0.5		1.4	
MFPVJN	337.5	1.8	87.6	1.7	149.1	1.6	64.7	1.8	74.8	1.7	
		13.5		4.1		5.9		4.3		4.2	
T8DRYH	331.5	0.7	95.7	0.4	146.2	1.0	67.0	0.9	84.3	0.9	
		5.7		1.0		3.8		2.2		2.3	
Grand Median	340.3		95.6		146.3		67.5		79.9		
Median Abs Dev											
Avg Within Lab SD	7.6		2.4		3.7		2.4		2.5		
Labs Included	4		4		4		4		4		
Labs Reporting	4		4		4		4		4		



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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				
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610										
YM93AG	4,007.1	0.0	1,006.8	0.1	4,410.5	0.7	1,187.3	0.0	793.3	0.4					
		2.6		2.6		28.7		1.5		9.9					
XD4VUG	3,868.1	0.2	879.0	1.0	4,228.0	0.3	971.3	0.2	695.4	0.5					
		19.8		30.6		14.2		8.9		10.8					
MFPVJN	4,029.8	1.8	868.2	1.3	5,212.4	1.5	1,121.8	1.8	793.2	1.9					
		165.7		39.5		62.5		69.0		42.7					
T8DRYH	3,816.7	0.8	847.8	1.2	4,219.8	1.0	1,179.0	0.9	777.5	0.3					
		71.2		37.3		40.5		33.6		6.1					
Grand Median	3,937.6		873.6		4,319.3		1,150.4		785.3						
Median Abs Dev															
Avg Within Lab SD	90.7		31.2		40.5		38.6		22.8						
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			
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610									
YM93AG	257.4	0.1	136.2	0.2	844.2	0.1	216.7	0.4	376.5	2.0				
		0.6		0.7		1.8		2.1		488.1				
XD4VUG	301.2	0.7	148.3	1.2	1,543.6	1.6	234.1	0.4	93.2	0.0				
		2.8		5.0		45.5		2.4		2.1				
MFPVJN	254.7	1.8	117.4	1.4	952.3	1.2	200.3	1.9	91.4	0.0				
		7.8		5.8		33.5		11.1		4.6				
T8DRYH	236.0	0.5	120.5	0.7	738.0	0.4	206.0	0.5	98.2	0.0				
		2.2		3.0		12.3		2.8		4.0				
Grand Median	256.0		128.3		898.2		211.3		95.7					
Median Abs Dev														
Avg Within Lab SD	4.3		4.1		28.9		6.0		244.1					
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, Mn (SubTestCode 154)	in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg		
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610						SRSSRS1610		
YM93AG	12.88	0.18	10.89	0.43	1.03	0.17	44.58	0.60	6.70	0.28			0.06
		0.09		0.19		0.01		0.82		0.22			0.05
XD4VUG	12.75	0.48	7.84	0.99	1.45	0.67	31.35	0.30	3.84	1.97			0.43
		0.24		1.03		0.04		1.74		2.38			0.76
MFPVJN	16.51	0.93	7.52	0.45	1.85	0.11	34.15	2.38	6.70	0.43			0.76
		0.57		1.33		0.11		0.76		1.04			0.00
T8DRYH	11.17	0.29	6.33	0.58	1.00	0.00	35.67	1.04	8.00	0.00			0.00
Grand Median	12.8		7.68		1.24		34.9		6.70				6.70
Median Abs Dev													
Avg Within Lab SD	0.5		0.43		0.06		1.4		0.22				0.22
Labs Included	4		4		4		4		4				4
Labs Reporting	4		4		4		4		4				4



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

Mehlich-1, Zn (SubTestCode 155)	in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
YM93AG	2.07	0.25	0.68	0.48	0.02	1.41	0.99	0.42	2.88	0.25	
		0.01		0.01		0.00		0.02		0.01	
XD4VUG	2.18	0.59	0.54	0.61			0.76	0.14	2.28	0.25	
		0.03		0.01				0.01		0.01	
MFPVJN	2.52	1.79	0.58	1.84	0.03		0.92	1.37	2.43	1.83	
		0.08		0.04		0.00		0.05		0.07	
T8DRYH	1.62	0.62	0.50				0.80	1.39	2.52	0.73	
		0.03		0.00				0.05		0.03	
Grand Median		2.13		0.56		0.022		0.86		2.47	
Median Abs Dev											
Avg Within Lab SD		0.05		0.02		0.002		0.04		0.04	
Labs Included		4		4		2		4		4	
Labs Reporting		4		4		2		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	
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
BYXYDC	0.78	-0.65	1.58	0.75	-0.86	0.95	0.85	-0.71	0.87	0.98	-0.59	0.59	0.97	-0.64	0.86	
		-0.23	0.02		-0.37	0.03		-0.26	0.01		-0.25	0.01		-0.34	0.01	
9JB2YB	1.79	2.23	0.93	2.07	2.22	1.85	1.90	2.17	0.63	2.28	2.53	1.14	2.31	1.88	2.29	
		0.78	0.01		0.95	0.05		0.79	0.01		1.05	0.01		1.00	0.03	
YM93AG	1.95	2.70	1.61	2.04	2.16	1.52	1.96	2.34	1.28	2.38	2.78	1.19	2.61	2.44	1.04	
		0.94	0.03		0.92	0.04		0.85	0.02		1.15	0.02		1.30	0.02	
9P39J6	0.96	-0.14	0.00	1.02	-0.23	0.00	0.98	-0.37	0.00	1.20	-0.07	0.00	1.31	0.00	0.00	
		-0.05	0.00		-0.10	0.00		-0.13	0.00		-0.03	0.00		0.00	0.00	
KJBZ3T	1.01	0.00	1.11	1.07	-0.11	0.44	1.15	0.09	0.97	1.23	-0.01	0.90	1.30	-0.02	1.18	
		0.00	0.02		-0.05	0.01		0.03	0.01		0.00	0.01		-0.01	0.02	
3HG3JC	1.16	0.43		1.29	0.40		1.32	0.57		1.38	0.36		1.57	0.49		
		0.15	0.00		0.17	0.00		0.21	0.00		0.15	0.00		0.26	0.00	
ZNYNFD	1.18	0.49	0.00	1.18	0.14	0.00	1.18	0.18	0.00	1.18	-0.12	0.00	1.18	-0.24	0.00	
		0.17	0.00		0.06	0.00		0.07	0.00		-0.05	0.00		-0.13	0.00	
E8KYJY	1.07	0.16	0.59	1.18	0.13	0.21	1.11	0.00	0.93	1.29	0.15	0.24	1.35	0.07	0.75	
		0.06	0.01		0.06	0.01		0.00	0.01		0.06	0.00		0.04	0.01	
GC6ZFU	0.81	-0.57	0.37	0.83	-0.68	0.82	1.00	-0.32	0.64	1.06	-0.41	1.19	1.08	-0.42	1.68	
		-0.20	0.01		-0.29	0.02		-0.12	0.01		-0.17	0.02		-0.23	0.02	
YNEK8D	1.66	1.86	1.11	1.93	1.89	2.29	1.88	2.10	2.56	2.01	1.87	2.37	2.50	2.22	0.79	
		0.65	0.02		0.81	0.06		0.76	0.03		0.78	0.03		1.19	0.01	
BX698W	1.09	0.22	0.81	1.08	-0.10	0.40	1.12	0.01	1.32	1.23	0.00	1.04	1.29	-0.04	1.08	
		0.08	0.01		-0.04	0.01		0.00	0.02		0.00	0.01		-0.02	0.02	
4QUEC3	1.01	-0.01	0.37	1.15	0.07	0.38	1.05	-0.17	0.00	1.23	0.01	0.45	1.32	0.01	0.39	
		0.00	0.01		0.03	0.01		-0.06	0.00		0.00	0.01		0.01	0.01	
MZTJBK	1.01	0.00	1.69	1.12	0.00	1.00	1.09	-0.05	0.97	1.26	0.07	1.55	1.54	0.43	0.68	
		0.00	0.03		0.00	0.03		-0.02	0.01		0.03	0.02		0.23	0.01	
6UNU32	1.00	-0.02	0.00	1.00	-0.28	0.00	1.00	-0.30	0.00	1.00	-0.55	0.00	1.00	-0.58	0.00	
		-0.01	0.00		-0.12	0.00		-0.11	0.00		-0.23	0.00		-0.31	0.00	
HX3QCL	0.78	-0.65	1.58	0.75	-0.86	0.95	0.85	-0.71	0.87	0.98	-0.59	0.59	0.97	-0.64	0.86	
		-0.23	0.02		-0.37	0.03		-0.26	0.01		-0.25	0.01		-0.34	0.01	
Grand Median		1.01		1.12			1.11			1.23			1.31			
Median Abs Dev		0.15		0.12			0.12			0.15			0.23			
Avg Within Lab SD		0.02		0.03			0.01			0.01			0.01			
Labs Included		15		15			15			15			15			
Labs Reporting		15		15			15			15			15			



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

Mehlich-3, P Colorimetric (SubTestCode 157)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
ETFYA8	35.7	0.5	0.5	59.8	0.7	0.2	150.5	0.5	0.4	13.8	-0.4	0.4	130.6	0.9	0.4	
		2.1	0.4		5.0	0.3		7.2	1.3		-0.7	0.2		17.0	1.1	
9JB2YB	37.7	1.0	0.6	49.7	-0.8	0.4	160.3	1.2	0.7	16.3	0.9	1.1	148.0	1.7	1.0	
		4.1	0.6		-5.2	0.6		17.1	2.1		1.8	0.6		34.3	2.6	
HML4ZY	34.7	0.2	0.6	61.0	0.9		140.7	-0.2	1.6	15.3	0.4	1.1	115.3	0.1	0.6	
		1.1	0.6		6.2	0.0		-2.6	4.5		0.8	0.6		1.7	1.5	
ZNYNFD	32.0	-0.4		48.3	-1.0	0.4	143.3	0.0	2.0	15.0	0.3		100.0	-0.7		
		-1.6	0.0		-6.5	0.6		0.1	5.8		0.5	0.0		-13.7	0.0	
XV4JLF	29.0	-1.1		54.0	-0.1		112.0	-2.3		15.0	0.3		94.0	-1.0		
		-4.6	0.0		-0.8	0.0		-31.3	0.0		0.5	0.0		-19.7	0.0	
3B3GB8	32.8	-0.2	0.6	54.3	-0.1	0.9	145.0	0.1		12.7	-0.9	0.5	98.3	-0.8	2.4	
		-0.8	0.6		-0.5	1.2		1.8	0.0		-1.8	0.3		-15.3	6.4	
6J7BH6	33.2	-0.1	0.3	55.3	0.1	0.2	143.2	0.0	0.3	13.5	-0.5	0.1	108.5	-0.3	0.5	
		-0.4	0.3		0.5	0.3		-0.1	0.8		-1.0	0.1		-5.2	1.3	
V3RMFD	34.0	0.1	2.2	53.7	-0.2	0.9	141.0	-0.2	0.4	13.0	-0.8	1.9	122.3	0.4	0.8	
		0.4	2.0		-1.2	1.2		-2.3	1.0		-1.5	1.0		8.7	2.1	
DTNJLQ	33.0	-0.1		60.0	0.8		138.0	-0.4		14.0	-0.3		112.0	-0.1		
		-0.6	0.0		5.2	0.0		-5.3	0.0		-0.5	0.0		-1.7	0.0	
9KRXTW	46.7	3.1	1.9	68.9	2.1	2.8	169.3	1.9	1.6	18.7	2.1	1.9	129.7	0.8	1.4	
		13.1	1.7		14.1	3.8		26.1	4.5		4.2	1.0		16.0	3.8	
Grand Median		33.6		54.8			143.3			14.5			113.7			
Median Abs Dev		1.3		5.1			3.9			0.9			14.5			
Avg Within Lab SD		0.9		1.3			2.9			0.5			2.7			
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		

Mehlich-3, P ICP-AES (SubTestCode 158)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	31.3	-1.0	0.5	66.2	0.2	0.3	129.3	-0.5	0.4	12.3	-0.7	0.3	150.5	0.1		
		-9.2	0.8		2.0	0.6		-12.8	1.3		-3.0	0.3		3.3	0.0	
BYXYDC	40.1	0.0	0.2	65.1	0.1	0.7	150.2	0.3	0.6	14.7	-0.1	0.9	155.0	0.3	0.5	
		-0.4	0.2		1.0	1.4		8.2	2.0		-0.5	0.8		7.8	1.7	
UJH8JT	49.1	0.9	0.4	77.4	1.5	0.3	189.2	2.0	0.3	18.5	0.8	0.2	177.0	1.1	0.3	
		8.5	0.6		13.3	0.5		47.2	1.2		3.3	0.2		29.8	1.0	
WPJ78M	199.3	17.1	4.7	290.7	25.4	8.3	637.3	20.7	2.3	72.0	14.0	5.9	699.3	20.8	1.2	
		158.8	7.0		226.5	16.7		495.3	8.1		56.8	5.3		552.1	4.2	
NM37AU	42.2	0.2	0.9	68.1	0.4	1.2	148.0	0.3	0.4	17.4	0.5	0.7	151.6	0.2	0.1	
		1.6	1.3		3.9	2.3		6.0	1.4		2.2	0.6		4.4	0.4	
PDR4NU	50.0	1.0		71.7	0.8	1.4	86.7	-2.3	0.8	20.0	1.2		153.3	0.2	0.8	
		9.4	0.0		7.5	2.9		-55.3	2.9		4.8	0.0		6.1	2.9	
WP3AEN	31.6	-1.0	0.6	52.5	-1.3	0.7	113.3	-1.2	1.1	18.7	0.8	1.3	106.3	-1.5	1.2	
		-9.0	0.9		-11.6	1.5		-28.7	3.8		3.5	1.2		-40.9	4.0	
JMZPA2	36.5	-0.4	1.2	62.8	-0.1	1.6	136.1	-0.2	0.7	13.3	-0.5	1.3	139.2	-0.3	0.8	
		-4.0	1.7		-1.3	3.3		-5.9	2.5		-2.0	1.2		-8.0	2.7	
YM93AG	37.2	-0.4	0.0	56.6	-0.8	0.1	130.8	-0.5	0.3	15.2	0.0	0.4	147.9	0.0	0.1	
		-3.4	0.1		-7.5	0.3		-11.2	1.2		0.0	0.3		0.7	0.3	
JDB3EY	38.5	-0.2	1.0	63.9	0.0	0.9	143.1	0.0	0.3	14.5	-0.2	0.5	152.2	0.2	0.9	
		-2.1	1.6		-0.2	1.8		1.1	1.2		-0.7	0.5		5.0	3.0	
9P39J6	37.4	-0.3	0.3	57.2	-0.8	0.5	131.1	-0.5	0.7	15.5	0.1	0.6	147.2	0.0	0.4	
		-3.2	0.5		-7.0	0.9		-10.9	2.5		0.3	0.6		0.0	1.5	
KJBZ3T	61.3	2.2	3.1	78.7	1.6	0.8	187.0	1.9	1.3	22.3	1.8	1.3	161.0	0.5	0.9	
		20.8	4.6		14.5	1.5		45.0	4.6		7.1	1.2		13.8	3.0	
3HG3JC	36.0	-0.5		51.0	-1.5		122.0	-0.8		11.0	-1.0		64.0	-3.1		
		-4.6	0.0		-13.1	0.0		-20.0	0.0		-4.2	0.0		-83.2	0.0	
VMZPEH	43.4	0.3	0.4	63.3	-0.1	0.3	146.1	0.2	1.1	16.7	0.4	1.0	148.3	0.0	2.3	
		2.8	0.6		-0.9	0.5		4.1	4.0		1.5	0.9		1.1	7.9	
E8KYJY	40.6	0.0	1.3	65.7	0.2	0.5	135.0	-0.3	1.3	14.3	-0.2	0.2	133.3	-0.5	0.7	
		0.0	2.0		1.5	1.0		-7.0	4.6		-0.9	0.2		-13.9	2.5	
T67A2M	45.0	0.5	0.2	70.1	0.7	0.6	147.4	0.2	0.9	25.7	2.6	0.0	161.6	0.5	0.3	
		4.4	0.3		6.0	1.2		5.4	3.2		10.5	0.0		14.4	1.0	
Q2DTBN	41.9	0.1	0.9	47.2	-1.9	0.2	145.7	0.2	0.3	14.4	-0.2	0.6	137.0	-0.4	0.8	
		1.3	1.3		-16.9	0.4		3.7	1.2		-0.9	0.5		-10.2	2.6	
WWZ2MH	42.4	0.2	0.0	69.2	0.6	0.0	142.0	0.0		18.0	0.7		148.0	0.0		
		1.9	0.0		5.1	0.0		0.0	0.0		2.8	0.0		0.8	0.0	
GC6ZFU	39.1	-0.2	0.4	61.1	-0.3	1.2	141.8	0.0	0.2	13.5	-0.4	1.3	147.2	0.0	0.4	
		-1.4	0.5		-3.0	2.5		-0.2	0.8		-1.7	1.2		0.0	1.4	
2RDHVB	40.7	0.0	0.8	61.7	-0.3	1.6	132.7	-0.4	0.6	14.3	-0.2	0.6	124.7	-0.8	1.4	
		0.1	1.2		-2.5	3.2		-9.3	2.1		-0.9	0.6		-22.5	4.9	



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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
YNEK8D	53.3	1.4	0.8	70.3	0.7	0.7	160.6	0.8	0.7	15.9	0.2	1.7	131.9	-0.6	0.7
		12.7	1.2		6.1	1.5		18.6	2.6		0.7	1.5		-15.3	2.3
PZ7RCJ	35.9	-0.5	0.1	65.3	0.1	0.1	141.1	0.0	0.8	15.0	-0.1	0.1	133.9	-0.5	0.3
		-4.7	0.2		1.1	0.2		-0.9	2.7		-0.2	0.1		-13.3	1.0
BX698W	46.2	0.6	1.8	70.2	0.7	0.4	163.3	0.9	0.3	17.0	0.4	0.2	157.0	0.4	0.9
		5.7	2.7		6.1	0.8		21.3	1.2		1.8	0.2		9.8	3.0
7KWVN2	36.2	-0.5	0.6	60.5	-0.4	0.9	124.5	-0.7	1.2	14.6	-0.2	0.6	118.5	-1.1	0.7
		-4.4	0.8		-3.6	1.8		-17.5	4.2		-0.7	0.6		-28.7	2.3
9WKG82	87.3	5.0	1.8	62.3	-0.2	1.4	167.1	1.1	2.0	32.3	4.2	2.9	142.2	-0.2	1.9
		46.7	2.7		-1.8	2.8		25.1	7.0		17.1	2.6		-5.0	6.6
ABZYEY	31.4	-1.0	0.4	64.7	0.1	0.2	107.7	-1.4	0.4	13.3	-0.5	0.3	121.3	-1.0	0.7
		-9.1	0.6		0.5	0.3		-34.3	1.5		-1.9	0.3		-25.9	2.3
MAXQQK	46.0	0.6	1.3	62.0	-0.2	1.3	146.0	0.2	1.4	14.3	-0.2	0.6	117.3	-1.1	0.4
		5.4	2.0		-2.1	2.6		4.0	5.0		-0.9	0.6		-29.9	1.5
MZTJBK	39.8	-0.1	0.1	64.1	0.0	1.9	148.7	0.3	1.6	14.8	-0.1	1.0	176.7	1.1	1.9
		-0.7	0.1		0.0	3.8		6.7	5.6		-0.5	0.9		29.5	6.6
2YQUN2	46.8	0.7	0.6	85.9	2.4	1.2	194.3	2.2	1.1	17.7	0.6	0.6	182.1	1.3	0.8
		6.2	0.9		21.8	2.4		52.3	3.9		2.5	0.6		34.9	2.6
HX3QCL	43.3	0.3	0.3	61.3	-0.3	0.7	145.6	0.2	0.5	16.4	0.3	0.8	136.2	-0.4	1.5
		2.7	0.4		-2.8	1.4		3.6	1.9		1.2	0.7		-11.0	5.0
GF8XQM	34.7	-0.6	0.4	74.0	1.1	0.5	131.7	-0.4	0.4	18.0	0.7	2.2	113.7	-1.3	0.3
		-5.9	0.6		9.9	1.0		-10.3	1.5		2.8	2.0		-33.5	1.2
N6HFCF	38.9	-0.2	1.9	52.4	-1.3	2.5	118.7	-1.0	2.9	11.1	-1.0	0.9	94.7	-2.0	1.9
		-1.7	2.9		-11.8	5.1		-23.3	10.0		-4.1	0.8		-52.5	6.4
Grand Median		40.6			64.1			142.0			15.2			147.2	
Median Abs Dev		4.4			3.9			10.3			1.8			13.3	
Avg Within Lab SD		1.5			2.0			3.5			0.9			3.4	
Labs Included		31			31			31			31			31	
Labs Reporting		31			31			31			31			31	



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

Mehlich-3, K (SubTestCode 159)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
P2ZHHY	692.0	-0.4	0.1	118.0	-0.5	0.2	522.0	-0.2	1.3	98.8	-0.4	0.8	109.3	0.2	0.3		
		-45.8	1.0		-10.9	1.5		-12.7	20.5		-7.9	3.3		4.0	1.3		
BYXYDC	739.0	0.0	0.1	126.4	-0.1	0.4	508.8	-0.4	0.1	109.9	0.2	2.4	111.5	0.4	0.3		
		1.2	0.9		-2.6	2.9		-25.9	1.9		3.3	10.3		6.3	1.0		
UJH8JT	956.6	2.0	0.6	161.9	1.4	0.2	656.6	1.7	0.2	124.7	1.0	0.2	117.6	0.7	0.2		
		218.8	10.9		33.0	1.5		121.9	2.6		18.1	0.9		12.4	0.8		
WPJ78M	2,925.3	20.5	18.8	600.7	20.3	3.4	2,395.3	25.4	2.0	486.7	21.5	3.6	451.3	19.5	7.1		
		2,187.5	325.0		471.7	23.4		1,860.7	32.1		380.1	15.3		346.1	29.7		
PDR4NU	760.0	0.2		138.3	0.4	0.8	561.7	0.4	0.6	111.7	0.3	0.7	110.0	0.3			
		22.2	0.0		9.4	5.8		27.0	10.4		5.1	2.9		4.7	0.0		
WP3AEN	621.3	-1.1	0.8	128.7	0.0	1.0	384.9	-2.0	0.4	121.3	0.8	1.4	102.2	-0.2	1.0		
		-116.5	13.5		-0.3	6.5		-149.7	6.0		14.7	5.9		-3.1	4.4		
9JB2YB	749.3	0.1	0.5	140.0	0.5	0.4	535.0	0.0	0.2	109.3	0.2	0.1	112.3	0.4	0.6		
		11.5	8.0		11.1	2.6		0.3	3.0		2.7	0.6		7.1	2.3		
JMZPA2	618.3	-1.1	0.5	119.9	-0.4	0.9	440.6	-1.3	0.1	85.3	-1.2	1.0	100.0	-0.3	0.6		
		-119.5	7.9		-9.1	6.1		-94.1	2.2		-21.3	4.0		-5.3	2.5		
YM93AG	701.7	-0.3	0.6	138.5	0.4	0.2	515.0	-0.3	0.2	107.1	0.0	0.4	118.0	0.7	0.2		
		-36.2	10.4		9.5	1.7		-19.7	3.5		0.5	1.6		12.7	0.8		
JDB3EY	729.7	-0.1	2.2	128.1	0.0	0.3	567.7	0.5	1.0	103.4	-0.2	0.2	114.0	0.5	0.2		
		-8.2	38.4		-0.9	2.1		33.0	15.3		-3.2	1.0		8.8	0.9		
9P39J6	694.5	-0.4	0.3	138.9	0.4	0.4	517.8	-0.2	0.7	106.2	0.0	0.2	117.3	0.7	0.2		
		-43.3	5.2		10.0	3.1		-16.8	11.5		-0.5	1.0		12.0	1.0		
KJBZ3T	829.3	0.9	0.6	134.3	0.2	0.3	614.3	1.1	0.6	96.0	-0.6	0.2	93.3	-0.7	0.4		
		91.5	11.0		5.4	2.1		79.7	10.1		-10.6	1.0		-12.0	1.5		
3HG3JC	570.0	-1.6		102.0	-1.2		394.0	-1.9		73.0	-1.9		60.0	-2.6			
		-167.8	0.0		-26.9	0.0		-140.7	0.0		-33.6	0.0		-45.3	0.0		
VMZPEH	729.6	-0.1	0.0	129.2	0.0	1.1	594.7	0.8	1.3	103.5	-0.2	1.3	109.7	0.2	1.2		
		-8.3	0.8		0.2	7.6		60.0	20.9		-3.1	5.5		4.4	4.8		
ZNYNFD	664.7	-0.7	1.3	114.0	-0.6	0.4	446.3	-1.2	0.3	99.3	-0.4	0.8	92.0	-0.8	0.2		
		-73.2	22.1		-14.9	3.0		-88.3	4.7		-7.3	3.5		-13.3	1.0		
E8KYJY	701.7	-0.3	0.2	120.7	-0.4	0.4	514.0	-0.3	0.6	101.4	-0.3	0.7	93.4	-0.7	0.3		
		-36.2	4.0		-8.3	2.5		-20.7	10.4		-5.3	3.0		-11.9	1.3		
XV4JLF	754.0	0.2		132.0	0.1		512.0	-0.3		112.0	0.3		106.0	0.0			
		16.2	0.0		3.1	0.0		-22.7	0.0		5.4	0.0		0.7	0.0		
T67A2M	753.3	0.1	1.0	295.5	7.1	0.6	480.7	-0.7	0.7	202.3	5.4	1.0	135.1	1.7	0.5		
		15.5	17.1		166.5	4.1		-54.0	10.4		95.7	4.2		29.8	2.2		
Q2DTBN	681.7	-0.5	0.2	107.0	-0.9	0.4	457.7	-1.1	0.2	99.3	-0.4	0.1	106.3	0.1	0.1		
		-56.2	3.8		-21.9	2.6		-77.0	2.5		-7.3	0.6		1.1	0.6		
WWZ2MH	1,090.0	3.3	0.1	113.1	-0.7	0.0	557.0	0.3		92.4	-0.8	0.0	104.0	-0.1			
		352.2	1.0		-15.9	0.1		22.3	0.0		-14.2	0.0		-1.3	0.0		



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	Sample Mean			Z Score			k Score			Sample Mean			Z Score			k Score			Sample Mean			Z Score			k Score		
	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	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			
GC6ZFU	736.7	0.0	0.5	122.0	-0.3	1.1	470.2	-0.9	0.3	108.1	0.1	0.3	96.6	-0.5	0.6												
		-1.2	9.4		-7.0	7.3		-64.5	5.5		1.4	1.1		-8.7	2.3												
2RDHVB	844.0	1.0	0.9	150.7	0.9	0.6	534.3	0.0	0.2	103.7	-0.2	0.6	94.0	-0.6	0.4												
		106.2	15.7		21.7	4.2		-0.3	3.5		-3.0	2.5		-11.3	1.7												
3B3GB8	740.0	0.0	0.6	140.0	0.5	0.3	570.0	0.5		100.7	-0.3	0.7	99.3	-0.3	0.3												
		2.2	10.0		11.1	2.0		35.3	0.0		-6.0	3.1		-6.0	1.2												
6J7BH6	710.0	-0.3	0.3	121.5	-0.3	0.2	546.0	0.2	0.2	98.2	-0.5	0.0	94.5	-0.6	0.1												
		-27.8	5.0		-7.5	1.3		11.3	3.6		-8.5	0.2		-10.8	0.5												
YNEK8D	696.6	-0.4	1.3	106.3	-1.0	0.3	572.2	0.5	0.2	135.9	1.7	2.4	76.4	-1.6	2.1												
		-41.2	22.2		-22.7	1.9		37.6	3.6		29.2	10.0		-28.8	8.7												
V3RMFD	674.7	-0.6	1.1	128.7	0.0	0.3	574.1	0.5	0.4	100.3	-0.4	0.3	113.5	0.5	0.4												
		-63.2	19.0		-0.2	2.3		39.5	7.0		-6.3	1.2		8.3	1.9												
PZ7RCJ	719.8	-0.2	0.7	138.3	0.4	0.7	514.2	-0.3	0.3	108.7	0.1	0.4	100.7	-0.3	0.5												
		-18.0	11.5		9.4	4.6		-20.5	4.4		2.1	1.6		-4.6	2.1												
BX698W	879.0	1.3	1.4	149.7	0.9	0.5	599.7	0.9	0.2	116.3	0.6	0.6	118.0	0.7	1.1												
		141.2	24.3		20.7	3.2		65.0	3.1		9.7	2.5		12.7	4.6												
7KWVN2	661.6	-0.7	1.0	128.7	0.0	0.7	461.5	-1.0	0.7	104.5	-0.1	1.0	101.7	-0.2	0.5												
		-76.2	17.8		-0.2	4.7		-73.2	11.4		-2.1	4.2		-3.6	2.0												
9WKG82	800.5	0.6	0.5	124.1	-0.2	0.2	590.4	0.8	1.1	107.3	0.0	2.5	105.6	0.0	1.1												
		62.7	8.6		-4.9	1.3		55.8	18.4		0.7	10.6		0.3	4.6												
ABZYEY	651.7	-0.8	0.4	126.7	-0.1	0.3	498.3	-0.5	0.7	98.8	-0.4	0.4	92.9	-0.7	0.2												
		-86.2	7.8		-2.3	2.1		-36.3	10.5		-7.8	1.9		-12.4	1.0												
MAXQQK	894.3	1.5	2.9	132.0	0.1	1.5	597.0	0.9	1.2	113.7	0.4	1.8	105.0	0.0	2.3												
		156.5	50.1		3.1	10.0		62.3	20.0		7.1	7.5		-0.3	9.5												
MZTJBK	745.9	0.1	1.9	161.6	1.4	1.1	546.4	0.2	1.3	145.9	2.2	1.0	160.3	3.1	4.2												
		8.1	32.5		32.6	7.8		11.7	21.2		39.3	4.2		55.0	17.6												
6UNU32	952.3	2.0	0.4	154.2	1.1	0.3	617.4	1.1	0.7	112.4	0.3	0.9	106.2	0.0	0.4												
		214.5	7.1		25.3	1.9		82.7	10.9		5.8	3.8		0.9	1.6												
2YQUN2	745.0	0.1	0.6	119.0	-0.4	0.5	523.8	-0.1	1.6	81.4	-1.4	0.0	75.6	-1.7	0.5												
		7.2	10.1		-9.9	3.3		-10.8	26.4		-25.2	0.0		-29.6	2.0												
HX3QCL	743.9	0.1	0.1	122.8	-0.3	0.4	497.7	-0.5	0.4	117.3	0.6	0.5	98.5	-0.4	0.5												
		6.0	2.4		-6.1	3.0		-36.9	6.4		10.6	2.1		-6.7	2.1												
GF8XQM	918.0	1.7	0.5	149.0	0.9	0.7	671.3	1.9	0.4	110.7	0.2	0.5	130.3	1.4	0.7												
		180.2	9.0		20.1	4.6		136.7	6.1		4.1	2.1		25.1	3.1												
N6HFCF	769.3	0.3	2.7	142.3	0.6	5.0	539.7	0.1	2.9	89.1	-1.0	1.7	83.1	-1.3	1.4												
		31.5	45.9		13.4	34.3		5.0	46.1		-17.6	7.1		-22.2	5.7												
DTNJLQ	670.0	-0.6		148.0	0.8	0.4	562.0	0.4	3.6	113.0	0.4	1.2	116.0	0.6	0.2												
		-67.8	0.0		19.1	2.6		27.3	58.4		6.4	5.2		10.7	1.0												



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		737.8			128.9			534.7			106.6			105.3	
Median Abs Dev		44.6			9.7			36.6			6.7			8.7	
Avg Within Lab SD		17.3			6.8			16.0			4.2			4.2	
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		

Mehlich-3, Ca (SubTestCode 160)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	4,744.5	-0.3	0.5	930.3	-0.5	0.2	14,681.8	0.4	0.6	1,187.3	-0.5	0.5	855.8	0.1	0.2
		-243.8	59.5		-84.0	6.8		1,165.1	287.8		-139.4	35.8		13.4	7.8
BYXYDC	4,894.1	-0.1	0.9	951.6	-0.3	1.0	13,976.0	0.1	1.4	1,310.0	-0.1	2.0	940.2	0.8	1.9
		-94.3	109.9		-62.6	41.1		459.3	641.1		-16.7	131.8		97.8	78.6
UJH8JT	3,242.3	-2.4	0.1	1,365.7	1.9	0.3	3,505.3	-3.2	0.1	1,667.0	1.3	0.3	972.7	1.0	0.2
		-1,746.1	14.1		351.5	11.1		-10,011.3	31.5		340.3	21.7		130.3	9.9
WPJ78M	18,300.7	18.0	6.5	3,843.3	15.2	2.2	49,776.0	11.6	0.9	4,531.3	12.3	3.0	2,990.0	17.1	3.0
		13,312.3	833.4		2,829.1	90.0		36,259.3	424.1		3,204.7	203.1		2,147.7	129.2
PDR4NU	4,988.3	0.0	0.4	1,038.0	0.1	0.9	14,598.3	0.3	0.4	1,318.3	0.0	0.5	851.7	0.1	0.1
		0.0	45.4		23.8	37.0		1,081.7	173.5		-8.3	36.2		9.3	2.9
WP3AEN	5,062.0	0.1	0.6	1,196.7	1.0	1.4	11,858.3	-0.5	0.2	1,272.7	-0.2	0.8	776.5	-0.5	0.4
		73.7	80.3		182.5	55.8		-1,658.3	102.8		-54.0	53.5		-65.9	16.8
JMZPA2	4,937.3	-0.1	1.6	1,014.2	0.0	0.8	14,910.3	0.4	0.2	1,176.9	-0.6	1.2	747.0	-0.8	0.9
		-51.0	207.9		0.0	34.1		1,393.7	98.1		-149.7	83.3		-95.3	36.9
YM93AG	4,587.3	-0.5	0.0	1,166.0	0.8	0.3	11,306.3	-0.7	0.0	1,386.3	0.2	0.1	923.3	0.6	0.3
		-401.0	3.8		151.8	12.2		-2,210.3	4.7		59.7	5.7		81.0	12.6
JDB3EY	4,424.0	-0.8	1.1	951.7	-0.3	1.2	12,940.3	-0.2	1.1	1,204.3	-0.5	1.1	870.7	0.2	1.1
		-564.3	142.2		-62.5	50.8		-576.3	485.5		-122.3	72.5		28.3	48.1
9P39J6	4,586.3	-0.5	0.4	1,114.0	0.5	0.4	11,310.0	-0.7	0.0	1,385.3	0.2	0.1	927.2	0.7	0.5
		-402.0	52.0		99.8	17.8		-2,206.7	5.0		58.7	9.7		84.8	20.1
KJBZ3T	5,593.3	0.8	1.1	1,106.7	0.5	1.2	15,666.7	0.7	1.5	1,326.7	0.0	1.7	922.3	0.6	3.8
		605.0	144.7		92.5	50.3		2,150.0	702.4		0.0	115.0		80.0	159.3
3HG3JC	3,409.0	-2.1		813.0	-1.1		8,636.0	-1.6		987.0	-1.3		469.0	-3.0	
		-1,579.3	0.0		-201.2	0.0		-4,880.7	0.0		-339.7	0.0		-373.3	0.0
VMZPEH	5,172.6	0.2	1.3	950.9	-0.3	1.2	16,764.9	1.0	2.5	1,252.5	-0.3	1.1	802.9	-0.3	0.2
		184.3	168.3		-63.3	50.7		3,248.3	1,157.3		-74.1	71.1		-39.5	8.1
ZNYNFD	5,160.3	0.2	0.8	1,089.0	0.4	0.2	16,125.0	0.8	1.3	1,485.0	0.6	1.1	905.0	0.5	0.4
		172.0	103.4		74.8	9.0		2,608.3	612.6		158.3	70.3		62.7	18.0
E8KYJY	4,910.3	-0.1	0.1	1,000.7	-0.1	0.2	14,696.0	0.4	0.6	1,353.7	0.1	0.7	780.7	-0.5	0.3
		-78.0	15.4		-13.5	7.5		1,179.3	280.3		27.0	43.7		-61.7	14.4
XV4JLF	4,257.0	-1.0		1,039.5	0.1		14,206.5	0.2		1,732.5	1.6		990.0	1.2	
		-731.3	0.0		25.3	0.0		689.8	0.0		405.8	0.0		147.7	0.0
T67A2M	5,171.6	0.2	1.1	1,816.7	4.3	0.4	12,326.2	-0.4	0.6	3,069.6	6.7	1.4	1,074.8	1.9	0.2
		183.2	144.6		802.5	17.7		-1,190.5	258.5		1,743.0	95.7		232.5	8.6
Q2DTBN	4,567.3	-0.6	0.1	801.7	-1.1	0.1	13,138.3	-0.1	0.1	830.0	-1.9	0.1	812.0	-0.2	0.1
		-421.0	8.1		-212.5	5.5		-378.3	60.8		-496.7	6.9		-30.3	3.6
WWZ2MH	4,277.7	-1.0	0.0	919.0	-0.5		12,788.0	-0.2		1,155.0	-0.7		747.0	-0.8	
		-710.7	2.5		-95.2	0.0		-728.7	0.0		-171.7	0.0		-95.3	0.0
GC6ZFU	5,140.1	0.2	0.6	927.7	-0.5	2.2	11,563.4	-0.6	0.4	1,398.2	0.3	0.6	864.3	0.2	1.4
		151.8	76.5		-86.5	90.9		-1,953.3	202.7		71.5	39.2		21.9	57.5



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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		
2RDHVB	5,137.7	0.2	0.6	1,118.7	0.6	1.2	7,936.3	-1.8	0.2	1,428.0	0.4	1.2	747.7	-0.8	0.7
	149.3	72.2		104.5	47.1		-5,580.3	77.8		101.3	76.9		-94.7	29.1	
3B3GB8	4,945.7	-0.1	0.3	1,120.3	0.6	0.7	13,830.0	0.1	0.1	1,481.0	0.6	2.3	812.3	-0.2	0.8
	-42.7	38.1		106.1	30.0		313.3	57.2		154.3	151.4		-30.0	33.9	
6J7BH6	5,419.7	0.6	0.0	864.3	-0.8	0.1	18,067.0	1.5	0.0	1,262.3	-0.2	0.0	772.3	-0.6	0.1
	431.3	3.5		-149.9	4.0		4,550.3	7.5		-64.3	2.5		-70.0	2.5	
YNEK8D	4,840.2	-0.2	1.0	1,211.9	1.1	0.7	4,852.2	-2.8	0.2	1,382.3	0.2	0.8	844.2	0.0	0.1
	-148.1	123.7		197.7	29.0		-8,664.5	93.2		55.6	54.8		1.8	4.8	
V3RMFD	4,121.0	-1.2	0.9	801.6	-1.1	0.3	14,469.7	0.3	0.3	1,175.7	-0.6	0.1	785.7	-0.5	0.5
	-867.3	116.6		-212.6	12.0		953.0	119.4		-151.0	7.5		-56.7	19.2	
BX698W	5,403.0	0.6	0.5	1,039.3	0.1	0.2	13,516.7	0.0	0.1	1,351.3	0.1	0.3	842.3	0.0	0.4
	414.7	68.1		25.1	10.0		0.0	36.7		24.7	22.1		0.0	18.8	
7KWVN2	5,073.7	0.1	1.1	1,075.0	0.3	1.5	12,725.0	-0.3	1.0	1,427.3	0.4	0.4	858.0	0.1	0.4
	85.3	142.6		60.8	61.0		-791.7	455.2		100.7	29.9		15.7	17.1	
9WKG82	6,017.0	1.4	1.3	902.9	-0.6	0.3	17,880.0	1.4	0.8	1,339.0	0.0	2.2	826.3	-0.1	1.0
	1,028.7	163.1		-111.3	11.5		4,363.3	350.4		12.3	145.7		-16.1	42.4	
MAXQQK	5,707.3	1.0	0.6	1,117.3	0.6	0.1	12,394.7	-0.4	0.9	1,332.7	0.0	1.0	774.7	-0.5	0.5
	719.0	81.5		103.1	3.2		-1,122.0	428.1		6.0	69.9		-67.7	22.7	
MZTJBK	5,107.2	0.2	2.3	915.7	-0.5	2.9	16,658.1	1.0	3.7	1,369.8	0.2	0.9	870.9	0.2	2.5
	118.8	299.8		-98.5	117.7		3,141.4	1,660.5		43.2	57.5		28.5	104.1	
6UNU32	3,215.3	-2.4	0.5	992.0	-0.1	0.6	14,483.7	0.3	0.6	1,221.5	-0.4	0.1	724.7	-0.9	0.0
	-1,773.0	66.5		-22.2	24.9		967.1	292.2		-105.2	5.5		-117.6	1.7	
2YQUN2	4,694.6	-0.4	0.3	935.3	-0.4	0.1	12,860.0	-0.2	0.7	1,106.5	-0.8	0.3	613.5	-1.8	0.2
	-293.8	35.8		-78.9	3.8		-656.7	298.8		-220.1	20.8		-228.9	9.5	
HX3QCL	5,068.8	0.1	0.7	1,011.2	0.0	0.7	14,730.4	0.4	0.9	1,519.2	0.7	0.6	890.5	0.4	0.9
	80.5	87.3		-3.0	28.0		1,213.8	409.9		192.5	37.9		48.2	37.2	
GF8XQM	6,426.3	1.9	0.1	1,360.0	1.9	0.1	12,902.7	-0.2	0.1	1,314.7	0.0	0.5	938.0	0.8	0.1
	1,438.0	14.0		345.8	5.0		-614.0	27.1		-12.0	34.6		95.7	4.4	
N6HFCF	5,554.7	0.8	3.5	947.0	-0.4	2.0	14,093.3	0.2	1.4	1,087.7	-0.9	1.1	601.3	-1.9	0.8
	566.3	445.0		-67.2	82.6		576.7	629.8		-239.0	75.3		-241.0	34.4	
DTNJLQ	5,940.0	1.3	0.7	1,023.3	0.0	1.4	13,000.0	-0.2		1,090.0	-0.9	1.7	745.0	-0.8	1.5
	951.7	84.9		9.1	58.6		-516.7	0.0		-236.7	113.1		-97.3	62.6	
Grand Median		4,988.3			1,014.2			13,516.7			1,326.7			842.3	
Median Abs Dev		401.0			92.5			1,179.3			101.3			67.7	
Avg Within Lab SD		128.7			40.7			454.3			66.7			42.4	
Labs Included		35			35			35			35			35	
Labs Reporting		35			35			35			35			35	



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

Mehlich-3, Mg (SubTestCode 161)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
P2ZHHY	327.0	-0.5	0.2	145.8	-0.5	0.3	1,426.3	-0.5	0.2	262.5	-0.4	0.4	106.8	0.3	0.2		
		-28.1	2.0		-10.2	2.3		-151.8	15.3		-13.4	5.0		4.6	0.8		
BYXYDC	327.7	-0.5	1.4	139.1	-0.8	0.2	1,454.6	-0.4	0.2	266.8	-0.3	2.1	102.1	0.0	2.0		
		-27.4	15.8		-16.9	1.7		-123.5	10.7		-9.1	29.0		0.0	9.8		
UJH8JT	433.0	1.4	0.1	191.0	1.6	0.4	1,933.5	1.1	0.0	331.6	1.7	0.1	111.3	0.5	0.2		
		77.9	1.1		35.0	3.0		355.5	2.4		55.6	1.2		9.2	1.2		
WPJ78M	1,577.3	22.7	5.4	656.7	22.5	0.6	6,456.7	15.1	1.3	1,230.0	29.3	1.0	438.0	19.4	1.9		
		1,222.3	60.9		500.7	4.6		4,878.6	81.1		954.1	14.0		335.9	9.2		
PDR4NU	365.0	0.2		163.3	0.3	0.7	1,620.0	0.1	0.5	290.0	0.4	0.6	110.0	0.5			
		9.9	0.0		7.4	5.8		41.9	34.6		14.1	8.7		7.9	0.0		
WP3AEN	313.7	-0.8	0.3	165.3	0.4	1.0	1,291.0	-0.9	0.3	282.7	0.2	0.7	97.2	-0.3	1.0		
		-41.4	3.2		9.4	8.5		-287.1	18.1		6.7	9.7		-5.0	5.1		
JMZPA2	321.5	-0.6	0.5	145.9	-0.5	0.3	1,152.4	-1.3	0.4	237.0	-1.2	1.0	101.2	-0.1	1.1		
		-33.5	5.5		-10.1	2.5		-425.7	23.8		-38.9	13.5		-1.0	5.3		
YM93AG	318.8	-0.7	0.1	164.8	0.4	0.1	1,476.0	-0.3	0.0	273.7	-0.1	0.2	120.2	1.0	0.1		
		-36.3	1.7		8.8	1.0		-102.1	2.0		-2.2	3.3		18.1	0.4		
JDB3EY	322.5	-0.6	2.2	141.8	-0.6	0.6	1,578.1	0.0	1.0	254.7	-0.7	0.5	109.4	0.4	0.4		
		-32.5	24.1		-14.2	5.3		0.0	64.5		-21.2	6.8		7.3	2.1		
9P39J6	316.9	-0.7	0.1	164.9	0.4	0.2	1,465.7	-0.3	0.6	275.9	0.0	0.5	120.3	1.1	0.2		
		-38.2	1.6		9.0	2.0		-112.4	36.6		0.0	6.8		18.2	1.1		
KJBZ3T	394.7	0.7	0.6	166.3	0.5	0.9	1,746.7	0.5	0.2	264.7	-0.3	0.2	97.7	-0.3	0.8		
		39.6	7.2		10.4	7.2		168.6	15.3		-11.3	3.1		-4.5	4.0		
3HG3JC	236.0	-2.2		109.0	-2.1		1,029.0	-1.7		184.0	-2.8		61.0	-2.4			
		-119.1	0.0		-47.0	0.0		-549.1	0.0		-91.9	0.0		-41.1	0.0		
VMZPEH	344.9	-0.2	1.8	159.4	0.2	1.3	1,730.1	0.5	1.2	279.6	0.1	1.1	115.6	0.8	1.0		
		-10.2	20.2		3.4	11.3		152.1	74.5		3.7	14.5		13.5	5.1		
ZNYNFD	369.3	0.3	0.7	162.3	0.3	1.0	1,578.3	0.0	1.2	295.7	0.6	0.2	105.3	0.2	0.5		
		14.3	7.5		6.4	8.1		0.3	74.3		19.7	2.3		3.2	2.3		
E8KYJY	322.7	-0.6	0.2	160.0	0.2	0.2	1,495.3	-0.3	0.4	288.0	0.4	0.3	110.0	0.5	0.4		
		-32.4	2.1		4.0	1.7		-82.7	23.5		12.1	3.5		7.9	2.0		
XV4JLF	366.0	0.2		144.0	-0.5		688.0	-2.8		361.0	2.6		114.0	0.7			
		10.9	0.0		-12.0	0.0		-890.1	0.0		85.1	0.0		11.9	0.0		
T67A2M	382.5	0.5	0.6	184.8	1.3	0.1	796.8	-2.4	0.2	333.9	1.8	0.2	127.1	1.4	0.3		
		27.4	7.0		28.8	0.6		-781.3	11.5		57.9	2.4		25.0	1.7		
Q2DTBN	289.7	-1.2	0.3	123.3	-1.5	0.2	1,181.3	-1.2	0.0	251.0	-0.8	0.2	104.7	0.1	0.2		
		-65.4	3.8		-32.6	2.1		-396.7	2.5		-24.9	2.6		2.5	1.2		
WWZ2MH	288.4	-1.2	0.0	135.6	-0.9	0.0	1,497.0	-0.3		240.0	-1.1		99.4	-0.2	0.1		
		-66.7	0.4		-20.4	0.0		-81.1	0.0		-35.9	0.0		-2.7	0.5		
GC6ZFU	340.9	-0.3	0.9	125.8	-1.4	1.4	1,236.6	-1.1	1.4	277.1	0.0	0.4	92.5	-0.6	0.4		
		-14.1	10.2		-30.2	11.6		-341.4	86.4		1.2	4.8		-9.6	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
2RDHVB	388.3	0.6	1.6	160.7	0.2	0.2	1,261.0	-1.0	0.8	277.7	0.1	0.2	88.0	-0.8	0.7
		33.3	18.3		4.7	1.5		-317.1	49.1		1.7	3.2		-14.1	3.5
3B3GB8	339.7	-0.3	0.6	154.3	-0.1	0.8	1,543.7	-0.1	0.5	280.3	0.1	2.0	104.7	0.1	1.0
		-15.4	6.4		-1.6	6.4		-34.4	31.5		4.4	26.7		2.5	4.7
6J7BH6	343.7	-0.2	0.1	138.5	-0.8	0.2	1,817.7	0.7	0.0	270.9	-0.2	0.1	100.7	-0.1	0.1
		-11.4	1.5		-17.5	1.5		239.7	2.1		-5.0	1.2		-1.4	0.6
YNEK8D	403.2	0.9	0.4	165.5	0.4	0.3	1,635.3	0.2	0.2	262.1	-0.4	0.7	97.7	-0.3	0.2
		48.1	5.0		9.6	2.3		57.2	12.8		-13.8	10.1		-4.5	0.9
V3RMFD	331.7	-0.4	0.2	132.6	-1.0	0.4	1,587.7	0.0	0.4	257.3	-0.6	0.4	114.3	0.7	0.9
		-23.4	2.5		-23.3	3.0		9.6	25.5		-18.6	5.9		12.1	4.6
BX698W	386.1	0.6	0.5	156.0	0.0	0.2	1,745.6	0.5	0.3	289.9	0.4	0.4	103.3	0.1	0.5
		31.0	5.4		0.0	1.5		167.5	20.4		13.9	5.5		1.2	2.2
7KWVN2	321.4	-0.6	2.5	147.4	-0.4	3.1	1,371.4	-0.6	2.0	257.8	-0.6	1.7	101.2	-0.1	2.8
		-33.7	28.3		-8.5	26.1		-206.7	127.2		-18.1	23.3		-0.9	13.9
9WKG82	377.3	0.4	0.9	134.5	-1.0	0.3	1,921.3	1.1	1.0	272.4	-0.1	2.0	100.6	-0.1	1.8
		22.2	9.7		-21.5	2.2		343.3	66.2		-3.5	27.9		-1.5	8.9
MAXQQK	415.7	1.1	1.2	169.0	0.6	1.1	1,718.7	0.4	1.3	279.7	0.1	1.3	96.3	-0.3	1.5
		60.6	13.1		13.0	9.2		140.6	84.7		3.7	17.0		-5.8	7.6
MZTJBK	366.7	0.2	1.9	172.5	0.7	3.4	1,754.0	0.5	3.9	310.8	1.1	2.9	133.8	1.8	2.5
		11.6	21.0		16.5	28.2		175.9	246.5		34.9	40.0		31.6	12.5
6UNU32	402.2	0.9	0.6	167.6	0.5	0.3	1,721.7	0.4	0.5	275.7	0.0	0.2	96.0	-0.4	0.1
		47.1	6.2		11.6	2.8		143.6	33.9		-0.2	3.2		-6.2	0.3
2YQUN2	355.1	0.0	0.2	145.0	-0.5	0.4	1,612.9	0.1	0.7	241.3	-1.1	0.1	78.6	-1.4	0.1
		0.0	2.2		-11.0	3.1		34.8	46.0		-34.6	2.0		-23.5	0.6
HX3QCL	357.4	0.0	0.7	140.1	-0.7	0.4	1,639.8	0.2	0.4	307.4	1.0	0.6	100.2	-0.1	0.3
		2.3	7.4		-15.9	3.3		61.8	27.4		31.5	7.8		-2.0	1.6
GF8XQM	420.0	1.2	0.2	190.0	1.5	0.4	1,749.7	0.5	0.3	296.0	0.6	0.3	175.7	4.3	0.9
		64.9	2.0		34.0	3.0		171.6	20.5		20.1	4.4		73.5	4.5
N6HFCF	383.7	0.5	2.4	147.0	-0.4	1.8	1,732.0	0.5	2.1	239.3	-1.1	1.9	80.1	-1.3	1.3
		28.6	26.6		-9.0	15.1		153.9	134.9		-36.6	25.5		-22.1	6.6
DTNJLQ	470.0	2.1	0.6	167.5	0.5	0.4	1,250.0	-1.0		298.3	0.7	0.6	90.0	-0.7	1.0
		114.9	7.1		11.5	3.5		-328.1	0.0		22.4	7.6		-12.1	5.0
Grand Median		355.1			156.0			1,578.1			275.9			102.1	
Median Abs Dev		32.4			11.5			153.9			14.1			7.3	
Avg Within Lab SD		11.2			8.4			64.0			13.6			4.9	
Labs Included		35			35			35			35			35	
Labs Reporting		35			35			35			35			35	



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

Mehlich-3, Na (SubTestCode 162)			in the Mehlich-3 Multi-Element Property Groups										Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
BYXYDC	40.7	-0.2	1.4	9.8	-0.3	1.1	350.9	-1.1	0.1	34.0	-0.1	0.2	15.4	0.1	0.5
		-3.2	4.2		-3.3	2.3		-303.4	5.0		-2.6	0.7		0.9	2.6
UJH8JT	54.6	0.7	0.3	15.5	0.2	0.2	802.9	0.6	0.0	49.7	0.6	1.4	16.9	0.2	0.2
		10.8	0.9		2.5	0.4		148.7	1.8		13.0	4.9		2.4	0.9
WPJ78M	45.0	0.1		21.7	0.8	0.3	174.3	-1.8	0.1	93.7	2.6	1.1	23.3	0.9	0.1
		1.1	0.0		8.6	0.6		-479.9	3.5		57.0	4.2		8.8	0.6
WP3AEN	9.6	-2.3	0.1	11.2	-0.2	0.4	94.4	-2.1	0.0	9.3	-1.2	0.2	11.3	-0.3	0.1
		-34.3	0.5		-1.9	0.8		-559.9	2.8		-27.4	0.9		-3.2	0.7
JMZPA2	41.0	-0.2	0.4	14.4	0.1	0.9	593.9	-0.2	0.5	32.8	-0.2	0.4	15.1	0.1	0.2
		-2.9	1.4		1.4	1.9		-60.3	34.5		-3.8	1.5		0.6	1.3
JDB3EY	39.5	-0.3	0.3	15.6	0.2	0.6	644.0	0.0	0.3	34.9	-0.1	0.4	18.8	0.4	0.2
		-4.4	0.9		2.5	1.2		-10.3	19.2		-1.7	1.6		4.3	1.3
KJBZ3T	50.7	0.5	0.2	14.0	0.1	0.5	829.0	0.7	0.2	37.3	0.0	0.2	14.3	0.0	0.3
		6.8	0.6		0.9	1.0		174.7	11.4		0.7	0.6		-0.2	1.5
3HG3JC	26.0	-1.2		6.0	-0.6		325.0	-1.2		24.0	-0.6		5.0	-1.0	
		-17.9	0.0		-7.1	0.0		-329.3	0.0		-12.6	0.0		-9.5	0.0
VMZPEH	59.9	1.1	1.6	30.4	1.5	1.5	832.2	0.7	0.3	57.1	0.9	1.5	32.7	1.8	1.3
		16.0	5.0		17.3	3.3		178.0	18.5		20.5	5.3		18.2	7.0
E8KYJY	41.5	-0.2	0.1	8.2	-0.4	0.6	706.0	0.2	0.2	36.4	0.0	0.1	9.6	-0.5	0.3
		-2.4	0.4		-4.9	1.4		51.7	15.4		-0.3	0.2		-4.9	1.5
XV4JLF	39.1	-0.3	0.0	10.8	-0.2		606.5	-0.2	0.0	36.9	0.0	0.0	12.5	-0.2	0.0
		-4.8	0.0		-2.3	0.0		-47.7	0.0		0.3	0.0		-2.0	0.0
T67A2M	62.6	1.3	0.0	35.0	1.9	0.4	567.7	-0.3	0.0	147.2	5.0	0.5	26.8	1.2	0.1
		18.7	0.1		21.9	0.9		-86.6	0.2		110.6	1.7		12.3	0.5
WWZ2MH	40.6	-0.2	0.0	10.9	-0.2	0.0	491.0	-0.6		36.1	0.0	0.0	12.3	-0.2	0.0
		-3.3	0.0		-2.2	0.0		-163.3	0.0		-0.5	0.0		-2.2	0.0
GC6ZFU	44.2	0.0	1.0	10.3	-0.2	1.0	529.0	-0.5	0.2	43.4	0.3	0.4	11.8	-0.3	0.3
		0.3	3.2		-2.8	2.1		-125.2	15.4		6.7	1.6		-2.7	1.8
2RDHVB	47.0	0.2	0.9	13.7	0.1	0.3	624.3	-0.1	0.0	42.3	0.3	1.4	11.0	-0.4	0.2
		3.1	2.6		0.6	0.6		-29.9	2.1		5.7	5.0		-3.5	1.0
YNEK8D	79.8	2.4	1.5	32.9	1.8	0.4	664.5	0.0	0.1	49.4	0.6	1.6	28.0	1.4	0.1
		36.0	4.4		19.9	0.8		10.3	4.2		12.8	5.7		13.5	0.8
V3RMFD	42.0	-0.1	0.3	9.0	-0.4	0.5	767.0	0.4	0.2	35.7	0.0	0.6	11.7	-0.3	0.2
		-1.9	1.0		-4.1	1.0		112.7	14.8		-1.0	2.1		-2.8	1.2
BX698W	43.6	0.0	0.4	7.8	-0.5	0.0	829.8	0.7	0.1	34.9	-0.1	0.2	8.2	-0.6	0.1
		-0.3	1.2		-5.3	0.1		175.5	9.4		-1.7	0.8		-6.3	0.4
7KWVN2	47.0	0.2	3.1	28.6	1.4	3.4	251.3	-1.5	0.0	25.1	-0.5	0.4	18.1	0.4	0.4
		3.2	9.5		15.5	7.4		-403.0	3.1		-11.6	1.5		3.6	2.1
9WKG82	38.3	-0.4	0.6	7.6	-0.5	0.8	898.5	0.9	4.7	32.9	-0.2	3.1	21.8	0.7	4.5
		-5.6	1.9		-5.4	1.8		244.2	327.1		-3.7	11.3		7.3	24.8



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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		
MAXQK	54.3	0.7	0.8	17.0	0.3		850.7	0.7	0.6	43.3	0.3	0.6	14.7	0.0	0.2
		10.5	2.5		3.9	0.0		196.4	43.5		6.7	2.1		0.2	1.2
6UNU32	92.8	3.3	0.4	58.0	4.0	0.5	881.6	0.9	0.2	79.4	1.9	0.2	60.0	4.6	0.2
		48.9	1.1		44.9	1.0		227.4	14.9		42.8	0.8		45.5	0.9
HX3QCL	44.9	0.1	1.0	12.5	-0.1	1.0	748.1	0.4	0.3	45.0	0.4	0.5	13.5	-0.1	0.1
		1.0	2.9		-0.6	2.1		93.9	17.7		8.4	1.9		-1.0	0.8
N6HFCF	42.1	-0.1	1.8	9.7	-0.3	2.0	770.0	0.4	1.1	29.0	-0.3	1.5	9.6	-0.5	1.0
		-1.8	5.4		-3.4	4.3		115.7	73.7		-7.6	5.5		-4.9	5.4
Grand Median		43.9			13.1			654.3			36.6			14.5	
Median Abs Dev		3.9			3.7			156.0			6.7			3.6	
Avg Within Lab SD		3.1			2.2			70.0			3.6			5.5	
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, S (SubTestCode 163)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
BYXYDC	14.8	-0.3	0.7	16.4	-0.6	0.8	6,559.5	0.5	0.1	25.4	-0.2	0.1	17.0	-0.5	0.6	
		-3.3	1.8		-2.7	2.4		1,081.5	26.7		-6.0	0.9		-2.6	0.8	
UJH8JT	55.8	3.6	0.1	25.5	1.3	0.1	5,256.0	-0.1	0.2	34.7	0.1	0.0	21.2	0.3	0.4	
		37.6	0.2		6.4	0.3		-222.1	62.6		3.3	0.5		1.6	0.5	
WPJ78M	45.0	2.6	0.4	23.3	0.9	0.2	4,314.0	-0.6	0.6	41.7	0.3	0.3	23.0	0.7	0.8	
		26.9	1.0		4.2	0.6		-1,164.1	237.0		10.3	4.2		3.4	1.0	
PDR4NU	20.0	0.2		20.0	0.2		6,728.3	0.6	0.1	30.0	0.0		20.0	0.1		
		1.9	0.0		0.9	0.0		1,250.3	46.5		-1.3	0.0		0.4	0.0	
WP3AEN	8.6	-0.9	0.5	20.9	0.4	0.5	1,856.3	-1.7	0.3	9.7	-0.7	0.0	20.2	0.1	1.4	
		-9.5	1.3		1.8	1.6		-3,621.7	106.5		-21.7	0.6		0.7	1.8	
JMZPA2	25.8	0.7	0.7	15.2	-0.8	0.7	3,945.2	-0.7	0.1	23.0	-0.3	0.1	12.7	-1.4	1.2	
		7.7	1.6		-3.9	2.0		-1,532.8	26.7		-8.4	1.5		-6.9	1.6	
YM93AG	16.4	-0.2	0.1	19.5	0.1	0.0	5,418.0	0.0	0.1	67.9	1.2	0.0	25.7	1.2	0.1	
		-1.8	0.2		0.4	0.1		-60.1	32.9		36.5	0.5		6.2	0.1	
JDB3EY	25.2	0.7	0.5	13.1	-1.3	0.5	3,044.3	-1.2	0.4	17.2	-0.5	0.0	12.1	-1.5	0.2	
		7.1	1.3		-6.0	1.5		-2,433.7	142.8		-14.1	0.4		-7.5	0.2	
9P39J6	16.4	-0.2	0.1	19.6	0.1	0.1	5,388.3	0.0	0.1	68.4	1.2	0.1	25.4	1.2	0.3	
		-1.7	0.2		0.5	0.2		-89.7	50.3		37.0	1.2		5.9	0.4	
KJBZ3T	23.3	0.5	1.0	28.0	1.9	1.1	7,190.0	0.8	0.4	174.0	4.8	4.1	25.0	1.1	0.8	
		5.2	2.5		8.9	3.5		1,711.9	138.6		142.7	63.5		5.4	1.0	
3HG3JC	14.9	-0.3		11.7	-1.6		2,688.0	-1.3		50.7	0.7		8.5	-2.2		
		-3.3	0.0		-7.5	0.0		-2,790.1	0.0		19.4	0.0		-11.0	0.0	
VMZPEH	16.9	-0.1	0.5	19.2	0.0	0.3	7,799.6	1.1	2.8	34.7	0.1	0.3	19.6	0.0	1.2	
		-1.2	1.2		0.1	1.0		2,321.6	1,039.9		3.4	4.9		0.0	1.6	
E8KYJY	16.6	-0.2	0.1	18.5	-0.1	0.5	7,027.7	0.7	0.5	25.8	-0.2	0.1	16.2	-0.7	0.3	
		-1.6	0.2		-0.6	1.6		1,549.6	194.5		-5.6	1.4		-3.4	0.3	
XV4JLF	15.7	-0.2	0.0	17.1	-0.4	0.0	5,261.5	-0.1		25.2	-0.2	0.0	16.4	-0.6	0.0	
		-2.4	0.0		-2.0	0.0		-216.6	0.0		-6.1	0.0		-3.2	0.0	
T67A2M	30.8	1.2	0.5	16.9	-0.5	0.2	2,940.8	-1.2	0.3	129.6	3.3	0.6	15.9	-0.7	0.4	
		12.6	1.1		-2.2	0.5		-2,537.3	95.1		98.3	9.2		-3.7	0.5	
Q2DTBN	17.3	-0.1	0.5	14.9	-0.9	0.1	6,317.3	0.4	0.0	30.7	0.0	0.0	19.7	0.0	0.1	
		-0.8	1.2		-4.2	0.2		839.3	6.4		-0.6	0.3		0.2	0.2	
WWZ2MH	16.8	-0.1	0.0	21.2	0.4	0.0	3,434.0	-1.0		28.9	-0.1	0.0	21.2	0.3	0.0	
		-1.4	0.0		2.1	0.0		-2,044.1	0.0		-2.4	0.0		1.7	0.0	
GC6ZFU	14.1	-0.4	1.0	17.8	-0.3	0.2	5,478.1	0.0	0.3	33.4	0.1	0.1	20.3	0.2	2.1	
		-4.0	2.4		-1.3	0.5		0.0	110.5		2.1	2.3		0.8	2.8	
2RDHVB	53.7	3.4	4.6	25.3	1.3	1.0	5,391.7	0.0	0.5	85.3	1.8	1.7	25.0	1.1	0.8	
		35.5	11.1		6.2	3.1		-86.4	195.1		54.0	26.2		5.4	1.0	
YNEK8D	17.8	0.0	0.2	18.2	-0.2	0.1	6,406.9	0.4	0.3	53.3	0.7	2.9	16.7	-0.6	1.3	
		-0.3	0.4		-1.0	0.4		928.8	120.1		21.9	44.3		-2.9	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
BX698W	10.8	-0.7	0.4	17.7	-0.3	0.1	7,034.5	0.7	0.0	25.0	-0.2	0.0	16.1	-0.7	0.3
		-7.3	1.1		-1.4	0.4		1,556.4	17.4		-6.3	0.3		-3.4	0.4
7KWVN2	18.1	0.0	0.6	17.8	-0.3	0.1	4,217.7	-0.6	1.3	25.1	-0.2	0.2	14.2	-1.1	1.3
		0.0	1.5		-1.3	0.4		-1,260.4	482.4		-6.2	2.4		-5.3	1.7
9WKG82	19.2	0.1	0.1	13.0	-1.3	0.3	8,857.0	1.6	3.9	35.1	0.1	0.7	19.7	0.0	2.0
		1.1	0.3		-6.1	0.8		3,378.9	1,475.6		3.7	11.5		0.1	2.6
MAXQQK	23.0	0.5	0.8	22.1	0.6	0.5	5,414.3	0.0	0.2	83.7	1.8	0.2	18.7	-0.2	1.5
		4.9	2.0		3.0	1.6		-63.7	79.4		52.3	3.5		-0.8	1.9
MZTJBK	19.4	0.1	0.4	21.1	0.4	0.3	7,246.0	0.8	1.1	37.8	0.2	0.2	23.5	0.8	1.1
		1.2	0.9		2.0	0.9		1,767.9	409.8		6.5	2.9		3.9	1.5
6UNU32	26.4	0.8	0.9	19.1	0.0	0.1	6,356.5	0.4	0.4	22.9	-0.3	0.0	13.4	-1.2	0.3
		8.3	2.2		0.0	0.5		878.4	134.4		-8.4	0.3		-6.2	0.4
2YQUN2	21.0	0.3	0.4	23.4	0.9	0.3	8,191.9	1.3	0.5	31.4	0.0	0.1	21.9	0.5	1.2
		2.9	1.0		4.2	0.8		2,713.8	198.3		0.1	1.1		2.3	1.6
HX3QCL	11.7	-0.6	0.5	18.6	-0.1	0.3	7,299.9	0.9	0.2	31.3	0.0	0.3	18.0	-0.3	0.8
		-6.4	1.2		-0.5	1.0		1,821.8	67.4		0.0	4.7		-1.5	1.1
GF8XQM	20.0	0.2	0.4	132.7	23.7	0.8	5,727.3	0.1	0.2	27.3	-0.1	0.0	21.0	0.3	0.8
		1.9	1.0		113.6	2.5		249.3	58.7		-4.0	0.6		1.4	1.0
N6HFCF	23.4	0.5	0.8	31.4	2.6	4.9	6,831.0	0.6	0.9	29.7	-0.1	0.2	18.8	-0.1	2.0
		5.3	1.9		12.3	14.9		1,352.9	345.5		-1.7	3.3		-0.7	2.7
Grand Median		18.1			19.1			5,478.1			31.3			19.6	
Median Abs Dev		3.3			2.1			1,260.4			6.2			2.9	
Avg Within Lab SD		2.4			3.1			375.0			15.6			1.3	
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, Al (SubTestCode 164)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610				
BYXYDC	396.3	-0.6	0.9	1,023.6	-0.4	0.3	195.6	0.3	0.6	698.1	-1.0	2.1	778.2	-0.1	1.7		
		-58.7	19.3		-49.8	20.1		14.9	7.8		-99.7	77.9		-14.8	66.4		
UJH8JT	512.2	0.6	0.2	1,203.5	1.1	0.1	193.3	0.3	0.1	850.4	0.5	0.5	836.2	0.4	0.4		
		57.2	4.2		130.1	4.0		12.6	1.3		52.5	17.4		43.2	15.5		
WP3AEN	423.7	-0.3	0.5	1,073.3	0.0	0.6	184.1	0.1	0.6	832.3	0.3	0.8	752.9	-0.4	0.6		
		-31.3	10.3		0.0	45.6		3.4	8.6		34.4	31.6		-40.1	21.3		
KJBZ3T	450.0	0.0	1.9	1,043.3	-0.2	0.1	180.7	0.0	1.9	753.7	-0.4	1.1	807.7	0.1	1.3		
		-5.0	39.0		-30.0	5.8		0.0	25.0		-44.2	40.7		14.7	50.9		
E8KYJY	397.0	-0.6	0.4	937.0	-1.1	0.1	143.3	-0.9	0.0	650.0	-1.5	0.2	651.0	-1.3	0.3		
		-58.0	7.8		-136.3	8.2		-37.3	0.6		-147.9	8.5		-142.0	10.8		
WWZ2MH	414.3	-0.4	0.0	987.0	-0.7		137.3	-1.0	0.0	724.0	-0.7		793.0	0.0			
		-40.7	0.6		-86.3	0.0		-43.4	0.5		-73.9	0.0		0.0	0.0		
GC6ZFU	450.6	0.0	0.7	896.5	-1.5	1.0	157.0	-0.5	0.8	744.4	-0.5	0.3	722.3	-0.7	0.7		
		-4.4	15.1		-176.9	73.4		-23.7	10.4		-53.5	10.4		-70.7	27.6		
2RDHVB	513.3	0.6	0.9	1,161.0	0.7	0.6	189.7	0.2	1.0	843.0	0.4	1.3	797.0	0.0	1.2		
		58.3	18.9		87.7	43.6		9.0	13.1		45.1	48.7		4.0	47.8		
BX698W	520.2	0.6	0.4	1,093.2	0.2	0.2	202.0	0.5	0.4	799.0	0.0	0.4	794.1	0.0	0.4		
		65.2	9.1		19.9	11.3		21.3	5.2		1.2	14.1		1.1	13.7		
9WKG82	609.1	1.5	1.6	1,155.0	0.7	0.5	194.3	0.3	1.9	967.8	1.7	1.8	958.7	1.6	1.0		
		154.1	33.1		81.7	31.8		13.6	25.1		169.9	69.3		165.7	39.6		
MAXQQK	490.0	0.3	1.7	995.7	-0.6	0.3	171.7	-0.2	1.1	601.7	-1.9	0.6	600.0	-1.8	0.2		
		35.0	35.0		-77.7	22.2		-9.0	14.7		-196.2	22.4		-193.0	6.0		
MZTJBK	455.0	0.0	1.1	1,084.8	0.1	3.5	146.6	-0.8	0.9	805.8	0.1	1.2	986.6	1.8	2.4		
		0.0	22.1		11.5	244.2		-34.1	11.8		7.9	44.3		193.6	93.6		
6UNU32	115.8	-3.3	0.1	1,211.4	1.1	0.3	5.9	-4.0	0.0	828.3	0.3	0.2	834.1	0.4	0.1		
		-339.2	1.6		138.0	24.3		-174.8	0.2		30.5	7.1		41.1	3.7		
HX3QCL	455.7	0.0	0.4	952.0	-1.0	0.1	156.9	-0.6	0.5	797.9	0.0	0.3	760.5	-0.3	0.2		
		0.7	8.2		-121.4	9.0		-23.8	7.2		0.0	11.4		-32.5	8.7		
N6HFCF	589.7	1.3	1.5	1,145.0	0.6	0.7	197.0	0.4	1.8	728.3	-0.7	1.2	668.3	-1.2	0.8		
		134.7	31.6		71.7	52.6		16.3	24.9		-69.6	46.6		-124.7	30.1		
Grand Median		455.0		1,073.3			180.7			797.9			793.0				
Median Abs Dev		57.2		81.7			16.3			52.5			41.1				
Avg Within Lab SD		21.0		70.5			13.5			37.8			38.6				
Labs Included		15		15			15			15			15				
Labs Reporting		15		15			15			15			15				



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

Mehlich-3, Zn (SubTestCode 165)			in the Mehlich-3 Multi-Element Property Groups									Data units: mg/kg			
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
BYXYDC	5.18	-0.20	0.27	1.22	0.20	0.13	5.64	0.81	2.86	1.23	0.18	0.39	4.25	0.53	0.79
		-0.19	0.06		0.08	0.02		0.64	0.68		0.08	0.03		0.45	0.17
UJH8JT	5.94	0.61	0.18	1.04	-0.23	0.09	4.74	-0.33	0.44	1.02	-0.29	0.30	4.08	0.33	0.40
		0.57	0.04		-0.09	0.02		-0.26	0.10		-0.13	0.02		0.28	0.08
WPJ78M	44.00	41.01		1.40	0.65	0.62	5.40	0.51	0.42	1.43	0.65	0.74	4.67	1.03	0.55
		38.63	0.00		0.26	0.10		0.40	0.10		0.28	0.06		0.87	0.12
PDR4NU	5.83	0.49	1.31	1.00	-0.34		5.00	0.00		2.00	1.95		4.00	0.24	
		0.46	0.29		-0.14	0.00		0.00	0.00		0.85	0.00		0.20	0.00
WP3AEN	5.50	0.13	1.81	1.19	0.14	0.34	5.33	0.42	1.36	1.30	0.34	1.28	4.77	1.15	1.54
		0.13	0.40		0.06	0.06		0.33	0.32		0.15	0.10		0.97	0.32
JMZPA2	4.83	-0.58	1.42	1.84	1.73	2.03	5.75	0.95	0.79	1.69	1.24	0.07	2.97	-0.98	0.29
		-0.55	0.31		0.71	0.33		0.75	0.19		0.54	0.01		-0.83	0.06
YM93AG	5.12	-0.27	0.46	1.10	-0.09	0.12	4.94	-0.08	0.28	1.17	0.05	0.32	4.08	0.33	0.10
		-0.25	0.10		-0.04	0.02		-0.06	0.07		0.02	0.03		0.28	0.02
JDB3EY	4.82	-0.59	1.62	1.14	0.00	0.36	5.00	0.00	0.32	1.11	-0.08	0.39	3.68	-0.14	0.53
		-0.56	0.36		0.00	0.06		0.00	0.08		-0.04	0.03		-0.12	0.11
9P39J6	4.97	-0.42	0.05	1.11	-0.07	0.21	4.92	-0.10	0.26	1.15	0.00	0.46	4.07	0.33	0.26
		-0.40	0.01		-0.03	0.03		-0.08	0.06		0.00	0.04		0.27	0.06
KJBZ3T	6.00	0.67		1.33	0.48	3.57	5.00	0.00		1.00	-0.34		4.00	0.24	
		0.63	0.00		0.20	0.58		0.00	0.00		-0.15	0.00		0.20	0.00
3HG3JC	3.97	-1.49		0.74	-0.97		5.14	0.18		0.66	-1.12		1.75	-2.43	
		-1.40	0.00		-0.40	0.00		0.14	0.00		-0.49	0.00		-2.05	0.00
VMZPEH	5.37	0.00	1.99	1.30	0.39	1.87	5.27	0.34	2.71	1.22	0.17	2.19	4.16	0.42	2.87
		0.00	0.44		0.16	0.30		0.27	0.64		0.07	0.17		0.36	0.60
E8KYJY	4.90	-0.51	0.23	1.15	0.03	0.22	4.44	-0.71	0.64	1.13	-0.05	0.22	3.57	-0.27	0.17
		-0.48	0.05		0.01	0.04		-0.56	0.15		-0.02	0.02		-0.23	0.03
XV4JLF	4.71	-0.70	0.00	0.97	-0.41	0.00	4.56	-0.56	0.00	0.96	-0.44	0.00	3.53	-0.32	0.00
		-0.66	0.00		-0.17	0.00		-0.44	0.00		-0.19	0.00		-0.27	0.00
T67A2M	6.66	1.37	0.68	2.17	2.53	0.28	5.42	0.54	0.23	1.77	1.42	0.51	4.44	0.76	0.05
		1.29	0.15		1.03	0.05		0.42	0.06		0.62	0.04		0.64	0.01
Q2DTBN	4.93	-0.47	0.26	0.90	-0.57	0.07	4.83	-0.21	0.24	1.07	-0.19	0.74	3.81	0.02	0.07
		-0.44	0.06		-0.23	0.01		-0.17	0.06		-0.08	0.06		0.01	0.02
WWZ2MH	4.87	-0.53	0.00	1.35	0.52	0.00	5.38	0.49	0.00	1.23	0.17	0.00	4.12	0.39	0.00
		-0.50	0.00		0.21	0.00		0.38	0.00		0.08	0.00		0.33	0.00
GC6ZFU	5.62	0.26	0.83	1.26	0.30	0.81	4.89	-0.14	0.99	1.61	1.05	3.43	3.76	-0.05	1.66
		0.25	0.18		0.12	0.13		-0.11	0.23		0.46	0.27		-0.04	0.35
2RDHVB	5.65	0.29	1.41	0.77	-0.89	0.31	4.69	-0.40	0.52	0.81	-0.77	1.12	3.19	-0.72	0.99
		0.28	0.31		-0.36	0.05		-0.31	0.12		-0.34	0.09		-0.61	0.21
YNEK8D	5.54	0.18	0.41	0.72	-1.03	0.66	5.56	0.71	1.12	0.72	-0.97	1.14	3.02	-0.92	0.99
		0.17	0.09		-0.42	0.11		0.56	0.26		-0.43	0.09		-0.78	0.21



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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		
BX698W	5.87	0.53	0.32	1.08	-0.15	0.04	5.09	0.12	0.28	1.15	0.01	0.26	4.13	0.40	0.30
		0.50	0.07		-0.06	0.01		0.09	0.07		0.00	0.02		0.33	0.06
7KWVN2	3.63	-1.85	2.66	1.30	0.40	0.66	3.63	-1.74	1.24	1.34	0.43	0.75	2.80	-1.18	1.06
		-1.75	0.59		0.16	0.11		-1.37	0.29		0.19	0.06		-1.00	0.22
9WKG82	5.77	0.42	0.26	1.00	-0.34		5.07	0.08	0.98	1.13	-0.04	1.47	3.93	0.16	1.54
		0.39	0.06		-0.14	0.00		0.07	0.23		-0.02	0.12		0.13	0.32
MAXQQK	6.12	0.79	0.94	1.14	0.01	0.61	5.18	0.23	0.77	0.99	-0.37	0.80	3.18	-0.73	1.10
		0.75	0.21		0.00	0.10		0.18	0.18		-0.16	0.06		-0.62	0.23
MZTJBK	5.48	0.11	0.48	1.64	1.23	1.15	4.50	-0.64	0.83	1.64	1.12	1.47	4.61	0.96	1.16
		0.10	0.11		0.50	0.19		-0.50	0.20		0.49	0.12		0.81	0.24
6UNU32	5.02	-0.37	0.33	1.76	1.53	0.11	4.11	-1.12	0.03	1.91	1.74	0.27	3.80	0.00	0.08
		-0.35	0.07		0.62	0.02		-0.89	0.01		0.76	0.02		0.00	0.02
2YQUN2	5.61	0.26	0.51	0.59	-1.35	0.18	5.33	0.42	0.08	0.57	-1.33	0.35	3.13	-0.79	0.62
		0.24	0.11		-0.55	0.03		0.33	0.02		-0.58	0.03		-0.66	0.13
HX3QCL	5.65	0.30	0.53	1.33	0.48	0.32	6.15	1.46	0.33	1.56	0.95	0.48	3.71	-0.11	0.63
		0.28	0.12		0.20	0.05		1.15	0.08		0.41	0.04		-0.09	0.13
GF8XQM	1.23	-4.39	0.26	0.27	-2.12	0.16	1.13	-4.90	0.24	0.35	-1.84	0.27	0.93	-3.40	0.28
		-4.14	0.06		-0.86	0.03		-3.87	0.06		-0.80	0.02		-2.87	0.06
N6HFCF	4.64	-0.77	1.62	0.72	-1.03	2.16	3.51	-1.89	1.86	0.75	-0.91	0.79	2.72	-1.27	2.32
		-0.73	0.36		-0.42	0.35		-1.49	0.44		-0.40	0.06		-1.08	0.48
Grand Median		5.37			1.14			5.00			1.15			3.80	
Median Abs Dev		0.46			0.17			0.33			0.19			0.33	
Avg Within Lab SD		0.22			0.16			0.24			0.08			0.21	
Labs Included		29			29			29			29			29	
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		

Mehlich-3, Mn (SubTestCode 166)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
BYXYDC	138.1	0.1	1.3	19.7	0.2	0.3	147.2	0.1	0.1	79.7	0.3	2.0	26.3	0.6	1.3		
		3.9	7.3		0.9	0.3		2.7	1.0		5.4	8.6		4.2	2.4		
UJH8JT	162.7	0.9	0.4	19.9	0.3	0.3	153.7	0.2	0.2	84.8	0.6	0.1	22.1	0.0	0.1		
		28.5	2.0		1.2	0.4		9.2	1.7		10.5	0.4		0.0	0.2		
WPJ78M	45.0	-2.8	0.0	21.7	0.6	0.5	174.3	0.8	0.5	93.7	1.2	1.0	23.3	0.2	0.3		
		-89.2	0.0		2.9	0.6		29.9	3.5		19.3	4.2		1.2	0.6		
PDR4NU	150.0	0.5		20.0	0.3		163.3	0.5	0.4	90.0	0.9		30.0	1.2			
		15.8	0.0		1.2	0.0		18.9	2.9		15.7	0.0		7.9	0.0		
WP3AEN	140.7	0.2	3.0	21.9	0.7	0.9	146.2	0.0	0.6	93.4	1.1	0.5	22.9	0.1	1.1		
		6.5	17.1		3.2	1.1		1.8	4.3		19.1	2.3		0.7	2.0		
JMZPA2	125.3	-0.3	0.7	19.1	0.1	0.3	132.7	-0.3	0.4	62.2	-0.7	0.8	18.9	-0.5	0.6		
		-8.9	4.2		0.3	0.3		-11.8	2.9		-12.2	3.6		-3.3	1.0		
YM93AG	126.5	-0.2	0.1	15.8	-0.7	0.1	123.5	-0.5	0.3	71.7	-0.2	0.2	21.7	-0.1	0.1		
		-7.7	0.7		-3.0	0.1		-20.9	2.1		-2.7	0.8		-0.4	0.1		
JDB3EY	132.9	0.0	1.4	16.4	-0.5	0.7	154.2	0.3	0.2	71.9	-0.1	0.3	21.3	-0.1	0.4		
		-1.3	7.8		-2.4	0.8		9.8	1.7		-2.5	1.2		-0.8	0.7		
9P39J6	127.6	-0.2	0.1	15.8	-0.7	0.2	124.5	-0.5	0.2	71.5	-0.2	0.3	21.6	-0.1	0.2		
		-6.6	0.8		-3.0	0.2		-20.0	1.3		-2.9	1.3		-0.6	0.3		
KJBZ3T	158.0	0.7	0.6	20.7	0.4	0.5	160.0	0.4	0.5	79.7	0.3	0.9	24.0	0.3	0.5		
		23.8	3.5		1.9	0.6		15.6	3.6		5.3	4.0		1.9	1.0		
3HG3JC	101.9	-1.0		17.2	-0.4		77.4	-1.7		59.0	-0.9		11.6	-1.6			
		-32.3	0.0		-1.6	0.0		-67.0	0.0		-15.4	0.0		-10.6	0.0		
VMZPEH	152.6	0.6	2.1	19.4	0.1	1.6	170.0	0.7	3.6	88.2	0.8	3.3	25.8	0.6	2.6		
		18.4	11.8		0.7	1.9		25.6	27.4		13.9	14.6		3.7	4.9		
E8KYJY	123.0	-0.3		17.8	-0.2	0.3	126.0	-0.5	0.5	69.8	-0.3	0.3	17.1	-0.8	0.3		
		-11.2	0.0		-1.0	0.3		-18.4	3.6		-4.5	1.2		-5.0	0.6		
XV4JLF	132.0	-0.1		18.0	-0.2		130.3	-0.4	0.0	72.5	-0.1	0.0	20.7	-0.2	0.0		
		-2.2	0.0		-0.8	0.0		-14.1	0.0		-1.9	0.0		-1.5	0.0		
T67A2M	153.9	0.6	0.5	30.0	2.5	0.7	147.8	0.1	0.3	89.6	0.9	0.3	31.0	1.3	0.3		
		19.7	2.8		11.2	0.8		3.4	2.0		15.3	1.5		8.9	0.5		
Q2DTBN	82.7	-1.6	0.3	8.5	-2.3	0.0	82.9	-1.6	0.0	51.7	-1.4	0.0	12.7	-1.4	0.3		
		-51.5	1.5		-10.3	0.1		-61.6	0.1		-22.6	0.1		-9.5	0.6		
WWZ2MH	118.3	-0.5	0.1	20.2	0.3	0.0	146.0	0.0		74.3	0.0	0.0	23.9	0.3	0.0		
		-15.9	0.6		1.5	0.0		1.6	0.0		0.0	0.0		1.8	0.0		
GC6ZFU	134.2	0.0	0.5	14.7	-0.9	1.1	107.9	-0.9	0.9	73.9	0.0	0.2	18.3	-0.6	0.7		
		0.0	2.9		-4.1	1.3		-36.5	6.6		-0.4	0.7		-3.8	1.3		
2RDHVB	160.3	0.8	0.4	20.0	0.3	2.3	144.7	0.0	0.4	93.0	1.1	1.2	22.7	0.1	2.7		
		26.1	2.1		1.2	2.6		0.2	3.1		18.7	5.2		0.5	5.0		
BX698W	170.5	1.1	0.4	21.4	0.6	0.1	172.1	0.7	0.3	87.9	0.8	0.4	26.0	0.6	0.3		
		36.3	2.5		2.6	0.1		27.7	2.4		13.5	1.8		3.9	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
7KWVN2	114.7	-0.6	0.7	18.8	0.0	0.9	117.0	-0.7	0.5	60.1	-0.9	0.2	16.9	-0.8	0.5
		-19.5	4.0		0.0	1.0		-27.4	3.5		-14.2	0.8		-5.2	1.0
9WKG82	141.2	0.2	1.4	17.1	-0.4	2.5	136.2	-0.2	2.6	78.6	0.3	2.1	23.0	0.1	2.5
		7.0	7.9		-1.7	3.0		-8.2	19.5		4.3	9.0		0.8	4.6
MAXQQK	129.7	-0.1	1.2	13.7	-1.1	0.5	97.3	-1.2	0.6	61.7	-0.8	0.5	16.7	-0.8	0.6
		-4.5	6.8		-5.1	0.6		-47.1	4.2		-12.7	2.1		-5.5	1.2
MZTJBK	163.3	0.9	1.6	20.5	0.4	2.9	167.9	0.6	1.9	81.1	0.4	1.9	32.5	1.6	1.4
		29.1	9.0		1.7	3.4		23.5	14.3		6.7	8.4		10.3	2.6
6UNU32	85.3	-1.5	0.2	9.5	-2.0	0.2	23.2	-3.1	0.0	66.2	-0.5	0.1	8.9	-2.0	0.0
		-48.9	1.1		-9.2	0.3		-121.2	0.2		-8.1	0.5		-13.2	0.0
2YQUN2	156.3	0.7	0.4	20.8	0.4	0.7	171.2	0.7	0.7	83.8	0.6	0.2	24.1	0.3	0.7
		22.1	2.5		2.0	0.8		26.7	5.5		9.5	0.8		1.9	1.4
HX3QCL	137.4	0.1	1.0	18.6	0.0	0.5	144.4	0.0	0.6	85.0	0.6	0.3	22.3	0.0	0.2
		3.2	5.5		-0.2	0.6		0.0	4.3		10.6	1.4		0.2	0.5
GF8XQM	50.3	-2.6	0.1	7.7	-2.5	0.5	56.3	-2.3	0.2	25.3	-2.9	0.1	6.7	-2.3	0.3
		-83.9	0.6		-11.1	0.6		-88.1	1.2		-49.0	0.6		-15.5	0.6
N6HFCF	138.0	0.1	1.4	16.3	-0.5	0.6	119.0	-0.7	1.2	65.3	-0.5	0.9	15.8	-1.0	0.6
		3.8	7.8		-2.4	0.8		-25.4	9.0		-9.0	4.1		-6.4	1.2
Grand Median		134.2		18.8			144.4			74.3			22.1		
Median Abs Dev		15.9		1.9			20.0			10.5			3.7		
Avg Within Lab SD		5.6		1.2			7.5			4.4			1.8		
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, Fe (SubTestCode 167)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg	
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610				
BYXYDC	29.2	0.3	0.7	305.8	0.2	0.3	65.1	0.7	0.9	118.1	0.6	0.8	177.0	0.9	1.6		
		2.1	1.5		16.4	4.7		10.8	3.1		15.1	5.9		28.2	15.1		
UJH8JT	23.8	-0.5	0.1	273.2	-0.2	0.1	47.6	-0.5	0.1	103.0	0.0	0.3	146.4	-0.1	0.1		
		-3.4	0.2		-16.2	1.0		-6.7	0.2		0.0	2.4		-2.4	0.6		
WPJ78M	46.0	2.6		298.0	0.1	0.2	65.3	0.8	0.2	109.7	0.3	0.4	153.3	0.1	0.2		
		18.8	0.0		8.6	2.6		11.1	0.6		6.6	2.9		4.5	2.3		
WP3AEN	27.3	0.0	0.7	322.0	0.5	1.3	63.4	0.6	0.9	123.7	0.8	1.3	153.3	0.1	0.8		
		0.1	1.6		32.6	18.5		9.1	3.2		20.7	10.2		4.4	7.2		
JMZPA2	24.9	-0.3	0.7	263.9	-0.4	0.1	63.6	0.6	0.4	94.2	-0.3	0.3	129.2	-0.7	0.1		
		-2.3	1.5		-25.5	1.4		9.3	1.4		-8.8	2.2		-19.7	0.9		
YM93AG	18.7	-1.2	0.1	230.2	-0.9	0.1	40.1	-1.0	0.1	84.4	-0.7	0.0	141.4	-0.2	0.1		
		-8.5	0.2		-59.2	1.6		-14.2	0.2		-18.7	0.1		-7.5	0.7		
JDB3EY	24.8	-0.3	0.7	278.1	-0.2	1.0	53.6	0.0	0.1	93.1	-0.4	0.3	146.7	-0.1	0.1		
		-2.4	1.6		-11.3	15.1		-0.7	0.4		-9.9	2.3		-2.2	1.0		
9P39J6	18.7	-1.2	0.1	230.4	-0.8	0.1	40.5	-1.0	0.3	84.6	-0.7	0.0	141.2	-0.3	0.1		
		-8.5	0.2		-59.0	0.8		-13.8	0.9		-18.4	0.3		-7.6	1.2		
KJBZ3T	27.3	0.0	1.1	330.3	0.6	1.1	56.0	0.1	0.8	111.0	0.3	0.9	158.3	0.3	0.4		
		0.2	2.3		40.9	15.3		1.7	2.6		8.0	7.0		9.5	4.0		
3HG3JC	23.8	-0.5		250.1	-0.6		43.1	-0.8		66.2	-1.4		72.1	-2.5			
		-3.4	0.0		-39.3	0.0		-11.2	0.0		-36.8	0.0		-76.7	0.0		
VMZPEH	28.0	0.1	0.8	352.2	0.9	1.0	54.1	0.0	2.7	123.0	0.8	3.8	178.5	1.0	3.6		
		0.9	1.8		62.7	14.1		-0.1	9.2		20.0	28.8		29.6	33.2		
E8KYJY	20.1	-1.0	0.9	263.7	-0.4	0.2	42.6	-0.8	0.9	83.8	-0.7	0.1	121.7	-0.9	0.4		
		-7.0	2.0		-25.7	2.9		-11.6	3.2		-19.2	0.7		-27.2	3.5		
XV4JLF	23.9	-0.4	0.0	285.7	-0.1	0.0	56.3	0.1		94.8	-0.3	0.0	134.5	-0.5	0.0		
		-3.2	0.0		-3.7	0.0		2.0	0.0		-8.3	0.0		-14.4	0.0		
T67A2M	42.8	2.1	0.7	338.1	0.7	0.8	86.8	2.2	0.5	125.5	0.9	0.5	168.2	0.6	0.5		
		15.7	1.5		48.7	11.6		32.5	1.7		22.5	3.8		19.3	5.0		
Q2DTBN	30.7	0.5	0.1	240.0	-0.7	0.1	62.3	0.6	0.2	123.7	0.8	0.2	177.7	1.0	0.2		
		3.5	0.3		-49.4	2.0		8.1	0.6		20.6	1.5		28.8	2.1		
WWZ2MH	29.1	0.3	0.0	356.0	1.0		57.3	0.2	0.0	103.0	0.0		151.0	0.1			
		1.9	0.1		66.6	0.0		3.1	0.0		0.0	0.0		2.2	0.0		
GC6ZFU	27.8	0.1	0.4	287.0	0.0	0.5	51.3	-0.2	0.8	115.0	0.5	0.2	142.0	-0.2	0.7		
		0.6	1.0		-2.4	7.8		-3.0	2.6		12.0	1.5		-6.8	6.3		
2RDHVB	35.0	1.1	4.1	400.7	1.6	1.3	58.3	0.3	2.2	139.0	1.4	2.1	155.3	0.2	1.4		
		7.8	8.9		111.3	18.2		4.1	7.5		36.0	16.1		6.5	12.9		
BX698W	30.0	0.4	0.2	328.3	0.6	0.4	59.1	0.3	0.3	116.1	0.5	0.2	161.9	0.4	0.2		
		2.9	0.5		38.9	5.6		4.9	1.1		13.1	1.4		13.0	1.9		
7KWVN2	29.2	0.3	1.5	366.0	1.1	1.7	58.5	0.3	1.9	94.4	-0.3	1.1	133.3	-0.5	1.3		
		2.0	3.3		76.6	24.0		4.3	6.4		-8.6	8.5		-15.6	12.5		



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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
9WKG82	34.5	1.0	1.2	354.9	0.9	3.2	56.0	0.1	1.6	128.4	1.0	1.2	154.3	0.2	1.8
		7.3	2.6		65.5	45.5		1.8	5.3		25.4	8.8		5.5	16.7
MAXQQK	24.0	-0.4	0.5	225.0	-0.9	0.3	39.7	-1.0	1.0	75.0	-1.1	0.2	99.0	-1.6	0.6
		-3.2	1.0		-64.4	4.6		-14.6	3.5		-28.0	1.7		-49.9	5.6
MZTJBK	24.4	-0.4	0.9	291.8	0.0	2.4	50.2	-0.3	1.6	90.8	-0.5	1.2	161.4	0.4	1.4
		-2.8	1.9		2.4	34.3		-4.1	5.4		-12.3	8.8		12.6	13.1
6UNU32	14.6	-1.7	0.1	167.2	-1.8	0.2	9.3	-3.1	0.0	96.5	-0.3	0.1	123.7	-0.8	0.0
		-12.6	0.3		-122.2	3.3		-45.0	0.2		-6.5	0.9		-25.1	0.3
2YQUN2	24.9	-0.3	0.3	374.4	1.2	0.5	54.4	0.0	0.5	122.4	0.8	0.7	159.6	0.4	0.8
		-2.3	0.7		84.9	6.8		0.1	1.8		19.4	4.9		10.7	7.8
HX3QCL	27.0	0.0	0.1	308.4	0.3	0.1	50.9	-0.2	0.2	112.3	0.4	0.1	155.5	0.2	0.4
		-0.1	0.2		19.0	1.8		-3.4	0.8		9.3	0.8		6.7	3.9
GF8XQM	12.7	-2.0	0.3	143.0	-2.1		20.7	-2.3	0.2	37.7	-2.5	0.1	50.7	-3.2	0.1
		-14.5	0.6		-146.4	0.0		-33.6	0.6		-65.4	0.6		-98.2	0.6
N6HFCF	27.3	0.0	0.6	276.3	-0.2	1.2	45.4	-0.6	1.0	87.5	-0.6	0.6	112.7	-1.2	0.7
		0.2	1.3		-13.1	17.2		-8.9	3.5		-15.5	4.7		-36.2	6.7
Grand Median		27.2		289.4			54.3			103.0			148.9		
Median Abs Dev		3.0		40.1			7.4			15.3			12.8		
Avg Within Lab SD		2.1		14.4			3.4			7.6			9.3		
Labs Included		28		28			28			28			28		
Labs Reporting		28		28			28			28			28		



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

Mehlich-3, Cu (SubTestCode 168)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
BYXYDC	1.59	-0.28	0.56	0.80	-0.18	0.36	2.72	0.37	0.77	0.95	-0.05	0.76	2.87	0.49	0.59		
		-0.07	0.05		-0.05	0.02		0.16	0.07		-0.01	0.06		0.22	0.06		
UJH8JT	1.77	0.41	0.58	1.23	1.28	0.27	2.74	0.40	0.28	1.11	0.78	0.42	2.90	0.55	0.83		
		0.11	0.05		0.38	0.02		0.18	0.03		0.15	0.03		0.25	0.08		
WPJ78M	2.00	1.29	0.00	0.93	0.28	1.00	2.87	0.70	0.63	1.00	0.19	0.00	3.10	0.99	1.06		
		0.33	0.00		0.08	0.06		0.31	0.06		0.04	0.00		0.45	0.10		
PDR4NU	2.00	1.29	0.00	1.00	0.51	0.00	3.00	1.01	0.00	1.00	0.19	0.00	3.00	0.77	0.00		
		0.33	0.00		0.15	0.00		0.44	0.00		0.04	0.00		0.35	0.00		
WP3AEN	1.57	-0.39	1.42	0.95	0.35	1.65	2.57	0.03	1.48	1.11	0.75	0.56	2.40	-0.54	1.06		
		-0.10	0.12		0.10	0.10		0.01	0.14		0.14	0.04		-0.25	0.10		
JMZPA2	1.60	-0.26	1.21	0.89	0.15	0.50	2.71	0.34	0.19	0.84	-0.65	0.86	2.37	-0.60	0.44		
		-0.07	0.10		0.04	0.03		0.15	0.02		-0.12	0.06		-0.27	0.04		
YM93AG	1.47	-0.77	0.26	0.85	0.00	0.17	2.40	-0.37	0.17	0.81	-0.78	0.21	2.72	0.15	0.16		
		-0.20	0.02		0.00	0.01		-0.16	0.02		-0.15	0.02		0.07	0.02		
JDB3EY	1.62	-0.18	1.39	0.85	0.01	0.82	2.78	0.50	1.15	0.91	-0.26	0.71	2.65	0.00	0.93		
		-0.05	0.11		0.00	0.05		0.22	0.11		-0.05	0.05		0.00	0.09		
9P39J6	1.48	-0.72	0.33	0.83	-0.07	0.13	2.36	-0.47	1.10	0.83	-0.70	0.14	2.77	0.27	0.28		
		-0.19	0.03		-0.02	0.01		-0.20	0.10		-0.13	0.01		0.12	0.03		
KJBZ3T	2.00	1.29	0.00	1.00	0.51	0.00	3.00	1.01	0.00	1.00	0.19	0.00	3.00	0.77	0.00		
		0.33	0.00		0.15	0.00		0.44	0.00		0.04	0.00		0.35	0.00		
3HG3JC	1.40	-1.03	0.00	0.82	-0.10	0.00	1.83	-1.67	0.00	0.76	-1.06	0.00	1.38	-2.77	0.00		
		-0.27	0.00		-0.03	0.00		-0.73	0.00		-0.20	0.00		-1.27	0.00		
VMZPEH	1.98	1.22	3.09	1.03	0.62	1.58	3.06	1.15	3.65	1.24	1.43	2.38	3.19	1.18	2.96		
		0.32	0.25		0.18	0.09		0.50	0.33		0.27	0.17		0.54	0.28		
E8KYJY	1.58	-0.33	0.65	1.26	1.40	1.18	2.00	-1.29	0.64	1.05	0.44	1.65	2.48	-0.36	0.75		
		-0.09	0.05		0.41	0.07		-0.56	0.06		0.08	0.12		-0.16	0.07		
XV4JLF	1.78	0.44	0.00	1.15	1.02	0.00	2.45	-0.25	0.00	1.10	0.72	0.00	2.62	-0.06	0.00		
		0.11	0.00		0.30	0.00		-0.11	0.00		0.14	0.00		-0.03	0.00		
T67A2M	1.90	0.90	0.00	1.10	0.85	1.39	2.49	-0.15	0.28	1.06	0.51	0.69	2.90	0.55	0.06		
		0.23	0.00		0.25	0.08		-0.07	0.03		0.10	0.05		0.25	0.01		
Q2DTBN	1.67	0.00	1.42	0.84	-0.05	0.40	2.27	-0.67	0.63	1.02	0.30	0.97	2.73	0.19	0.61		
		0.00	0.12		-0.01	0.02		-0.29	0.06		0.06	0.07		0.09	0.06		
WWZ2MH	1.62	-0.18	0.01	0.86	0.02	0.00	2.72	0.36	0.00	0.97	0.05	0.00	2.71	0.14	0.00		
		-0.05	0.00		0.01	0.00		0.16	0.00		0.01	0.00		0.06	0.00		
GC6ZFU	1.53	-0.54	0.40	0.63	-0.73	0.86	2.47	-0.21	0.29	0.94	-0.10	0.21	2.67	0.05	0.21		
		-0.14	0.03		-0.22	0.05		-0.09	0.03		-0.02	0.02		0.02	0.02		
2RDHVB	1.36	-1.20	1.76	0.19	-2.22	2.41	1.86	-1.61	0.44	0.90	-0.31	0.71	1.94	-1.55	1.54		
		-0.31	0.14		-0.66	0.14		-0.70	0.04		-0.06	0.05		-0.71	0.14		
YNEK8D	1.62	-0.17	0.35	0.51	-1.15	0.32	2.65	0.21	0.25	0.47	-2.56	0.39	2.14	-1.11	0.36		
		-0.04	0.03		-0.34	0.02		0.09	0.02		-0.49	0.03		-0.51	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		
BX698W	2.11	1.71	1.16	1.09	0.81	0.73	3.17	1.39	0.84	1.21	1.30	0.51	3.05	0.89	1.30
		0.44	0.09		0.24	0.04		0.61	0.08		0.25	0.04		0.41	0.12
7KWVN2	1.74	0.30	0.47	1.18	1.11	0.96	2.56	0.00	0.33	1.33	1.92	2.03	2.37	-0.61	0.22
		0.08	0.04		0.33	0.06		0.00	0.03		0.37	0.15		-0.28	0.02
9WKG82	1.93	1.03	0.71	0.50	-1.19	1.74	2.67	0.24	0.63	0.97	0.02	2.11	2.83	0.41	2.22
		0.27	0.06		-0.35	0.10		0.11	0.06		0.00	0.15		0.19	0.21
MAXQQK	1.87	0.80	0.72	0.82	-0.09	1.72	2.37	-0.44	0.81	0.80	-0.84	0.76	2.05	-1.30	0.61
		0.21	0.06		-0.03	0.10		-0.19	0.07		-0.16	0.06		-0.59	0.06
MZTJBK	2.01	1.33	1.75	1.47	2.11	1.23	2.74	0.40	1.88	1.34	1.95	2.32	3.13	1.06	1.83
		0.34	0.14		0.62	0.07		0.18	0.17		0.37	0.17		0.49	0.17
6UNU32	1.50	-0.63	0.21	0.30	-1.86	0.08	1.13	-3.28	0.11	0.90	-0.34	0.08	2.37	-0.60	0.05
		-0.16	0.02		-0.55	0.00		-1.43	0.01		-0.06	0.01		-0.27	0.00
2YQUN2	1.77	0.39	0.60	0.77	-0.28	0.14	2.87	0.71	0.80	0.83	-0.68	0.21	2.39	-0.57	0.10
		0.10	0.05		-0.08	0.01		0.31	0.07		-0.13	0.02		-0.26	0.01
HX3QCL	1.68	0.05	0.43	0.70	-0.51	1.09	2.50	-0.15	0.79	0.96	0.00	0.52	2.65	0.00	0.64
		0.01	0.03		-0.15	0.06		-0.06	0.07		0.00	0.04		0.00	0.06
GF8XQM	0.63	-3.99	0.71	0.43	-1.41	1.00	0.93	-3.73	0.63	0.33	-3.30	0.80	0.97	-3.68	0.61
		-1.03	0.06		-0.42	0.06		-1.63	0.06		-0.63	0.06		-1.68	0.06
N6HFCF	1.78	0.45	1.06	0.82	-0.11	1.13	2.50	-0.14	1.37	0.87	-0.49	1.02	2.18	-1.02	1.23
		0.12	0.09		-0.03	0.06		-0.06	0.12		-0.09	0.07		-0.47	0.12
Grand Median		1.67		0.85			2.56			0.96			2.65		
Median Abs Dev		0.14		0.15			0.18			0.10			0.26		
Avg Within Lab SD		0.08		0.06			0.09			0.07			0.09		
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, B (SubTestCode 169)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
BYXYDC	1.27	0.17	1.45	0.25	-0.25	0.17	3.45	0.03	0.70	0.17	-0.50	0.38	0.26	-0.38	0.23		
		0.04	0.07		-0.07	0.01		0.03	0.09		-0.07	0.02		-0.08	0.01		
UJH8JT	1.04	-0.87	0.16	0.44	0.38	0.07	0.15	-3.03	0.00	0.15	-0.70	0.01	0.29	-0.21	0.10		
		-0.19	0.01		0.11	0.00		-3.28	0.00		-0.10	0.00		-0.04	0.00		
WPJ78M	1.87	2.92	1.19	1.30	3.32	3.43	3.83	0.38	1.25	0.93	5.05	2.91	0.97	3.24	1.33		
		0.64	0.06		0.98	0.20		0.41	0.15		0.69	0.12		0.63	0.06		
WP3AEN	0.98	-1.16	0.63	0.48	0.52	0.55	2.27	-1.06	1.27	0.36	0.89	0.81	0.43	0.50	1.41		
		-0.25	0.03		0.15	0.03		-1.15	0.16		0.12	0.03		0.10	0.06		
JMZPA2	1.22	-0.06	0.97	0.28	-0.16	0.20	3.19	-0.22	2.12	0.22	-0.18	0.63	0.31	-0.15	0.58		
		-0.01	0.05		-0.05	0.01		-0.24	0.26		-0.03	0.03		-0.03	0.03		
YM93AG	1.21	-0.08	0.66	0.32	-0.02	0.26	3.54	0.11	0.31	0.24	-0.01	0.25	0.46	0.62	0.35		
		-0.02	0.03		-0.01	0.02		0.12	0.04		0.00	0.01		0.12	0.02		
JDB3EY	0.91	-1.47	0.41	0.50	0.61	0.20	2.59	-0.77	0.65	0.24	0.01	0.38	0.39	0.27	0.27		
		-0.32	0.02		0.18	0.01		-0.83	0.08		0.00	0.02		0.05	0.01		
9P39J6	1.24	0.03	1.55	0.32	0.00	0.26	3.58	0.15	0.87	0.25	0.06	0.25	0.45	0.61	0.58		
		0.01	0.08		0.00	0.02		0.16	0.11		0.01	0.01		0.12	0.03		
KJBZ3T	1.23	0.02	1.19				3.67	0.23	1.25	0.10	-1.03		0.10	-1.21	0.00		
		0.00	0.06					0.25	0.15		-0.14	0.00		-0.24	0.00		
3HG3JC	1.25	0.09		0.41	0.29		2.70	-0.67		0.35	0.79		0.36	0.13			
		0.02	0.00		0.09	0.00		-0.72	0.00		0.11	0.00		0.03	0.00		
VMZPEH	1.26	0.12	0.86	0.30	-0.07	0.55	3.94	0.48	0.22	0.26	0.13	1.26	0.41	0.37	0.81		
		0.03	0.04		-0.02	0.03		0.52	0.03		0.02	0.05		0.07	0.04		
E8KYJY	1.23	0.00	1.69	0.31	-0.03	1.76	3.39	-0.03	0.65	0.16	-0.60	1.31	0.22	-0.61	3.15		
		0.00	0.08		-0.01	0.10		-0.03	0.08		-0.08	0.05		-0.12	0.14		
XV4JLF	1.33	0.46	0.00	0.21	-0.38	0.00	3.50	0.07		0.16	-0.60	0.00	0.31	-0.13	0.00		
		0.10	0.00		-0.11	0.00		0.08	0.00		-0.08	0.00		-0.03	0.00		
T67A2M	1.16	-0.32	1.28	0.52	0.68	1.29	2.06	-1.26	0.37	0.37	0.91	1.89	0.31	-0.15	1.50		
		-0.07	0.06		0.20	0.08		-1.37	0.05		0.13	0.08		-0.03	0.07		
WWZ2MH	1.07	-0.71	0.08	0.72	1.34	0.00	3.37	-0.05	0.00	0.32	0.59	0.00	0.52	0.93	0.00		
		-0.16	0.00		0.39	0.00		-0.05	0.00		0.08	0.00		0.18	0.00		
GC6ZFU	1.26	0.15	0.66	0.28	-0.16	1.05	3.65	0.21	0.61	0.21	-0.23	0.50	0.27	-0.32	0.67		
		0.03	0.03		-0.05	0.06		0.23	0.08		-0.03	0.02		-0.06	0.03		
2RDHVB	0.83	-1.84	1.49	0.30	-0.08	0.17	2.67	-0.69	0.74	0.21	-0.23	1.15	0.13	-1.05	0.23		
		-0.40	0.07		-0.02	0.01		-0.75	0.09		-0.03	0.05		-0.21	0.01		
BX698W	1.59	1.65	0.65	0.20	-0.43	0.19	4.28	0.79	0.44	0.13	-0.83	0.19	0.29	-0.24	0.28		
		0.36	0.03		-0.13	0.01		0.85	0.05		-0.11	0.01		-0.05	0.01		
7KWVN2	1.16	-0.31	0.48	0.38	0.20	1.24	2.67	-0.70	1.63	0.18	-0.47	0.88	0.30	-0.16	1.50		
		-0.07	0.02		0.06	0.07		-0.75	0.20		-0.07	0.04		-0.03	0.07		
9WKG82	1.53	1.39	1.60	0.21	-0.37	0.94	3.82	0.37	1.81	0.16	-0.57	1.29	0.30	-0.18	1.67		
		0.30	0.08		-0.11	0.06		0.40	0.22		-0.08	0.05		-0.04	0.07		



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
6UNU32	1.05	-0.83	0.05	0.57	0.84	0.27	1.69	-1.60	0.12	0.39	1.09	0.55	0.49	0.80	0.15
		-0.18	0.00		0.25	0.02		-1.73	0.01		0.15	0.02		0.16	0.01
HX3QCL	1.34	0.49	1.02	0.32	0.00	0.36	3.75	0.30	0.24	0.25	0.04	0.38	0.37	0.20	0.27
		0.11	0.05		0.00	0.02		0.33	0.03		0.01	0.02		0.04	0.01
GF8XQM	1.00	-1.06		1.57	4.22	0.99	0.87	-2.37	0.47	0.27	0.18	1.45	1.00	3.41	
		-0.23	0.00		1.24	0.06		-2.56	0.06		0.03	0.06		0.67	0.00
N6HFCF	1.23	0.00	1.61	0.66	1.15	0.94	4.09	0.62	2.25	0.31	0.48	0.75	0.40	0.33	0.88
		0.00	0.08		0.34	0.06		0.67	0.28		0.07	0.03		0.06	0.04
Grand Median		1.23			0.32			3.42			0.24			0.34	
Median Abs Dev		0.08			0.11			0.47			0.07			0.07	
Avg Within Lab SD		0.05			0.06			0.12			0.04			0.04	
Labs Included		24			23			24			24			24	
Labs Reporting		24			23			24			24			24	



ALP Program - Participant Web Summary Report - Cycle 30

Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	1.38	-0.73	0.01	0.23	-0.48	0.01	0.77	-1.62	0.19	0.29	-0.62	0.05	0.78	-0.61	0.79	
		-0.28	0.00		-0.07	0.00		-0.59	0.02		-0.11	0.01		-0.22	0.09	
2V9A2L	1.90	0.62	0.11	0.21	-0.57	0.04	1.59	0.63	0.18	0.31	-0.53	0.00	0.84	-0.45	0.09	
		0.24	0.02		-0.09	0.01		0.23	0.02		-0.09	0.00		-0.16	0.01	
9G9ZXE	1.65	-0.03	0.32	0.26	-0.26	0.20	1.50	0.39	0.42	0.36	-0.23	0.44	0.81	-0.52	1.30	
		-0.01	0.06		-0.04	0.03		0.14	0.05		-0.04	0.04		-0.19	0.14	
7LQLUF	1.66	0.00	0.25	0.26	-0.27	0.11	1.29	-0.18	0.61	0.47	0.40	0.17	1.52	1.42	0.40	
		0.00	0.05		-0.04	0.02		-0.07	0.07		0.07	0.02		0.52	0.04	
ETFYA8	1.62	-0.10	0.47	0.33	0.22	0.14	1.36	0.00	0.36	0.47	0.42	0.31	1.43	1.18	0.43	
		-0.04	0.09		0.03	0.02		0.00	0.04		0.07	0.03		0.43	0.05	
WN8QDL	2.30	1.67	0.18	0.37	0.45	0.08	1.58	0.60	0.43	0.47	0.44	0.11	1.01	0.03	0.17	
		0.64	0.03		0.07	0.01		0.22	0.05		0.07	0.01		0.01	0.02	
QHLKDT	2.78	2.91	4.79	0.86	3.69	1.23	1.77	1.10	2.35	0.94	3.18	2.52	2.55	4.24	2.72	
		1.12	0.89		0.56	0.19		0.41	0.27		0.54	0.25		1.55	0.30	
NM37AU	1.77	0.27	0.31	0.30	0.00	0.00	1.47	0.29	0.49	0.53	0.78	0.59	1.07	0.17	0.53	
		0.10	0.06		0.00	0.00		0.11	0.06		0.13	0.06		0.06	0.06	
LU92FX	2.00	0.89	3.00	0.78	3.14	5.24	0.97	-1.05	4.85	0.75	2.05	4.92	0.94	-0.16	3.98	
		0.34	0.56		0.48	0.81		-0.39	0.57		0.35	0.49		-0.06	0.44	
9JB2YB	2.14	1.24	0.37	0.50	1.33	0.29	1.91	1.49	0.30	0.72	1.88	0.27	1.42	1.13	0.19	
		0.48	0.07		0.20	0.05		0.55	0.04		0.32	0.03		0.41	0.02	
PD8M9Q	2.00	0.88	0.54	0.37	0.44	0.38	1.60	0.65	0.86	0.40	0.00	0.00	1.03	0.08	0.53	
		0.34	0.10		0.07	0.06		0.24	0.10		0.00	0.00		0.03	0.06	
4XUXCD	1.58	-0.21	0.16	0.31	0.09	0.04	1.33	-0.07	0.49	0.50	0.57	0.06	1.13	0.36	0.53	
		-0.08	0.03		0.01	0.01		-0.03	0.06		0.10	0.01		0.13	0.06	
Z9LAXF	1.41	-0.67	0.11	0.06	-1.59	0.04	1.22	-0.37	0.32	0.08	-1.89	0.06	0.74	-0.72	0.36	
		-0.26	0.02		-0.24	0.01		-0.14	0.04		-0.32	0.01		-0.26	0.04	
ZTQT9G	1.97	0.81	0.59	0.42	0.81	0.15	1.73	1.00	0.40	0.54	0.84	0.15	1.22	0.59	0.48	
		0.31	0.11		0.12	0.02		0.37	0.05		0.14	0.02		0.22	0.05	
HML4ZY	1.50	-0.43		0.30	0.00	0.00	1.60	0.65	0.86	0.30	-0.59	0.00	1.00	-0.01	0.91	
		-0.16	0.00		0.00	0.00		0.24	0.10		-0.10	0.00		0.00	0.10	
JDB3EY	2.16	1.30	0.90	0.51	1.37	0.17	2.24	2.39	0.31	0.50	0.57	0.15	1.65	1.76	0.43	
		0.50	0.17		0.21	0.03		0.88	0.04		0.10	0.02		0.64	0.05	
3HG3JC	1.32	-0.90		0.31	0.07		0.93	-1.17		0.22	-1.05		0.57	-1.19		
		-0.34	0.00		0.01	0.00		-0.43	0.00		-0.18	0.00		-0.43	0.00	
VMZPEH	0.98	-1.78	0.41	0.16	-0.90	0.31	0.87	-1.33	0.35	0.28	-0.72	1.09	0.78	-0.62	0.88	
		-0.68	0.08		-0.14	0.05		-0.49	0.04		-0.12	0.11		-0.23	0.10	
2ZLAYD	1.90	0.62	0.00	0.25	-0.33	0.11	1.80	1.20	0.00	0.38	-0.12	0.10	0.86	-0.38	0.26	
		0.24	0.00		-0.05	0.02		0.44	0.00		-0.02	0.01		-0.14	0.03	
9GTK67	1.68	0.05	0.21	0.34	0.27	0.05	1.71	0.94	0.07	0.46	0.32	0.08	1.16	0.42	0.22	
		0.02	0.04		0.04	0.01		0.35	0.01		0.06	0.01		0.15	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
Q2DTBN	1.31	-0.91	0.22	0.26	-0.28	0.04	1.10	-0.72	0.20	0.41	0.08	0.12	1.39	1.06	0.24
		-0.35	0.04		-0.04	0.01		-0.26	0.02		0.01	0.01		0.39	0.03
2RDHVB	1.92	0.68	0.81	0.23	-0.44	0.47	1.47	0.30	1.58	0.35	-0.29	0.88	1.00	0.00	1.70
		0.26	0.15		-0.07	0.07		0.11	0.19		-0.05	0.09		0.00	0.19
6J7BH6	1.35	-0.82	0.20	0.15	-0.99	0.41	1.19	-0.48	0.48	0.30	-0.57	0.37	1.02	0.05	0.23
		-0.32	0.04		-0.15	0.06		-0.18	0.06		-0.10	0.04		0.02	0.02
ZT92XC	1.96	0.77	0.45	0.30	-0.02	0.42	1.65	0.80	0.36	0.31	-0.51	0.15	0.93	-0.19	0.47
		0.29	0.08		0.00	0.06		0.29	0.04		-0.09	0.02		-0.07	0.05
YNEK8D	1.42	-0.63	2.15	1.48	7.72	0.39	0.36	-2.73	0.18	1.54	6.67	1.23	0.40	-1.65	0.19
		-0.24	0.40		1.18	0.06		-1.00	0.02		1.14	0.12		-0.60	0.02
V3RMFD	1.52	-0.36	0.33	0.36	0.38	0.26	1.45	0.23	0.74	0.56	0.93	0.22	1.59	1.59	0.18
		-0.14	0.06		0.06	0.04		0.08	0.09		0.16	0.02		0.58	0.02
PZ7RCJ	1.76	0.26	0.03	0.26	-0.25	0.01	1.33	-0.09	0.12	0.34	-0.35	0.04	0.91	-0.27	0.07
		0.10	0.01		-0.04	0.00		-0.03	0.01		-0.06	0.00		-0.10	0.01
RF99BG	1.50	-0.43		0.23	-0.48	0.04	1.10	-0.71	0.00	0.32	-0.49	0.33	0.84	-0.44	0.45
		-0.16	0.00		-0.07	0.01		-0.26	0.00		-0.08	0.03		-0.16	0.05
K4H7TN	1.40	-0.69	0.00	0.23	-0.44	0.38	1.30	-0.16	0.00	0.37	-0.20	0.59	0.90	-0.28	0.00
		-0.26	0.00		-0.07	0.06		-0.06	0.00		-0.03	0.06		-0.10	0.00
Y26GAB	1.73	0.18	0.09	0.32	0.11	0.01	1.23	-0.35	0.07	0.33	-0.40	0.13	1.16	0.42	0.12
		0.07	0.02		0.02	0.00		-0.13	0.01		-0.07	0.01		0.15	0.01
4TXAV7	1.79	0.33		0.41	0.72		1.46	0.27		0.51	0.64		1.01	0.02	
		0.13	0.00		0.11	0.00		0.10	0.00		0.11	0.00		0.01	0.00
EJR4AR	1.37	-0.77	0.31	0.13	-1.09	0.38	1.10	-0.71	0.00	0.20	-1.17	0.00	0.63	-1.01	0.53
		-0.30	0.06		-0.17	0.06		-0.26	0.00		-0.20	0.00		-0.37	0.06
ACVHGX	3.97	6.03	0.72	0.89	3.88	0.72	2.24	2.39	4.65	1.10	4.08	0.83	2.33	3.63	1.27
		2.31	0.13		0.59	0.11		0.88	0.54		0.70	0.08		1.33	0.14
6UNU32	1.64	-0.06	0.05	0.21	-0.56	0.06	1.54	0.50	0.82	0.44	0.21	0.64	0.83	-0.48	0.52
		-0.02	0.01		-0.09	0.01		0.18	0.10		0.04	0.06		-0.17	0.06
D79YPQ	1.52	-0.36	0.03	0.17	-0.83	0.04	1.05	-0.84	0.10	0.18	-1.29	0.10	0.72	-0.77	0.14
		-0.14	0.01		-0.13	0.01		-0.31	0.01		-0.22	0.01		-0.28	0.02
XJT9V6	1.91	0.63	0.12	0.53	1.47	2.51	1.36	0.00	0.06	0.40	0.02	0.07	1.12	0.33	0.19
		0.24	0.02		0.23	0.39		0.00	0.01		0.00	0.01		0.12	0.02
HU3FFL	1.50	-0.42	0.27	0.33	0.17	0.48	1.07	-0.80	0.42	0.46	0.35	1.40	1.31	0.83	1.15
		-0.16	0.05		0.03	0.07		-0.29	0.05		0.06	0.14		0.30	0.13
N6HFCF	1.97	0.81	1.17	0.31	0.05	0.35	1.47	0.29	0.32	0.43	0.17	0.76	1.31	0.85	1.55
		0.31	0.22		0.01	0.05		0.11	0.04		0.03	0.08		0.31	0.17
9KRXTW	1.81	0.38	0.11	0.24	-0.42	0.03	1.57	0.58	0.10	0.39	-0.09	0.17	0.88	-0.33	0.29
		0.15	0.02		-0.07	0.01		0.21	0.01		-0.02	0.02		-0.12	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		1.66			0.30			1.36			0.40			1.00	
Median Abs Dev		0.24			0.07			0.23			0.09			0.16	
Avg Within Lab SD		0.19			0.15			0.12			0.10			0.11	
Labs Included		37			37			37			37			37	
Labs Reporting		37			37			37			37			37	



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

Mn - DTPA (SubTestCode 171)	in the Micronutrients Property Groups															Data units: mg/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
P2ZHHY	1.99	-0.62	0.04	2.40	-0.06	0.17	1.33	-0.81	0.13	19.94	-1.28	0.28	2.45	0.21	0.07			
		-1.19	0.05		-0.08	0.05		-1.80	0.06		-9.52	1.05		0.45	0.24			
2V9A2L	2.80	-0.20	0.09	2.63	0.12	0.22	3.77	0.28	0.27	33.83	0.59	0.11	0.90	-0.52	0.00			
		-0.38	0.10		0.16	0.06		0.63	0.12		4.38	0.40		-1.10	0.00			
9G9ZXE	1.46	-0.89	0.14	5.05	2.03	0.60	3.15	0.01	0.82	33.67	0.56	0.95	1.09	-0.43	0.05			
		-1.72	0.17		2.57	0.16		0.01	0.35		4.21	3.53		-0.91	0.17			
7LQLUF	4.04	0.44	0.67	2.48	0.00	0.25	3.52	0.17	0.74	33.60	0.56	0.27	4.77	1.31	0.48			
		0.85	0.78		0.00	0.07		0.39	0.32		4.14	1.01		2.77	1.61			
ETFYA8	3.73	0.28	0.15	3.46	0.77	0.20	2.99	-0.06	0.12	30.27	0.11	0.38	3.82	0.86	0.02			
		0.55	0.17		0.98	0.05		-0.15	0.05		0.81	1.40		1.82	0.05			
WN8QDL	3.75	0.29	0.01	1.81	-0.52	0.07	4.49	0.61	0.14	17.90	-1.55	0.04	2.30	0.14	0.01			
		0.56	0.01		-0.66	0.02		1.35	0.06		-11.55	0.14		0.30	0.02			
QHLKDT	6.63	1.79	0.40	5.19	2.14	2.10	6.36	1.44	2.69	50.37	2.80	0.81	9.12	3.37	0.28			
		3.45	0.46		2.71	0.56		3.23	1.14		20.91	3.02		7.12	0.94			
NM37AU	3.17	-0.01	0.13	2.30	-0.14	0.37	2.73	-0.18	0.27	32.33	0.39	0.31	3.70	0.81	0.03			
		-0.02	0.15		-0.18	0.10		-0.40	0.12		2.88	1.16		1.70	0.10			
LU92FX	5.46	1.18	5.49	3.55	0.84	4.01	2.61	-0.24	3.03	24.67	-0.64	5.23	13.33	5.37	5.71			
		2.28	6.34		1.07	1.07		-0.53	1.29		-4.78	19.50		11.33	19.19			
9JB2YB	6.11	1.51	0.17	1.89	-0.46	0.40	7.48	1.94	0.52	25.46	-0.54	0.22	1.54	-0.22	0.02			
		2.93	0.19		-0.59	0.11		4.35	0.22		-3.99	0.83		-0.46	0.08			
PD8M9Q	4.00	0.42	0.87	3.33	0.68	2.16	4.00	0.39	2.35	30.33	0.12	0.62	1.67	-0.16	0.17			
		0.82	1.00		0.86	0.58		0.86	1.00		0.88	2.31		-0.33	0.58			
4XUXCD	1.93	-0.65	0.10	3.60	0.89	0.65	2.53	-0.27	0.14	31.67	0.30	0.15	1.27	-0.35	0.02			
		-1.25	0.12		1.12	0.17		-0.60	0.06		2.21	0.58		-0.73	0.06			
Z9LAXF	3.18	0.00	0.03	3.58	0.87	0.66	3.04	-0.04	0.28	26.87	-0.35	0.19	2.61	0.29	0.02			
		0.00	0.03		1.10	0.18		-0.10	0.12		-2.59	0.71		0.61	0.08			
ZTQT9G	4.07	0.46	0.35	4.20	1.36	1.12	4.20	0.48	0.47	37.30	1.05	0.21	2.17	0.08	0.06			
		0.88	0.40		1.72	0.30		1.06	0.20		7.85	0.80		0.17	0.21			
HML4ZY	2.80	-0.20	0.09	3.60	0.89	0.37	4.80	0.74	0.62	21.80	-1.03	0.14	1.40	-0.28	0.03			
		-0.38	0.10		1.12	0.10		1.66	0.26		-7.65	0.53		-0.60	0.10			
3HG3JC	4.84	0.86		2.78	0.24		1.47	-0.74		19.43	-1.34		2.38	0.18				
		1.66	0.00		0.30	0.00		-1.67	0.00		-10.02	0.00		0.38	0.00			
2ZLAYD	9.00	3.01	0.23	2.30	-0.14	0.00	9.83	2.99	0.36	27.67	-0.24	0.15	3.00	0.47				
		5.82	0.26		-0.18	0.00		6.70	0.15		-1.79	0.58		1.00	0.00			
9GTK67	5.52	1.21	0.36	3.73	0.99	0.67	8.65	2.46	0.81	36.37	0.93	0.43	2.53	0.25	0.02			
		2.33	0.42		1.25	0.18		5.51	0.34		6.92	1.62		0.53	0.06			
2RDHVB	7.29	2.13	0.78	2.57	0.08	0.99	7.53	1.96	2.48	32.78	0.45	1.07	2.76	0.36	0.21			
		4.11	0.90		0.10	0.27		4.39	1.05		3.33	3.99		0.76	0.70			
6J7BH6	2.06	-0.58	0.13	1.67	-0.63	0.59	2.36	-0.35	0.60	26.72	-0.37	0.85	1.69	-0.15	0.03			
		-1.12	0.15		-0.81	0.16		-0.77	0.25		-2.73	3.17		-0.31	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
ZT92XC	1.94	-0.65	0.09	1.42	-0.83	0.52	2.62	-0.23	0.18	14.41	-2.02	0.04	0.73	-0.60	0.01
YNEK8D	32.82	-1.25	0.10	4.93	-1.06	0.14	3.48	-0.51	0.08	4.91	-15.04	0.15	28.70	-1.27	0.02
V3RMFD	2.43	15.34	27.69	1.45	1.94	0.72	2.47	0.15	0.13	30.47	-3.29	0.08	5.60	12.66	0.36
RF99BG	1.83	29.64	31.96	1.83	2.46	0.19	1.87	0.35	0.05	26.00	-24.54	0.31	1.43	26.70	1.20
K4H7TN	4.00	-0.39	0.13	2.00	-0.81	0.19	5.00	-0.30	0.14	34.33	0.14	0.28	2.00	1.71	0.03
Y26GAB	3.15	-0.75	0.15	1.76	-1.03	0.05	2.91	-0.67	0.06	29.45	1.01	1.06	1.80	3.60	0.10
4TXAV7	2.69	-0.70	0.10	3.99	-0.51	0.43	2.57	-0.57	0.49	33.20	-0.46	0.27	1.51	-0.27	0.05
EJR4AR	1.77	-1.35	0.12	3.10	-0.64	0.12	2.23	-1.27	0.21	25.07	-3.45	1.00	1.27	-0.57	0.15
ACVHGX	4.64	0.42		1.74	-0.38		2.75	0.83		32.46	0.65	0.31	1.24	0.00	
6UNU32	2.79	0.82	0.00	2.00	-0.48	0.00	4.10	1.86	0.00	28.60	4.88	1.15	1.09	0.00	0.00
D79YPQ	2.09	-0.01	0.02	2.14	-0.56	0.04	1.17	-0.10	0.02	20.86	0.00	0.11	0.60	-0.10	0.00
XJT9V6	1.81	-0.03	0.03	41.75	-0.72	0.01	4.01	-0.22	0.01	26.84	0.00	0.39	40.02	-0.20	0.01
HU3FFL	4.42	-0.26		1.67	1.19		5.46	-0.25		34.40	0.50		4.64	-0.23	
N6HFCF	3.52	-0.49	0.00	4.00	1.51	0.00	5.12	-0.57	0.00	32.03	3.75	0.00	2.25	-0.49	0.00
9KRXTW	3.26	-0.73	0.10	1.73	0.49	0.37	3.14	-0.40	0.49	29.79	-0.59	0.15	1.26	-0.35	0.05
		-1.42	0.12		0.62	0.10		-0.90	0.21		0.40	0.59		-0.36	0.07
		0.75	0.59		-0.58	0.68		-0.17	0.74		3.01	2.21		-0.76	0.23
		1.46	0.68		-0.73	0.18		-0.39	0.31		-0.11	0.04		-0.43	0.01
		-0.20	0.10		-0.38	0.73		0.43	0.12		-0.85	0.15		-0.91	0.03
		-0.39	0.11		-0.48	0.20		0.96	0.05		-1.15	0.03		-0.67	0.00
		-0.56	0.04		-0.26	0.08		-0.88	0.05		-8.59	0.10		-1.40	0.01
		-1.09	0.04		-0.33	0.02		-1.97	0.02		-0.35	0.06		18.02	1.69
		-0.71	0.07		30.95	0.89		0.39	0.07		-2.61	0.21		38.02	5.69
		-1.38	0.08		39.27	0.24		0.88	0.03		0.66	0.57		1.25	0.11
		0.64	0.10		-0.64	0.53		1.04	0.13		4.94	2.12		2.64	0.35
		1.24	0.12		-0.81	0.14		2.32	0.06		0.35	0.25		0.12	0.13
		0.17	0.16		1.20	1.02		0.89	0.51		2.58	0.95		0.25	0.43
		0.34	0.19		1.53	0.27		1.99	0.22		0.05	0.08		-0.35	0.02
		0.04	0.06		-0.59	0.08		0.00	0.09		0.34	0.31		-0.74	0.06
		0.08	0.08		-0.75	0.02		0.00	0.04						
Grand Median		3.18		2.48			3.14			29.5			2.00		
Median Abs Dev		1.09		0.75			0.86			3.7			0.73		
Avg Within Lab SD		1.15		0.27			0.43			3.7			3.36		
Labs Included		33		33			33			33			33		
Labs Reporting		33		33			33			33			33		



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

Fe - DTPA (SubTestCode 172)		in the Micronutrients Property Groups												Data units: mg/kg	
SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	1.0	-0.3	0.0	21.2	-0.8	0.1	1.8	-0.8	0.0	11.1	-1.2	0.2	15.2	-0.7	0.5
		-0.4	0.0		-11.8	0.6		-2.1	0.1		-10.6	0.5		-9.0	2.1
2V9A2L	1.0	-0.3		25.0	-0.6	0.2	5.0	0.4		17.3	-0.5	0.2	13.3	-0.8	0.1
		-0.4	0.0		-8.0	1.0		1.1	0.0		-4.4	0.6		-10.8	0.6
9G9ZXE	0.9	-0.4	0.0	27.8	-0.4	0.6	3.8	0.0	0.1	16.5	-0.6	0.6	15.3	-0.6	0.1
		-0.5	0.1		-5.2	3.0		-0.1	0.3		-5.2	1.4		-8.8	0.5
7LQLUF	1.6	0.2	0.0	34.5	0.1	0.4	3.4	-0.2	0.0	27.8	0.7	1.3	33.6	0.7	0.5
		0.2	0.1		1.5	2.2		-0.5	0.1		6.1	3.1		9.4	1.8
ETFYA8	1.4	0.0	0.0	35.4	0.2	0.2	3.2	-0.3	0.0	25.1	0.4	0.2	29.4	0.4	0.2
		0.1	0.2		2.4	1.3		-0.7	0.1		3.4	0.5		5.3	0.6
WN8QDL	3.3	1.5	0.0	40.2	0.5	0.2	10.5	2.6	0.0	23.1	0.2	0.1	25.2	0.1	0.0
		1.9	0.1		7.2	0.8		6.6	0.1		1.4	0.2		1.0	0.2
QHLKDT	1.9	0.4	0.0	51.4	1.3	0.7	5.5	0.6	0.2	33.9	1.4	0.9	52.0	2.0	1.4
		0.5	0.1		18.4	3.6		1.6	0.6		12.2	2.2		27.8	5.8
NM37AU	1.8	0.4	0.0	31.2	-0.1	0.5	4.4	0.2	0.0	24.1	0.3	0.4	22.1	-0.1	0.5
		0.4	0.1		-1.8	2.5		0.5	0.2		2.4	1.0		-2.0	2.0
LU92FX	14.4	10.4	5.7	26.8	-0.4	4.0	14.2	4.1	5.8	16.6	-0.6	4.6	26.2	0.2	0.7
		13.0	21.8		-6.2	21.2		10.3	19.0		-5.1	10.9		2.1	2.7
9JB2YB	0.2	-1.0	0.0	39.5	0.4	0.2	3.5	-0.1	0.1	27.9	0.7	0.1	26.6	0.2	0.4
		-1.2	0.1		6.5	0.9		-0.4	0.2		6.2	0.3		2.4	1.5
PD8M9Q	2.0	0.5		39.0	0.4	1.4	7.3	1.4	0.4	21.3	0.0	1.3	22.7	-0.1	1.0
		0.6	0.0		6.0	7.5		3.4	1.2		-0.4	3.1		-1.5	4.2
4XUXCD	1.4	0.0	0.0	35.0	0.1	0.2	3.7	-0.1	0.0	26.7	0.6	1.2	56.3	2.4	0.6
		0.0	0.1		2.0	1.0		-0.2	0.1		5.0	2.9		32.2	2.5
Z9LAXF	1.2	-0.1	0.0	39.7	0.5	0.2	3.4	-0.2	0.0	24.3	0.3	0.2	22.2	-0.1	0.2
		-0.2	0.0		6.7	0.9		-0.5	0.1		2.6	0.5		-1.9	0.9
ZTQT9G	2.0	0.5	0.1	51.4	1.3	0.4	5.3	0.6	0.1	37.7	1.9	0.6	33.0	0.6	0.7
		0.6	0.3		18.4	2.3		1.4	0.2		16.0	1.4		8.8	2.6
HML4ZY	1.3	-0.1	0.0	36.4	0.2	0.2	4.9	0.4	0.0	18.7	-0.3	0.1	19.2	-0.4	0.1
		-0.1	0.0		3.4	0.9		1.0	0.2		-3.0	0.2		-5.0	0.5
3HG3JC	1.0	-0.3		17.2	-1.1		3.6	-0.1		6.5	-1.8		7.9	-1.2	
		-0.4	0.0		-15.8	0.0		-0.3	0.0		-15.2	0.0		-16.3	0.0
2ZLAYD	1.2	-0.1	0.0	19.7	-0.9	0.2	5.0	0.4	0.0	12.3	-1.1	0.2	11.0	-1.0	0.3
		-0.2	0.2		-13.3	1.2		1.1	0.1		-9.4	0.6		-13.2	1.1
9GTK67	1.7	0.2	0.0	46.6	0.9	0.2	9.6	2.2	0.0	32.1	1.2	0.2	26.4	0.2	0.2
		0.3	0.1		13.6	0.9		5.7	0.1		10.4	0.4		2.2	0.8
2RDHVB	1.7	0.3	0.1	36.4	0.2	0.5	7.5	1.4	0.2	29.2	0.9	0.8	32.7	0.6	1.0
		0.3	0.3		3.4	2.6		3.6	0.6		7.5	1.9		8.5	4.1
6J7BH6	1.4	0.0	0.0	29.2	-0.3	0.4	3.4	-0.2	0.0	22.1	0.0	0.7	27.4	0.2	1.4
		0.0	0.1		-3.8	2.4		-0.5	0.1		0.4	1.7		3.2	5.6



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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
ZT92XC	1.4	0.0	0.0	42.7	0.7	1.1	5.5	0.6	0.0	26.8	0.6	0.3	19.8	-0.3	0.1
YNEK8D	33.6	25.8	2.1	2.1	-2.1	0.1	47.5	17.2	0.6	5.1	-1.9	0.3	25.3	0.1	0.2
V3RMFD	1.6	0.2	0.0	48.7	1.1	0.7	3.6	-0.1	0.1	20.0	-0.2	0.2	47.6	1.7	0.5
RF99BG	1.5	0.1	0.0	33.0	0.0	0.2	2.7	-0.5	0.1	20.0	-0.2	0.4	29.3	0.4	0.3
K4H7TN	1.3	0.0	0.2	30.7	-0.2	0.2	8.7	1.9	0.2	18.0	-0.4	0.4	20.7	-0.3	0.1
Y26GAB	1.1	-0.1	0.6	29.4	-2.3	1.2	3.1	4.8	0.6	20.4	-3.7	1.0	24.8	-3.5	0.6
4TXAV7		-0.2	0.0	45.6	-0.2	0.0	3.6	-0.3	0.0	31.3	-0.2	0.0	23.5	0.0	0.0
EJR4AR	1.0	-0.3		28.7	0.9	0.0	3.6	-0.1	0.2	19.3	1.1	0.0	16.0	-0.7	0.0
ACVHGX	2.3	-0.4	0.0	28.7	-4.3	1.2	3.7	-0.2	0.6	19.3	-2.4	1.2	16.0	-8.2	1.0
6UNU32	1.0	0.8	0.1	91.7	4.1	2.2	7.0	1.2	0.4	40.2	2.1	0.6	50.9	2.0	1.0
D79YPQ	1.1	1.0	0.2	91.7	58.7	11.9	7.0	3.1	1.5	40.2	18.5	1.3	50.9	26.7	4.1
XJT9V6	3.0	-0.3	0.0	33.0	0.0	0.5	3.0	-0.3	0.1	21.2	-0.1	0.1	17.3	-0.5	0.1
HU3FFL	2.0	-0.4	0.2	33.0	0.0	2.4	3.0	-0.9	0.2	21.2	-0.5	0.3	17.3	-6.8	0.3
N6HFCF	2.5	-0.2	0.0	21.3	-0.8	0.1	4.0	0.0	0.0	16.4	-0.6	0.1	19.7	-0.3	0.0
9KRXTW	1.1	-0.3	0.0	21.3	-11.7	0.5	4.0	0.1	0.0	16.4	-5.3	0.2	19.7	-4.5	0.1
		1.3	0.0	4.1	-2.0	0.0	3.2	-0.3	0.0	34.8	1.5	0.1	1.5	-1.7	0.0
		1.6	0.1	4.1	-28.9	0.1	3.2	-0.7	0.0	34.8	13.1	0.3	1.5	-22.7	0.1
		0.5	0.1	28.4	-0.3	0.5	4.8	0.3	0.0	24.2	0.3	0.7	26.8	0.2	0.2
		0.7	0.3	28.4	-4.6	2.8	4.8	0.9	0.0	24.2	2.5	1.8	26.8	2.6	0.7
		0.9	0.2	47.7	1.0	2.6	5.5	0.6	0.1	26.6	0.6	1.7	47.1	1.7	4.9
		1.2	0.8	47.7	14.7	13.7	5.5	1.6	0.3	26.6	4.9	4.1	47.1	22.9	19.8
		-0.2	0.0	24.2	-0.6	0.1	3.6	-0.1	0.0	20.6	-0.1	0.1	15.2	-0.7	0.1
		-0.3	0.0	24.2	-8.8	0.3	3.6	-0.3	0.0	20.6	-1.1	0.2	15.2	-9.0	0.5
Grand Median		1.39		33.0			3.90			21.7			24.2		
Median Abs Dev		0.36		6.6			0.86			4.9			5.2		
Avg Within Lab SD		3.80		5.3			3.28			2.4			4.0		
Labs Included		33		34			34			34			34		
Labs Reporting		33		34			34			34			34		



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

Cu - DTPA (SubTestCode 173)	in the Micronutrients Property Groups														Data units: mg/kg	
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	0.48	-1.00	0.38	0.24	-0.73	0.12	0.51	-2.01	0.11	0.33	-0.87	0.02	0.71	-0.43	1.22	
		-0.17	0.03		-0.08	0.01		-0.59	0.01		-0.16	0.00		-0.14	0.08	
2V9A2L	0.80	0.90	0.08	0.29	-0.27	0.12	1.35	0.85	0.00	0.46	-0.16	0.09	0.74	-0.34	0.23	
		0.15	0.01		-0.03	0.01		0.25	0.00		-0.03	0.01		-0.11	0.02	
9G9ZXE	0.53	-0.73	0.30	0.26	-0.57	0.21	1.00	-0.35	0.25	0.40	-0.45	0.31	0.63	-0.68	0.23	
		-0.12	0.02		-0.06	0.01		-0.10	0.02		-0.08	0.02		-0.22	0.02	
7LQLUF	0.57	-0.48	0.28	0.33	0.04	0.37	1.01	-0.32	0.42	0.49	0.00	0.34	1.26	1.25	0.22	
		-0.08	0.02		0.00	0.02		-0.09	0.04		0.00	0.02		0.41	0.01	
ETFYA8	0.60	-0.27	0.05	0.31	-0.10	0.32	0.89	-0.72	0.42	0.47	-0.08	0.35	1.12	0.83	0.81	
		-0.05	0.00		-0.01	0.01		-0.21	0.04		-0.01	0.02		0.27	0.05	
WN8QDL	0.68	0.18	0.11	0.30	-0.24	0.07	0.77	-1.14	0.14	0.39	-0.52	0.10	0.80	-0.17	0.24	
		0.03	0.01		-0.03	0.00		-0.33	0.01		-0.09	0.01		-0.05	0.02	
QHLKDT	4.30	21.48	12.27	8.84	76.81	16.26	9.00	26.93	15.57	14.07	75.32	11.94	18.79	54.47	40.55	
		3.65	0.86		8.52	0.76		7.90	1.32		13.59	0.81		17.94	2.66	
NM37AU	0.70	0.29	1.43	0.30	-0.21	0.00	1.00	-0.34		0.50	0.08		0.77	-0.25	0.88	
		0.05	0.10		-0.02	0.00		-0.10	0.00		0.02	0.00		-0.08	0.06	
LU92FX	0.61	-0.22	0.95	0.44	1.05	4.91	0.79	-1.07	4.58	0.69	1.12	5.17	0.81	-0.12	3.77	
		-0.04	0.07		0.12	0.23		-0.31	0.39		0.20	0.35		-0.04	0.25	
9JB2YB	0.86	1.24	0.14	0.44	1.08	0.25	1.42	1.08	0.25	0.60	0.62	0.31	1.46	1.84	0.38	
		0.21	0.01		0.12	0.01		0.32	0.02		0.11	0.02		0.61	0.03	
PD8M9Q	0.77	0.69	0.82	0.36	0.36	1.33	1.25	0.50	1.71	0.49	0.01	0.49	0.88	0.08	0.62	
		0.12	0.06		0.04	0.06		0.15	0.14		0.00	0.03		0.03	0.04	
4XUXCD	0.62	-0.20	0.22	0.36	0.30	0.25	1.20	0.34	0.00	0.50	0.10	0.09	0.97	0.35	0.44	
		-0.03	0.02		0.03	0.01		0.10	0.00		0.02	0.01		0.12	0.03	
Z9LAXF	0.61	-0.25	0.22	0.36	0.36	0.33	1.04	-0.20	0.41	0.43	-0.29	0.23	0.85	0.00	0.26	
		-0.04	0.02		0.04	0.02		-0.06	0.03		-0.05	0.02		0.00	0.02	
ZTQT9G	0.85	1.16	0.08	0.44	1.02	0.33	1.26	0.55	0.61	0.71	1.25	0.30	1.11	0.78	0.97	
		0.20	0.01		0.11	0.02		0.16	0.05		0.23	0.02		0.26	0.06	
HML4ZY	0.60	-0.29	0.00	0.43	0.99	1.23	1.30	0.68	0.00	0.40	-0.47	0.00	0.90	0.15	0.00	
		-0.05	0.00		0.11	0.06		0.20	0.00		-0.09	0.00		0.05	0.00	
3HG3JC	0.52	-0.76		0.23	-0.84		0.64	-1.57		0.28	-1.14		0.45	-1.21		
		-0.13	0.00		-0.09	0.00		-0.46	0.00		-0.21	0.00		-0.40	0.00	
2ZLAYD	0.67	0.12	0.14	0.26	-0.60	0.12	1.10	0.00	0.00	0.37	-0.62	0.09	0.65	-0.60	0.18	
		0.02	0.01		-0.07	0.01		0.00	0.00		-0.11	0.01		-0.20	0.01	
9GTK67	0.66	0.05	0.63	0.40	0.73	0.25	1.44	1.15	0.40	0.60	0.66	0.29	0.99	0.42	0.48	
		0.01	0.04		0.08	0.01		0.34	0.03		0.12	0.02		0.14	0.03	
2RDHVB	0.77	0.73	1.53	0.32	0.00	1.21	1.20	0.34	1.74	0.53	0.23	1.38	0.87	0.07	2.37	
		0.12	0.11		0.00	0.06		0.10	0.15		0.04	0.09		0.02	0.16	
6J7BH6	0.55	-0.59	0.25	0.27	-0.53	0.55	0.99	-0.39	0.53	0.41	-0.44	0.50	0.84	-0.02	0.64	
		-0.10	0.02		-0.06	0.03		-0.11	0.04		-0.08	0.03		-0.01	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
ZT92XC	0.58	-0.41	0.25	0.27	-0.48	0.43	1.08	-0.07	0.12	0.35	-0.77	0.09	0.66	-0.59	0.09
YNEK8D	1.06	-0.07	0.02	0.53	-0.05	0.02	0.38	-0.02	0.01	1.05	-0.14	0.01	0.43	-0.19	0.01
V3RMFD	0.62	2.40	4.20	0.34	1.87	0.39	1.23	-2.45	0.24	0.61	3.13	1.07	1.32	-1.28	0.21
RF99BG	0.65	0.41	0.29	0.29	0.21	0.02	0.99	-0.72	0.02	0.47	0.57	0.07	0.75	-0.42	0.01
K4H7TN	0.93	-0.20	0.59	0.50	0.14	0.77	1.23	0.46	1.80	0.97	0.67	0.82	1.37	1.42	1.48
Y26GAB	1.13	-0.03	0.04	0.44	0.02	0.04	1.53	0.13	0.15	0.74	0.12	0.06	1.64	0.47	0.10
4TXAV7	0.74	0.00	0.38	0.47	-0.27	0.33	1.15	-0.37	0.12	0.68	-0.10	0.23	0.88	-0.31	0.18
EJR4AR	0.60	0.00	0.03	0.27	-0.03	0.02	0.87	-0.11	0.01	0.40	-0.02	0.02	0.57	-0.10	0.01
ACVHGX	2.93	1.67	0.82	1.91	1.59		3.51	0.45	0.68	1.99	2.67	0.85	3.46	1.57	0.88
6UNU32	0.54	0.28	0.06	0.26	0.18	0.00	1.05	0.13	0.06	0.40	0.48	0.06	0.67	0.52	0.06
D79YPQ	0.52	2.82	0.21	0.17	1.02	0.16	0.88	1.45	0.07	0.36	1.41	0.21	0.51	2.39	0.08
XJT9V6	0.82	0.48	0.01	0.41	0.11	0.01	1.26	0.43	0.01	0.54	0.26	0.01	0.92	0.79	0.01
HU3FFL	0.68	0.53		0.29	1.32		1.13	0.17		0.56	1.08		1.10	0.09	
N6HFCF	0.79	0.09	0.00	0.41	0.15	0.00	1.34	0.05	0.00	0.56	0.20	0.00	1.14	0.03	0.00
9KRXTW	0.60	-0.29	2.47	0.19	-0.51	1.23	1.11	-0.79	0.68	0.39	-0.47	0.00	0.61	-0.86	0.88
		-0.05	0.17		-0.06	0.06		-0.23	0.06		-0.09	0.00		-0.28	0.06
		13.43	2.90		14.31	5.38		8.20	1.31		8.34	3.33		7.92	4.49
		2.28	0.20		1.59	0.25		2.41	0.11		1.51	0.23		2.61	0.30
		-0.64	0.57		-0.55	0.33		-0.16	0.30		-0.49	0.11		-0.55	0.48
		-0.11	0.04		-0.06	0.02		-0.05	0.03		-0.09	0.01		-0.18	0.03
		-0.78	0.22		-1.41	0.25		-0.76	0.27		-0.69	0.15		-1.02	0.23
		-0.13	0.02		-0.16	0.01		-0.22	0.02		-0.13	0.01		-0.34	0.02
		1.03	0.05		0.78	0.23		0.54	0.02		0.30	0.03		0.21	0.00
		0.17	0.00		0.09	0.01		0.16	0.00		0.05	0.00		0.07	0.00
		0.20	0.16		-0.33	0.33		0.10	0.24		0.42	0.51		0.76	0.95
		0.03	0.01		-0.04	0.02		0.03	0.02		0.08	0.03		0.25	0.06
		0.84	0.79		0.77	0.19		0.83	0.27		0.39	0.46		0.89	1.54
		0.14	0.06		0.09	0.01		0.24	0.02		0.07	0.03		0.29	0.10
		-0.32	0.23		-1.17	0.38		0.04	0.02		-0.55	0.04		-0.72	0.49
		-0.05	0.02		-0.13	0.02		0.01	0.00		-0.10	0.00		-0.24	0.03
Grand Median		0.65		0.32			1.10			0.49			0.85		
Median Abs Dev		0.09		0.06			0.15			0.09			0.19		
Avg Within Lab SD		0.07		0.05			0.08			0.07			0.07		
Labs Included		33		33			33			33			33		
Labs Reporting		33		33			33			33			33		



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

Zn - HCl (SubTestCode 174)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610		
3HG3JC	3.42		0.86		0.04		1.16		2.61		
		0.00		0.00		0.00		0.00		0.00	
		1.00		1.00		1.00		1.00		1.00	
YNEK8D	10.22		2.10		10.67		4.65		4.25		
		0.51		0.02		0.07		0.07		0.07	
Grand Median		6.82		1.48		5.35		2.90		3.43	
Median Abs Dev											
Avg Within Lab SD		0.51		0.02		0.07		0.07		0.07	
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		

CI - Ca(NO3)2 Extr. (SubTestCode 176)															
in the Micronutrients Property Groups															
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
Data units: mg/kg															
2V9A2L	8.40	1.25	0.22	4.53	-0.26	0.18	571.00	-1.27	0.09	18.30	0.09	0.31	4.10	0.00	0.00
		4.10	0.10		-0.43	0.06		-249.00	1.73		0.37	0.20		0.00	0.00
ETFYA8	1.75	-0.78	0.20	2.65	-1.39	0.84	992.29	0.88	0.47	28.63	2.76	1.85	3.19	-0.56	1.65
		-2.55	0.09		-2.32	0.27		172.29	8.67		10.70	1.19		-0.91	0.60
WN8QDL	4.24	-0.02	0.08	5.15	0.11	0.58	344.84	-2.42	0.63	17.90	-0.01	0.46	3.80	-0.19	0.64
		-0.06	0.04		0.18	0.19		-475.16	11.50		-0.03	0.30		-0.30	0.24
NM37AU	5.44	0.35	2.67	5.36	0.24	2.35	915.00	0.48	1.23	16.93	-0.26	1.90	4.89	0.49	2.22
		1.14	1.21		0.39	0.76		95.00	22.52		-1.00	1.22		0.79	0.81
4XUXCD	3.67	-0.19	0.64	5.17	0.12	0.89	970.00	0.76	1.44	20.67	0.71	0.90	5.33	0.76	0.79
		-0.63	0.29		0.20	0.29		150.00	26.46		2.73	0.58		1.23	0.29
HML4ZY	3.47	-0.25	0.56	4.97	0.00	0.64	821.10	0.01	1.46	17.93	0.00	0.18	3.90	-0.12	0.47
		-0.83	0.25		0.00	0.21		1.10	26.71		0.00	0.12		-0.20	0.17
E8KYJY	9.90	1.71		8.90	2.37		773.00	-0.24		22.20	1.10		9.10	3.10	
		5.60	0.00		3.93	0.00		-47.00	0.00		4.27	0.00		5.00	0.00
RF99BG	9.27	1.52	1.02	2.60	-1.42	1.11	820.00	0.00	1.63	13.67	-1.10	0.90	3.43	-0.41	0.32
		4.97	0.46		-2.37	0.36		0.00	30.00		-4.27	0.58		-0.67	0.12
4TXAV7	4.30	0.00		4.70	-0.16		817.00	-0.02		17.80	-0.03		4.80	0.43	
		0.00	0.00		-0.27	0.00		-3.00	0.00		-0.13	0.00		0.70	0.00
Grand Median		4.30		4.97			820.0			17.9			4.10		
Median Abs Dev		1.14		0.39			95.0			1.0			0.70		
Avg Within Lab SD		0.45		0.33			18.4			0.6			0.37		
Labs Included		9		9			9			9			9		
Labs Reporting		9		9			9			9			9		



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

B - Hot Wat. (SubTestCode 177)	in the Micronutrients Property Groups															Data units: mg/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
ETFYA8	0.74	-0.34	0.46	0.16	-0.32	0.25	1.79	0.20	0.73	0.23	0.00	0.11	0.26	-0.01	0.43			
WN8QDL	1.03	-0.10	0.02	0.17	-0.03	0.01	2.80	0.15	0.08	0.18	0.00	0.01	0.16	0.00	0.01			
QHLKDT	0.22	0.68	0.33		-0.29	0.06		1.60	0.54		-0.44	0.02		-0.43	0.15			
9JB2YB	0.69	0.19	0.02	0.19	-0.03	0.00	1.31	1.15	0.06	0.22	-0.05	0.00	0.24	-0.10	0.01			
Z9LAXF	0.42	-2.18	0.78	0.11	-0.02	0.05	1.02	-1.45	1.07	0.14	-0.12	0.04	0.16	-0.02	0.00			
QP24XR	0.89	-0.62	0.04	0.13	0.00	0.00	2.41	-0.48	0.13	0.09	-0.01	0.01	0.15	-0.02	0.00			
VMZPEH	0.34	-0.51	0.14	0.18	-0.88	0.41	1.40	-0.87	1.35	0.20	-0.82	0.07	0.29	-0.45	0.80			
2ZLAYD	0.85	-1.47	0.63	0.38	-0.09	0.02	1.97	-0.62	0.16	0.41	-0.09	0.01	0.45	-0.10	0.03			
XD4VUG	1.02	-0.42	0.03	0.32	-0.64	0.28	2.36	1.06	0.41	0.27	-1.25	0.13	0.31	-0.48	0.36			
9GTK67	0.67	0.05	0.01	0.19	-0.06	0.01	1.42	0.76	0.05	0.22	-0.14	0.02	0.25	-0.11	0.01			
2RDHVB	0.94	-1.75	1.98	0.27	-0.17	0.57	1.83	-0.34	1.32	0.28	-0.29	0.11	0.32	0.12	3.14			
Z9HQBC	0.91	-0.50	0.10	0.20	-0.02	0.02	2.30	-0.25	0.15	0.21	-0.03	0.02	0.26	0.03	0.10			
F4VC3W	1.03	0.02	1.13	0.23	1.91	0.70	2.13	0.44	0.50	0.27	1.63	0.00	0.28	0.80	0.46			
YNEK8D	1.12	0.01	0.06	0.48	0.19	0.03	2.25	0.32	0.06	0.34	0.18	0.00	0.37	0.18	0.02			
K4H7TN	0.70	0.63	1.18	0.30	1.33	0.54	1.50	0.99	0.42	0.30	0.38	0.11	0.40	0.20	0.92			
9WKG82	0.83	0.18	0.06	0.15	0.13	0.02	1.40	0.71	0.05	0.57	0.04	0.02	0.18	0.05	0.03			
EDQREV	1.02	-0.61	0.34	0.19	-0.01	0.23	2.22	-0.31	0.52	0.34	-0.12	0.09	0.38	-0.07	0.36			
XXB2JC	0.83	-0.17	0.02	0.24	0.00	0.01	1.40	-0.22	0.06	0.25	-0.01	0.01	0.24	-0.02	0.01			
4TXAV7	1.01	0.34	1.86	0.28	0.82	1.20	1.96	0.25	0.45	0.30	0.48	0.28	0.33	0.26	0.18			
4QUEC3	1.22	0.10	0.10	0.16	0.08	0.05	0.20	0.18	0.05	0.14	0.05	0.04	2.38	0.06	0.01			
		0.23	0.30		0.03	0.15		0.90	0.75		-0.18	0.07		0.00	0.18			
		0.07	0.02		0.00	0.01		0.65	0.09		-0.02	0.01		0.00	0.01			
		0.65	1.05		0.39	0.08		0.67	1.53		0.33	0.11		0.06	0.23			
		0.19	0.05		0.04	0.00		0.48	0.17		0.04	0.01		0.01	0.01			
		1.00	1.31		2.94	4.26		0.84	1.13		1.00	0.21		0.46	0.26			
		0.28	0.07		0.29	0.16		0.60	0.13		0.11	0.03		0.11	0.01			
		-0.49	1.96		1.09	0.00		-0.20			0.63	0.00		0.59	0.00			
		-0.14	0.10		0.11	0.00		-0.15	0.00		0.07	0.00		0.14	0.00			
		-0.02	0.57		-0.44	0.00		-0.34	2.66		3.05	4.76		-0.35	0.88			
		-0.01	0.03		-0.04	0.00		-0.25	0.30		0.34	0.64		-0.08	0.03			
		0.65	0.57		0.00	0.41		0.80	0.53		0.99	0.00		0.49	0.18			
		0.18	0.03		0.00	0.02		0.57	0.06		0.11	0.00		0.11	0.01			
		-0.02	0.93		0.48	1.06		-0.34	0.30		0.18	0.27		-0.12	1.15			
		-0.01	0.05		0.05	0.04		-0.25	0.03		0.02	0.04		-0.03	0.04			
		0.60			0.88			0.44			0.63			0.29				
		0.17	0.00		0.09	0.00		0.31	0.00		0.07	0.00		0.07	0.00			
		1.33	0.60		-0.37	0.31		-2.01	0.15		-0.82	0.00		9.17	2.44			
		0.38	0.03		-0.04	0.01		-1.45	0.02		-0.09	0.00		2.11	0.08			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Z4BZ87	0.81	-0.12	0.41	0.17	-0.20	0.31	1.93	0.39	1.45	0.16	-0.67	0.04	0.20	-0.27	0.30
		-0.03	0.02		-0.02	0.01		0.28	0.17		-0.07	0.01		-0.06	0.01
MZTJBK	0.31	-1.87		0.09	-1.06		1.21	-0.61		0.14	-0.78		0.16	-0.43	
		-0.53	0.00		-0.10	0.00		-0.44	0.00		-0.09	0.00		-0.10	0.00
UJKXPB	0.92	0.28	0.34	0.22	0.27	0.00	1.44	-0.29	0.46	0.23	-0.03	0.04	0.26	0.00	0.46
		0.08	0.02		0.03	0.00		-0.21	0.05		0.00	0.01		0.00	0.02
9KRXTW	0.79	-0.19	1.89	0.29	0.95	0.67	1.40	-0.34	1.84	0.31	0.70	0.16	0.35	0.37	1.56
		-0.05	0.10		0.09	0.03		-0.25	0.21		0.08	0.02		0.09	0.05
Grand Median		0.84			0.19			1.65			0.23			0.26	
Median Abs Dev		0.16			0.04			0.33			0.07			0.07	
Avg Within Lab SD		0.05			0.04			0.11			0.13			0.03	
Labs Included		24			23			24			23			23	
Labs Reporting		24			23			24			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		

B-DTPA/Sorbitol (SubTestCode 178)			in the Micronutrients Property Groups												Data units: mg/kg	
	SRSSRS1606		SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610				
P2ZHHY	0.48	-0.41	0.21	0.04	-1.14	0.06	1.13	-1.68	0.15	0.04	-0.40	0.01	0.04	-1.23	0.05	
		-0.08	0.01		-0.09	0.01		-1.00	0.05		-0.06	0.00		-0.07	0.00	
2V9A2L	0.83	1.46	0.10	0.05	-1.02	0.00	2.65	0.87	0.05	0.06	-0.21	0.02	0.07	-0.74	0.19	
		0.27	0.01		-0.08	0.00		0.52	0.02		-0.03	0.01		-0.04	0.01	
9G9ZXE	0.50	-0.32	0.38	0.13	-0.04	0.13	2.09	-0.07	0.20	0.10	0.08	0.02	0.09	-0.30	0.19	
		-0.06	0.02		0.00	0.02		-0.04	0.07		0.01	0.01		-0.02	0.01	
NM37AU	0.59	0.18	0.96	0.10	-0.43	0.21	2.41	0.46	0.54	0.16	0.47	0.11	0.12	0.15	0.88	
		0.03	0.05		-0.03	0.03		0.27	0.18		0.06	0.04		0.01	0.03	
LU92FX	0.50	-0.28	2.82	0.28	1.96	2.86	1.60	-0.90	3.78	0.93	6.09	3.87	0.12	0.21	2.04	
		-0.05	0.16		0.15	0.34		-0.54	1.28		0.83	1.41		0.01	0.06	
PD8M9Q	0.66	0.55	0.95	0.14	0.17	0.20	1.93	-0.34	0.22	0.11	0.14	0.04	0.11	0.00	0.44	
		0.10	0.05		0.01	0.02		-0.20	0.08		0.02	0.02		0.00	0.01	
4XUXCD	0.26	-1.58	0.42	0.13	0.04	0.49	1.97	-0.28	0.17	0.13	0.30	0.16	0.13	0.37	0.96	
		-0.29	0.02		0.00	0.06		-0.17	0.06		0.04	0.06		0.02	0.03	
HML4ZY	0.50	-0.30		0.13	0.04	0.49	2.63	0.84	0.17	0.07	-0.19	0.04	0.12	0.10	0.96	
		-0.06	0.00		0.00	0.06		0.50	0.06		-0.03	0.02		0.01	0.03	
6J7BH6	0.69	0.74	1.01	0.20	0.90	0.20	2.26	0.20	0.20	0.22	0.92	0.02	0.27	2.62	1.59	
		0.14	0.06		0.07	0.02		0.12	0.07		0.13	0.01		0.16	0.05	
V3RMFD	0.56	0.00	0.93	0.14	0.17	0.44	2.36	0.38	0.16	0.09	0.00	0.02	0.15	0.58	1.69	
		0.00	0.05		0.01	0.05		0.23	0.05		0.00	0.01		0.03	0.05	
RF99BG	0.59	0.18	0.18	0.09	-0.54	0.17	2.13	0.00	0.17	0.09	0.00	0.05	0.09	-0.35	0.57	
		0.03	0.01		-0.04	0.02		0.00	0.06		0.00	0.02		-0.02	0.02	
EJR4AR	0.47	-0.45	0.38	0.08	-0.60	0.05	2.06	-0.13	0.25	0.06	-0.24	0.00	0.03	-1.30	0.19	
		-0.08	0.02		-0.05	0.01		-0.08	0.08		-0.03	0.00		-0.08	0.01	
XJT9V6	0.87	1.70	0.39	0.23	1.32	2.20	2.84	1.19	0.24	0.15	0.39	0.01	0.16	0.75	0.94	
		0.31	0.02		0.10	0.26		0.71	0.08		0.05	0.00		0.05	0.03	
HU3FFL	0.43	-0.66	0.10				1.02	-1.87	0.03	0.03	-0.45	0.00	0.04	-1.13	0.19	
		-0.12	0.01					-1.11	0.01		-0.06	0.00		-0.07	0.01	
N6HFCF	0.80	1.29	1.61	0.05	-1.06	0.35	2.69	0.93	0.17	0.06	-0.24	0.03	0.09	-0.27	1.12	
		0.24	0.09		-0.08	0.04		0.55	0.06		-0.03	0.01		-0.02	0.03	
Grand Median		0.56			0.13			2.13			0.09			0.11		
Median Abs Dev		0.08			0.04			0.27			0.03			0.02		
Avg Within Lab SD		0.06			0.12			0.34			0.37			0.03		
Labs Included		15			14			15			15			15		
Labs Reporting		15			14			15			15			15		



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

Soil Kjeldahl N (SubTestCode 179)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
2V9A2L	0.10	-0.21	0.09	0.11	-0.44	0.20	0.14	-0.16	0.15	0.06	-0.06	0.32	0.07	-0.24	0.06
		-0.01	0.00		-0.01	0.00		0.00	0.00		0.00	0.00		-0.01	0.00
QHLKDT	0.09	-0.70	2.62	0.09	-0.93	2.45	0.12	-0.55	2.00	0.05	-0.70	1.73	0.06	-0.67	0.78
		-0.02	0.02		-0.02	0.02		-0.02	0.02		-0.02	0.01		-0.02	0.01
47JL8F	0.08	-0.79	1.87	0.08	-1.37	1.62	0.12	-0.71	1.48	0.05	-0.70	2.16	0.06	-0.57	0.66
		-0.02	0.01		-0.03	0.01		-0.02	0.02		-0.02	0.01		-0.01	0.01
NM37AU	0.08	-1.14	0.39	0.09	-1.19	1.42	0.11	-0.85	0.79	0.03	-1.63	0.81	0.04	-1.30	0.24
		-0.03	0.00		-0.03	0.01		-0.03	0.01		-0.04	0.00		-0.03	0.00
LU92FX	0.17	2.40	0.84	0.13	0.66	0.00	0.21	2.35	1.12	0.11	2.13	0.00	0.10	0.84	0.45
		0.07	0.01		0.01	0.00		0.07	0.01		0.05	0.00		0.02	0.01
PD8M9Q	0.11	0.18	0.37	0.12	0.17	0.33	0.13	-0.34	1.61	0.07	0.16	1.10	0.13	2.06	3.21
		0.01	0.00		0.00	0.00		-0.01	0.02		0.00	0.01		0.05	0.04
Z9LAXF	0.13	0.84	0.00	0.14	1.26	0.73	0.15	0.42	0.56	0.10	1.51	1.24	0.11	1.52	0.45
		0.02	0.00		0.03	0.01		0.01	0.01		0.03	0.01		0.04	0.01
XD4VUG	0.11	0.18	0.30	0.12	0.19	0.07	0.15	0.41	0.17	0.06	0.00	0.12	0.08	0.13	0.08
		0.01	0.00		0.00	0.00		0.01	0.00		0.00	0.00		0.00	0.00
BX698W	0.10	-0.12	0.08	0.11	-0.17	0.07	0.15	0.16	0.24	0.06	0.00	0.12	0.08	-0.01	0.22
		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00
4TXAV7	0.12	0.48		0.13	0.84		0.17	0.95		0.08	0.54		0.08	0.01	
		0.01	0.00		0.02	0.00		0.03	0.00		0.01	0.00		0.00	0.00
GPT3XM	0.08	-0.93	0.72	0.10	-0.65	0.81	0.11	-0.89	0.98	0.05	-0.51	0.90	0.06	-0.60	0.38
		-0.03	0.00		-0.01	0.01		-0.03	0.01		-0.01	0.00		-0.01	0.00
D79YPQ	0.11	0.12	0.00	0.12	0.22	0.00	0.15	0.31	0.00	0.07	0.17	0.00	0.08	0.14	0.04
		0.00	0.00		0.00	0.00		0.01	0.00		0.00	0.00		0.00	0.00
Grand Median		0.11		0.12			0.14			0.064			0.076		
Median Abs Dev		0.02		0.01			0.02			0.011			0.015		
Avg Within Lab SD		0.01		0.01			0.01			0.005			0.013		
Labs Included		12		12			12			12			12		
Labs Reporting		12		12			12			12			12		



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

Soil TN (combustion) (SubTestCode 180)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
P2ZHHY	0.12	0.66	0.74	0.13	0.20	0.05	0.16	0.41	0.00	0.07	0.18	0.78	0.08	0.08	0.86	
		0.01	0.01		0.01	0.01		0.01	0.00		0.00	0.01		0.00	0.01	
		1.02	0.20		0.24	0.01		0.73	0.23		0.33	0.41		0.14	0.70	
2V9A2L	0.13	0.02	0.00	0.13	0.01	0.00	0.17	0.01	0.00	0.08	0.01	0.00	0.08	0.00	0.00	
		0.55	1.51		0.31	0.03		0.52	0.15		0.62	1.28		0.86	0.93	
9G9ZXE	0.12	0.01	0.01	0.13	0.01	0.00	0.16	0.01	0.00	0.08	0.01	0.01	0.10	0.02	0.01	
		0.01	0.66		0.00	0.02		0.38	0.67		-0.02	0.48		0.04	0.45	
7LQLUF	0.11	0.00	0.01	0.12	0.00	0.00	0.16	0.01	0.00	0.07	0.00	0.00	0.08	0.00	0.00	
		-0.02	0.07		-0.29	0.01		-0.37	0.06		-0.19	0.13		-0.04	0.10	
ETFYA8	0.11	0.00	0.00	0.11	-0.01	0.00	0.15	-0.01	0.00	0.07	0.00	0.00	0.08	0.00	0.00	
		2.85	1.48		0.71	0.05		1.70	0.85		1.39	0.00		1.05	0.86	
LU92FX	0.17	0.06	0.01	0.15	0.03	0.01	0.18	0.03	0.01	0.10	0.03	0.00	0.11	0.03	0.01	
		2.17	1.48		7.38	4.22		1.88	3.41		2.16	3.38		2.44	2.98	
PD8M9Q	0.15	0.04	0.01	0.41	0.29	0.46	0.19	0.03	0.02	0.12	0.05	0.03	0.14	0.06	0.02	
		0.24	0.22		0.19	0.01		0.23	0.31		0.28	0.47		0.07	0.00	
HML4ZY	0.12	0.00	0.00	0.13	0.01	0.00	0.16	0.00	0.00	0.08	0.01	0.00	0.08	0.00	0.00	
		-0.29	0.58		-0.23	0.01		-0.41	0.30		-0.24	0.21		-0.17	0.23	
E8KYJY	0.10	-0.01	0.00	0.11	-0.01	0.00	0.15	-0.01	0.00	0.06	-0.01	0.00	0.08	0.00	0.00	
		0.18	0.71		0.00	0.02		-0.14	0.39		0.33	0.61		-0.17	0.09	
XD4VUG	0.11	0.00	0.01	0.12	0.00	0.00	0.15	0.00	0.00	0.08	0.01	0.00	0.08	0.00	0.00	
		-0.01	0.00		-0.39	0.05		-0.14	0.00		0.02	0.00		1.05	0.86	
YXPMTD	0.11	0.00	0.00	0.10	-0.02	0.01	0.15	0.00	0.00	0.07	0.00	0.00	0.11	0.03	0.01	
		-1.21	2.14		-0.58	0.35		-1.68	0.31		-3.03			-3.25	0.11	
YNEK8D	0.09	-0.02	0.02	0.10	-0.02	0.04	0.12	-0.03	0.00	0.00	-0.07	0.00	0.00	-0.08	0.00	
		-0.19	0.64		-0.28	0.02		-0.58	1.15		-0.48	0.13		-0.54	1.28	
BX698W	0.11	0.00	0.01	0.11	-0.01	0.00	0.14	-0.01	0.01	0.06	-0.01	0.00	0.07	-0.01	0.01	
		-0.11			0.03			0.14			-0.39			-0.39		
4TXAV7	0.11	0.00	0.00	0.12	0.00	0.00	0.16	0.00	0.00	0.06	-0.01	0.00	0.07	-0.01	0.00	
		-0.51	0.00		-0.47	0.00		-1.24	0.00		-0.43	0.00		-0.47	0.00	
ACVHGX	0.10	-0.01	0.00	0.10	-0.02	0.00	0.13	-0.02	0.00	0.06	-0.01	0.00	0.07	-0.01	0.00	
		-1.12	1.64		-0.38	0.10		-1.20	1.56		-0.62	0.48		-0.40	0.82	
MZTJBK	0.09	-0.02	0.01	0.10	-0.02	0.01	0.13	-0.02	0.01	0.06	-0.01	0.00	0.07	-0.01	0.01	
		-0.11	0.09		-0.30	0.00		-0.24	0.18		-0.22	0.21		-0.10	0.12	
6UNU32	0.11	0.00	0.00	0.11	-0.01	0.00	0.15	0.00	0.00	0.06	0.00	0.00	0.08	0.00	0.00	
		0.90	1.33		0.14	0.12		0.16	0.95		1.21	1.72		0.88	1.71	
N6HFCF	0.13	0.02	0.01	0.12	0.01	0.01	0.16	0.00	0.01	0.10	0.03	0.01	0.10	0.02	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		0.11			0.12			0.15			0.070			0.081	
Median Abs Dev		0.01			0.01			0.01			0.008			0.010	
Avg Within Lab SD		0.01			0.11			0.01			0.007			0.007	
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		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	1.20	0.50	0.18	1.46	0.30	0.16	1.26	-1.19	0.05	1.15	-0.17	0.25	0.88	-0.12	0.14
		0.07	0.01		0.04	0.03		-1.13	0.01		-0.07	0.03		-0.03	0.01
2V9A2L	1.23	0.70	0.23	1.49	0.49	0.12	2.83	0.47	0.10	1.29	0.19	0.57	0.94	0.13	0.70
		0.10	0.02		0.07	0.03		0.44	0.03		0.07	0.06		0.04	0.03
9G9ZXE				1.41	-0.08	0.09				1.18	-0.09	1.05	0.89	-0.07	0.63
					-0.01	0.02					-0.04	0.11		-0.02	0.03
ETFYA8	1.11	-0.07	0.02	1.40	-0.12	0.02	1.69	-0.74	0.04	1.14	-0.19	0.02	0.85	-0.21	0.04
		-0.01	0.00		-0.02	0.00		-0.70	0.01		-0.07	0.00		-0.06	0.00
Z9LAXF	0.87	-1.76	0.77	1.43	0.08	0.26	1.20	-1.25	0.00	1.10	-0.31	0.00	0.80	-0.39	0.00
		-0.26	0.06		0.01	0.06		-1.19	0.00		-0.12	0.00		-0.11	0.00
E8KYJY	1.19	0.47	0.04	1.48	0.44	0.01	2.80	0.43	0.01	1.28	0.15	0.14	0.93	0.07	0.14
		0.07	0.00		0.06	0.00		0.41	0.00		0.06	0.01		0.02	0.01
XD4VUG	1.26	0.93	0.07	1.58	1.11	0.04	3.07	0.71	0.06	1.33	0.30	0.26	0.93	0.09	0.20
		0.14	0.01		0.16	0.01		0.68	0.02		0.12	0.03		0.02	0.01
F4VC3W	1.09	-0.23	0.33	1.47	0.34	0.03	1.38	-1.06	0.02	1.12	-0.25	0.92	0.74	-0.60	0.27
		-0.03	0.03		0.05	0.01		-1.01	0.01		-0.10	0.10		-0.16	0.01
YXPMTD	1.12	0.00	0.08	1.39	-0.25	0.05	2.73	0.36	0.09	1.25	0.09	0.22	0.98	0.27	0.99
		0.00	0.01		-0.04	0.01		0.35	0.03		0.04	0.02		0.07	0.04
YNEK8D	1.35	1.58	0.08	2.01	4.16	3.60	2.39	0.00	3.54	1.29	0.19	1.95	1.06	0.55	2.13
		0.23	0.01		0.59	0.79		0.00	0.98		0.07	0.20		0.15	0.09
4TXAV7	0.96	-1.13		1.30	-0.86		1.45	-0.99		1.07	-0.38		0.84	-0.25	
		-0.17	0.00		-0.12	0.00		-0.94	0.00		-0.15	0.00		-0.07	0.00
ACVHGX	1.11	-0.09	0.00	1.37	-0.36	0.00	2.75	0.38		3.49	5.87	0.00	2.58	6.06	0.00
		-0.01	0.00		-0.05	0.00		0.36	0.00		2.27	0.00		1.67	0.00
MZTJBK	1.03	-0.63	0.19	1.40	-0.16	0.10	2.72	0.35	0.07	1.05	-0.42	0.32	0.85	-0.22	0.33
		-0.09	0.01		-0.02	0.02		0.33	0.02		-0.16	0.03		-0.06	0.01
N6HFCF	1.22	0.67	3.49	1.32	-0.69	0.94	1.58	-0.85	0.66	1.54	0.84	2.76	1.02	0.41	2.71
		0.10	0.26		-0.10	0.21		-0.81	0.18		0.33	0.29		0.11	0.11
Grand Median		1.12			1.42			2.39			1.22			0.91	
Median Abs Dev		0.09			0.05			0.68			0.08			0.07	
Avg Within Lab SD		0.07			0.22			0.28			0.11			0.04	
Labs Included		13			14			13			14			14	
Labs Reporting		13			14			13			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
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
2V9A2L	1.95	0.98	0.11	2.84	0.45	0.15	2.61	0.03	0.09	2.17	0.25	0.71	1.79	0.62	0.55	
		0.25	0.03		0.26	0.04		0.02	0.01		0.13	0.08		0.22	0.06	
QHLKDT	1.46	-0.95	0.29	3.62	1.84	2.05	2.59	0.00	1.77	2.90	1.67	1.37	3.35	4.92	3.10	
		-0.24	0.09		1.04	0.48		0.00	0.20		0.86	0.15		1.78	0.34	
Z9LAXF	1.57	-0.52	1.20	3.23	1.16	0.89	2.87	0.50	0.52	1.80	-0.47	2.49	1.40	-0.47	0.91	
		-0.13	0.38		0.65	0.21		0.27	0.06		-0.24	0.26		-0.17	0.10	
3HG3JC	1.75	0.20		1.83	-1.33		2.27	-0.59		1.83	-0.41		1.50	-0.19		
		0.05	0.00		-0.75	0.00		-0.32	0.00		-0.21	0.00		-0.07	0.00	
E8KYJY	1.76	0.22	0.05	2.49	-0.16	0.09	2.46	-0.24	0.18	2.04	0.00	0.38	1.57	0.00	0.57	
		0.06	0.02		-0.09	0.02		-0.13	0.02		0.00	0.04		0.00	0.06	
2ZLAYD	1.56	-0.56	0.02	1.95	-1.12	0.09	4.32	3.15	0.00	1.60	-0.87	0.71	1.18	-1.08	0.09	
		-0.14	0.01		-0.63	0.02		1.73	0.00		-0.45	0.08		-0.39	0.01	
2RDHVB	1.87	0.65	0.19	2.66	0.14	0.55	2.58	-0.02	1.18	2.29	0.48	2.37	1.76	0.53	0.77	
		0.17	0.06		0.08	0.13		-0.01	0.13		0.25	0.25		0.19	0.09	
3B3GB8	2.40	2.74	0.32	3.57	1.75	0.25	3.40	1.47	0.90	1.57	-0.92	0.54	1.77	0.54	0.52	
		0.70	0.10		0.99	0.06		0.81	0.10		-0.48	0.06		0.20	0.06	
YNEK8D	1.47	-0.91	3.82	3.03	0.79	0.64	3.26	1.21	0.19	2.44	0.76	0.32	2.01	1.22	0.33	
		-0.23	1.20		0.45	0.15		0.66	0.02		0.39	0.03		0.44	0.04	
BX698W	1.76	0.24	0.13	2.48	-0.17	0.24	2.47	-0.22	0.05	2.12	0.15	0.50	1.53	-0.10	0.55	
		0.06	0.04		-0.10	0.06		-0.12	0.01		0.08	0.05		-0.04	0.06	
K4H7TN	1.37	-1.31	0.18	2.13	-0.79	0.49	2.17	-0.78	0.52	1.67	-0.73	0.54	1.67	0.27	0.52	
		-0.33	0.06		-0.45	0.12		-0.43	0.06		-0.38	0.06		0.10	0.06	
4TXAV7	1.62	-0.31		2.18	-0.71		2.20	-0.72		1.72	-0.63		1.31	-0.72		
		-0.08	0.00		-0.40	0.00		-0.39	0.00		-0.32	0.00		-0.26	0.00	
EJR4AR	1.70	0.00	0.00	2.90	0.57	2.97	2.53	-0.11	0.52	2.07	0.05	0.54	1.70	0.36	0.00	
		0.00	0.00		0.32	0.69		-0.06	0.06		0.02	0.06		0.13	0.00	
6UNU32	1.90	0.77	0.06	2.44	-0.25	0.06	3.61	1.87	0.61	2.10	0.11	0.71	1.56	-0.04	1.01	
		0.20	0.02		-0.14	0.01		1.02	0.07		0.06	0.08		-0.01	0.11	
GPT3XM	1.65	-0.20	0.19	2.71	0.23	0.23	2.73	0.26	0.49	2.25	0.40	0.43	1.52	-0.14	1.21	
		-0.05	0.06		0.13	0.05		0.14	0.05		0.21	0.05		-0.05	0.13	
D79YPQ	1.78	0.33	0.10	2.56	-0.03	0.26	2.62	0.05	0.46	1.91	-0.25	0.38	1.56	-0.03	0.96	
		0.08	0.03		-0.02	0.06		0.03	0.05		-0.13	0.04		-0.01	0.11	
XJT9V6	1.55	-0.57	0.78	2.58	0.00	1.41	2.47	-0.23	3.16	0.34	-3.31	0.30	1.66	0.25	0.98	
		-0.15	0.24		0.00	0.33		-0.13	0.35		-1.71	0.03		0.09	0.11	
Grand Median		1.70			2.58			2.59			2.04			1.57		
Median Abs Dev		0.14			0.32			0.14			0.24			0.13		
Avg Within Lab SD		0.31			0.23			0.11			0.11			0.11		
Labs Included		17			17			17			17			17		
Labs Reporting		17			17			17			17			17		



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

SOM - LOI (% Wt loss) (SubTestCode 183)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
UJH8JT	2.13	-0.70	0.34	2.74	-0.47	0.40	2.52	-0.92	0.12	2.31	-0.39	0.59	1.37	-1.52	0.11
		-0.33	0.04		-0.09	0.04		-0.91	0.06		-0.10	0.05		-0.26	0.01
ETFYA8	2.38	-0.17	0.15	2.81	-0.13	0.07	2.78	-0.66	0.03	2.39	-0.07	0.25	1.66	0.19	0.21
		-0.08	0.02		-0.03	0.01		-0.66	0.01		-0.02	0.02		0.03	0.02
WN8QDL	2.24	-0.46	0.17	2.52	-1.63	0.39	2.37	-1.08	0.07	2.20	-0.82	0.31	1.49	-0.85	0.42
		-0.21	0.02		-0.31	0.04		-1.07	0.03		-0.22	0.02		-0.14	0.04
WPJ78M	2.90	0.95	0.94	3.10	1.39	1.98	3.43	0.00	0.25	2.63	0.83	1.97	1.77	0.80	0.61
		0.44	0.10		0.27	0.20		0.00	0.12		0.22	0.15		0.14	0.06
QHLKDT	2.73	0.59	0.54	3.03	1.04	1.14	3.30	-0.13	0.22	2.60	0.71	1.29	1.80	0.99	1.06
		0.28	0.06		0.20	0.12		-0.13	0.10		0.19	0.10		0.17	0.10
NM37AU	2.62	0.35	0.90	2.97	0.70	0.58	4.54	1.11	0.26	2.51	0.38	0.71	1.69	0.33	0.34
		0.16	0.10		0.13	0.06		1.10	0.12		0.10	0.06		0.06	0.03
PDR4NU	2.27	-0.41	1.09	2.90	0.35	1.71	2.30	-1.14	0.22	4.07	6.25	2.69	1.73	0.60	0.61
		-0.19	0.12		0.07	0.17		-1.13	0.10		1.65	0.21		0.10	0.06
LU92FX	2.93	1.01	0.55	2.78	-0.26	0.80	3.86	0.43	0.91	2.73	1.21	1.20	1.61	-0.10	1.78
		0.47	0.06		-0.05	0.08		0.43	0.42		0.32	0.09		-0.02	0.17
WP3AEN	1.55	-1.94	1.63	2.92	0.47	2.57	1.53	-1.92	0.46	2.51	0.38	2.90	1.63	0.02	5.00
		-0.91	0.17		0.09	0.26		-1.90	0.21		0.10	0.22		0.00	0.47
9JB2YB	2.41	-0.11	0.36	2.87	0.21	0.60	3.69	0.26	0.11	2.44	0.11	0.15	1.83	1.15	0.24
		-0.05	0.04		0.04	0.06		0.25	0.05		0.03	0.01		0.20	0.02
JMZPA2	2.76	0.66	0.33	2.63	-1.04	1.22	3.67	0.24	0.14	2.22	-0.72	0.15	1.35	-1.62	0.50
		0.31	0.04		-0.20	0.12		0.24	0.07		-0.19	0.01		-0.28	0.05
PD8M9Q	1.70	-1.62	0.94	2.70	-0.70	2.96	2.37	-1.08	0.54	2.07	-1.31	0.75	1.57	-0.37	0.61
		-0.76	0.10		-0.13	0.30		-1.07	0.25		-0.35	0.06		-0.06	0.06
4XUXCD	2.37	-0.19	0.54	2.63	-1.04	0.57	3.00	-0.44	0.00	2.27	-0.55	0.75	1.37	-1.54	0.61
		-0.09	0.06		-0.20	0.06		-0.43	0.00		-0.15	0.06		-0.26	0.06
YM93AG	2.66	0.43	0.57	2.84	0.03	0.62	3.48	0.04	0.31	2.44	0.09	0.52	1.72	0.51	0.27
		0.20	0.06		0.01	0.06		0.04	0.14		0.02	0.04		0.09	0.03
Z9LAXF	3.00	1.16	0.00	3.10	1.39	0.00	3.63	0.20	0.12	2.73	1.21	0.75	1.83	1.19	0.61
		0.54	0.00		0.27	0.00		0.20	0.06		0.32	0.06		0.20	0.06
QP24XR	3.19	1.57	1.26	3.06	1.19	0.22	4.00	0.57	0.33	2.65	0.91	1.41	1.60	-0.19	0.82
		0.74	0.13		0.23	0.02		0.57	0.15		0.24	0.11		-0.03	0.08
ZTQT9G	2.94	1.03	0.29	2.97	0.71	0.30	4.85	1.43	0.11	2.47	0.23	0.71	1.67	0.21	0.61
		0.48	0.03		0.14	0.03		1.41	0.05		0.06	0.06		0.04	0.06
HML4ZY	2.31	-0.31	0.29	2.78	-0.28	0.45	2.70	-0.74	0.09	2.27	-0.53	0.73	1.57	-0.33	0.53
		-0.14	0.03		-0.05	0.05		-0.73	0.04		-0.14	0.06		-0.06	0.05
JDB3EY	2.39	-0.14	0.00	2.58	-1.34	0.23	4.30	0.87	0.12	2.23	-0.68	0.37	1.28	-2.06	0.24
		-0.07	0.00		-0.26	0.02		0.86	0.06		-0.18	0.03		-0.35	0.02
N7UE8P	2.54	0.19	0.48	2.84	0.03	0.45	4.21	0.78	0.13	2.42	0.03	0.65	1.63	0.00	0.21
		0.09	0.05		0.01	0.05		0.77	0.06		0.01	0.05		0.00	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
9P39J6	3.26	1.73	0.24	2.95	0.59	0.15	5.01	1.59	0.05	2.53	0.44	0.26	1.66	0.18	0.11
KJBZ3T	2.53	0.81	0.03	3.20	0.11	0.02	4.10	1.57	0.02	2.60	0.12	0.02	1.77	0.03	0.01
VMZPEH	2.30	0.16	3.03	2.67	1.92	1.71	3.10	0.67	1.34	2.15	0.71	0.00	1.50	0.80	1.22
ZNYNFD	1.74	0.08	0.32	2.80	0.37	0.17	2.87	0.67	0.62	2.26	0.19	0.00	1.59	0.14	0.12
E8KYJY	2.13	-0.34	0.44	2.67	-0.85	0.65	3.70	-0.34	0.07	2.17	-1.01	0.20	1.47	-0.78	0.22
XD4VUG	2.29	-0.16	0.05	2.70	-0.16	0.07	3.88	-0.34	0.03	2.31	-0.27	0.02	1.59	-0.13	0.02
9GTK67	2.70	-1.53	1.18	2.93	-0.16	1.16	3.20	-0.57	0.07	2.53	-0.59	1.42	1.63	-0.23	1.30
Q2DTBN	2.64	-0.72	0.13	2.87	-0.03	0.12	2.91	-0.57	0.03	2.52	-0.16	0.11	1.98	-0.04	0.12
WWZ2MH	2.71	-0.69	0.54	3.01	-0.87	0.57	3.39	0.27	0.22	2.47	-0.93	0.75	1.76	-0.95	1.22
MFPVJN	1.90	-0.32	0.06	2.47	-0.17	0.06	4.00	0.27	0.10	2.03	-0.25	0.06	1.40	-0.16	0.12
2RDHVB	2.98	-0.36	0.12	3.17	-0.69	0.36	4.45	0.45	0.02	2.86	-0.39	0.42	1.87	-0.26	0.29
6J7BH6	2.18	-0.17	0.01	2.70	-0.13	0.04	3.19	0.44	0.01	2.20	-0.10	0.03	1.52	-0.04	0.03
ZT92XC	2.46	0.52	0.94	2.90	0.52	0.57	4.30	-0.24	0.22	2.42	0.45	0.75	1.67	0.02	0.61
V3RMFD	2.50	0.24	0.10	2.80	0.10	0.06	4.30	-0.23	0.10	2.33	0.12	0.06	1.57	0.00	0.06
PZ7RCJ	2.24	0.40	0.44	2.73	0.19	0.45	4.00	-0.52	0.04	2.31	0.42	0.45	1.56	2.03	0.65
RF99BG	2.27	0.19	0.05	2.83	0.04	0.05	3.60	-0.52	0.02	2.40	0.11	0.04	1.80	0.35	0.06
BX698W	2.53	0.53	0.05	2.86	0.93	0.00	3.11	-0.05	0.00	2.42	0.20	0.00	1.73	0.74	0.00
7KWVN2	2.16	0.25	0.01	2.75	0.18	0.00	3.11	-0.05	0.00	2.42	0.05	0.00	1.53	0.13	0.00
Y26GAB	3.59	-1.19	0.94	2.91	-1.92	0.57	4.80	-0.98	0.12	2.03	-1.44	0.75	1.40	-1.34	0.00
4TXAV7	3.10	-0.56	0.10	2.47	-0.37	0.06	4.00	-0.97	0.06	2.86	-0.38	0.06	1.56	-0.23	0.00
4QUEC3	4.48	1.13	1.24	3.17	1.74	0.66	3.68	0.25	0.37	2.86	1.69	0.39	1.87	1.40	0.56
MZTJBK	2.37	0.53	0.10	2.90	0.33	0.07	4.45	0.25	0.17	2.20	0.45	0.03	1.52	0.24	0.05
		-0.59	0.10	2.70	-0.71	0.15	4.45	1.02	6.27	2.20	-0.81	0.13	1.52	-0.66	0.16
		-0.27	0.01	2.70	-0.14	0.02	3.19	1.01	2.91	2.20	-0.21	0.01	1.52	-0.11	0.02
		0.00	1.12	2.90	0.37	0.56	3.19	-0.25	0.34	2.42	0.04	0.52	1.67	0.21	0.43
		0.00	0.12	2.90	0.07	0.06	3.19	-0.25	0.16	2.42	0.01	0.04	1.67	0.04	0.04
		0.09		2.80	-0.17	0.00	4.30	0.87	0.22	2.33	-0.30	0.75	1.57	-0.37	0.61
		0.04	0.00	2.80	-0.03	0.00	4.30	0.87	0.10	2.33	-0.08	0.06	1.57	-0.06	0.06
		-0.46	0.25	2.73	-0.54	0.17	4.00	0.58	0.25	2.31	-0.39	0.56	1.56	-0.41	0.32
		-0.22	0.03	2.73	-0.10	0.02	4.00	0.57	0.12	2.31	-0.10	0.04	1.56	-0.07	0.03
		-0.41	2.37	2.83	0.00	1.14	3.60	0.17	0.43	2.40	-0.05	1.29	1.63	0.02	0.61
		-0.19	0.25	2.83	0.00	0.12	3.60	0.17	0.20	2.40	-0.01	0.10	1.63	0.00	0.06
		0.16	0.09	2.86	0.12	0.06	3.11	-0.32	0.01	2.42	0.04	0.15	1.73	0.60	0.34
		0.07	0.01	2.86	0.02	0.01	3.11	-0.32	0.01	2.42	0.01	0.01	1.73	0.10	0.03
		-0.63	0.47	2.75	-0.44	0.94	2.25	-1.20	0.02	2.34	-0.26	1.16	1.52	-0.62	0.98
		-0.29	0.05	2.75	-0.08	0.10	2.25	-1.19	0.01	2.34	-0.07	0.09	1.52	-0.11	0.09
		2.42	1.41	2.91	0.38	1.50	6.02	2.61	0.40	2.65	0.89	1.64	1.61	-0.14	1.34
		1.13	0.15	2.91	0.07	0.15	6.02	2.59	0.19	2.65	0.24	0.13	1.61	-0.02	0.13
		1.38		2.80	-0.17		4.80	1.38		2.40	-0.05		1.80	0.99	
		0.64	0.00	2.80	-0.03	0.00	4.80	1.37	0.00	2.40	-0.01	0.00	1.80	0.17	0.00
		4.33	0.50	3.67	4.39	0.06	2.20	-1.24	0.07	3.07	2.50	0.75	5.68	23.64	1.41
		2.02	0.05	3.67	0.84	0.01	2.20	-1.23	0.03	3.07	0.66	0.06	5.68	4.05	0.13
		-0.19	3.03	2.80	-0.17	1.98	3.70	0.27	0.94	2.40	-0.05	1.29	1.53	-0.56	0.61
		-0.09	0.32	2.80	-0.03	0.20	3.70	0.27	0.44	2.40	-0.01	0.10	1.53	-0.10	0.06



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
HU3FFL	2.71	0.53	0.38	2.95	0.63	0.11	4.12	0.69	0.17	2.41	0.00	0.20	1.61	-0.12	0.11
		0.25	0.04		0.12	0.01		0.69	0.08		0.00	0.02		-0.02	0.01
GF8XQM	2.20	-0.55	0.94	2.63	-1.04	1.14	2.60	-0.84	0.37	2.17	-0.93	1.49	1.90	1.58	1.06
		-0.26	0.10		-0.20	0.12		-0.83	0.17		-0.25	0.12		0.27	0.10
N6HFCF	2.56	0.22	0.99	2.94	0.56	0.75	3.40	-0.03	0.26	2.49	0.28	0.82	1.73	0.60	0.55
		0.10	0.11		0.11	0.08		-0.03	0.12		0.07	0.06		0.10	0.05
9KRXTW	2.38	-0.17	0.08	2.79	-0.25	0.04	3.29	-0.15	0.08	2.26	-0.56	0.07	1.60	-0.17	0.01
		-0.08	0.01		-0.05	0.00		-0.15	0.04		-0.15	0.01		-0.03	0.00
Grand Median		2.46			2.83			3.43			2.41			1.63	
Median Abs Dev		0.24			0.11			0.57			0.12			0.10	
Avg Within Lab SD		0.11			0.10			0.46			0.08			0.09	
Labs Included		45			45			45			45			45	
Labs Reporting		46			46			46			46			46	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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: %				
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610						SRSSRS1610				
PD8M9Q	2.87	0.90	2.93	0.66	4.48	0.51	2.56	0.41	1.69	0.10					
		0.15		0.09		0.11		0.04		0.01					
VMZPEH	2.13	0.25	2.47	0.43	2.85	0.11	2.00	0.09	1.41	0.15					
		0.04		0.06		0.03		0.01		0.02					
E8KYJY	2.23	0.35	2.77	0.41	3.80	0.45	2.27	0.54	1.47	1.11					
		0.06		0.06		0.10		0.06		0.12					
9WKG82	2.67	1.74	2.67	1.79	4.73	1.88	2.80	1.88	1.60	1.66					
		0.29		0.25		0.42		0.20		0.17					
Grand Median	2.45		2.72		4.14		2.41		1.53						
Median Abs Dev															
Avg Within Lab SD	0.17		0.14		0.22		0.11		0.10						
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		

CaCO3 Content (SubTestCode 185)	in the Content Property Groups										Data units: Percent					
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
2V9A2L	1.35	-0.11	0.23				10.03	0.00	0.75							
		-0.08	0.03					0.00	0.25							
QHLKDT	2.16	1.02	0.32	0.41	0.53	0.23	2.34	-2.54	0.12		1.34	2.00	0.58	2.00		
		0.73	0.04		0.08	0.03		-7.70	0.04			0.04		0.03		
4XUXCD	0.80	-0.88	0.00	0.10	-1.53	0.00	9.57	-0.15	0.92		0.10	0.00	0.10	0.00		
		-0.63	0.00		-0.23	0.00		-0.47	0.31			0.00		0.00		
Z9LAXF	2.03	0.84	0.52	0.33	0.00	0.46	12.80	0.91	0.00		0.70	0.00	0.40	0.00		
		0.60	0.06		0.00	0.06		2.77	0.00			0.00		0.00		
4TXAV7	1.51	0.11		0.46	0.83		11.50	0.48			0.58					
		0.08	0.00		0.13	0.00		1.47	0.00			0.00				
GPT3XM							8.39	-0.54	0.19							
								-1.65	0.06							
N6HFCF	0.65	-1.09	2.36	0.26	-0.48	2.18	10.28	0.08	2.35				0.17			
		-0.78	0.26		-0.07	0.27		0.25	0.79					0.00		
Grand Median		1.43			0.33			10.0				0.64		0.28		
Median Abs Dev		0.62			0.08			1.5								
Avg Within Lab SD		0.11			0.13			0.3				0.02		0.01		
Labs Included		6			5			7				4		4		
Labs Reporting		6			5			7				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		

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups															Data units: cmol/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
2V9A2L	22.18	0.35	0.05	8.53	-0.08	0.04	24.92	0.43	0.06	10.60	0.15	0.49	4.53	0.05	0.39
		1.00	0.03		-0.15	0.01		2.70	0.03		0.32	0.10		0.03	0.06
LU92FX	18.29	-1.01	0.89	6.07	-1.34	2.67	17.54	-0.75	0.19	8.97	-0.62	1.03	4.37	-0.21	1.96
		-2.90	0.50		-2.61	0.80		-4.68	0.10		-1.31	0.21		-0.13	0.29
PD8M9Q	20.57	-0.21	0.67	8.83	0.08	0.10	17.33	-0.79	1.84	9.97	-0.15	1.01	4.62	0.18	1.58
		-0.62	0.38		0.15	0.03		-4.89	0.95		-0.32	0.21		0.12	0.23
Z9LAXF	26.00	1.67		11.00	1.19		27.67	0.87	1.12	13.00	1.29		5.00	0.78	
		4.82	0.00		2.32	0.00		5.45	0.58		2.72	0.00		0.50	0.00
E8KYJY	19.23	-0.68		6.93	-0.90		19.48	-0.44		9.63	-0.31		3.91	-0.92	
		-1.95	0.00		-1.75	0.00		-2.74	0.00		-0.65	0.00		-0.59	0.00
4TXAV7	25.00	1.33		10.50	0.93		26.70	0.72		13.40	1.48		6.05	2.43	
		3.82	0.00		1.82	0.00		4.48	0.00		3.12	0.00		1.55	0.00
EJR4AR	20.97	-0.08	2.55	8.83	0.08	0.77	28.20	0.96	1.78	12.60	1.10	2.12	4.47	-0.05	0.79
		-0.22	1.42		0.15	0.23		5.98	0.92		2.32	0.44		-0.03	0.12
D79YPQ	21.40	0.08	0.52	7.13	-0.80	0.52	19.53	-0.43	0.37	9.67	-0.29	1.08	4.01	-0.76	0.93
		0.22	0.29		-1.55	0.16		-2.70	0.19		-0.61	0.22		-0.49	0.14
Grand Median		21.2		8.68			22.2			10.3			4.50		
Median Abs Dev		1.5		1.65			4.6			1.0			0.31		
Avg Within Lab SD		0.6		0.30			0.5			0.2			0.15		
Labs Included		8		8			8			8			8		
Labs Reporting		8		8			8			8			8		



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

CEC - Estimation (SubTestCode 187)	in the Other 1 Property Groups												Data units: cmol/kg		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
WPJ78M	29.50	0.48	1.16	10.73	1.37	1.48	77.30	-0.23	0.23	20.20	2.30	1.11	6.67	0.57	1.17
		2.79	1.18		2.63	0.49		-5.41	0.87		9.03	0.52		0.73	0.31
QHLKDT	26.71	0.00	1.10	6.91	-0.62	0.77	84.79	0.09	1.47	8.72	-0.62	0.36	4.49	-1.12	0.69
		0.00	1.12		-1.19	0.26		2.08	5.55		-2.45	0.17		-1.44	0.18
NM37AU	26.28	-0.07	0.14	9.07	0.51	0.80	95.42	0.53	0.25	13.69	0.64	0.09	6.69	0.59	0.16
		-0.43	0.15		0.97	0.27		12.71	0.94		2.52	0.04		0.76	0.04
ZTQT9G	24.83	-0.32	1.13	5.57	-1.31	0.17	110.90	1.18	2.02	7.40	-0.96	0.21	3.80	-1.66	0.00
		-1.87	1.15		-2.53	0.06		28.19	7.63		-3.77	0.10		-2.13	0.00
HML4ZY	19.07	-1.32	0.79	9.47	0.71	1.75				14.03	0.73	0.86	6.10	0.13	2.39
		-7.64	0.80		1.37	0.59					2.87	0.40		0.17	0.62
XD4VUG	22.03	-0.81	1.25	7.13	-0.50	0.79	37.95	-1.87	0.10	8.97	-0.56	0.14	4.88	-0.82	0.52
		-4.68	1.27		-0.97	0.26		-44.76	0.36		-2.20	0.07		-1.06	0.14
7KWVN2	29.83	0.54	0.45	9.07	0.50	1.21	77.00	-0.24	0.43	12.20	0.26	0.43	7.10	0.91	0.38
		3.13	0.46		0.97	0.40		-5.71	1.61		1.03	0.20		1.17	0.10
9WKG82	35.33	1.49	0.91	7.03	-0.55	0.17	110.90	1.18	0.76	11.17	0.00	2.45	5.93	0.00	0.80
		8.63	0.92		-1.07	0.06		28.19	2.85		0.00	1.15		0.00	0.21
MAXQQK	32.67	1.03	1.39	8.10	0.00	0.60	80.63	-0.09	0.93	11.13	-0.01	0.81	5.57	-0.28	0.59
		5.96	1.42		0.00	0.20		-2.08	3.50		-0.03	0.38		-0.37	0.15
Grand Median		26.7		8.10			82.7			11.2			5.93		
Median Abs Dev		3.1		1.07			9.2			2.4			0.76		
Avg Within Lab SD		1.0		0.33			3.8			0.5			0.26		
Labs Included		9		9			8			9			9		
Labs Reporting		9		9			8			9			9		



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

Soil Density (Scoop) (SubTestCode 188)	in the Other 1 Property Groups															Data units: g/cc
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610			
2V9A2L	1.32	0.84	0.21	1.42	1.07	0.30	1.48	1.44	0.23	1.53	0.54	0.19	1.74	1.20	0.74	
		0.13	0.01		0.20	0.01		0.19	0.01		0.08	0.01		0.18	0.02	
QHLKDT	1.27	0.56	0.10	1.41	0.97	0.73	1.29	0.00	0.26	1.54	0.61	0.11	1.58	0.11	0.42	
		0.08	0.00		0.18	0.03		0.00	0.01		0.09	0.00		0.02	0.01	
Z9HQBC	1.31	0.77	0.24	1.50	1.49	0.41	1.36	0.57	0.31	1.56	0.69	0.46	1.70	0.92	0.43	
		0.12	0.01		0.28	0.02		0.08	0.01		0.10	0.01		0.14	0.01	
Z4BZ87	1.09	-0.64	2.31	1.22	0.00	1.03	1.19	-0.76	1.95	1.33	-0.86	2.29	1.36	-1.36	2.34	
		-0.10	0.06		0.00	0.04		-0.10	0.05		-0.13	0.07		-0.20	0.06	
MAXQQK	1.19	0.00	0.72	1.15	-0.37	2.14	1.29	0.00	1.65	1.45	0.00	0.97	1.56	0.00	0.49	
		0.00	0.02		-0.07	0.08		0.00	0.04		0.00	0.03		0.00	0.01	
MZTJBK	1.01	-1.19	0.95	1.12	-0.55	0.68	1.09	-1.47	0.46	1.26	-1.31	0.67	1.54	-0.16	0.43	
		-0.18	0.03		-0.10	0.03		-0.19	0.01		-0.19	0.02		-0.02	0.01	
N6HFCF	1.08	-0.73	0.36	1.17	-0.27	0.30	1.22	-0.48	0.23	1.35	-0.70	0.34	1.42	-0.97	0.43	
		-0.11	0.01		-0.05	0.01		-0.06	0.01		-0.10	0.01		-0.14	0.01	
Grand Median		1.19		1.22			1.29			1.45			1.56			
Median Abs Dev		0.11		0.10			0.08			0.10			0.14			
Avg Within Lab SD		0.03		0.04			0.03			0.03			0.02			
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		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	29.2	0.1	1.0	52.5	0.0		24.2	-0.3	1.0	50.8	0.0	1.5	74.2	-0.2	1.4
		1.2	1.4		0.0	0.0		-2.6	1.4		-0.2	1.4		-0.8	1.4
2V9A2L	20.7	-0.9	1.1	47.7	-1.0	0.4	20.7	-0.8	1.6	52.7	0.4	1.2	77.3	0.6	0.6
		-7.3	1.5		-4.9	0.6		-6.1	2.3		1.7	1.2		2.3	0.6
ETFYA8	29.0	0.1	1.4	54.3	0.4	0.4	31.4	0.6	0.4	52.0	0.2	0.9	76.7	0.4	0.3
		1.1	2.0		1.8	0.6		4.6	0.5		1.0	0.9		1.7	0.3
QHLKDT	28.0	0.0	1.2	53.7	0.2	0.4	27.0	0.0	0.7	51.0	0.0	1.0	75.7	0.2	1.1
		0.1	1.7		1.1	0.6		0.2	1.0		0.0	1.0		0.7	1.2
NM37AU	27.6	0.0	0.7	53.6	0.2	0.8	28.3	0.2	0.9	50.9	0.0	0.2	76.9	0.5	0.2
		-0.3	1.1		1.1	1.1		1.5	1.3		-0.1	0.2		1.9	0.2
LU92FX	29.0	0.1		50.0	-0.5		21.0	-0.8		50.0	-0.2		74.0	-0.2	
		1.1	0.0		-2.5	0.0		-5.8	0.0		-1.0	0.0		-1.0	0.0
YM93AG	36.3	1.0	0.8	49.6	-0.6	3.2	20.4	-0.9	1.0	51.6	0.1	3.2	74.0	-0.2	2.8
		8.3	1.2		-2.9	4.2		-6.4	1.4		0.6	3.2		-1.0	2.9
Z9LAXF	25.3	-0.3	0.8	51.3	-0.2	1.8	18.7	-1.1	0.8	48.7	-0.6	1.2	75.0	0.0	2.6
		-2.6	1.2		-1.2	2.3		-8.1	1.2		-2.3	1.2		0.0	2.6
QP24XR	47.3	2.3	0.8	56.7	0.9	0.9	32.0	0.7		54.0	0.7		78.0	0.7	
		19.4	1.2		4.1	1.2		5.2	0.0		3.0	0.0		3.0	0.0
ZTQT9G	18.1	-1.2	1.2	43.5	-1.9	0.6	22.1	-0.6	0.5	47.4	-0.9	0.6	73.1	-0.4	0.7
		-9.8	1.7		-9.1	0.8		-4.7	0.7		-3.6	0.6		-1.9	0.8
HML4ZY	29.0	0.1		55.0	0.5		39.0	1.6		51.0	0.0		81.0	1.4	
		1.1	0.0		2.5	0.0		12.2	0.0		0.0	0.0		6.0	0.0
9P39J6	28.6	0.1	0.0	70.2	3.7	0.0	27.8	0.1	0.0	61.6	2.6	0.0	76.4	0.3	0.0
		0.7	0.0		17.7	0.0		1.0	0.0		10.6	0.0		1.4	0.0
3HG3JC	20.0	-0.9		51.0	-0.3		31.0	0.6		46.0	-1.2		72.0	-0.7	
		-7.9	0.0		-1.5	0.0		4.2	0.0		-5.0	0.0		-3.0	0.0
XD4VUG	27.9	0.0		51.9	-0.1		27.8	0.1		51.8	0.2		75.8	0.2	
		0.0	0.0		-0.6	0.0		1.1	0.0		0.8	0.0		0.8	0.0
Z9HQBC	20.3	-0.9	0.8	47.0	-1.1	1.5	20.3	-0.9	0.8	47.0	-1.0		73.0	-0.5	
		-7.6	1.2		-5.5	2.0		-6.5	1.2		-4.0	0.0		-2.0	0.0
F4VC3W	35.5	0.9	2.4	58.1	1.1	1.9	44.5	2.4	2.7	61.7	2.6	1.2	82.0	1.6	1.9
		7.6	3.5		5.6	2.5		17.7	4.0		10.7	1.2		7.0	2.0
RF99BG	34.7	0.8	2.1	55.3	0.6	0.9	25.3	-0.2	0.8	50.0	-0.2	2.0	76.7	0.4	1.1
		6.7	3.1		2.8	1.2		-1.5	1.2		-1.0	2.0		1.7	1.2
EDQREV	24.7	-0.4	0.8	49.3	-0.7	0.9	18.3	-1.1	0.8	45.7	-1.3	1.2	70.3	-1.1	1.1
		-3.3	1.2		-3.2	1.2		-8.5	1.2		-5.3	1.2		-4.7	1.2
XXB2JC	21.8	-0.7	0.1	53.3	0.2	0.2	26.6	0.0	0.2	53.3	0.6	0.2	79.2	1.0	0.2
		-6.1	0.1		0.7	0.3		-0.2	0.3		2.3	0.2		4.2	0.2
4TXAV7	17.6	-1.2		53.8	0.3					48.9	-0.5		76.8	0.4	
		-10.3	0.0		1.3	0.0					-2.1	0.0		1.8	0.0



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
4QUEC3	18.0	-1.2		48.7	-0.8	0.9	19.3	-1.0	0.8	47.3	-0.9	1.2	73.3	-0.4	1.1
		-9.9	0.0		-3.9	1.2		-7.5	1.2		-3.7	1.2		-1.7	1.2
Z4BZ87	24.5	-0.4	0.6	52.5	0.0	0.7	25.7	-0.1	0.7	49.9	-0.3	0.4	74.1	-0.2	0.2
		-3.5	0.8		0.0	0.9		-1.1	1.0		-1.1	0.4		-0.9	0.2
ACVHGX	29.2	0.2	0.0	53.9	0.3	0.5	25.1	-0.2	0.1	54.4	0.8	1.2	77.2	0.5	0.4
		1.3	0.0		1.4	0.6		-1.7	0.1		3.4	1.2		2.2	0.4
MZTJBK	29.4	0.2		55.2	0.6		30.6	0.5		54.0	0.7		74.4	-0.1	
		1.5	0.0		2.7	0.0		3.8	0.0		3.0	0.0		-0.6	0.0
6UNU32	18.0	-1.2		50.0	-0.5		25.0	-0.2		52.0	0.2		74.0	-0.2	
		-9.9	0.0		-2.5	0.0		-1.8	0.0		1.0	0.0		-1.0	0.0
GPT3XM	40.7	1.5	1.0	58.6	1.3	0.2	35.9	1.2	0.6	54.0	0.7	1.0	81.1	1.5	0.7
		12.8	1.5		6.1	0.2		9.1	0.9		3.0	0.9		6.1	0.8
D79YPQ	20.2	-0.9	0.0	48.2	-0.9	0.0	28.2	0.2	0.0	48.2	-0.7	0.0	74.9	0.0	1.1
		-7.7	0.0		-4.3	0.0		1.4	0.0		-2.8	0.0		-0.1	1.2
N6HFCF	19.1	-1.0	1.8	51.0	-0.3	1.8	35.9	1.2	2.7	46.8	-1.0	0.6	72.1	-0.7	0.6
		-8.9	2.5		-1.5	2.3		9.1	3.9		-4.2	0.6		-2.9	0.7
9KRXTW	36.3	1.0	1.9	54.6	0.4	0.5	34.8	1.1	2.0	54.4	0.8	0.6	54.5	-4.8	0.9
		8.3	2.7		2.1	0.7		8.0	2.9		3.4	0.6		-20.5	0.9
Grand Median		27.9		52.5			26.8			51.0			75.0		
Median Abs Dev		6.7		2.5			4.6			2.3			1.8		
Avg Within Lab SD		1.4		1.3			1.5			1.0			1.0		
Labs Included		29		29			28			29			29		
Labs Reporting		29		29			28			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		

Silt 50 - 2 um (SubTestCode 190)	in the Particle Size Analysis Property Groups												Data units: Percent		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
P2ZHHY	46.3	-0.2	0.9	34.2	0.1	1.3	67.5	0.2		32.5	0.2		17.5	0.3	
		-1.8	1.3		0.8	1.4		3.2	0.0		1.2	0.0		0.8	0.0
		1.0	1.1		1.4	0.9		0.8	1.4		0.1	1.8		0.0	0.6
2V9A2L	57.3	9.3	1.5	41.0	7.7	1.0	75.3	11.0	2.3	32.0	0.7	2.0	16.7	0.0	0.6
		-0.1	1.4		-0.3	0.5		-2.0	0.7		0.0	0.5		0.0	0.6
ETFYA8	47.0	-1.0	2.0	31.7	-1.7	0.6	37.7	-26.6	1.2	31.3	0.0	0.6	16.7	0.0	0.6
		-0.1	0.7		-0.4	1.1		0.0	0.3		-0.4	1.4		0.1	1.8
QHLKDT	47.0	-1.0	1.0	31.3	-2.0	1.2	63.7	-0.6	0.6	29.7	-1.7	1.5	17.0	0.3	1.7
		-0.2	0.7		-0.3	1.0		0.0	0.8		-0.1	0.8		-0.9	0.2
NM37AU	45.6	-2.4	1.1	31.6	-1.7	1.1	64.9	0.6	1.3	30.9	-0.4	0.9	14.3	-2.4	0.2
		0.0			0.5			0.3			-0.3			-0.3	
LU92FX	48.0	0.0	0.0	36.0	2.7	0.0	68.0	3.7	0.0	30.0	-1.3	0.0	16.0	-0.7	0.0
		-1.0	0.7		-0.5	1.2		0.4	2.0		-0.2	2.0		1.3	3.0
YM93AG	38.5	-9.5	1.0	30.5	-2.8	1.3	69.7	5.4	3.4	30.4	-0.9	2.2	20.0	3.3	2.9
		0.4	1.5		0.4	3.5		-2.0	0.3		0.6	1.0		0.5	2.7
Z9LAXF	51.7	3.7	2.1	35.3	2.0	3.8	37.7	-26.6	0.6	34.3	3.0	1.2	18.0	1.3	2.6
		-2.1	0.8		-0.8	1.8		-0.6			-0.5			-0.6	
QP24XR	27.7	-20.3	1.2	29.0	-4.3	2.0	57.0	-7.3	0.0	29.0	-2.3	0.0	15.0	-1.7	0.0
		1.0	1.4		1.0	0.6		0.4	0.6		-0.5	0.4		-0.6	0.7
ZTQT9G	57.8	9.8	1.9	38.9	5.6	0.6	69.5	5.2	0.9	28.8	-2.5	0.4	15.1	-1.5	0.6
		1.4			1.2			-0.6			0.6			-0.3	
HML4ZY	62.0	14.0	0.0	40.0	6.7	0.0	56.0	-8.3	0.0	34.0	2.7	0.0	16.0	-0.7	0.0
		-0.6	0.0		-4.0	0.0		-0.1	0.0		-3.0			-0.1	0.0
9P39J6	42.3	-5.7	0.0	10.8	-22.6	0.0	63.1	-1.2	0.0	17.0	-14.3	0.0	16.5	-0.2	0.0
		-0.6			-1.8			-2.1			1.0			0.5	
3HG3JC	42.0	-6.0	0.0	23.0	-10.3	0.0	37.0	-27.3	0.0	36.0	4.7	0.0	18.0	1.3	0.0
		0.0			-0.2			-1.2			-0.3			-0.2	
XD4VUG	48.1	0.1	0.0	32.1	-1.3	0.0	48.2	-16.1	0.0	30.1	-1.3	0.0	16.1	-0.6	0.0
		0.0			0.0	1.1		0.1	0.7		0.0	1.0		-0.3	
Z9HQBC	48.0	0.0	0.0	33.3	0.0	1.2	65.3	1.0	1.2	31.3	0.0	1.2	16.0	-0.7	0.0
		1.1	2.0		0.6	1.1		-1.0	2.3		0.4	1.3		-0.2	1.2
F4VC3W	58.6	10.6	2.8	36.9	3.6	1.1	50.7	-13.6	3.9	33.4	2.0	1.5	16.0	-0.6	1.2
		-0.3	3.2		-0.2			0.5			0.9	1.9		0.9	
RF99BG	44.7	-3.3	4.5	32.0	-1.3	0.0	71.0	6.7	0.0	35.7	4.3	2.1	19.0	2.3	0.0
		-0.1	0.8		0.4	1.1		0.7			0.6	1.0		1.6	
EDQREV	47.3	-0.7	1.2	35.3	2.0	1.2	74.0	9.7	0.0	34.3	3.0	1.2	21.0	4.3	0.0
		0.7	0.2		-0.1	0.3		0.3	0.2		0.0	0.2		-0.4	0.1
XXB2JC	54.8	6.8	0.3	32.5	-0.8	0.3	68.2	3.9	0.3	31.4	0.0	0.2	15.5	-1.1	0.1
		1.3			1.2						0.9			1.4	
4TXAV7	60.5	12.5	0.0	40.1	6.8	0.0				35.7	4.4	0.0	20.4	3.7	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
4QUEC3	60.7	1.3	0.8	38.7	0.9	1.1	74.7	0.8	0.7	35.3	0.9	1.0	20.7	1.5	1.2
		12.7	1.2		5.3	1.2		10.4	1.2		4.0	1.2		4.0	1.2
Z4BZ87	52.0	0.4	0.6	35.4	0.4	0.4	68.9	0.4	0.7	33.0	0.4	0.5	19.9	1.2	0.7
		4.0	0.9		2.1	0.4		4.6	1.2		1.7	0.5		3.2	0.6
ACVHGX	47.3	-0.1	0.2	34.6	0.2	0.8	71.4	0.5	0.1	28.8	-0.5	2.0	16.8	0.1	0.8
		-0.7	0.2		1.3	0.9		7.1	0.2		-2.5	2.2		0.1	0.8
MZTJBK	41.8	-0.6		27.5	-1.0		62.4	-0.1		25.4	-1.3		14.8	-0.7	
		-6.2	0.0		-5.8	0.0		-1.9	0.0		-5.9	0.0		-1.9	0.0
6UNU32	55.0	0.7		32.0	-0.2		71.0	0.5		29.0	-0.5		19.0	0.9	
		7.0	0.0		-1.3	0.0		6.7	0.0		-2.3	0.0		2.3	0.0
GPT3XM	38.6	-1.0	0.9	32.8	-0.1	0.7	60.4	-0.3	0.4	30.3	-0.2	0.7	14.1	-1.0	1.3
		-9.4	1.3		-0.5	0.8		-3.9	0.7		-1.0	0.8		-2.6	1.3
D79YPQ	65.2	1.8	0.0	35.2	0.3	0.0	63.2	-0.1	0.0	34.5	0.7	1.0	16.5	-0.1	1.2
		17.2	0.0		1.9	0.0		-1.1	0.0		3.2	1.2		-0.1	1.2
N6HFCF	61.3	1.4	1.2	38.0	0.8	1.1	57.9	-0.5	1.9	37.5	1.3	1.6	20.4	1.4	0.4
		13.3	1.6		4.7	1.2		-6.4	3.2		6.2	1.8		3.7	0.4
9KRXTW	45.2	-0.3	0.8	32.4	-0.2	0.2	36.5	-2.1	2.9	16.9	-3.1	0.2	10.6	-2.3	0.0
		-2.8	1.1		-1.0	0.3		-27.8	4.9		-14.5	0.3		-6.1	0.0
Grand Median		48.0		33.3			64.3			31.3			16.7		
Median Abs Dev		6.0		2.0			6.5			2.3			1.3		
Avg Within Lab SD		1.4		1.1			1.7			1.1			1.0		
Labs Included		29		29			28			29			29		
Labs Reporting		29		29			28			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		

Clay 2 - 0 um (SubTestCode 191)	in the Particle Size Analysis Property Groups															Data units: Percent		
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610					
P2ZHHY	24.6	0.2	0.6	13.3	-0.1	1.2	8.3	0.1	1.7	16.7	-0.2	1.9	8.3	0.3	2.3			
		1.0	0.7		-0.7	1.4		0.7	1.4		-0.6	1.4		1.3	1.4			
2V9A2L	22.0	-0.3	0.0	11.3	-0.6	0.5	4.0	-0.4		15.3	-0.5	1.5	6.0	-0.2				
		-1.6			-2.7	0.6		-3.6	0.0		-1.9	1.2		-1.0	0.0			
ETFYA8	24.0	0.1		13.7	-0.1	0.2	31.0	2.5	1.2	16.0	-0.3	0.7	6.0	-0.2	0.8			
		0.4	0.0		-0.3	0.3		23.4	1.0		-1.3	0.5		-1.0	0.5			
QHLKDT	25.0	0.2	0.9	15.0	0.2	0.8	9.3	0.2	0.7	19.3	0.6	0.8	7.3	0.1	0.9			
		1.4	1.0		1.0	1.0		1.7	0.6		2.1	0.6		0.3	0.6			
NM37AU	26.8	0.5	0.0	14.8	0.2	0.0	6.8	-0.1	0.0	18.1	0.2	1.5	8.8	0.4	0.0			
		3.2	0.0		0.8	0.0		-0.8	0.0		0.9	1.2		1.8	0.0			
LU92FX	23.0	-0.1		14.0	0.0		10.0	0.3		20.0	0.7		10.0	0.7				
		-0.6	0.0		0.0	0.0		2.4	0.0		2.7	0.0		3.0	0.0			
YM93AG	25.2	0.3	0.6	19.9	1.2	2.9	9.9	0.2	3.0	17.9	0.2	1.2	6.0	-0.2	2.2			
		1.6	0.7		5.9	3.5		2.3	2.6		0.6	0.9		-1.0	1.4			
Z9LAXF	23.0	-0.1	0.9	13.3	-0.1	1.3	43.7	3.9	0.7	17.0	-0.1		7.0	0.0				
		-0.6	1.0		-0.7	1.5		36.1	0.6		-0.3	0.0		0.0	0.0			
QP24XR	25.0	0.2		14.3	0.1	1.0	11.0	0.4		17.0	-0.1		7.0	0.0	0.0			
		1.4	0.0		0.3	1.2		3.4	0.0		-0.3	0.0		0.0	0.0			
ZTQT9G	24.1	0.1	0.2	17.6	0.7	0.6	8.3	0.1	0.7	23.8	1.8	0.3	11.7	1.1	0.2			
		0.5	0.2		3.6	0.7		0.7	0.6		6.5	0.2		4.7	0.1			
HML4ZY	9.0	-2.5		5.0	-1.9		5.0	-0.3		15.0	-0.6		3.0	-1.0				
		-14.6	0.0		-9.0	0.0		-2.6	0.0		-2.3	0.0		-4.0	0.0			
9P39J6	29.1	0.9	0.0	19.0	1.0		9.1	0.2	0.0	21.4	1.1	0.0	7.1	0.0	0.0			
		5.5	0.0		5.0	0.0		1.5	0.0		4.1	0.0		0.1	0.0			
3HG3JC	38.0	2.5		26.0	2.5		32.0	2.6		18.0	0.2		10.0	0.7				
		14.4	0.0		12.0	0.0		24.4	0.0		0.7	0.0		3.0	0.0			
XD4VUG	24.0	0.1		16.0	0.4		24.0	1.8		18.1	0.2		8.1	0.3				
		0.4	0.0		2.0	0.0		16.4	0.0		0.8	0.0		1.1	0.0			
Z9HQBC	31.7	1.4	1.0	19.7	1.2	1.0	14.3	0.7	1.3	21.7	1.2	1.5	11.0	1.0				
		8.1	1.2		5.7	1.2		6.7	1.2		4.4	1.2		4.0	0.0			
F4VC3W	5.9	-3.0	0.7	5.0	-1.9	1.2	4.8	-0.3	0.2	4.9	-3.4	1.0	2.0	-1.2	1.2			
		-17.7	0.8		-9.0	1.4		-2.8	0.1		-12.4	0.8		-5.0	0.8			
RF99BG	20.7	-0.5	1.3	12.7	-0.3	1.0	3.7	-0.4	1.2	14.3	-0.8	0.8	4.3	-0.7	1.7			
		-2.9	1.5		-1.3	1.2		-3.9	1.0		-2.9	0.6		-2.7	1.0			
EDQREV	28.0	0.8		15.3	0.3	1.0	6.7	-0.1	1.3	20.0	0.7		8.7	0.4	1.9			
		4.4	0.0		1.3	1.2		-1.0	1.2		2.7	0.0		1.7	1.2			
XXB2JC	23.3	0.0	0.1	14.2	0.0	0.2	5.3	-0.3	0.1	15.3	-0.5	0.2	5.2	-0.4	0.1			
		-0.3	0.1		0.2	0.2		-2.4	0.1		-1.9	0.1		-1.8	0.1			
4TXAV7	21.9	-0.3		6.1	-1.6					15.3	-0.5		2.7	-1.0				
		-1.7	0.0		-8.0	0.0					-2.0	0.0		-4.3	0.0			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
4QUEC3	21.3	-0.4	1.0	12.7	-0.3	1.0	6.0	-0.2		17.3	0.0	1.5	6.0	-0.2	
		-2.3	1.2		-1.3	1.2		-1.6	0.0		0.1	1.2		-1.0	0.0
Z4BZ87	23.5	0.0	1.2	12.1	-0.4	1.1	5.4	-0.2	0.4	17.1	-0.1	0.7	6.0	-0.2	1.4
		-0.1	1.4		-1.9	1.3		-2.2	0.3		-0.2	0.5		-1.0	0.9
ACVHGX	23.6	0.0	0.0	11.5	-0.5	0.2	3.5	-0.4	0.3	16.8	-0.1	1.4	6.0	-0.2	1.1
		0.0	0.0		-2.5	0.2		-4.2	0.2		-0.5	1.1		-1.0	0.7
MZTJBK	28.8	0.9		17.4	0.7		6.9	-0.1		20.6	0.9		10.8	0.9	
		5.2	0.0		3.4	0.0		-0.7	0.0		3.3	0.0		3.8	0.0
6UNU32	27.0	0.6		18.0	0.8		4.0	-0.4		19.0	0.5		7.0	0.0	
		3.4	0.0		4.0	0.0		-3.6	0.0		1.7	0.0		0.0	0.0
GPT3XM	20.7	-0.5	0.3	8.6	-1.1	0.8	3.6	-0.4	0.3	15.7	-0.4	0.2	4.8	-0.5	0.8
		-2.9	0.3		-5.4	1.0		-4.0	0.3		-1.6	0.2		-2.2	0.5
D79YPQ	14.6	-1.5	0.0	16.6	0.5	0.0	8.6	0.1	0.0	17.3	0.0	1.5	8.6	0.4	0.0
		-9.0	0.0		2.6	0.0		1.0	0.0		0.0	1.2		1.6	0.0
N6HFCF	19.6	-0.7	3.4	10.9	-0.6	2.8	6.1	-0.2	1.0	15.7	-0.4	2.4	7.5	0.1	1.7
		-4.0	3.9		-3.1	3.3		-1.5	0.9		-1.6	1.8		0.5	1.1
9KRXTW	18.5	-0.9	3.0	13.0	-0.2	0.4	28.7	2.3	2.7	28.8	3.1	1.0	34.9	6.8	1.5
		-5.1	3.4		-1.0	0.5		21.1	2.3		11.5	0.8		27.9	0.9
Grand Median		23.6		14.0			7.62			17.3			7.00		
Median Abs Dev		2.3		2.5			2.50			1.7			1.60		
Avg Within Lab SD		1.1		1.2			0.87			0.8			0.62		
Labs Included		29		29			28			29			29		
Labs Reporting		29		29			28			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		

	Field Moisture Capacity (SubTestCode 192)		in the Moisture Property Groups				Data units: %			
	SRSSRS1606		SRSSRS1607		SRSSRS1608		SRSSRS1609	SRSSRS1610		
ESKYJY	31.5	1.0	24.0	1.0	34.7	1.0	18.3	1.0	8.8	1.0
		0.3		0.0		0.1		0.0		0.3
Grand Median	31.5		24.0		34.7		18.3		8.84	
Median Abs Dev										
Avg Within Lab SD	0.3		0.0		0.1		0.0		0.33	
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		

Permanent Wilting Point (SubTestCode 193)	in the Moisture Property Groups				Data units: %					
SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610						
E8KYJY	11.73	1.00 0.09	5.31	1.00 0.03	17.42	1.00 0.01	6.82	1.00 0.04	2.62	1.00 0.11
Grand Median	11.7		5.31		17.4		6.82		2.62	
Median Abs Dev										
Avg Within Lab SD	0.1		0.03		0.0		0.04		0.11	
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: %
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610				
E8KYJY	19.7	1.0	18.7	1.0	17.2	1.0	11.5	1.0	6.2	1.0	
	0.2		0.0		0.1		0.0		0.2		
Grand Median	19.7		18.7		17.2		11.5		6.23		
Median Abs Dev											
Avg Within Lab SD	0.2		0.0		0.1		0.0		0.22		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Solvita CO2 Soil Respiration Test (SubTestCode 196) in the Other 2 Property Groups															Data units: mg/kg
	SRSSRS1606			SRSSRS1607			SRSSRS1608			SRSSRS1609			SRSSRS1610		
2V9A2L	37.9	-0.1	0.4	19.2	-0.5	0.1	16.8	-0.5	0.1	14.4	0.1	0.1	13.8	0.5	0.1
		-4.3	8.0		-18.3	1.5		-17.0	1.8		1.7	0.6		6.0	1.3
9G9ZXE	58.1	0.4	0.2	52.4	0.4	0.3	59.2	0.7	0.4	7.7	-0.4	0.2	9.9	0.2	0.6
		15.9	4.2		14.9	4.7		25.4	6.0		-5.0	1.7		2.1	6.6
4XUXCD	83.7	1.2	0.1	66.0	0.8	0.1	70.7	1.1	0.1	37.0	2.1	0.1	15.7	0.6	0.1
		41.5	1.5		28.5	1.0		36.8	1.2		24.3	1.0		7.9	0.6
HML4ZY	7.8	-1.0		11.7	-0.7		7.5	-0.8		8.9	-0.3		5.7	-0.2	
		-34.4	0.0		-25.8	0.0		-26.4	0.0		-3.8	0.0		-2.1	0.0
Q2DTBN	12.4	-0.8	0.0	22.6	-0.4	0.0	17.6	-0.5	0.0	15.3	0.2	0.0	3.8	-0.3	0.0
		-29.9	0.1		-14.9	0.1		-16.2	0.1		2.6	0.1		-4.0	0.1
9WKG82	66.0	0.7	2.8	69.0	0.9	2.8	55.0	0.6	2.8	32.0	1.7	2.7	45.7	3.0	2.8
		23.8	52.0		31.5	50.2		21.2	43.3		19.3	19.1		37.9	28.7
EJR4AR	46.5	0.1	0.3	70.7	0.9	0.3	50.0	0.5	0.1	8.5	-0.4	0.4	3.9	-0.3	0.0
		4.3	5.3		33.2	4.6		16.2	2.3		-4.2	2.9		-3.9	0.3
HU3FFL	3.2	-1.1	0.0	4.8	-0.9	0.1	4.9	-0.8	0.0	11.0	-0.1	0.4	3.6	-0.3	0.0
		-39.0	0.1		-32.7	1.2		-28.9	0.8		-1.7	2.9		-4.2	0.3
Grand Median		42.2		37.5			33.8			12.7			7.81		
Median Abs Dev		26.8		27.2			23.3			4.0			4.11		
Avg Within Lab SD		18.8		17.9			15.5			6.9			10.44		
Labs Included		8		8			8			8			8		
Labs Reporting		8		8			8			8			8		



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

Soil Nitrogen Mineralization Potential (SubTestCode 197)	in the Other 2 Property Groups				Data units: mg/kg					
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610					
2V9A2L	53.0	1.0 7.0	34.7	1.0 1.5	32.0	1.0 2.0	29.0	1.0 1.0	28.3	1.0 1.5
Grand Median	53.0		34.7		32.0		29.0		28.3	
Median Abs Dev										
Avg Within Lab SD	7.0		1.5		2.0		1.0		1.5	
Labs Included	1		1		1		1		1	
Labs Reporting	1		1		1		1		1	



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

DTPA-sorbitol extractable S (SubTestCode 198)	in the Other 2 Property Groups				Data units: mg/kg		
	SRSSRS1606	SRSSRS1607	SRSSRS1608	SRSSRS1609	SRSSRS1610		
2V9A2L	13.0		12.0		1,581.0	24.3	10.7
		0.0		0.0	0.7	0.7	1.0
		1.0		1.0	2.6	1.2	0.6
EJR4AR	15.7		16.3		2,308.3	31.0	14.7
		0.6		0.6	1.2	2.0	1.0
		0.6		0.6	4.6		0.6
Grand Median	14.3		14.2		1,944.7	27.7	12.7
Median Abs Dev							
Avg Within Lab SD	0.6		0.6		3.8	1.6	0.6
Labs Included	2		2		2	2	2
Labs Reporting	2		2		2	2	2



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

DTPA-sorbitol extractable AI (SubTestCode 199)	in the Other 2 Property Groups				Data units: mg/kg			
SRSSRS1606	SRSSRS1607		SRSSRS1608		SRSSRS1609		SRSSRS1610	
2V9A2L		32.7	0.7		6.0	0.0	8.7	0.5
			0.6					0.6
EJR4AR	0.6	1.0	36.8	1.2	0.1	1.0	10.5	1.0
		0.4		1.0		0.1		1.9
Grand Median	0.56		34.7		0.12		8.27	15.5
Median Abs Dev								
Avg Within Lab SD	0.38		0.8		0.08		1.87	1.3
Labs Included	1		2		1		2	2
Labs Reporting	1		2		1		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	
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	88.6	0.6	0.8	93.1	0.1	0.7	94.4	0.2	0.2	93.0	0.0	0.0
		1.1	0.1		0.1	0.1		0.3	0.0		0.2	0.0
2V9A2L	88.6	0.5	0.0	93.2	0.2	0.0	94.5	0.2	0.0	92.8	0.0	0.0
		1.0	0.0		0.2	0.0		0.3	0.0		0.0	0.0
ETFYA8	88.3	0.4	0.8	92.6	-0.5	0.9	94.6	0.2	0.5	91.9	-0.1	0.2
		0.7	0.1		-0.5	0.1		0.4	0.1		-0.9	0.3
WN8QDL	82.4	-2.7	0.2	91.7	-1.4	0.2	90.4	-2.3	0.1	91.0	-0.2	0.0
		-5.2	0.0		-1.3	0.0		-3.8	0.0		-1.7	0.0
LU92FX	87.6	0.0	0.0	93.0	0.0	0.0	93.6	-0.4	0.0	0.9	-8.2	0.0
		0.0	0.0		0.0	0.0		-0.6	0.0		-91.8	0.0
JMZPA2	86.9	-0.4	0.1	93.4	0.4	0.1	94.4	0.1	0.1	93.1	0.0	0.0
		-0.7	0.0		0.4	0.0		0.2	0.0		0.3	0.0
Z3VZNG	89.3	0.9	0.9	94.9	1.9	1.9	96.0	1.1	0.2	93.7	0.1	0.1
		1.7	0.1		1.9	0.3		1.8	0.1		1.0	0.1
XD4VUG	87.4	-0.1	1.0	94.4	1.4	0.5	94.1	-0.1	0.9	93.4	0.1	0.2
		-0.2	0.1		1.3	0.1		-0.1	0.2		0.6	0.2
9GTK67	88.4	0.4	1.7	92.6	-0.5	2.1	89.8	-2.7	3.4	93.9	0.1	3.6
		0.8	0.2		-0.5	0.3		-4.4	0.9		1.2	3.9
BX698W	87.5	0.0	2.2	94.5	1.5	0.3	93.4	-0.5	0.2	92.9	0.0	0.0
		-0.1	0.2		1.5	0.0		-0.8	0.1		0.1	0.0
ACVHGX	86.8	-0.4	1.5	92.6	-0.4	1.7	94.2	0.0	0.7	92.7	0.0	0.1
		-0.7	0.2		-0.4	0.3		0.0	0.2		-0.1	0.1
D84HQR	84.1	-1.8	0.0	92.8	-0.3	0.0	93.0	-0.7	0.0	92.7	0.0	0.0
		-3.5	0.0		-0.3	0.0		-1.2	0.0		-0.1	0.0
9KRXTW	88.5	0.5	0.3	92.8	-0.3	0.1	94.7	0.3	0.2	92.8	0.0	0.0
		0.9	0.0		-0.3	0.0		0.5	0.0		0.0	0.0
Grand Median		87.6		93.0			94.2			92.8		
Median Abs Dev		0.8		0.4			0.5			0.3		
Avg Within Lab SD		0.1		0.2			0.3			1.1		
Labs Included		13		13			13			13		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

NO3 - N Cd Rd. (SubTestCode 202)												Data units: mg/kg
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	7,182.1	0.6	0.1	356.5	0.1	0.1	10,403.8	0.0	0.0	14,673.4	0.0	0.1
		726.4	31.7		11.2	2.2		0.0	20.1		-88.9	82.3
9G9ZXE	6,511.7	0.0	0.5	161.7	-1.8	0.9	10,148.0	-0.2	0.6	14,762.3	0.0	0.6
		56.0	191.7		-183.7	38.2		-255.8	493.4		0.0	478.5
7LQLUF	6,290.0	-0.1	0.0	530.0	1.8	2.8	10,195.7	-0.2	0.4	14,367.7	-0.2	0.3
		-165.7	10.8		184.7	115.5		-208.2	309.0		-394.7	198.0
UJH8JT	5,329.3	-0.9	1.3	315.0	-0.3	0.8	7,573.0	-2.2	1.1	10,356.0	-2.4	1.7
		-1,126.3	471.8		-30.3	33.0		-2,830.8	931.1		-4,406.3	1,293.0
ETFYA8	7,536.3	0.8	0.1	277.0	-0.7	0.6	10,498.7	0.1	0.1	15,501.7	0.4	0.4
		1,080.7	29.3		-68.3	24.5		94.8	117.0		739.3	317.4
NM37AU	5,800.0	-0.5	0.4	312.6	-0.3	0.3	10,433.3	0.0	0.4	16,700.0	1.1	0.4
		-655.7	160.0		-32.7	12.1		29.5	321.5		1,937.7	300.0
LU92FX	7,432.0	0.7	1.0	452.0	1.0	0.6	10,179.3	-0.2	0.6	17,241.3	1.4	0.2
		976.3	351.7		106.7	25.0		-224.5	507.5		2,479.0	140.0
KG6H4X	6,455.7	0.0	0.4	363.7	0.2	0.2	10,893.3	0.4	0.8	14,146.7	-0.3	0.3
		0.0	157.5		18.3	9.5		489.5	627.2		-615.7	230.5
KJBZ3T	0.5	-4.9	0.0	0.0	-3.4	0.0	0.9	-8.2	0.0	1.3	-8.0	0.0
		-6,455.2	0.0		-345.3	0.0		-10,402.9	0.1		-14,761.0	0.1
E8KYJY	9,687.3	2.5	2.3	352.3	0.1	0.8	10,028.3	-0.3	0.8	16,143.3	0.8	2.5
		3,231.7	837.6		7.0	33.9		-375.5	667.6		1,381.0	1,951.7
2ZLAYD	5,866.7	-0.4	0.2	376.7	0.3		10,000.0	-0.3		14,000.0	-0.4	2.5
		-589.0	57.7		31.3	11.5		-403.8	0.0		-762.3	0.0
9GTK67	7,627.7	0.9	0.1	347.3	0.0	0.0	12,360.7	1.6	0.2	15,112.2	0.2	0.4
		1,172.1	25.2		2.0	1.6		1,956.8	134.7		349.9	321.6
2RDHVB	7,930.0	1.1	2.5	629.0	2.8	1.7	12,006.0	1.3	1.2	15,902.7	0.6	0.7
		1,474.3	925.0		283.7	69.0		1,602.2	990.0		1,140.3	562.5
RF99BG	5,500.0	-0.7	0.2	345.3	0.0	0.4	11,666.7	1.0	1.7	12,100.0	-1.5	1.9
		-955.7	65.6		0.0	16.6		1,262.8	1,418.9		-2,662.3	1,473.1
BX698W	7,287.2	0.6	0.5	338.8	-0.1	0.0	11,306.9	0.7	0.3	14,901.8	0.1	0.5
		831.5	193.2		-6.5	1.7		903.0	285.4		139.5	368.5
ACVHGX	6,156.7	-0.2	0.1	276.0	-0.7	0.8	12,533.3	1.7	2.6	16,233.3	0.8	0.8
		-299.0	47.3		-69.3	32.9		2,129.5	2,193.9		1,471.0	602.8
Grand Median		6,455.7			345.3			10,403.8			14,762.3	
Median Abs Dev		831.5			31.3			403.8			762.3	
Avg Within Lab SD		368.8			40.6			829.7			779.2	
Labs Included		15			15			15			15	
Labs Reporting		15			15			15			15	



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

NO3 - N ISE (SubTestCode 203) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	7,100.4	-0.2	0.2	795.8	-1.0	0.5	10,120.0	-0.6	0.6	14,624.0	0.4	0.1
		-112.9	43.1		-189.7	24.2		-846.7	198.7		741.7	62.2
WN8QDL	7,852.6	1.2	0.1	754.7	-1.2	0.4	11,784.1	0.6	1.0	13,882.3	0.0	0.3
		639.3	16.8		-230.8	20.5		817.4	329.7		0.0	202.9
PD8M9Q	7,850.8	1.2	2.2	985.5	0.0	1.4	13,999.7	2.1	1.2	17,737.7	2.2	2.0
		637.5	526.1		0.0	71.5		3,033.0	392.2		3,855.4	1,259.3
ZTQT9G	7,213.3	0.0	0.2	1,060.0	0.4	0.8	10,866.7	-0.1	1.2	13,466.7	-0.2	0.6
		0.0	37.9		74.5	40.0		-100.0	404.1		-415.6	378.6
MFPVJN	6,870.0	-0.7	0.4	1,150.0	0.8	1.4	10,966.7	0.0	0.8	13,100.0	-0.5	0.6
		-343.3	87.2		164.5	69.3		0.0	251.7		-782.3	360.6
Grand Median		7,213.3		985.5			10,966.7			13,882.3		
Median Abs Dev		343.3		164.5			817.4			741.7		
Avg Within Lab SD		240.0		50.0			325.1			617.1		
Labs Included		5		5			5			5		
Labs Reporting		5		5			5			5		



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

NO3 - N Oth. (SubTestCode 204)	Data units: mg/kg							
	SRBSRB1605		SRBSRB1606		SRBSRB1607			
PD8M9Q	10,025.0	1.9	4,945.0	2.0	11,949.3	0.8	16,547.7	1.6
		1,425.7		484.4		505.2		772.2
Z3VZNG	7,252.7	0.5	312.3	0.1	11,384.0	1.5	1,413.3	0.1
		383.2		23.5		996.5		49.3
Y26GAB	6,689.5	0.3	2,557.7	0.3	12,642.6	1.0	14,181.6	1.0
		225.3		67.2		625.3		474.5
6UNU32	6,995.7	0.1	562.1	0.1	10,677.9	0.2	16,361.9	0.8
		80.8		17.1		124.8		406.9
Grand Median		7,124.2		1,559.9		11,666.7		15,271.8
Median Abs Dev								
Avg Within Lab SD		747.8		244.9		643.2		497.4
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							
	SRBSRB1605		SRBSRB1606		SRBSRB1607			
LU92FX			178.0	0.2	4,660.7	1.2	62.7	1.0
				2.0		143.5		6.8
BX698W	25.7	1.0	382.7	1.4	9,837.3	0.7	139.0	1.0
		2.9		11.3		82.0		7.3
Grand Median	25.7		280.4		7,249.0		100.9	
Median Abs Dev								
Avg Within Lab SD	2.9		8.1		116.9		7.1	
Labs Included	1		2		2		2	
Labs Reporting	1		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		

PO4 - P (SubTestCode 206) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	1,634.5	1.4	0.1	2,178.1	0.6	0.6	5,733.2	0.2	0.5	1,570.2	1.0	0.9
		449.2	3.3		243.1	28.4		176.5	59.7		283.5	43.6
9G9ZXE	1,171.7	0.0	0.4	1,050.3	-2.3	0.6	4,547.7	-1.3	0.3	1,028.3	-0.9	0.5
		-13.7	15.1		-884.7	29.3		-1,009.0	41.7		-258.3	23.0
7LQLUF	1,185.3	0.0	0.1	1,935.0	0.0	0.7	5,155.3	-0.5	0.2	1,212.3	-0.3	0.7
		0.0	3.5		0.0	34.2		-401.3	24.9		-74.3	31.7
NM37AU	1,326.7	0.5	1.2	2,043.3	0.3	0.9	5,556.7	0.0	0.3	1,350.0	0.2	0.9
		141.3	41.6		108.3	41.6		0.0	37.9		63.3	43.6
LU92FX	1,982.7	2.6	2.0	2,853.3	2.4	0.3	6,415.3	1.1	0.5	2,208.3	3.2	1.7
		797.3	71.6		918.3	14.8		858.7	70.3		921.7	82.1
PD8M9Q	1,046.7	-0.4	0.7	1,790.0	-0.4	1.1	4,676.7	-1.1	1.9	1,286.7	0.0	0.1
		-138.7	25.2		-145.0	52.9		-880.0	243.8		0.0	5.8
KG6H4X	1,182.0	0.0	0.2	1,754.7	-0.5	0.2	5,085.0	-0.6	0.7	1,112.7	-0.6	0.3
		-3.3	9.0		-180.3	9.5		-471.7	95.0		-174.0	16.5
ZTQT9G	1,346.7	0.5	0.9	1,880.0	-0.1	1.3	5,100.0	-0.6	2.1	1,100.0	-0.6	0.4
		161.3	32.1		-55.0	62.4		-456.7	280.0		-186.7	20.0
2ZLAYD	1,100.0	-0.3		2,000.0	0.2		5,966.7	0.5	0.4	1,333.3	0.2	1.2
		-85.3	0.0		65.0	0.0		410.0	57.7		46.7	57.7
2RDHVB	1,694.7	1.6	2.0	2,123.0	0.5	2.4	6,108.7	0.7	0.5	1,351.0	0.2	2.1
		509.3	71.5		188.0	114.0		552.0	62.2		64.3	100.0
Y26GAB	1,181.7	0.0	0.5	1,898.0	-0.1	0.3	6,099.1	0.7	1.1	1,222.2	-0.2	0.2
		-3.6	18.6		-37.0	12.5		542.4	143.9		-64.5	7.8
Grand Median		1,185.3			1,935.0			5,556.7			1,286.7	
Median Abs Dev		138.7			145.0			471.7			74.3	
Avg Within Lab SD		36.1			47.4			130.4			48.8	
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
	SRBSRB1605		SRBSRB1606		SRBSRB1607			
2V9A2L	846.4	1.6	1,520.0	0.7	7,429.0	0.2	1,185.7	0.0
		56.4		31.0		30.6		0.0
WN8QDL	498.8	0.6	1,829.4	1.6	10,702.4	1.6	1,479.3	1.6
		21.1		66.9		297.8		72.3
LU92FX	483.7	0.1	1,992.3	0.2	10,069.3	0.7	1,350.3	0.6
		2.1		8.1		131.2		28.0
Grand Median	498.8		1,829.4		10,069.3		1,350.3	
Median Abs Dev								
Avg Within Lab SD	34.8		42.8		188.7		44.7	
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											
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	2.73	0.51	0.28	0.60	0.30	0.00	5.23	0.62	0.05	3.21	0.47	0.24
		0.44	0.02		0.16	0.00		1.00	0.01		0.33	0.03
9G9ZXE	2.23	-0.07	0.36	0.22	-0.43	0.96	4.27	0.02	0.45	2.95	0.10	0.55
		-0.06	0.03		-0.22	0.04		0.03	0.05		0.07	0.06
ETFYA8	2.57	0.33	0.08	0.44	-0.01	0.11	4.62	0.24	0.09	3.33	0.65	0.09
		0.28	0.01		-0.01	0.01		0.38	0.01		0.46	0.01
NM37AU	2.20	-0.11	1.76	0.51	0.12	1.08	3.41	-0.52	0.78	2.46	-0.60	0.77
		-0.10	0.12		0.06	0.05		-0.83	0.09		-0.42	0.09
LU92FX	5.62	3.93	2.25	0.78	0.64	2.22	8.91	2.93	0.05	1.73	-1.64	2.48
		3.33	0.16		0.33	0.10		4.68	0.01		-1.15	0.27
PD8M9Q	1.06	-1.46	0.59	0.34	-0.19	1.12	1.89	-1.47	1.27	1.39	-2.12	0.46
		-1.24	0.04		-0.10	0.05		-2.35	0.15		-1.48	0.05
Z3VZNG	2.14	-0.18	0.08	0.39	-0.10	0.00	4.23	-0.01	0.28	2.85	-0.04	0.50
		-0.15	0.01		-0.05	0.00		-0.01	0.03		-0.03	0.06
KG6H4X	2.49	0.23	0.17	0.54	0.19	0.22	3.96	-0.18	0.60	2.70	-0.25	0.14
		0.19	0.01		0.10	0.01		-0.28	0.07		-0.17	0.02
KJBZ3T	2.21	-0.10	0.08	0.62	0.34	0.76	4.44	0.13	0.70	2.90	0.04	0.36
		-0.08	0.01		0.18	0.03		0.20	0.08		0.03	0.04
3HG3JC	2.22	-0.09	0.08	0.39	-0.10	0.13	4.25	0.01	0.18	2.92	0.06	0.16
		-0.07	0.01		-0.05	0.01		0.01	0.02		0.05	0.02
E8KYJY	2.36	0.07	1.90	0.45	0.01	0.51	3.68	-0.35	3.44	2.93	0.08	2.41
		0.06	0.13		0.01	0.02		-0.56	0.40		0.06	0.27
9GTK67	2.58	0.34	0.47	0.51	0.13	1.68	4.29	0.03	0.62	3.26	0.55	1.48
		0.29	0.03		0.07	0.08		0.05	0.07		0.38	0.16
BX698W	2.49	0.23	0.16	0.38	-0.13	0.91	4.49	0.16	0.17	3.05	0.25	0.13
		0.19	0.01		-0.06	0.04		0.26	0.02		0.18	0.01
Z4BZ87	2.16	-0.16	0.55	0.35	-0.17	0.19	4.06	-0.11	0.57	2.78	-0.14	0.41
		-0.14	0.04		-0.09	0.01		-0.17	0.07		-0.10	0.05
6UNU32	0.62	-1.98	0.11	0.04	-0.77	0.05	1.63	-1.63	0.19	0.72	-3.08	0.12
		-1.68	0.01		-0.40	0.00		-2.61	0.02		-2.16	0.01
XJT9V6	3.14	0.99	1.75	4.14	7.14	1.77	0.43	-2.39	0.05	2.37	-0.73	0.23
		0.84	0.12		3.70	0.08		-3.81	0.01		-0.51	0.03
Grand Median		2.30		0.44			4.24			2.88		
Median Abs Dev		0.19		0.09			0.33			0.25		
Avg Within Lab SD		0.07		0.05			0.12			0.11		
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											
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	1.65	0.05	0.25	3.12	-0.85	0.49	5.41	-0.85	0.11	2.10	-0.05	0.75
		0.01	0.02		-0.17	0.03		-0.50	0.04		-0.02	0.05
NM37AU	1.48	-0.94	0.61	3.51	1.05	2.67	6.22	0.52	0.95	2.24	0.32	1.21
		-0.16	0.05		0.21	0.16		0.30	0.33		0.12	0.07
JMZPA2	1.50	-0.83		3.17	-0.63	0.20	5.38	-0.91	0.06	1.92	-0.51	0.29
		-0.14	0.00		-0.13	0.01		-0.53	0.02		-0.20	0.02
KG6H4X	1.87	1.38	0.30	3.36	0.35	0.10	6.36	0.77	0.15	3.10	2.51	0.50
		0.23	0.03		0.07	0.01		0.45	0.05		0.98	0.03
XD4VUG	1.71	0.44	0.19	3.31	0.07	0.68	5.91	0.00	0.41	2.20	0.20	0.58
		0.07	0.02		0.02	0.04		0.00	0.14		0.08	0.04
2RDHVB	1.64	0.00	0.08	3.20	-0.48	0.75	5.01	-1.54	2.79	2.46	0.87	0.29
		0.00	0.01		-0.10	0.04		-0.90	0.96		0.34	0.02
RF99BG	1.52	-0.69	0.18	3.29	0.00	0.20	5.70	-0.36	0.14	1.88	-0.61	1.03
		-0.11	0.02		0.00	0.01		-0.21	0.05		-0.24	0.06
BX698W	1.84	1.19	0.34	3.52	1.13	0.67	6.21	0.51	0.11	2.12	0.00	0.39
		0.20	0.03		0.23	0.04		0.30	0.04		0.00	0.02
9KRXTW	1.55	-0.55	2.88	2.99	-1.51	0.26	6.27	0.61	0.32	1.73	-0.99	2.23
		-0.09	0.24		-0.31	0.02		0.36	0.11		-0.39	0.14
Grand Median		1.64			3.29			5.91			2.12	
Median Abs Dev		0.11			0.13			0.36			0.20	
Avg Within Lab SD		0.08			0.06			0.34			0.06	
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	
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	2.25	1.73	0.41	3.80	2.00	0.40	6.97	0.97	0.31	3.33	1.88	0.32
		0.27	0.02		0.30	0.03		0.28	0.02		0.27	0.03
2V9A2L	2.16	1.12	0.30	3.72	1.53	0.23	7.10	1.44	0.54	3.40	2.32	0.29
		0.17	0.01		0.23	0.02		0.41	0.04		0.34	0.03
9G9ZXE	1.87	-0.74	0.55	3.49	0.00	0.33	6.79	0.36	0.66	2.93	-0.91	0.32
		-0.11	0.03		0.00	0.03		0.10	0.05		-0.13	0.03
7LQLUF	1.98	0.00	0.17	3.40	-0.63	0.45	6.62	-0.26	0.10	2.99	-0.51	0.45
		0.00	0.01		-0.10	0.03		-0.07	0.01		-0.07	0.04
UJH8JT	1.92	-0.44	0.12	3.36	-0.90	0.15	6.45	-0.84	0.23	3.06	0.02	0.65
		-0.07	0.01		-0.14	0.01		-0.24	0.02		0.00	0.06
ETFYA8	2.18	1.29	0.12	3.68	1.21	0.20	6.99	1.04	0.41	3.21	1.03	0.22
		0.20	0.01		0.18	0.02		0.30	0.03		0.15	0.02
WN8QDL	2.24	1.64	0.28	3.62	0.83	0.28	6.70	0.03	0.51	3.06	-0.02	0.40
		0.25	0.01		0.13	0.02		0.01	0.04		0.00	0.04
LU92FX	1.98	-0.05	0.12	3.50	0.04	2.03	6.40	-1.02	1.70	3.13	0.48	2.07
		-0.01	0.01		0.01	0.15		-0.29	0.13		0.07	0.19
PD8M9Q	2.06	0.46	4.67	3.59	0.64	3.92	6.79	0.35	3.60	3.24	1.25	4.30
		0.07	0.23		0.10	0.30		0.10	0.27		0.18	0.39
Z3VZNG	1.99	0.03	0.36	3.52	0.15	0.61	6.73	0.15	0.20	3.13	0.46	0.39
		0.01	0.02		0.02	0.05		0.04	0.02		0.07	0.04
ZTQT9G	1.80	-1.22	0.52	3.49	-0.02	1.40	7.01	1.14	0.98	2.91	-1.05	0.45
		-0.19	0.03		0.00	0.11		0.32	0.07		-0.15	0.04
KJBZ3T	2.05	0.45	0.63	3.69	1.28	1.41	6.73	0.15	1.42	3.19	0.91	0.39
		0.07	0.03		0.19	0.11		0.04	0.11		0.13	0.04
3HG3JC	2.07	0.55	0.41	3.57	0.53	0.61	6.74	0.18	0.13	3.28	1.53	0.17
		0.09	0.02		0.08	0.05		0.05	0.01		0.22	0.02
E8KYJY	1.94	-0.27	0.72	3.42	-0.46	0.28	6.63	-0.22	0.43	3.09	0.23	0.96
		-0.04	0.04		-0.07	0.02		-0.06	0.03		0.03	0.09
2ZLAYD	1.97	-0.12	1.19	3.73	1.59	0.76	6.53	-0.55	0.77	2.97	-0.64	0.64
		-0.02	0.06		0.24	0.06		-0.16	0.06		-0.09	0.06
9QXRK7	1.90	-0.57	0.12	3.42	-0.49	0.35	6.68	-0.04	0.69	3.01	-0.32	0.42
		-0.09	0.01		-0.07	0.03		-0.01	0.05		-0.05	0.04
XD4VUG	2.05	0.45	0.38	3.62	0.81	0.13	7.24	1.94	0.38	3.07	0.10	0.22
		0.07	0.02		0.12	0.01		0.55	0.03		0.01	0.02
9GTK67	2.13	0.93	0.07	3.54	0.34	0.26	6.57	-0.43	1.20	3.06	-0.03	0.19
		0.14	0.00		0.05	0.02		-0.12	0.09		-0.01	0.02
MFPVJN	1.94	-0.27	0.24	3.50	0.07	0.50	6.69	0.00	1.33	3.01	-0.34	0.22
		-0.04	0.01		0.01	0.04		0.00	0.10		-0.05	0.02
T8DRYH	2.81	5.35		3.45	-0.29		2.63	-14.26		2.63	-2.94	0.22
		0.83	0.00		-0.04	0.00		-4.06	0.00		-0.43	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					
8YU8W7	1.97	-0.10	0.36	3.45	-0.29	0.13	6.67	-0.07	0.70	3.06	0.00	0.40
YNEK8D	1.97	-0.01	0.02	3.49	-0.04	0.01	6.50	-0.02	0.05	3.04	0.00	0.04
V3RMFD	1.95	-0.09	0.28	3.44	-0.04	0.09	6.48	-0.65	0.32	2.95	-0.13	0.45
BX698W	2.20	-0.01	0.01	3.72	-0.01	0.01	7.40	-0.19	0.02	3.14	-0.02	0.04
GKM94Q	1.99	-0.20	0.43	3.44	-0.35	0.26	6.65	-0.75	0.08	3.04	-0.73	0.17
ACVHGX	2.00	-0.03	0.02	3.44	-0.05	0.02	6.70	-0.21	0.01	3.07	-0.11	0.02
6UNU32	1.93	1.37	0.59	3.40	1.51	0.63	6.50	2.50	0.34	3.08	0.54	0.42
XJT9V6	1.43	0.21	0.03	3.30	0.23	0.05	7.35	0.71	0.03	2.71	0.08	0.04
		0.03	0.21		-0.33	0.20		-0.13	0.63		-0.14	0.11
		0.01	0.01		-0.05	0.02		-0.04	0.05		-0.02	0.01
		0.08	0.66		-0.29	0.26		0.05	0.28		0.07	0.34
		0.01	0.03		-0.04	0.02		0.01	0.02		0.01	0.03
		-0.39	0.12		-0.65	0.36		-0.66	0.87		0.16	0.28
		-0.06	0.01		-0.10	0.03		-0.19	0.06		0.02	0.02
		-3.62	0.36		-1.25	0.53		2.30	0.47		-2.42	0.36
		-0.56	0.02		-0.19	0.04		0.66	0.04		-0.35	0.03
Grand Median		1.98		3.49			6.69			3.06		
Median Abs Dev		0.07		0.07			0.12			0.07		
Avg Within Lab SD		0.05		0.08			0.08			0.09		
Labs Included		27		27			27			27		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

S- Dry Comb. (SubTestCode 211)	Data units: Percent									
	SRBSRB1605			SRBSRB1606			SRBSRB1607			
9GTK67	0.13	1.03	0.01	0.39	1.10	0.01	1.33	0.69	0.26	1.11
V3RMFD	0.11	0.97	0.01	0.37	0.89	0.01	1.33	1.24	0.22	0.88
		0.01			0.01			0.05		0.01
Grand Median		0.12		0.38			1.33		0.24	
Median Abs Dev										
Avg Within Lab SD		0.01		0.01			0.04		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) Data units: Percent												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	0.26	1.67	0.22	0.45	1.66	0.21	0.78	1.37	0.12	0.29	1.61	0.32
		0.04	0.00		0.06	0.00		0.12	0.00		0.05	0.00
2V9A2L	0.24	0.51	0.17	0.39	0.10	0.26	0.68	0.23	0.09	0.26	0.31	0.19
		0.01	0.00		0.00	0.00		0.02	0.00		0.01	0.00
9G9ZXE	0.22	-0.07	0.25	0.38	-0.17	0.51	0.68	0.18	0.63	0.24	-0.13	0.55
		0.00	0.00		-0.01	0.01		0.02	0.01		0.00	0.01
7LQLUF	0.23	0.43	0.15	0.40	0.35	0.60	0.66	0.02	0.48	0.24	-0.09	0.30
		0.01	0.00		0.01	0.01		0.00	0.01		0.00	0.00
UJH8JT	0.19	-1.63	2.84	0.32	-1.95	2.98	0.59	-0.78	0.88	0.20	-1.71	2.40
		-0.04	0.03		-0.07	0.04		-0.07	0.02		-0.05	0.02
ETFYA8	0.25	1.35	0.15	0.42	0.97	0.60	0.70	0.40	0.20	0.25	0.10	0.40
		0.03	0.00		0.04	0.01		0.03	0.00		0.00	0.00
WPJ78M	0.19	-1.50	0.03	0.33	-1.66	0.22	0.35	-3.58	0.05	0.19	-1.87	0.17
		-0.04	0.00		-0.06	0.00		-0.31	0.00		-0.05	0.00
NM37AU	0.22	-0.27	1.02	0.37	-0.37	0.48	0.62	-0.44	0.96	0.25	0.28	0.72
		-0.01	0.01		-0.01	0.01		-0.04	0.02		0.01	0.01
LU92FX	0.22	0.00	0.58	0.38	-0.09	0.46	0.67	0.11	0.44	0.27	0.70	0.57
		0.00	0.01		0.00	0.01		0.01	0.01		0.02	0.01
PD8M9Q	0.21	-0.42	1.22	0.38	-0.26	1.79	0.62	-0.45	1.10	0.24	-0.41	1.04
		-0.01	0.01		-0.01	0.02		-0.04	0.03		-0.01	0.01
Z3VZNG	0.21	-0.57	0.00	0.37	-0.55	0.46	0.62	-0.43	0.25	0.22	-0.81	0.57
		-0.01	0.00		-0.02	0.01		-0.04	0.01		-0.02	0.01
KG6H4X	0.22	-0.34	0.88	0.40	0.29	1.13	0.65	-0.18	2.13	0.25	0.03	0.76
		-0.01	0.01		0.01	0.01		-0.02	0.05		0.00	0.01
KJBZ3T	0.23	0.20	1.69	0.42	0.84	0.76	0.72	0.70	1.51	0.26	0.46	1.36
		0.00	0.02		0.03	0.01		0.06	0.03		0.01	0.01
3HG3JC	0.23	0.14	0.58	0.37	-0.55		0.66	-0.05	0.25	0.25	0.12	1.36
		0.00	0.01		-0.02	0.01		0.00	0.01		0.00	0.00
E8KYJY	0.23	0.29	0.00	0.39	0.09	0.79	0.72	0.68	0.44	0.27	0.70	0.57
		0.01	0.00		0.00	0.01		0.06	0.01		0.02	0.01
2ZLAYD	0.21	-0.57	0.00	0.39	0.18	1.21	0.66	-0.01	0.00	0.25	0.00	0.57
		-0.01	0.00		0.01	0.02		0.00	0.00		0.00	0.01
9QXRK7	0.20	-1.03	0.06	0.35	-1.01	0.21	0.61	-0.58	0.11	0.22	-0.98	0.25
		-0.02	0.00		-0.04	0.00		-0.05	0.00		-0.03	0.00
XD4VUG	0.21	-0.37	0.31	0.39	0.04	0.41	0.66	0.00	0.58	0.24	-0.20	0.17
		-0.01	0.00		0.00	0.01		0.00	0.01		-0.01	0.00
9GTK67	0.25	1.09	0.41	0.41	0.73	0.27	0.70	0.48	0.49	0.25	0.07	0.68
		0.03	0.00		0.03	0.00		0.04	0.01		0.00	0.01
MFPVJN	0.22	0.00	0.83	0.36	-0.77	0.49	0.64	-0.25	0.84	0.24	-0.10	0.20
		0.00	0.01		-0.03	0.01		-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			
	Difference		W/L STD	Difference		W/L STD	Difference		W/L STD			
T8DRYH	0.24	0.72		0.40	0.37		0.69	0.34		0.26	0.46	0.20
		0.02	0.00		0.01	0.00		0.03	0.00		0.01	0.00
2RDHVB	0.22	0.03	1.22	0.37	-0.44	1.96	0.66	-0.01	0.74	0.24	-0.38	1.43
		0.00	0.01		-0.02	0.02		0.00	0.02		-0.01	0.01
YNEK8D	0.19	-1.36	0.12	0.34	-1.19	0.66	0.58	-0.92	0.57	0.21	-1.45	0.23
		-0.03	0.00		-0.04	0.01		-0.08	0.01		-0.04	0.00
RF99BG	0.20	-1.00	1.75	0.34	-1.29	0.79	0.60	-0.66	0.67	0.19	-1.86	1.52
		-0.02	0.02		-0.05	0.01		-0.06	0.02		-0.05	0.02
BX698W	0.25	1.31	0.07	0.40	0.43	0.31	0.69	0.30	0.19	0.24	-0.23	0.36
		0.03	0.00		0.02	0.00		0.03	0.00		-0.01	0.00
M938NJ	0.22	-0.29	0.56	0.34	-1.16	1.19	0.59	-0.76	1.30	0.22	-1.05	0.32
		-0.01	0.01		-0.04	0.02		-0.07	0.03		-0.03	0.00
Z4BZ87	0.23	0.20	0.46	0.40	0.29	0.29	0.67	0.07	3.62	0.26	0.36	0.69
		0.00	0.00		0.01	0.00		0.01	0.08		0.01	0.01
6TTCZZ	0.26	1.78	1.73	0.45	1.86	1.40	0.86	2.28	1.60	0.30	1.70	0.61
		0.04	0.02		0.07	0.02		0.20	0.04		0.05	0.01
GKM94Q	0.22	-0.29	0.58	0.39	0.00	0.46	0.66	0.03	0.25	0.25	0.00	0.57
		-0.01	0.01		0.00	0.01		0.00	0.01		0.00	0.01
ACVHGX	0.25	1.17	0.32	0.44	1.36	1.20	0.76	1.18	0.52	0.30	1.71	0.23
		0.03	0.00		0.05	0.02		0.10	0.01		0.05	0.00
6UNU32	0.23	0.12	0.62	0.39	0.15	0.99	0.70	0.46	1.63	0.29	1.49	0.20
		0.00	0.01		0.01	0.01		0.04	0.04		0.04	0.00
XJT9V6	0.21	-0.79	0.59	0.37	-0.39	0.76	0.61	-0.59	0.38	0.22	-0.85	0.59
		-0.02	0.01		-0.01	0.01		-0.05	0.01		-0.02	0.01
UJXXPB	0.20	-1.03	0.25	0.35	-0.98	0.60	0.30	-4.11	0.22	0.23	-0.70	0.25
		-0.02	0.00		-0.04	0.01		-0.36	0.01		-0.02	0.00
D84HQR	0.24	0.92	0.32	0.40	0.36	0.12	0.73	0.75	0.27	0.27	0.70	0.40
		0.02	0.00		0.01	0.00		0.07	0.01		0.02	0.00
9KRXTW	0.23	0.14	3.08	0.36	-0.74	2.10	0.64	-0.24	0.87	0.25	0.00	4.01
		0.00	0.03		-0.03	0.03		-0.02	0.02		0.00	0.04
Grand Median		0.22			0.39			0.66			0.25	
Median Abs Dev		0.01			0.02			0.04			0.01	
Avg Within Lab SD		0.01			0.01			0.02			0.01	
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		

K (SubTestCode 213)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHYY	4.81	2.18	0.25	4.74	1.41	0.12	7.27	0.48	0.12	9.42	0.87	0.19
		0.85	0.05		0.60	0.03		0.47	0.04		0.93	0.07
2V9A2L	4.18	0.57	0.09	4.14	0.00	0.15	6.95	0.15	0.10	8.56	0.07	0.10
		0.22	0.02		0.00	0.03		0.15	0.04		0.07	0.04
9G9ZXE	3.77	-0.48	0.41	3.87	-0.64	0.27	6.75	-0.06	0.09	8.04	-0.42	0.16
		-0.19	0.08		-0.27	0.06		-0.05	0.04		-0.45	0.06
7LQLUF	3.58	-0.97	0.13	4.18	0.09	0.42	6.63	-0.17	0.08	8.50	0.01	0.93
		-0.38	0.02		0.04	0.09		-0.17	0.03		0.01	0.36
UJH8JT	3.55	-1.04	0.99	3.66	-1.14	0.42	6.29	-0.53	0.54	7.96	-0.50	1.23
		-0.41	0.19		-0.48	0.10		-0.51	0.21		-0.53	0.48
ETFYA8	4.13	0.44	0.21	4.26	0.29	0.45	6.95	0.16	0.30	8.09	-0.37	0.33
		0.17	0.04		0.12	0.10		0.15	0.12		-0.40	0.13
WPJ78M	3.05	-2.33	0.02	3.44	-1.65	0.56	3.17	-3.75	0.05	5.63	-2.67	0.45
		-0.91	0.00		-0.70	0.13		-3.63	0.02		-2.86	0.17
NM37AU	3.58	-0.96	1.28	3.56	-1.37	1.52	6.55	-0.26	1.01	8.68	0.18	1.38
		-0.38	0.25		-0.58	0.34		-0.25	0.39		0.19	0.53
LU92FX	3.72	-0.61	0.34	3.64	-1.18	0.36	6.22	-0.60	0.04	7.24	-1.17	0.14
		-0.24	0.07		-0.50	0.08		-0.58	0.02		-1.25	0.06
PD8M9Q	3.84	-0.31	0.46	3.77	-0.86	0.40	6.08	-0.74	0.42	8.23	-0.24	0.52
		-0.12	0.09		-0.36	0.09		-0.72	0.16		-0.26	0.20
Z3VZNG	3.60	-0.91	0.34	3.65	-1.15	0.16	6.54	-0.27	0.20	7.92	-0.53	0.51
		-0.36	0.07		-0.49	0.04		-0.26	0.08		-0.57	0.20
KG6H4X	3.78	-0.46	1.66	4.24	0.24	2.71	7.33	0.55	4.34	9.31	0.77	4.73
		-0.18	0.32		0.10	0.61		0.53	1.67		0.82	1.82
KJBZ3T	4.03	0.18	0.05	4.41	0.65	0.41	7.48	0.70	0.76	8.90	0.38	1.34
		0.07	0.01		0.28	0.09		0.68	0.29		0.41	0.52
3HG3JC	3.86	-0.26	0.15	4.07	-0.17	0.26	7.08	0.29	0.32	7.41	-1.00	0.69
		-0.10	0.03		-0.07	0.06		0.28	0.12		-1.08	0.27
E8KYJY	3.96	0.00	0.45	4.26	0.29	0.50	7.42	0.64	0.12	9.08	0.55	0.60
		0.00	0.09		0.12	0.11		0.62	0.05		0.59	0.23
2ZLAYD	4.00	0.10	4.46	3.73	-0.96	3.79	5.43	-1.41	0.66	5.07	-3.20	0.83
		0.04	0.87		-0.40	0.85		-1.37	0.25		-3.42	0.32
9QXRK7	3.93	-0.07	0.13	4.37	0.55	0.56	7.55	0.78	0.27	9.10	0.57	0.18
		-0.03	0.03		0.23	0.12		0.75	0.11		0.61	0.07
XD4VUG	4.03	0.17	0.41	4.36	0.52	0.25	7.08	0.29	0.10	8.91	0.39	0.54
		0.07	0.08		0.22	0.06		0.28	0.04		0.42	0.21
9GTK67	4.90	2.39	0.49	4.55	0.97	0.19	7.92	1.16	0.06	9.59	1.03	0.34
		0.94	0.09		0.41	0.04		1.12	0.02		1.10	0.13
MFPVJN	3.71	-0.64	0.14	3.80	-0.79	0.58	6.65	-0.15	0.77	8.34	-0.14	0.13
		-0.25	0.03		-0.34	0.13		-0.15	0.30		-0.15	0.05



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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					
T8DRYH	3.99	0.08		4.07	-0.16		6.37	-0.44		7.89	-0.56	0.13
		0.03	0.00		-0.07	0.00		-0.43	0.00		-0.60	0.00
2RDHVB	4.17	0.53	1.13	4.50	0.84	2.35	7.45	0.67	1.19	8.93	0.41	0.72
		0.21	0.22		0.36	0.53		0.65	0.46		0.44	0.28
YNEK8D	3.71	-0.64	0.17	3.72	-0.99	0.38	6.72	-0.08	0.52	8.43	-0.06	0.46
		-0.25	0.03		-0.42	0.09		-0.08	0.20		-0.06	0.18
RF99BG	3.63	-0.83	0.59	3.93	-0.48	0.51	6.80	0.00	1.19	8.27	-0.21	0.15
		-0.33	0.12		-0.20	0.12		0.00	0.46		-0.22	0.06
BX698W	4.24	0.72	0.18	4.21	0.17	0.36	7.01	0.22	0.17	8.83	0.32	0.34
		0.28	0.04		0.07	0.08		0.21	0.07		0.34	0.13
M938NJ	3.98	0.06	0.92	3.96	-0.43	0.25	6.37	-0.45	0.98	8.08	-0.38	0.46
		0.02	0.18		-0.18	0.06		-0.43	0.38		-0.41	0.18
Z4BZ87	3.65	-0.79	0.23	3.90	-0.56	0.16	6.23	-0.59	1.84	8.49	0.00	0.62
		-0.31	0.05		-0.24	0.04		-0.57	0.71		0.00	0.24
6TTCZZ	4.45	1.24	1.86	4.63	1.16	1.29	8.25	1.50	0.90	10.27	1.66	0.40
		0.49	0.36		0.49	0.29		1.45	0.35		1.78	0.15
GKM94Q	3.90	-0.16	0.52	3.72	-0.98	0.27	6.75	-0.05	0.26	8.00	-0.46	0.14
		-0.06	0.10		-0.41	0.06		-0.05	0.10		-0.49	0.05
ACVHGX	4.12	0.40	0.48	4.38	0.57	0.40	7.26	0.47	0.35	9.34	0.80	0.42
		0.16	0.09		0.24	0.09		0.46	0.13		0.85	0.16
6UNU32	3.96	0.01	0.77	4.35	0.51	0.49	7.70	0.93	1.31	10.24	1.64	0.34
		0.00	0.15		0.22	0.11		0.90	0.50		1.75	0.13
XJT9V6	4.14	0.45	0.71	4.20	0.14	0.11	6.94	0.15	0.12	8.45	-0.04	0.59
		0.18	0.14		0.06	0.02		0.14	0.05		-0.04	0.23
UJXXPB	3.49	-1.21	0.06	3.82	-0.76	0.03	3.13	-3.79	0.14	7.88	-0.57	0.38
		-0.47	0.01		-0.32	0.01		-3.67	0.06		-0.61	0.15
D84HQR	4.29	0.84	0.59	4.35	0.50	0.15	7.89	1.12	1.40	9.16	0.62	0.63
		0.33	0.12		0.21	0.03		1.09	0.54		0.67	0.24
9KRXTW	4.19	0.59	0.52	4.33	0.45	0.27	6.79	-0.01	0.68	9.38	0.83	0.92
		0.23	0.10		0.19	0.06		-0.01	0.26		0.89	0.36
Grand Median		3.96			4.14			6.80			8.49	
Median Abs Dev		0.22			0.24			0.46			0.53	
Avg Within Lab SD		0.20			0.22			0.38			0.39	
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) Data units: Percent												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	0.48	0.89	0.18	0.42	0.63	0.10	2.69	0.43	0.13	1.99	1.51	0.08
		0.06	0.00		0.03	0.00		0.14	0.02		0.26	0.01
2V9A2L	0.45	0.37	0.24	0.40	0.23	0.13	2.73	0.56	0.13	1.93	1.16	0.06
		0.02	0.00		0.01	0.00		0.19	0.02		0.20	0.00
9G9ZXE	0.43	0.14	0.23	0.39	0.00	0.18	2.63	0.24	0.13	1.77	0.22	0.08
		0.01	0.00		0.00	0.00		0.08	0.02		0.04	0.01
7LQLUF	0.45	0.43	0.45	0.44	0.94	0.73	2.84	0.89	0.31	1.83	0.56	0.77
		0.03	0.01		0.05	0.02		0.30	0.04		0.09	0.06
UJH8JT	0.36	-0.95	2.48	0.32	-1.45	0.71	2.39	-0.47	0.21	1.76	0.14	1.69
		-0.06	0.04		-0.07	0.02		-0.16	0.03		0.02	0.12
ETFYA8	0.48	0.92	0.56	0.43	0.74	1.07	2.62	0.24	0.53	1.75	0.06	0.76
		0.06	0.01		0.04	0.02		0.08	0.06		0.01	0.05
WPJ78M	0.34	-1.39	0.01	0.34	-1.04	0.01	1.35	-3.56	0.09	1.49	-1.47	0.06
		-0.09	0.00		-0.05	0.00		-1.19	0.01		-0.25	0.00
NM37AU	0.42	0.00	1.28	0.40	0.09	1.50	2.40	-0.42	1.47	1.76	0.14	1.24
		0.00	0.02		0.00	0.03		-0.14	0.17		0.02	0.09
LU92FX	0.62	3.06	0.35	0.49	2.12	0.27	2.63	0.25	0.47	1.92	1.08	0.37
		0.19	0.01		0.10	0.01		0.09	0.06		0.18	0.03
PD8M9Q	0.40	-0.42	2.09	0.37	-0.43	0.49	2.20	-1.02	1.08	1.59	-0.85	1.17
		-0.03	0.03		-0.02	0.01		-0.34	0.13		-0.14	0.08
Z3VZNG	0.37	-0.90	0.35	0.34	-1.03	0.27	2.28	-0.78	0.05	1.54	-1.16	0.48
		-0.06	0.01		-0.05	0.01		-0.26	0.01		-0.20	0.03
KG6H4X	0.40	-0.40	0.18	0.40	0.14	0.14	2.49	-0.16	0.90	1.63	-0.65	0.58
		-0.03	0.00		0.01	0.00		-0.05	0.11		-0.11	0.04
KJBZ3T	0.44	0.28	0.85	0.43	0.88	0.58	2.68	0.39	1.16	1.74	0.00	1.18
		0.02	0.01		0.04	0.01		0.13	0.14		0.00	0.09
3HG3JC	0.41	-0.26	0.35	0.37	-0.47	0.00	2.43	-0.33	0.32	1.70	-0.24	0.29
		-0.02	0.01		-0.02	0.00		-0.11	0.04		-0.04	0.02
E8KYJY	0.45	0.37	0.35	0.41	0.37	0.47	2.85	0.90	0.18	1.82	0.49	0.28
		0.02	0.01		0.02	0.01		0.30	0.02		0.08	0.02
2ZLAYD	0.38	-0.63	0.71	0.40	0.16	3.26	2.57	0.07	3.44	1.73	-0.02	3.50
		-0.04	0.01		0.01	0.07		0.02	0.40		0.00	0.25
XD4VUG	0.40	-0.31	0.25	0.38	-0.24	0.27	2.50	-0.13	0.58	1.66	-0.43	0.26
		-0.02	0.00		-0.01	0.01		-0.04	0.07		-0.07	0.02
9GTK67	0.44	0.30	0.50	0.41	0.37	0.36	2.77	0.68	0.46	1.62	-0.71	0.50
		0.02	0.01		0.02	0.01		0.23	0.05		-0.12	0.04
MFPVJN	0.41	-0.23	1.10	0.38	-0.30	0.23	2.61	0.21	0.41	1.74	0.05	0.27
		-0.01	0.02		-0.01	0.00		0.07	0.05		0.01	0.02
T8DRYH	0.44	0.26		0.40	0.16		2.48	-0.19		1.72	-0.10	0.27
		0.02	0.00		0.01	0.00		-0.06	0.00		-0.02	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
2RDHVB	0.37	-0.92	1.87	0.37	-0.54	2.65	2.58	0.11	1.64	1.62	-0.71	1.34
YNEK8D	0.36	-0.06	0.03	0.35	-0.03	0.06	2.35	0.04	0.19	1.55	-0.12	0.10
RF99BG	0.19	-0.95	0.50	0.18	-0.96	0.36	1.23	-0.59	0.26	0.81	-1.13	0.31
BX698W	0.44	-0.06	0.01	0.39	-0.05	0.01	2.54	-0.20	0.03	1.78	-0.19	0.02
M938NJ	0.40	-3.69	0.61	0.34	-4.46	0.00	2.34	-3.91	1.30	1.54	-5.47	0.37
Z4BZ87	0.37	-0.23	0.01	0.36	-0.21	0.00	2.25	-1.31	0.15	1.60	-0.93	0.03
6TTCZZ	0.43	0.28	0.38	0.39	-0.11	0.25	2.72	0.00	0.14	1.85	0.25	0.09
GKM94Q	0.36	0.02	0.01	0.32	-0.01	0.01	2.51	0.00	0.02	1.63	0.04	0.01
ACVHGX	0.46	-0.30	0.58	0.43	-1.05	0.75	2.47	-0.60	1.11	1.90	-1.14	0.21
6UNU32	0.44	-0.02	0.01	0.44	-0.05	0.02	2.84	-0.20	0.13	1.89	-0.19	0.02
XJT9V6	0.46	-0.80	0.53	0.41	-0.70	0.94	2.69	-0.89	2.42	1.81	-0.81	0.24
UJKXPB	0.33	-0.05	0.01	0.33	-0.03	0.02	1.09	-0.30	0.28	1.45	-0.14	0.02
D84HQR	0.45	0.16	1.52	0.39	0.04	0.88	2.86	0.51	0.34	1.86	0.69	0.32
9KRXTW	0.56	0.01	0.02	0.48	0.00	0.02	2.79	0.17	0.04	1.94	0.12	0.02
		-0.95	1.42		-1.59	1.42		-0.09	0.30		-0.61	0.16
		-0.06	0.02		-0.08	0.03		-0.03	0.04		-0.10	0.01
		0.62	0.13		0.84	0.65		-0.21	0.87		0.97	0.32
		0.04	0.00		0.04	0.01		-0.07	0.10		0.17	0.02
		0.20	0.93		0.94	0.22		0.87	1.39		0.92	1.15
		0.01	0.02		0.04	0.00		0.29	0.16		0.16	0.08
		0.57	0.99		0.45	0.81		0.42	0.26		0.40	0.59
		0.04	0.02		0.02	0.02		0.14	0.03		0.07	0.04
		-1.48	0.30		-1.25	0.20		-4.34	0.67		-1.67	0.29
		-0.09	0.00		-0.06	0.00		-1.45	0.08		-0.28	0.02
		0.35	0.25		-0.08	0.65		0.94	0.44		0.71	0.71
		0.02	0.00		0.00	0.01		0.32	0.05		0.12	0.05
		2.16	2.46		1.91	1.88		0.74	0.77		1.22	2.57
		0.14	0.04		0.09	0.04		0.25	0.09		0.21	0.19
Grand Median		0.42		0.39			2.54			1.74		
Median Abs Dev		0.03		0.03			0.14			0.12		
Avg Within Lab SD		0.02		0.02			0.12			0.07		
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		

Mg (SubTestCode 215)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	0.37	1.14	0.12	0.20	0.78	0.11	0.66	0.40	0.13	1.02	0.24	0.29
		0.04	0.00		0.02	0.00		0.04	0.00		0.03	0.01
2V9A2L	0.36	0.96	0.14	0.20	0.71	0.34	0.68	0.54	0.23	1.08	0.79	0.14
		0.03	0.00		0.02	0.00		0.05	0.01		0.09	0.00
9G9ZXE	0.30	-0.61	0.20	0.16	-0.87	0.21	0.60	-0.21	0.51	0.95	-0.28	0.66
		-0.02	0.00		-0.02	0.00		-0.02	0.01		-0.03	0.02
7LQLUF	0.35	0.72	0.36	0.20	0.98	0.36	0.69	0.66	0.09	1.04	0.41	0.20
		0.03	0.00		0.02	0.00		0.07	0.00		0.05	0.01
UJH8JT	0.29	-1.05	2.00	0.15	-1.50	1.03	0.57	-0.55	0.92	0.98	-0.03	1.45
		-0.04	0.03		-0.03	0.01		-0.05	0.02		0.00	0.05
ETFYA8	0.34	0.53	0.52	0.19	0.19	0.66	0.65	0.31	0.45	1.13	1.15	0.71
		0.02	0.01		0.00	0.01		0.03	0.01		0.14	0.02
WPJ78M	0.28	-1.27	0.02	0.16	-1.11	0.07	0.35	-2.69	0.00	0.96	-0.25	0.00
		-0.05	0.00		-0.02	0.00		-0.27	0.00		-0.03	0.00
NM37AU	0.32	-0.23	2.00	0.17	-0.39	1.19	0.61	-0.15	1.67	0.97	-0.17	1.42
		-0.01	0.03		-0.01	0.01		-0.01	0.04		-0.02	0.05
LU92FX	0.38	1.43	0.46	0.21	1.50	0.59	0.62	0.02	0.68	1.01	0.19	0.29
		0.05	0.01		0.03	0.01		0.00	0.02		0.02	0.01
PD8M9Q	0.32	-0.27	1.33	0.17	-0.60	0.91	0.54	-0.83	1.35	0.89	-0.78	2.61
		-0.01	0.02		-0.01	0.01		-0.08	0.03		-0.09	0.09
Z3VZNG	0.29	-1.05	0.46	0.15	-1.34	0.59	0.54	-0.78	0.26	0.87	-0.95	0.66
		-0.04	0.01		-0.03	0.01		-0.08	0.01		-0.11	0.02
KG6H4X	0.32	-0.27	0.48	0.18	0.09	0.36	0.62	-0.06	1.04	0.93	-0.49	0.49
		-0.01	0.01		0.00	0.00		-0.01	0.02		-0.06	0.02
KJBZ3T	0.32	-0.05	0.24	0.19	0.20	0.41	0.64	0.20	1.49	0.98	-0.02	1.02
		0.00	0.00		0.00	0.00		0.02	0.03		0.00	0.04
3HG3JC	0.33	0.23	0.46	0.18	-0.08	0.00	0.63	0.12	0.26	1.02	0.25	0.17
		0.01	0.01		0.00	0.00		0.01	0.01		0.03	0.01
E8KYJY	0.33	0.14	0.80	0.17	-0.39	0.59	0.66	0.42	1.55	0.99	0.02	0.76
		0.01	0.01		-0.01	0.01		0.04	0.04		0.00	0.03
2ZLAYD	0.29	-0.87	3.59	0.17	-0.55	3.56	0.46	-1.65	1.42	0.65	-2.84	1.91
		-0.03	0.05		-0.01	0.03		-0.16	0.03		-0.34	0.07
XD4VUG	0.33	0.04	0.59	0.19	0.31	0.26	0.69	0.71	0.45	1.12	1.08	0.55
		0.00	0.01		0.01	0.00		0.07	0.01		0.13	0.02
9GTK67	0.39	1.80	0.09	0.20	0.85	0.06	0.76	1.34	0.17	1.23	2.06	1.53
		0.07	0.00		0.02	0.00		0.13	0.00		0.25	0.05
MFPVJN	0.31	-0.47	0.15	0.17	-0.79	0.19	0.61	-0.13	0.28	0.97	-0.14	0.07
		-0.02	0.00		-0.02	0.00		-0.01	0.01		-0.02	0.00
T8DRYH	0.35	0.69		0.19	0.39		0.62	-0.01		1.00	0.11	0.07
		0.03	0.00		0.01	0.00		0.00	0.00		0.01	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
2RDHVB	0.33	0.15	1.37	0.19	0.47	2.54	0.66	0.34	1.43	1.00	0.09	1.24
YNEK8D	0.29	-0.87	0.08	0.16	-1.16	0.33	0.58	-0.44	0.27	0.91	-0.64	0.31
RF99BG	0.30	-0.03	0.00	0.16	-0.02	0.00	0.60	-0.04	0.01	0.88	-0.08	0.01
BX698W	0.35	-0.68	1.38	0.18	-1.02	0.00	0.62	-0.25	0.51	1.02	-0.87	0.92
M938NJ	0.32	-0.02	0.02	0.15	-0.02	0.00	0.56	-0.02	0.01	0.87	-0.10	0.03
Z4BZ87	0.31	0.82	0.15	0.17	-0.24	0.20	0.56	0.01	0.21	0.93	0.26	0.38
6TTCZZ	0.37	0.03	0.00	0.19	-0.01	0.00	0.73	0.00	0.00	1.21	0.03	0.01
GKM94Q	0.31	-0.18	0.09	0.18	-1.29	0.68	0.60	-0.61	1.04	0.87	-0.96	0.47
ACVHGX	0.35	-0.01	0.00	0.19	-0.03	0.01	0.68	-0.06	0.02	0.97	-0.11	0.02
6UNU32	0.33	-0.47	0.58	0.20	-0.71	0.12	0.69	-0.59	3.23	1.03	-0.47	0.11
XJT9V6	0.36	-0.02	0.01	0.20	-0.02	0.00	0.67	-0.06	0.07	1.11	-0.06	0.00
UJKXPB	0.29	1.22	1.15	0.16	0.61	0.65	0.29	1.06	0.64	0.90	1.86	0.76
D84HQR	0.37	0.04	0.01	0.19	0.01	0.01	0.70	0.11	0.01	1.13	0.22	0.03
9KRXTW	0.32	-0.50	0.46	0.18	-0.24	0.59	0.44	-0.18	0.26	1.11	-1.01	0.17
		-0.02	0.01		-0.01	0.01		-0.02	0.01		-0.12	0.01
		0.77	0.20		0.43	0.52		0.61	0.26		-0.18	0.30
		0.03	0.00		0.01	0.01		0.06	0.01		-0.02	0.01
		0.23	0.77		0.69	0.28		0.71	1.53		0.36	1.08
		0.01	0.01		0.01	0.00		0.07	0.03		0.04	0.04
		1.05	1.07		0.69	0.82		0.44	0.44		1.04	1.09
		0.04	0.01		0.01	0.01		0.04	0.01		0.12	0.04
		-0.86	0.24		-1.18	0.21		-3.37	0.22		-0.76	0.48
		-0.03	0.00		-0.03	0.00		-0.34	0.01		-0.09	0.02
		1.26	0.09		0.49	0.51		0.75	0.69		1.16	0.72
		0.05	0.00		0.01	0.01		0.08	0.02		0.14	0.03
		-0.04	1.21		0.08	2.58		-1.78	1.35		1.03	2.59
		0.00	0.02		0.00	0.03		-0.18	0.03		0.12	0.09
Grand Median		0.32			0.18			0.62			0.99	
Median Abs Dev		0.03			0.01			0.05			0.06	
Avg Within Lab SD		0.01			0.01			0.02			0.03	
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		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	0.12	1.05	0.16	0.40	0.94	0.23	1.39	1.17	0.11	0.26	1.17	0.15
		0.02	0.00		0.04	0.00		0.19	0.01		0.04	0.00
2V9A2L	0.10	0.09	0.12	0.35	0.00	0.17	1.25	0.32	0.13	0.22	-0.05	0.11
		0.00	0.00		0.00	0.00		0.05	0.01		0.00	0.00
9G9ZXE	0.10	-0.12	0.28	0.33	-0.50	0.60	1.21	0.10	0.45	0.23	0.22	0.33
		0.00	0.00		-0.02	0.01		0.02	0.03		0.01	0.01
7LQLUF	0.11	0.16	0.40	0.40	1.05	0.78	1.26	0.40	0.05	0.21	-0.42	0.53
		0.00	0.00		0.05	0.01		0.07	0.00		-0.01	0.01
UJH8JT	0.09	-0.78	1.08	0.30	-1.18	1.12	1.06	-0.81	0.67	0.19	-0.94	0.77
		-0.01	0.01		-0.06	0.01		-0.13	0.04		-0.03	0.01
ETFYA8	0.12	1.00	0.00	0.37	0.26	0.44	1.22	0.16	0.21	0.24	0.68	0.00
		0.02	0.00		0.01	0.01		0.03	0.01		0.02	0.00
WPJ78M	0.07	-1.75	0.34	0.23	-2.53	0.26	0.47	-4.47	0.02	0.16	-1.83	0.47
		-0.03	0.00		-0.12	0.00		-0.73	0.00		-0.06	0.01
NM37AU	0.10	0.00	2.05	0.32	-0.66	1.60	1.09	-0.64	2.06	0.25	0.90	3.12
		-0.60	0.77		-0.73	0.77		-0.31	0.74		-0.07	0.38
LU92FX	0.09	-0.01	0.01	0.32	-0.03	0.01	1.15	-0.05	0.04	0.22	0.00	0.01
		-0.70	0.89		-0.64	1.58		-0.43	0.72		-0.33	0.81
PD8M9Q	0.09	-0.01	0.01	0.32	-0.03	0.02	1.13	-0.07	0.04	0.21	-0.01	0.01
		-0.20	0.00		-0.09	0.00		0.00	0.10		-0.07	0.38
Z3VZNG	0.10	0.00	0.00	0.35	0.00	0.00	1.20	0.00	0.01	0.22	0.00	0.01
		-0.10	0.68		0.15	1.75		-0.06	1.93		-0.01	1.29
KG6H4X	0.10	0.00	0.01	0.36	0.01	0.02	1.19	-0.01	0.11	0.22	0.00	0.02
		0.10	0.82		0.37	0.33		0.82	0.78		0.52	0.57
KJBZ3T	0.11	0.00	0.01	0.37	0.02	0.00	1.33	0.13	0.04	0.24	0.02	0.01
		0.20	0.77		0.05	0.44		0.21	0.82		0.26	0.38
3HG3JC	0.11	0.00	0.01	0.36	0.00	0.01	1.23	0.03	0.05	0.23	0.01	0.01
		0.40	0.00		0.33	0.77		0.90	0.45		0.47	0.38
E8KYJY	0.11	0.01	0.00	0.37	0.02	0.01	1.34	0.15	0.03	0.23	0.01	0.01
		-0.98	0.97		-0.66	0.89		-0.80	1.03		-0.71	0.38
2ZLAYD	0.09	-0.02	0.01	0.32	-0.03	0.01	1.07	-0.13	0.06	0.20	-0.02	0.01
		0.40	0.13		0.39	0.57		0.79	0.38		0.60	0.27
XD4VUG	0.11	0.01	0.00	0.37	0.02	0.01	1.33	0.13	0.02	0.24	0.02	0.00
		1.88	0.94		1.72	0.24		1.50	0.39		2.74	0.22
9GTK67	0.13	0.03	0.01	0.44	0.08	0.00	1.44	0.24	0.02	0.30	0.09	0.00
		-0.17	0.22		-0.64	0.83		-0.12	1.27		0.27	0.06
MFPVJN	0.10	0.00	0.00	0.32	-0.03	0.01	1.18	-0.02	0.07	0.23	0.01	0.00
		-0.20			-0.31			-0.29			-0.28	0.06
T8DRYH	0.10	0.00	0.00	0.34	-0.01	0.00	1.15	-0.05	0.00	0.21	-0.01	0.00



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		Difference	W/L STD
2RDHVB	0.10	-0.36	0.95	0.35	0.00	3.11	1.22	0.13	0.74	0.21	-0.17	0.75
YNEK8D	0.09	-0.01	0.01	0.30	0.00	0.04	1.08	0.02	0.04	0.20	-0.01	0.01
RF99BG	0.09	-0.94	0.06	0.31	-1.12	0.36	1.10	-0.74	0.48	0.18	-0.67	0.24
BX698W	0.11	-0.02	0.00	0.37	-0.05	0.00	1.27	-0.12	0.03	0.22	-0.02	0.00
M938NJ	0.10	-1.10	1.29	0.32	-0.87	0.44	1.11	-0.60	0.00	0.19	-1.35	0.38
Z4BZ87	0.10	-0.02	0.01	0.36	-0.04	0.01	1.20	-0.10	0.00	0.23	-0.04	0.01
6TTCZZ	0.17	0.67	0.13	0.38	0.42	0.36	1.39	0.46	0.23	0.29	0.00	0.15
ACVHGX	0.11	0.01	0.00	0.39	0.02	0.00	1.05	0.07	0.01	0.25	0.00	0.00
6UNU32	0.10	-0.20	0.28	0.37	-0.68	0.92	1.39	-0.55	0.98	0.24	-0.94	0.21
XJT9V6	0.10	0.00	0.00	0.34	-0.03	0.01	1.15	-0.09	0.06	0.20	-0.03	0.00
9KRXTW	0.14	0.04	0.40	0.24	0.11	0.74	1.12	0.02	2.63	0.23	0.22	0.30
		0.00	0.00		0.01	0.01		0.00	0.15		0.01	0.00
		3.75	0.34		0.58	1.76		1.19	0.47		2.35	1.48
		0.06	0.00		0.03	0.02		0.19	0.03		0.07	0.02
		0.52	0.23		0.82	0.81		-0.91	1.32		1.14	0.14
		0.01	0.00		0.04	0.01		-0.15	0.07		0.04	0.00
		0.01	0.55		0.31	0.41		1.22	1.45		0.81	0.18
		0.00	0.00		0.01	0.01		0.20	0.08		0.03	0.00
		-0.41	0.37		-0.30	0.43		-0.29	0.33		-0.49	0.45
		-0.01	0.00		-0.01	0.01		-0.05	0.02		-0.02	0.01
		2.01	4.10		-2.49	1.17		-0.49	1.96		0.26	3.63
		0.03	0.03		-0.12	0.02		-0.08	0.11		0.01	0.06
Grand Median		0.10		0.35			1.20			0.22		
Median Abs Dev		0.01		0.03			0.08			0.02		
Avg Within Lab SD		0.01		0.01			0.06			0.02		
Labs Included		31		31			31			31		
Labs Reporting		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
Difference W/L STD			Difference W/L STD			Difference W/L STD		

Na (SubTestCode 217)	in the Wet Digestion Property Groups									Data units: Percent		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	2.485	1.145	0.024	0.010	0.026	0.485	0.696	1.179	0.109	0.163	1.171	0.336
		0.292	0.003		0.000	0.002		0.114	0.003		0.027	0.004
2V9A2L	2.241	0.188	0.021	0.006	-0.297	0.368	0.650	0.702	0.023	0.177	1.787	0.055
		0.048	0.003		-0.004	0.001		0.068	0.001		0.041	0.001
9G9ZXE	2.300	0.418	0.185	0.010	-0.003	1.638	0.612	0.317	0.311	0.132	-0.219	0.203
		0.107	0.026		0.000	0.006		0.031	0.008		-0.005	0.002
7LQLUF	2.069	-0.489	1.191	0.014	0.325	1.526	0.562	-0.202	0.868	0.145	0.379	0.356
		-0.125	0.170		0.004	0.005		-0.020	0.022		0.009	0.004
UJH8JT	1.814	-1.488	2.806	0.001	-0.703	0.007	0.514	-0.692	0.556	0.121	-0.690	0.351
		-0.379	0.401		-0.009	0.000		-0.067	0.014		-0.016	0.004
WPJ78M	1.752	-1.731	0.213	0.007	-0.230	0.000	0.326	-2.631	0.014	0.132	-0.191	0.031
		-0.441	0.031		-0.003	0.000		-0.255	0.000		-0.004	0.000
NM37AU	2.210	0.065	2.814	0.030	1.665	0.000	0.530	-0.531	1.748	0.143	0.292	1.833
		0.017	0.403		0.020	0.000		-0.052	0.044		0.007	0.021
LU92FX	1.943	-0.980	0.225	0.117	8.774	1.717	0.637	0.568	0.232	0.190	2.334	0.000
		-0.250	0.032		0.107	0.006		0.055	0.006		0.053	0.000
PD8M9Q	2.030	-0.640	0.185	0.019	0.725	0.581	0.509	-0.751	1.044	0.148	0.481	0.434
		-0.163	0.026		0.009	0.002		-0.073	0.026		0.011	0.005
Z3VZNG	1.724	-1.842	0.393	0.011	0.107	1.362	0.504	-0.803	0.190	0.112	-1.079	0.264
		-0.470	0.056		0.001	0.005		-0.078	0.005		-0.025	0.003
KG6H4X	2.117	-0.301	0.315	0.005	-0.358	0.454	0.574	-0.075	1.751	0.116	-0.890	1.051
		-0.077	0.045		-0.004	0.002		-0.007	0.044		-0.020	0.012
KJBZ3T	2.003	-0.745	0.146	0.018	0.653	0.687	0.579	-0.026	1.037	0.146	0.423	0.416
		-0.190	0.021		0.008	0.002		-0.003	0.026		0.010	0.005
3HG3JC	2.323	0.510	0.176	0.017	0.571	3.433	0.627	0.465	0.232	0.137	0.000	0.508
		0.130	0.025		0.007	0.012		0.045	0.006		0.000	0.006
E8KYJY	2.297	0.405	0.885	0.010	0.025	0.000	0.610	0.293	0.802	0.127	-0.438	0.508
		0.103	0.127		0.000	0.000		0.028	0.020		-0.010	0.006
2ZLAYD	2.267	0.288	2.825	0.017	0.599	0.595	0.630	0.499	1.838	0.150	0.583	2.330
		0.073	0.404		0.007	0.002		0.048	0.046		0.013	0.026
XD4VUG	2.088	-0.414	0.059	0.004	-0.435	0.059	0.553	-0.298	0.116	0.119	-0.773	0.088
		-0.106	0.008		-0.005	0.000		-0.029	0.003		-0.018	0.001
9GTK67	2.386	0.756	0.104	0.006	-0.304	0.000	0.640	0.602	0.250	0.155	0.788	0.051
		0.193	0.015		-0.004	0.000		0.058	0.006		0.018	0.001
MFPVJN	2.035	-0.621	0.111	0.015	0.442	1.579	0.559	-0.236	0.729	0.123	-0.611	0.198
		-0.158	0.016		0.005	0.005		-0.023	0.018		-0.014	0.002
2RDHVB	2.130	-0.247	0.706	0.012	0.189	0.787	0.603	0.221	1.379	0.124	-0.554	0.699
		-0.063	0.101		0.002	0.003		0.021	0.034		-0.013	0.008
YNEK8D	2.131	-0.243	0.028	0.008	-0.123	0.069	0.556	-0.261	0.617	0.128	-0.379	0.428
		-0.062	0.004		-0.001	0.000		-0.025	0.015		-0.009	0.005



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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					
BX698W	2.377	0.721	0.093	0.004	-0.441	0.038	0.582	0.000	0.308	0.146	0.415	0.116
		0.184	0.013		-0.005	0.000		0.000	0.008		0.009	0.001
M938NJ	2.193	0.000	0.672	0.005	-0.350	0.352	0.518	-0.658	1.372	0.124	-0.554	0.176
		0.000	0.096		-0.004	0.001		-0.064	0.034		-0.013	0.002
Z4BZ87	1.993	-0.784	0.291	0.006	-0.304	0.850	0.500	-0.837	2.588	0.134	-0.117	0.176
		-0.200	0.042		-0.004	0.003		-0.081	0.065		-0.003	0.002
6TTCZZ	2.620	1.673	0.824	0.010	0.003	0.304	0.702	1.244	0.584	0.162	1.123	0.283
		0.427	0.118		0.000	0.001		0.121	0.015		0.026	0.003
ACVHGX	2.378	0.724	0.468	0.002	-0.604	0.454	0.671	0.922	0.879	0.148	0.510	0.283
		0.185	0.067		-0.007	0.002		0.089	0.022		0.012	0.003
6UNU32	2.213	0.077	0.589	0.010	0.016	0.221	0.634	0.540	1.584	0.159	0.973	4.067
		0.020	0.084		0.000	0.001		0.052	0.040		0.022	0.046
XJT9V6	2.263	0.274	0.423	0.008	-0.153	0.587	0.595	0.143	0.412	0.135	-0.055	0.309
		0.070	0.061		-0.002	0.002		0.014	0.010		-0.001	0.004
UJKXPB	2.007	-0.732	0.107				0.264	-3.269	0.083	0.110	-1.167	0.088
		-0.187	0.015					-0.317	0.002		-0.027	0.001
D84HQR	2.463	1.059	0.214	0.004	-0.462	0.034	0.639	0.595	0.116	0.150	0.583	0.384
		0.270	0.031		-0.006	0.000		0.058	0.003		0.013	0.004
Grand Median		2.19			0.010			0.58			0.14	
Median Abs Dev		0.16			0.004			0.05			0.01	
Avg Within Lab SD		0.14			0.003			0.02			0.01	
Labs Included		29			28			29			29	
Labs Reporting		29			28			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		

AI (SubTestCode 218) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	46.6	-0.1	1.5	51.5	0.3	1.1	1,351.0	1.3	0.2	93.4	0.6	0.1
		-2.6	4.6		6.8	14.8		484.8	9.0		29.6	5.9
9G9ZXE	41.0	-0.4	0.5	26.3	-0.9	0.0	73.7	-2.0	0.0	24.9	-0.8	0.0
		-8.2	1.5		-18.4	0.5		-792.5	1.2		-39.0	0.9
UJH8JT	43.9	-0.2	1.1	64.6	0.9	4.1	862.1	0.0	0.4	55.1	-0.2	0.1
		-5.3	3.2		19.9	54.0		-4.1	21.6		-8.8	10.6
ETFYA8	75.4	1.2	0.2	71.6	1.3	0.1	1,153.1	0.7	0.0	107.2	0.9	0.0
		26.2	0.7		26.9	0.8		286.9	2.5		43.3	1.6
NM37AU	58.2	0.4	1.2	53.8	0.4	1.2	978.5	0.3	1.2	91.2	0.6	0.1
		9.0	3.8		9.1	15.8		112.3	66.6		27.3	7.5
LU92FX	23.7	-1.2	0.9	18.0	-1.3	0.1	171.0	-1.8	0.1	31.3	-0.7	0.0
		-25.5	2.9		-26.7	1.7		-695.2	3.6		-32.5	2.1
Z3VZNG	41.0	-0.4	0.3	44.7	0.0	4.7	870.3	0.0	0.4			0.0
		-8.2	1.0		0.0	4.7		4.1	22.0			
KJBZ3T	34.0	-0.7	0.3	33.7	-0.5	0.2	689.7	-0.5	1.1	47.7	-0.3	0.0
		-15.2	1.0		-11.0	3.2		-176.5	61.2		-16.2	3.8
3HG3JC	62.8	0.6	0.7	65.2	1.0	0.3	836.4	-0.1	0.5	68.1	0.1	0.0
		13.5	2.1		20.6	3.4		-29.8	31.1		4.2	3.2
E8KYJY	37.7	-0.5	1.7	25.7	-0.9	0.9	506.0	-0.9	1.3	46.3	-0.4	0.0
		-11.5	5.1		-19.0	11.5		-360.2	76.4		-17.5	3.2
XD4VUG	47.0	-0.1	1.0	41.5	-0.2	0.1	726.4	-0.4	0.1	27.4	-0.7	0.0
		-2.2	3.1		-3.2	0.8		-139.8	3.9		-36.5	1.8
9GTK67	119.3	3.2	0.6	79.7	1.7	0.6	1,213.9	0.9	1.5	106.8	0.9	0.1
		70.0	1.8		35.1	7.8		347.7	87.3		42.9	5.8
2RDHVB	77.3	1.3	1.2	79.3	1.6	0.3	1,359.3	1.3	0.7	91.1	0.5	0.1
		28.1	3.8		34.6	3.7		493.1	40.8		27.2	9.7
YNEK8D	56.8	0.3	0.4	44.6	0.0	0.1	1,054.5	0.5	1.8	72.3	0.2	0.0
		7.6	1.3		0.0	1.9		188.3	101.8		8.4	1.9
BX698W	51.4	0.1	0.2	43.4	-0.1	0.0	753.8	-0.3	1.0	55.8	-0.2	0.0
		2.2	0.6		-1.3	0.4		-112.4	57.4		-8.0	3.7
M938NJ	37.3	-0.5	0.6	32.4	-0.6	0.2	722.3	-0.4	0.9	47.8	-0.3	0.0
		-11.9	1.7		-12.3	2.1		-143.9	52.9		-16.0	2.4
Z4BZ87	46.7	-0.1	0.4	41.3	-0.2	0.3	819.3	-0.1	1.7	59.7	-0.1	0.0
		-2.5	1.2		-3.3	4.0		-46.9	96.5		-4.2	3.2
6TTCZZ	58.7	0.4	0.9	57.0	0.6	0.1	1,306.7	1.1	1.3	78.6	0.3	0.0
		9.5	2.7		12.4	1.8		440.5	73.7		14.7	1.1
ACVHGX	35.0	-0.6	2.5	31.7	-0.6	0.4	882.4	0.0	1.2	38.6	-0.5	0.2
		-14.2	7.6		-13.0	5.2		16.2	71.1		-25.3	19.7
6UNU32	60.6	0.5	0.6	60.2	0.7	0.1	1,182.0	0.8	1.7	314.6	5.1	4.5
		11.4	1.8		15.5	0.8		315.8	96.6		250.8	378.3



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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					
UJKXPB	75.7	1.2	1.2				358.7	-1.3	0.3			4.5
		26.5	3.5					-507.5	17.0			
D84HQR	67.4	0.8	0.3	56.2	0.5	0.1	909.0	0.1	0.5	79.9	0.3	0.1
		18.2	1.0		11.5	1.3		42.8	27.1		16.0	4.4
Grand Median		49.2			44.7			866.2				63.9
Median Abs Dev		11.5			12.4			182.4				21.4
Avg Within Lab SD		3.0			13.3			57.2				84.8
Labs Included		22			21			22				20
Labs Reporting		22			21			22				20



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

B (SubTestCode 219)												Data units: mg/kg		
SRBSRB1605				SRBSRB1606				SRBSRB1607						
P2ZHYY								44.40	0.00	0.28	26.10	-0.39	0.30	
									0.00	0.60		-2.20	0.32	
2V9A2L	27.08	0.11	0.00	3.93	-0.24	1.13	41.50	-0.36	0.41	32.34	0.71	0.00		
		0.58	0.00		-0.57	0.62		-2.90	0.87		4.04	0.00		
9G9ZXE	26.70	0.04	0.61	4.47	-0.02	0.64	44.00	-0.05	0.59	28.70	0.07	2.30		
		0.20	0.78		-0.04	0.35		-0.40	1.25		0.40	2.50		
7LQLUF	24.27	-0.42	0.50	0.79	-1.57	0.38	40.36	-0.51	0.62	23.53	-0.84	1.43		
		-2.23	0.64		-3.71	0.21		-4.04	1.33		-4.77	1.55		
UJH8JT	25.71	-0.15	1.15	4.61	0.05	0.59	44.83	0.05	0.30	29.29	0.17	1.44		
		-0.79	1.47		0.11	0.33		0.43	0.64		0.99	1.57		
ETFYA8	26.53	0.01	0.43	5.33	0.35	0.28	43.33	-0.13	0.50	28.30	0.00	0.24		
		0.03	0.55		0.83	0.15		-1.06	1.06		0.00	0.26		
WPJ78M	18.95	-1.41	0.30	2.77	-0.73	0.06	16.79	-3.46	0.34	19.91	-1.48	0.27		
		-7.55	0.38		-1.73	0.03		-27.61	0.73		-8.39	0.29		
NM37AU	31.63	0.96	1.91	7.80	1.39	2.05	51.27	0.86	1.09	35.00	1.18	1.12		
		5.13	2.44		3.30	1.13		6.87	2.32		6.70	1.22		
LU92FX	28.67	0.40	0.45	6.67	0.91	1.05	45.00	0.08	0.47	30.00	0.30	0.92		
		2.17	0.58		2.16	0.58		0.60	1.00		1.70	1.00		
PD8M9Q	26.40	-0.02	1.72	4.47	-0.01	0.51	45.87	0.18	1.73	29.80	0.26	0.79		
		-0.10	2.19		-0.03	0.28		1.47	3.70		1.50	0.85		
Z3VZNG	22.67	-0.72	0.45	4.00	-0.21		44.00	-0.05		25.33	-0.52	0.53		
		-3.83	0.58		-0.50	0.00		-0.40	0.00		-2.97	0.58		
KG6H4X	26.47	-0.01	0.39	6.04	0.65	0.82	48.43	0.51	1.75	28.30	0.00	0.64		
		-0.03	0.50		1.54	0.45		4.04	3.72		0.00	0.70		
KJBZ3T	13.33	-2.46	0.45	0.80	-1.56	0.52	26.33	-2.27	0.27	16.00	-2.16	0.92		
		-13.17	0.58		-3.70	0.28		-18.06	0.58		-12.30	1.00		
3HG3JC	27.35	0.16	0.63	5.97	0.62	1.11	45.18	0.10	1.88	27.46	-0.15	0.33		
		0.85	0.80		1.47	0.61		0.78	4.01		-0.84	0.36		
E8KYJY	28.00	0.28	0.78	4.00	-0.21		52.33	1.00	0.27	33.00	0.83	0.92		
		1.50	1.00		-0.50	0.00		7.94	0.58		4.70	1.00		
2ZLAYD	21.67	-0.90	0.45	4.17	-0.14	0.11	39.00	-0.68	0.47	25.00	-0.58	0.92		
		-4.83	0.58		-0.34	0.06		-5.40	1.00		-3.30	1.00		
XD4VUG	23.26	-0.60	0.18	3.44	-0.45	0.04	44.08	-0.04	0.23	25.88	-0.43	0.24		
		-3.24	0.24		-1.06	0.02		-0.31	0.49		-2.42	0.26		
9GTK67	36.84	1.93	1.06	10.08	2.35	0.90	58.17	1.73	0.41	34.38	1.07	0.46		
		10.34	1.35		5.58	0.49		13.77	0.88		6.08	0.50		
T8DRYH	25.00	-0.28		5.00	0.21		43.00	-0.18		28.00	-0.05	0.46		
		-1.50	0.00		0.50	0.00		-1.40	0.00		-0.30	0.00		
2RDHVB	29.94	0.64	1.49	7.04	1.07	3.40	48.09	0.46	2.75	33.11	0.85	1.78		
		3.44	1.90		2.54	1.86		3.70	5.86		4.81	1.93		



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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					
YNEK8D	23.16	-0.62	0.35	1.07	-1.45		42.22	-0.27	0.57	26.04	-0.40	0.69
RF99BG	22.03	-3.34	0.45	2.46	-3.44	0.00	42.70	-2.18	1.21	25.27	-2.26	0.75
BX698W	28.66	-0.83	2.76	4.28	-0.86	0.84	45.98	-0.21	1.40	30.01	-0.53	2.37
M938NJ	28.97	-4.47	3.52	5.20	-2.05	0.46	46.57	-1.70	2.99	29.30	-3.03	2.58
Z4BZ87	23.93	0.40	0.09	4.53	-0.09	0.16	39.07	0.20	0.05	26.53	0.30	0.20
6TTCZZ	31.53	2.16	0.11	6.03	-0.22	0.09	51.47	1.58	0.10	36.60	1.71	0.22
GKM94Q	20.43	0.46	1.11	0.94	0.29	0.36	40.70	0.27	0.33	23.83	0.18	0.51
ACVHGX	17.05	2.47	1.42	7.55	0.70	0.20	36.55	2.17	0.71	19.48	1.00	0.56
6UNU32	30.02	-0.48	0.30	6.25	0.01	0.59	60.79	-0.67	2.31	35.45	-0.31	0.45
XJT9V6	31.37	-2.57	0.38	4.05	0.03	0.32	53.62	-5.33	4.92	35.39	-1.77	0.49
D84HQR	29.47	0.94	2.12	5.47	0.65	0.90	52.77	0.89	0.67	33.20	1.46	0.70
		-1.13	0.39		-1.50			7.07	1.42		8.30	0.75
		-6.07	0.50		-3.56	0.00		-0.46	0.34		-0.79	0.98
		-1.76	0.91		1.29	2.15		-3.70	0.72		-4.47	1.07
		-9.45	1.17		3.05	1.18		-0.98	0.69		-1.55	1.48
		0.66	0.66		0.74	0.41		-7.85	1.48		-8.82	1.60
		3.52	0.84		1.75	0.23		2.06	1.19		1.26	0.61
		0.91	0.78		-0.19	0.71		16.39	2.53		7.15	0.66
		4.87	0.99		-0.46	0.39		1.16	0.43		1.25	0.63
		0.55	0.50		0.41	0.56		9.22	0.92		7.09	0.68
		2.97	0.64		0.96	0.31		1.05	0.19		0.86	0.91
								8.37	0.40		4.90	0.98
Grand Median		26.5		4.50			44.4			28.3		
Median Abs Dev		3.1		1.27			3.7			3.0		
Avg Within Lab SD		1.3		0.55			2.1			1.1		
Labs Included		30		30			31			31		
Labs Reporting		30		30			31			31		



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

Zn (SubTestCode 220) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	18.6	1.7	0.3	34.4	2.0	1.2	91.2	1.5	0.3	32.5	1.7	0.5
		5.1	0.4		8.5	1.6		18.3	0.7		7.7	0.7
2V9A2L	13.5	0.0	0.2	27.1	0.3	0.5	75.0	0.2	0.5	25.7	0.2	0.2
		0.1	0.3		1.2	0.6		2.1	1.2		0.9	0.2
9G9ZXE	13.2	-0.1	0.2	26.3	0.1	0.4	73.5	0.0	0.5	24.9	0.0	0.7
		-0.3	0.2		0.4	0.5		0.6	1.5		0.0	1.0
7LQLUF	15.4	0.6	0.5	32.8	1.6	1.4	82.5	0.8	1.0	26.4	0.3	0.1
		1.9	0.7		6.8	1.8		9.7	2.7		1.5	0.1
UJH8JT	10.4	-1.0	0.7	21.8	-1.0	1.2	65.0	-0.6	0.4	19.4	-1.2	0.9
		-3.1	0.9		-4.1	1.5		-7.8	1.1		-5.5	1.2
ETFYA8	15.3	0.6	0.4	27.3	0.3	0.4	73.0	0.0	0.4	23.7	-0.3	0.4
		1.8	0.6		1.4	0.6		0.1	1.0		-1.2	0.6
WPJ78M	8.6	-1.6	0.0	15.8	-2.4	0.0	26.3	-3.7	0.0	15.3	-2.1	0.1
		-4.9	0.0		-10.2	0.0		-46.6	0.1		-9.6	0.1
NM37AU	17.5	1.4	1.3	27.7	0.4	0.6	72.9	0.0	1.1	30.1	1.2	0.7
		4.0	1.7		1.7	0.8		0.0	2.9		5.3	1.0
LU92FX	17.7	1.4	0.4	29.7	0.9		73.0	0.0	0.7	26.0	0.3	0.7
		4.2	0.6		3.7	1.2		0.1	2.0		1.1	0.0
PD8M9Q	16.2	0.9	1.7	25.9	0.0	1.8	73.0	0.0	0.3	24.5	-0.1	2.7
		2.7	2.2		-0.1	2.3		0.1	0.8		-0.4	3.6
Z3VZNG	13.0	-0.2		24.3	-0.4	0.4	70.3	-0.2	0.2	23.0	-0.4	0.8
		-0.5	0.0		-1.6	0.6		-2.5	0.6		-1.9	1.0
KG6H4X	16.4	1.0	4.5	25.9	0.0	0.3	70.3	-0.2	1.3	28.3	0.8	1.4
		2.9	5.9		0.0	0.4		-2.5	3.4		3.4	1.8
KJBZ3T	15.7	0.7	0.9	31.3	1.3	1.2	82.3	0.8	1.2	29.7	1.1	0.9
		2.2	1.2		5.4	1.5		9.5	3.2		4.8	1.2
3HG3JC	12.6	-0.3	0.3	23.5	-0.6	0.4	62.0	-0.9	0.3	21.7	-0.7	0.1
		-0.9	0.4		-2.4	0.5		-10.9	0.7		-3.1	0.1
E8KYJY	13.7	0.1	0.4	27.7	0.4	0.4	79.7	0.5	1.3	27.3	0.5	0.4
		0.2	0.6		1.7	0.6		6.8	3.5		2.5	0.6
2ZLAYD	13.3	-0.1	0.9	25.3	-0.1	0.4	63.7	-0.7	0.8	23.3	-0.3	1.6
		-0.2	1.2		-0.6	0.6		-9.2	2.1		-1.5	2.1
XD4VUG	17.3	1.3	0.4	32.6	1.5	0.8	82.2	0.7	1.0	31.3	1.4	0.7
		3.8	0.5		6.6	1.0		9.4	2.6		6.5	0.9
9GTK67	14.3	0.3	0.8	25.3	-0.2	1.0	79.8	0.6	0.2	23.2	-0.4	0.3
		0.8	1.0		-0.7	1.3		6.9	0.7		-1.7	0.3
T8DRYH	13.0	-0.2		23.0	-0.7		66.0	-0.5		24.0	-0.2	0.3
		-0.5	0.0		-2.9	0.0		-6.9	0.0		-0.9	0.0
2RDHVB	13.5	0.0	1.3	30.0	1.0	1.7	81.2	0.7	1.9	26.3	0.3	1.7
		0.0	1.6		4.1	2.2		8.4	5.1		1.4	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					
YNEK8D	12.3	-0.4	0.0	26.2	0.1	0.7	68.0	-0.4	0.3	21.9	-0.7	0.3
		-1.2	0.0		0.3	1.0		-4.9	0.9		-3.0	0.4
RF99BG	12.3	-0.4	0.8	25.0	-0.2	1.5	68.6	-0.3	2.1	25.8	0.2	2.1
		-1.2	1.1		-0.9	1.9		-4.2	5.8		0.9	2.7
BX698W	15.8	0.8	0.4	28.3	0.5	1.5	74.9	0.2	0.1	27.4	0.6	0.9
		2.3	0.5		2.3	1.9		2.0	0.4		2.6	1.1
M938NJ	13.2	-0.1	0.4	26.1	0.0	1.4	56.8	-1.3	0.7	23.2	-0.4	0.4
		-0.3	0.5		0.1	1.8		-16.1	1.8		-1.7	0.5
Z4BZ87	12.0	-0.5	0.1	23.8	-0.5	0.1	60.6	-1.0	2.5	24.7	0.0	0.5
		-1.5	0.1		-2.2	0.2		-12.2	6.7		-0.2	0.6
6TTCZZ	13.1	-0.1	0.2	25.1	-0.2	0.2	74.7	0.1	0.4	24.8	0.0	0.9
		-0.4	0.2		-0.8	0.3		1.8	1.1		-0.1	1.2
GKM94Q	13.1	-0.1	0.2	25.0	-0.2	0.2	72.1	-0.1	0.0	26.2	0.3	0.4
		-0.4	0.3		-1.0	0.2		-0.7	0.1		1.3	0.5
ACVHGX	2.5	-3.7	0.3	12.1	-3.2	0.9	64.6	-0.7	0.3	14.1	-2.4	0.4
		-11.0	0.4		-13.9	1.2		-8.2	0.8		-10.8	0.5
6UNU32	15.4	0.7	0.9	31.1	1.2	0.9	86.1	1.1	2.8	33.2	1.8	2.0
		1.9	1.1		5.2	1.1		13.2	7.5		8.3	2.7
XJT9V6	12.1	-0.5	0.1	25.6	-0.1	1.6	66.1	-0.5	0.2	21.9	-0.6	0.8
		-1.4	0.2		-0.3	2.1		-6.8	0.7		-2.9	1.0
UJKXPB	12.0	-0.5		23.7	-0.5	0.4	30.7	-3.4	0.2	22.3	-0.6	0.4
		-1.5	0.0		-2.3	0.6		-42.2	0.6		-2.5	0.6
D84HQR	13.7	0.1	0.1	25.7	-0.1	0.7	68.9	-0.3	0.2	25.6	0.2	0.6
		0.2	0.1		-0.2	1.0		-4.0	0.5		0.7	0.8
9KRXTW	16.4	1.0	0.8	28.4	0.6	2.1	77.5	0.4	0.5	29.8	1.1	1.2
		2.9	1.0		2.5	2.8		4.6	1.4		4.9	1.5
Grand Median		13.5			25.9			72.9			24.9	
Median Abs Dev		1.5			1.7			6.8			1.9	
Avg Within Lab SD		1.3			1.3			2.7			1.3	
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		

Mn (SubTestCode 221)	in the Wet Digestion Property Groups									Data units: mg/kg		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	45.4	1.6	0.2	67.3	1.2	0.2	106.5	0.6	0.3	65.4	0.3	1.0
		7.1	0.4		7.8	0.3		7.8	1.0		2.1	2.1
2V9A2L	41.2	0.6	0.2	61.5	0.3	0.2	110.3	0.8	0.2	72.4	1.4	0.5
		2.9	0.3		2.0	0.4		11.7	0.6		9.1	1.0
9G9ZXE	37.3	-0.2	0.5	56.8	-0.4	0.3	102.0	0.2	0.5	65.4	0.3	0.7
		-1.0	0.7		-2.6	0.7		3.3	1.9		2.1	1.3
7LQLUF	39.0	0.2	0.2	63.0	0.6	0.2	108.8	0.7	0.2	73.1	1.5	0.4
		0.7	0.3		3.5	0.5		10.1	0.6		9.8	0.7
UJH8JT	36.1	-0.5	1.4	56.9	-0.4	1.3	96.4	-0.2	0.3	62.2	-0.2	1.5
		-2.3	2.0		-2.5	2.7		-2.3	1.0		-1.1	3.0
ETFYA8	40.3	0.5	0.4	61.3	0.3	0.3	99.3	0.0	0.9	71.7	1.2	0.8
		2.0	0.6		1.9	0.6		0.7	3.2		8.4	1.5
WPJ78M	32.4	-1.3	0.2	51.9	-1.2	0.1	50.8	-3.4	0.0	57.1	-0.9	0.1
		-5.9	0.3		-7.5	0.1		-47.9	0.1		-6.2	0.2
NM37AU	37.6	-0.2	2.2	53.5	-0.9	1.0	96.9	-0.1	0.8	62.1	-0.2	0.4
		-0.8	3.2		-5.9	2.0		-1.8	3.0		-1.2	0.8
LU92FX	41.0	0.6	1.2	60.0	0.1	1.0	93.0	-0.4	0.3	62.3	-0.1	1.0
		2.7	1.7		0.6	2.0		-5.7	1.0		-1.0	2.1
PD8M9Q	34.6	-0.9	0.9	56.6	-0.4	0.8	92.4	-0.4	0.5	63.8	0.1	1.2
		-3.8	1.3		-2.8	1.6		-6.3	1.9		0.5	2.4
Z3VZNG	32.7	-1.3	0.4	51.0	-1.3		83.7	-1.1	0.2	56.0	-1.1	0.5
		-5.7	0.6		-8.4	0.0		-15.0	0.6		-7.3	1.0
KG6H4X	37.9	-0.1	0.5	62.6	0.5	0.2	98.7	0.0	1.5	56.5	-1.0	0.8
		-0.5	0.7		3.2	0.4		0.0	5.7		-6.8	1.5
KJBZ3T	38.3	0.0	0.4	63.3	0.6	0.8	106.7	0.6	2.2	65.0	0.3	2.0
		0.0	0.6		3.9	1.5		8.0	8.1		1.7	4.0
3HG3JC	39.4	0.2	0.4	59.4	0.0	0.4	93.7	-0.4	0.1	63.3	0.0	0.4
		1.0	0.5		0.0	0.8		-5.0	0.5		0.0	0.8
E8KYJY	43.0	1.1	1.8	66.0	1.0	1.0	108.7	0.7	1.2	65.7	0.4	1.3
		4.7	2.6		6.6	2.0		10.0	4.5		2.4	2.5
2ZLAYD	34.0	-1.0	0.7	56.3	-0.5	0.6	85.7	-0.9	0.3	57.3	-0.9	0.6
		-4.3	1.0		-3.1	1.2		-13.0	1.2		-6.0	1.2
XD4VUG	39.3	0.2	0.2	62.4	0.5	0.5	98.3	0.0	0.6	62.4	-0.1	0.4
		1.0	0.3		2.9	1.0		-0.3	2.1		-0.9	0.8
9GTK67	43.3	1.1	0.6	65.2	0.9	1.5	108.4	0.7	0.5	59.1	-0.6	0.7
		5.0	0.9		5.8	3.0		9.7	1.8		-4.2	1.4
T8DRYH	28.0	-2.3		48.0	-1.8		86.0	-0.9		54.0	-1.4	0.7
		-10.3	0.0		-11.4	0.0		-12.7	0.0		-9.3	0.0
2RDHVB	38.7	0.1	1.4	64.3	0.8	3.8	108.4	0.7	1.1	63.0	0.0	0.5
		0.4	2.0		4.9	7.6		9.7	4.1		-0.3	1.0



ALP Program - Participant Web Summary Report - Cycle 30

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD			
YNEK8D	35.1	-0.7	0.1	55.3	-0.7	0.5	94.4	-0.3	0.2	58.8	-0.7	0.5
RF99BG	32.5	-3.2	0.1	52.9	-4.2	0.9	88.1	-4.3	0.8	59.5	-4.5	1.0
BX698W	44.1	-1.3	2.8	62.7	-1.0	2.1	100.8	-0.7	0.2	66.1	-0.6	1.1
M938NJ	33.3	-5.8	4.1	47.0	-6.6	4.1	78.5	-10.5	0.9	52.8	-3.9	2.2
Z4BZ87	37.3	1.3	0.1	57.8	0.5	0.3	94.7	0.2	0.5	66.5	0.4	0.9
6TTCZZ	38.5	5.7	0.1	58.4	3.3	0.6	107.0	2.2	1.8	68.5	2.8	1.8
GKM94Q	38.0	-1.1	0.9	57.1	-2.0	0.8	98.3	-1.4	0.7	62.7	-1.6	0.4
ACVHGX	36.1	-5.0	1.3	60.6	-12.4	1.6	101.8	-20.2	2.7	70.4	-10.5	0.7
6UNU32	40.9	-0.2	0.4	66.9	-0.3	0.5	111.3	-0.3	3.6	68.8	0.5	0.8
XJT9V6	38.8	-1.0	0.6	59.4	-1.6	1.1	99.4	-4.0	13.6	64.2	3.2	1.5
UJKXPB	36.0	0.0	1.6	53.3	-0.2	1.2	43.7	0.6	0.3	55.3	0.8	0.5
D84HQR	40.2	0.2	2.3	60.4	-1.0	2.4	99.4	8.3	1.0	68.1	5.2	1.0
9KRXTW	44.2	-0.1	0.1	65.6	-0.4	0.9	110.2	0.0	0.0	75.0	-0.1	0.3
		-0.3	0.2		-2.4	1.7		-0.3	0.1		-0.6	0.5
		-0.5	0.8		0.2	0.6		0.2	0.1		1.1	1.0
		-2.2	1.2		1.2	1.2		3.2	0.4		7.0	2.0
		0.6	0.7		1.2	0.8		0.9	0.5		0.8	0.9
		2.5	1.0		7.5	1.6		12.6	1.9		5.5	1.7
		0.1	0.8		0.0	0.5		0.0	0.5		0.1	1.1
		0.4	1.2		0.0	0.9		0.7	1.8		0.9	2.1
		-0.5			-1.0	0.3		-3.9	0.2		-1.2	0.3
		-2.3	0.0		-6.1	0.6		-55.0	0.6		-8.0	0.6
		0.4	0.2		0.1	0.2		0.0	0.4		0.7	0.8
		1.9	0.2		0.9	0.5		0.7	1.5		4.8	1.7
		1.3	2.0		1.0	0.6		0.8	2.4		1.7	3.2
		5.8	2.9		6.1	1.2		11.5	8.9		11.6	6.4
Grand Median		38.3		59.4			98.7			63.3		
Median Abs Dev		2.3		3.3			7.8			4.2		
Avg Within Lab SD		1.5		2.0			3.7			2.0		
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		

Fe (SubTestCode 222) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	24.4	-2.2	0.4	74.4	-1.7	0.1	1,159.5	0.3	0.9	42.2	-2.6	0.7
		-57.5	2.0		-43.2	1.4		106.1	62.8		-66.5	5.5
2V9A2L	94.8	0.5	0.5	135.9	0.7	0.0	1,416.7	1.1	0.5	135.1	1.0	0.7
		12.9	2.3		18.3	0.6		363.3	35.1		26.4	5.4
9G9ZXE	70.4	-0.4	0.4	117.6	0.0	0.1	971.3	-0.3	0.2	103.2	-0.2	0.2
		-11.5	1.8		0.0	2.5		-82.0	13.6		-5.5	1.9
7LQLUF	108.9	1.0	1.4	145.6	1.1	0.3	1,543.8	1.5	1.5	143.3	1.4	0.8
		27.0	6.3		28.0	7.6		490.5	110.2		34.6	6.2
UJH8JT	84.1	0.1	1.6	190.5	2.8	5.6	1,366.3	1.0	0.9	120.2	0.5	0.6
		2.2	7.2		72.9	132.9		313.0	60.9		11.5	4.2
ETFYA8	104.7	0.9	1.5	143.0	1.0	0.4	1,090.7	0.1	0.7	123.7	0.6	1.1
		22.8	6.7		25.5	8.6		37.3	47.0		15.0	8.1
WPJ78M	66.3	-0.6	0.1	102.5	-0.6	0.0	485.6	-1.7	0.0	111.5	0.1	0.1
		-15.6	0.4		-15.1	0.7		-567.7	0.6		2.8	0.5
NM37AU	81.9	0.0	2.6	111.4	-0.2	0.0	1,121.8	0.2	0.9	126.7	0.7	1.7
		0.0	11.8		-6.1	0.8		68.5	64.0		18.0	13.0
LU92FX	58.7	-0.9	0.7	110.7	-0.3	0.3	340.3	-2.2	0.1	84.0	-1.0	0.3
		-23.2	3.2		-6.9	6.0		-713.0	6.0		-24.7	2.0
PD8M9Q	80.6	0.0	1.9	113.7	-0.2	0.4	1,053.3	0.0	0.5	108.7	0.0	1.0
		-1.3	8.5		-3.9	10.1		0.0	32.1		0.0	7.4
Z3VZNG	81.3	0.0	0.3	110.7	-0.3	0.0	1,013.3	-0.1	0.4	97.7	-0.4	1.1
		-0.6	1.2		-6.9	1.2		-40.0	25.2		-11.0	8.0
KG6H4X	82.1	0.0	1.0	124.3	0.3	0.3	1,105.0	0.2	1.8	110.0	0.1	1.1
		0.2	4.4		6.8	6.1		51.7	126.2		1.3	8.2
KJBZ3T	82.3	0.0	1.3	138.7	0.8	0.2	1,296.7	0.7	1.9	127.0	0.7	1.4
		0.4	5.9		21.1	5.0		243.3	132.0		18.3	10.5
3HG3JC	102.3	0.8	0.3	142.9	1.0	0.1	996.0	-0.2	0.2	122.3	0.5	1.2
		20.4	1.5		25.3	2.8		-57.3	12.9		13.6	8.6
E8KYJY	58.7	-0.9	0.8	111.3	-0.2	0.2	722.3	-1.0	1.5	84.0	-1.0	0.7
		-23.2	3.5		-6.2	4.5		-331.0	106.0		-24.7	5.6
2ZLAYD	56.3	-1.0	1.0	106.0	-0.4	0.2	606.7	-1.4	0.3	82.0	-1.1	1.3
		-25.6	4.7		-11.6	5.3		-446.7	20.8		-26.7	9.5
XD4VUG	81.8	0.0	0.3	128.9	0.4	0.1	1,048.0	0.0	0.4	106.2	-0.1	0.2
		-0.1	1.2		11.3	3.0		-5.4	28.1		-2.4	1.7
9GTK67	116.7	1.4	1.1	148.0	1.2	0.3	1,147.1	0.3	0.4	118.0	0.4	0.8
		34.8	4.9		30.5	8.2		93.8	27.5		9.3	6.2
T8DRYH	56.0	-1.0		88.0	-1.1		1,058.0	0.0		107.0	-0.1	0.8
		-25.9	0.0		-29.6	0.0		4.7	0.0		-1.7	0.0
2RDHVB	91.0	0.4	0.6	138.0	0.8	0.6	1,531.0	1.5	0.8	129.0	0.8	2.4
		9.1	2.6		20.4	13.7		477.7	54.7		20.3	18.1



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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			
YNEK8D	56.4	-1.0	0.1	98.7	-0.7	0.1	1,187.7	0.4	1.7	86.9	-0.9	0.4
		-25.5	0.6		-18.9	2.9		134.4	122.2		-21.8	2.9
RF99BG	50.2	-1.2	0.6	59.9	-2.2	0.2	568.7	-1.5	0.3	60.1	-1.9	0.4
		-31.7	2.8		-57.7	5.1		-484.7	18.9		-48.6	2.7
BX698W	88.2	0.2	0.5	118.2	0.0	0.1	1,014.6	-0.1	1.0	105.7	-0.1	0.9
		6.3	2.5		0.7	2.1		-38.7	73.4		-2.9	7.1
M938NJ	77.6	-0.2	0.8	103.3	-0.6	0.0	883.7	-0.5	1.4	100.1	-0.3	1.1
		-4.3	3.8		-14.2	0.6		-169.7	100.7		-8.6	8.0
Z4BZ87	77.1	-0.2	0.3	113.3	-0.2	0.2	968.7	-0.3	1.5	100.0	-0.3	0.6
		-4.8	1.5		-4.2	4.9		-84.7	106.2		-8.6	4.5
6TTCZZ	94.3	0.5	1.2	140.7	0.9	0.1	1,566.7	1.6	1.5	147.0	1.5	1.1
		12.4	5.7		23.1	3.1		513.3	106.9		38.3	8.2
GKM94Q	84.7	0.1	0.3	123.3	0.2	0.1	1,025.0	-0.1	0.3	117.7	0.4	0.2
		2.8	1.6		5.8	2.1		-28.3	23.9		9.0	1.5
ACVHGX	66.9	-0.6	0.5	115.6	-0.1	0.2	1,071.4	0.1	0.0	99.1	-0.4	0.4
		-15.0	2.2		-1.9	3.7		18.1	1.5		-9.6	3.3
6UNU32	87.1	0.2	0.1	143.3	1.0	0.2	1,279.8	0.7	2.5	133.3	1.0	1.0
		5.2	0.5		25.7	4.5		226.5	176.8		24.6	7.3
XJT9V6	72.2	-0.4	0.3	119.0	0.1	0.4	1,175.3	0.4	0.5	94.0	-0.6	0.3
		-9.7	1.4		1.4	10.6		122.0	32.3		-14.7	2.3
UJKXPB	161.0	3.1	0.7	99.7	-0.7	0.1	462.7	-1.8	0.2	85.3	-0.9	0.5
		79.1	3.0		-17.9	1.5		-590.7	11.0		-23.3	3.8
D84HQR	94.0	0.5	0.2	130.0	0.5	0.1	996.3	-0.2	0.5	116.7	0.3	1.0
		12.1	1.0		12.4	2.6		-57.0	32.7		8.0	7.6
9KRXTW	132.6	2.0	2.3	117.1	0.0	0.3	744.2	-0.9	0.4	120.0	0.4	2.2
		50.7	10.4		-0.5	7.9		-309.1	29.7		11.3	16.8
Grand Median		81.9			117.6			1,053.3			108.7	
Median Abs Dev		12.4			14.2			122.0			13.6	
Avg Within Lab SD		4.6			23.8			71.2			7.5	
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		

Cu (SubTestCode 223) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
P2ZHHY	5.96	0.53	0.08	4.44	0.33	0.17	10.73	0.38	0.14	4.84	-0.25	0.13
		0.62	0.04		0.40	0.09		0.77	0.11		-0.41	0.09
2V9A2L	5.42	0.07	1.15	4.33	0.24	0.96	11.70	0.86	0.00	5.86	0.38	0.72
		0.08	0.56		0.29	0.51		1.74	0.00		0.61	0.49
9G9ZXE	5.40	0.06	1.34	5.00	0.78	1.99	8.20	-0.87	1.17	5.60	0.22	0.97
		0.07	0.66		0.96	1.05		-1.76	0.90		0.35	0.66
7LQLUF	5.58	0.21	0.13	0.42	-2.95	0.03	11.20	0.61	0.08	8.14	1.80	0.36
		0.25	0.06		-3.62	0.02		1.23	0.06		2.89	0.24
UJH8JT	4.03	-1.11	0.34	2.59	-1.18	0.84	8.55	-0.70	0.47	3.50	-1.09	0.32
		-1.30	0.16		-1.45	0.44		-1.42	0.36		-1.75	0.22
ETFYA8	6.17	0.71	0.51	4.70	0.54	0.33	10.57	0.30	0.46	7.43	1.36	0.17
		0.83	0.25		0.66	0.17		0.60	0.35		2.19	0.12
WPJ78M	4.56	-0.66	0.05	3.45	-0.47	0.11	4.40	-2.76	0.02	5.54	0.18	0.03
		-0.77	0.03		-0.58	0.06		-5.56	0.02		0.29	0.02
NM37AU	6.83	1.28	1.85	4.80	0.62	0.50	11.73	0.88	0.49	6.10	0.53	1.03
		1.50	0.91		0.76	0.26		1.77	0.38		0.85	0.70
LU92FX	7.67	1.99	1.18	6.33	1.87		11.33	0.68	0.75	9.00	2.33	1.03
		2.33	0.58		2.30	0.58		1.37	0.58		3.75	0.00
PD8M9Q	4.72	-0.52	1.05	4.37	0.27	0.03	9.21	-0.37	1.14	5.23	-0.01	0.94
		-0.61	0.52		0.33	0.01		-0.76	0.88		-0.02	0.63
Z3VZNG	5.00	-0.28		3.33	-0.57	1.09	9.00	-0.48		5.33	0.05	0.85
		-0.33	0.00		-0.70	0.58		-0.96	0.00		0.09	0.58
KG6H4X	5.73	0.34	2.32	4.04	0.00	1.02	10.43	0.23	2.54	6.28	0.64	3.56
		0.40	1.14		0.00	0.54		0.47	1.96		1.03	2.41
KJBZ3T	4.33	-0.85	1.18	4.00	-0.03		10.67	0.35	0.75	4.00	-0.77	3.56
		-1.00	0.58		-0.04	0.00		0.70	0.58		-1.25	0.00
3HG3JC	6.04	0.61	1.09	5.20	0.94	0.80	9.81	-0.08	0.12	6.06	0.51	0.73
		0.71	0.54		1.16	0.42		-0.15	0.10		0.82	0.50
E8KYJY	5.33	0.00	1.18	4.67	0.51	1.09	11.00	0.51	1.30	6.00	0.47	1.48
		0.00	0.58		0.63	0.58		1.04	1.00		0.75	1.00
2ZLAYD	5.40	0.06	0.54	4.53	0.40	0.11	10.00	0.02		5.80	0.34	0.00
		0.07	0.26		0.50	0.06		0.04	0.00		0.55	0.00
XD4VUG	5.41	0.07	0.34	4.03	0.00	0.47	10.81	0.42	0.18	4.73	-0.32	0.19
		0.08	0.17		-0.01	0.25		0.85	0.14		-0.52	0.13
9GTK67	6.45	0.95	0.80	4.45	0.33	0.87	11.90	0.96	0.20	5.62	0.23	1.35
		1.11	0.39		0.41	0.46		1.94	0.15		0.37	0.91
T8DRYH	2.00	-2.84		1.00	-2.47		7.00	-1.47		3.00	-1.40	1.35
		-3.33	0.00		-3.04	0.00		-2.96	0.00		-2.25	0.00
2RDHVB	4.92	-0.35	0.64	3.12	-0.74	2.61	9.96	0.00	2.24	4.79	-0.29	0.36
		-0.41	0.32		-0.91	1.38		0.00	1.72		-0.46	0.25



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
	Difference W/L STD			Difference W/L STD			Difference W/L STD					
YNEK8D	4.78	-0.47	0.08	3.63	-0.33	0.16	9.59	-0.19	0.14	4.18	-0.66	0.14
RF99BG	4.80	-0.56	0.04	3.75	-0.41	0.08	8.68	-0.38	0.11	3.62	-1.07	0.10
BX698W	6.05	-0.45	0.77	4.15	-0.23	1.08	10.26	-0.63	1.21	4.00	-1.01	0.53
M938NJ	4.71	-0.53	0.38	3.27	-0.28	0.57	8.22	-1.28	0.93	4.12	-1.62	0.36
Z4BZ87	4.68	0.61	0.26	3.54	0.09	0.26	8.50	0.15	0.13	3.60	-0.77	0.17
6TTCZZ	5.11	0.71	0.13	3.60	0.11	0.14	9.90	0.30	0.10	5.25	-1.25	0.12
GKM94Q	6.70	-0.53	0.27	5.67	-0.62	0.20	11.50	-0.86	0.51	5.97	-0.70	0.52
ACVHGX	3.97	-0.62	0.13	4.61	-0.76	0.11	9.96	-1.74	0.39	1.97	-1.12	0.35
6UNU32	5.84	-0.56	0.15	4.73	-0.40	0.14	11.76	-0.72	1.26	5.33	-1.02	0.12
XJT9V6	5.28	-0.66	0.08	3.71	-0.50	0.07	9.78	-1.46	0.97	4.32	-1.65	0.08
UJKXPB	4.67	-0.19	1.04	3.40	-0.36	0.19	4.33	-0.03	0.16	4.27	0.00	0.70
D84HQR	5.30	-0.22	0.51	3.80	-0.44	0.10	9.42	-0.06	0.13	4.56	0.00	0.47
9KRXTW	8.31	1.17	0.74	6.02	1.33	0.79	13.91	0.76	0.57	6.52	0.45	0.23
		1.37	0.36		1.63	0.42		1.54	0.44		0.72	0.15
		-1.16	2.54		0.47	3.38		0.00	2.16		-2.03	2.42
		-1.36	1.25		0.57	1.79		0.00	1.66		-3.27	1.64
		0.43	0.38		0.57	0.62		0.89	0.55		0.05	0.23
		0.51	0.19		0.69	0.33		1.80	0.42		0.08	0.16
		-0.05	0.24		-0.27	0.40		-0.09	0.23		-0.57	0.45
		-0.06	0.12		-0.33	0.21		-0.18	0.18		-0.92	0.31
		-0.57	0.12		-0.52	0.00		-2.79	0.20		-0.61	0.34
		-0.67	0.06		-0.64	0.00		-5.63	0.15		-0.98	0.23
		-0.03	0.15		-0.19	0.04		-0.27	0.12		-0.42	0.27
		-0.03	0.08		-0.24	0.02		-0.54	0.09		-0.68	0.19
		2.54	1.91		1.61	0.25		1.95	2.54		0.79	1.93
		2.97	0.94		1.98	0.13		3.94	1.95		1.27	1.31
Grand Median		5.33		4.04			9.96			5.25		
Median Abs Dev		0.62		0.58			1.04			0.85		
Avg Within Lab SD		0.49		0.53			0.77			0.68		
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		

Mo (SubTestCode 224)	in the Wet Digestion Property Groups												Data units: mg/kg
	SRBSRB1605			SRBSRB1606			SRBSRB1607						
2V9A2L	0.25	0.00	0.42	0.78	-0.52	0.14	3.58	0.12	0.65	0.38	-0.10	0.22	
		0.00	0.02		-0.07	0.01		0.09	0.08		-0.02	0.01	
7LQLUF	0.45	0.88	0.66	1.18	2.29	0.28	4.06	0.78	1.02	0.63	1.24	0.49	
		0.20	0.03		0.32	0.02		0.57	0.13		0.23	0.03	
ETFYA8	0.40	0.67	0.12	0.85	-0.02	0.66	3.51	0.03	0.57	0.47	0.37	0.47	
		0.16	0.01		0.00	0.05		0.02	0.07		0.07	0.03	
LU92FX	0.80	2.37	2.14	0.73	-0.87	0.77	2.80	-0.95	0.81	0.43	0.18	1.03	
		0.55	0.10		-0.12	0.06		-0.69	0.10		0.03	0.06	
Z3VZNG	0.23	-0.06	1.24	0.73	-0.87	0.77	3.17	-0.45	0.47	0.40	0.00	1.78	
		-0.01	0.06		-0.12	0.06		-0.32	0.06		0.00	0.10	
KJBZ3T	1.00	3.23		1.00	1.03		4.00	0.70		1.00	3.18	1.78	
		0.75	0.00		0.14	0.00		0.51	0.00		0.60	0.00	
3HG3JC	2.54	9.85	5.56	1.63	5.53	0.61	2.12	-1.88	1.85	1.47	5.68	2.05	
		2.29	0.26		0.77	0.05		-1.37	0.23		1.07	0.12	
XD4VUG							3.33	-0.21	2.15			2.05	
								-0.16	0.26				
9GTK67	0.23	-0.08	0.14	0.89	0.25	0.36	3.47	-0.03	1.06	0.31	-0.50	0.36	
		-0.02	0.01		0.04	0.03		-0.02	0.13		-0.10	0.02	
2RDHVB	0.26	0.05	0.64	0.80	-0.42	3.25	5.52	2.79	0.49	0.00	-2.12	0.00	
		0.01	0.03		-0.06	0.24		2.03	0.06		-0.40	0.00	
YNEK8D							3.37	-0.17	0.56			0.00	
								-0.12	0.07				
BX698W	0.43	0.76	2.38	1.06	1.45	0.19	3.85	0.49	0.43	0.49	0.47	2.82	
		0.18	0.11		0.20	0.01		0.36	0.05		0.09	0.16	
M938NJ	0.22	-0.11	0.27	0.91	0.36	0.50	3.62	0.18	1.09	0.39	-0.07	0.22	
		-0.03	0.01		0.05	0.04		0.13	0.13		-0.01	0.01	
Z4BZ87	0.19	-0.24	0.12	0.79	-0.45	0.43	3.33	-0.22	2.05	0.33	-0.35	0.10	
		-0.05	0.01		-0.06	0.03		-0.16	0.25		-0.07	0.01	
6TTCZZ	0.21	-0.15	0.12	0.89	0.25	0.23	3.92	0.59	0.71	0.40	0.02	0.10	
		-0.03	0.01		0.03	0.02		0.43	0.09		0.00	0.01	
UJKXPB							1.50	-2.74	0.81			0.10	
								-1.99	0.10				
D84HQR	0.21	-0.17	0.16	0.86	0.00	0.28	3.74	0.35	0.48	0.37	-0.16	0.37	
		-0.04	0.01		0.00	0.02		0.25	0.06		-0.03	0.02	
Grand Median		0.25			0.86			3.49			0.40		
Median Abs Dev		0.04			0.06			0.29			0.07		
Avg Within Lab SD		0.05			0.07			0.12			0.06		
Labs Included		13			13			16			13		
Labs Reporting		13			13			16			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		

P (SubTestCode 225)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	0.26	0.48	0.16	0.39	-0.20	1.49	0.69	-0.36	0.77	0.26	0.03	1.14
		0.02	0.00		-0.01	0.02		-0.02	0.02		0.00	0.01
JMZPA2	0.28	1.00	0.72	0.47	2.26	1.12	0.76	0.87	0.37	0.32	2.27	0.85
		0.05	0.01		0.07	0.01		0.05	0.01		0.07	0.01
ZTQT9G	0.20	-0.62	0.42	0.38	-0.46	0.00	0.65	-0.90	0.21	0.22	-1.18	0.00
		-0.03	0.01		-0.01	0.00		-0.05	0.01		-0.03	0.00
9GTK67	0.20	-0.75	2.02	0.39	-0.06	0.20	0.73	0.36	0.57	0.26	0.16	0.81
		-0.04	0.03		0.00	0.00		0.02	0.02		0.00	0.01
8YU8W7	0.21	-0.48	0.00	0.40	0.06	1.12	0.66	-0.85	1.41	0.24	-0.38	1.29
		-0.02	0.00		0.00	0.01		-0.05	0.04		-0.01	0.02
V3RMFD	0.27	0.72	1.10	0.43	1.00	1.12	0.75	0.70	1.71	0.25	-0.03	1.29
		0.03	0.02		0.03	0.01		0.04	0.05		0.00	0.02
Grand Median		0.23			0.39			0.71			0.25	
Median Abs Dev		0.03			0.01			0.05			0.01	
Avg Within Lab SD		0.01			0.01			0.03			0.01	
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		

K (SubTestCode 226)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	4.39	1.27	1.85	4.12	0.08	2.10	7.74	0.67	0.60	9.51	0.55	1.06
		0.41	0.12		0.02	0.14		0.44	0.20		0.74	0.26
JMZPA2	4.49	1.57	0.15	3.60	-1.86	0.15	7.30	0.00	0.05	9.20	0.32	0.04
		0.51	0.01		-0.50	0.01		0.00	0.02		0.43	0.01
ZTQT9G	3.98	0.00	0.67	4.18	0.31	0.30	7.06	-0.38	0.24	8.24	-0.39	0.21
		0.00	0.04		0.08	0.02		-0.25	0.08		-0.53	0.05
9GTK67	4.03	0.14	1.59	4.10	0.00	0.16	7.52	0.32	0.09	8.77	0.00	0.24
		0.05	0.10		0.00	0.01		0.21	0.03		0.00	0.06
8YU8W7	3.79	-0.58	0.64	3.72	-1.42	0.57	6.42	-1.35	2.53	7.44	-0.98	2.09
		-0.19	0.04		-0.38	0.04		-0.89	0.82		-1.33	0.52
V3RMFD	3.82	-0.50	0.32	3.94	-0.60	1.44	6.73	-0.88	0.32	8.07	-0.51	1.16
		-0.16	0.02		-0.16	0.10		-0.58	0.10		-0.69	0.29
Y26GAB	3.77	-0.66	0.24	4.22	0.46	0.20	8.05	1.13	0.24	11.43	1.97	0.29
		-0.22	0.02		0.12	0.01		0.74	0.08		2.66	0.07
Grand Median		3.98			4.10			7.30			8.77	
Median Abs Dev		0.19			0.12			0.44			0.69	
Avg Within Lab SD		0.07			0.07			0.32			0.25	
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		

Ca (SubTestCode 227)		in the Dry Ash Property Groups									Data units: Percent	
	SRBSRB1605	SRBSRB1606	SRBSRB1607									
WN8QDL	0.41	-0.66 -0.04 1.63	1.50 0.01 1.05	0.31	-1.76 -0.09 0.33	0.88 0.01 0.96	3.43	1.11 0.72 0.15	0.74 0.06 0.18	2.03	0.53 0.19 1.11	1.01 0.06 0.16
JMZPA2	0.55	0.10 -0.27 -0.02	0.01 0.61 0.01	0.41	0.02 0.00 0.00	0.01 0.55 0.01	2.81	0.10 0.00 0.00	0.02 0.31 0.03	2.24	0.41 0.00 0.00	0.01 0.36 0.02
ZTQT9G	0.43	-0.71 -0.04 0.93	0.68 0.01 1.21	0.39	-0.13 -0.01 2.21	0.67 0.01 0.55	2.71	-0.41 -0.26 0.61	0.60 0.05 2.43	1.83	-0.45 -0.17 0.98	0.86 0.06 2.19
9GTK67	0.41	0.06 0.00 0.00	0.01 1.05 0.01	0.50	0.11 0.00 0.00	0.01 2.00 0.02	3.10	0.39 -0.11 -0.07	0.21 0.21 0.02	2.19	0.36 -0.24 -0.09	0.14 0.39 0.03
8YU8W7	0.51	0.52 0.03	0.50 0.00	0.39	0.30 0.01	0.52 0.01	2.64	-2.33 -1.50	0.11 0.01	1.74	-1.42 -0.52	0.39 0.03
Y26GAB	0.48			0.41			1.21			1.31		
Grand Median		0.45		0.39			2.71			1.83		
Median Abs Dev		0.04		0.01			0.26			0.19		
Avg Within Lab SD		0.01		0.01			0.08			0.06		
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		

Mg (SubTestCode 228)	in the Dry Ash Property Groups									Data units: Percent		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	0.39	1.59	0.59	0.18	0.21	0.58	0.65	0.30	0.28	1.10	0.18	0.47
		0.06	0.01		0.00	0.00		0.02	0.01		0.03	0.02
JMZPA2	0.40	1.86	0.45	0.24	3.15	1.26	0.71	1.42	0.71	1.41	1.88	0.28
		0.07	0.01		0.06	0.01		0.08	0.02		0.34	0.01
ZTQT9G	0.32	0.00	0.45	0.18	0.00	0.00	0.62	-0.18	0.27	1.07	0.00	0.16
		0.00	0.01		0.00	0.00		-0.01	0.01		0.00	0.01
9GTK67	0.31	-0.44	2.37	0.17	-0.43	0.33	0.66	0.55	0.78	1.12	0.27	1.04
		-0.02	0.03		-0.01	0.00		0.03	0.02		0.05	0.04
8YU8W7	0.32	-0.17	0.45	0.18	0.17	1.26	0.63	-0.12	2.16	1.05	-0.09	2.36
		-0.01	0.01		0.00	0.01		-0.01	0.05		-0.02	0.09
V3RMFD	0.33	0.08	0.45	0.17	-0.33	1.26	0.63	0.00	0.97	0.99	-0.40	0.16
		0.00	0.01		-0.01	0.01		0.00	0.02		-0.07	0.01
Y26GAB	0.30	-0.58	0.50	0.17	-0.43	1.35	0.51	-2.15	0.33	0.72	-1.90	0.13
		-0.02	0.01		-0.01	0.01		-0.12	0.01		-0.35	0.00
Grand Median		0.32			0.18			0.63			1.07	
Median Abs Dev		0.02			0.01			0.02			0.05	
Avg Within Lab SD		0.01			0.00			0.02			0.04	
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		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	2.202	-0.282	0.499	0.044	0.902	0.451	0.569	-0.421	0.439	0.145	0.063	0.122
		-0.024	0.026		0.019	0.002		-0.054	0.017		0.003	0.001
JMZPA2	2.090	-1.582	0.190	0.040	0.697	2.084	0.540	-0.646	0.000	0.130	-0.323	0.000
		-0.136	0.010		0.014	0.010		-0.082	0.000		-0.013	0.000
ZTQT9G	2.127	-1.155	0.581	0.010	-0.753	0.000	0.573	-0.385	0.151	0.173	0.768	0.671
		-0.099	0.031		-0.016	0.000		-0.049	0.006		0.030	0.006
9GTK67	2.261	0.414	1.082	0.006	-0.946	0.000	0.671	0.385	0.129	0.140	-0.063	0.269
		0.036	0.057		-0.020	0.000		0.049	0.005		-0.003	0.002
8YU8W7	2.250	0.282	1.007	0.033	0.375	1.203	0.797	1.368	2.381	0.250	2.699	2.326
		0.024	0.053		0.008	0.006		0.174	0.091		0.107	0.020
Y26GAB	2.254	0.331	1.786	0.018	-0.375	0.077	0.730	0.842	0.314	0.138	-0.130	0.226
		0.028	0.094		-0.008	0.000		0.107	0.012		-0.005	0.002
Grand Median		2.23			0.026			0.62			0.14	
Median Abs Dev		0.03			0.015			0.07			0.01	
Avg Within Lab SD		0.05			0.005			0.04			0.01	
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		

AI (SubTestCode 230)	in the Dry Ash Property Groups						Data units: mg/kg	
	SRBSRB1605		SRBSRB1606		SRBSRB1607			
9GTK67	64.7	0.8	42.3	0.2	677.3	1.1	64.6	1.0
		4.2		1.4		84.4		9.0
MFPVJN	57.0	1.4	54.0	1.7	685.3	0.9	66.7	0.3
		7.5		12.5		67.0		3.1
8YU8W7	66.5	0.5	53.3	0.2	833.5	1.0	102.4	1.4
		2.7		1.2		81.1		12.2
Grand Median	64.7		53.3		685.3		66.7	
Median Abs Dev								
Avg Within Lab SD	5.2		7.3		77.9		8.9	
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		

B (SubTestCode 231)	in the Dry Ash Property Groups									Data units: mg/kg		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	28.97	0.21	0.36	4.85	0.00	0.25	44.72	-0.48	0.53	29.61	-0.09	0.53
		1.28	0.49		0.00	0.14		-3.61	0.93		-0.39	0.68
JMZPA2	30.33	0.43	0.42	7.33	1.40	1.03	51.00	0.35	0.57	32.00	0.47	0.78
		2.65	0.58		2.48	0.58		2.67	1.00		2.00	1.00
ZTQT9G	29.33	0.27	0.42	6.90	1.15		53.67	0.71	0.33	33.00	0.70	0.78
		1.65	0.58		2.05	0.35		5.33	0.58		3.00	0.00
9GTK67	27.68	0.00	1.01	5.68	0.47	1.00	56.64	1.10	2.18	36.77	1.59	1.82
		0.00	1.40		0.83	0.56		8.31	3.82		6.77	2.34
MFPVJN	17.67	-1.63	2.20	4.33	-0.29	1.03	48.33	0.00	0.33	30.00	0.00	0.78
		-10.02	3.06		-0.52	0.58		0.00	0.58		0.00	1.00
8YU8W7	26.10	-0.26	0.56	4.60	-0.14	1.28	45.57	-0.37	1.48	29.07	-0.22	1.65
		-1.58	0.78		-0.25	0.72		-2.77	2.59		-0.93	2.12
V3RMFD	28.97	0.21	0.37	4.30	-0.31	0.47	51.13	0.37	0.89	32.17	0.51	0.55
		1.28	0.51		-0.55	0.26		2.80	1.57		2.17	0.70
Y26GAB	15.68	-1.96	1.32	3.96	-0.50	1.41	33.04	-2.03	0.00	25.05	-1.16	0.52
		-12.00	1.83		-0.89	0.79		-15.30	0.00		-4.95	0.66
9KRXTW	20.90	-1.11	0.69	8.05	1.80	1.26	43.34	-0.66	0.67	24.36	-1.32	0.94
		-6.78	0.97		3.20	0.71		-5.00	1.18		-5.64	1.21
Grand Median		27.7		4.85			48.3			30.0		
Median Abs Dev		1.6		0.83			3.6			2.2		
Avg Within Lab SD		1.4		0.56			1.8			1.3		
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		

Zn (SubTestCode 232) Data units: mg/kg												
SRBSRB1605				SRBSRB1606				SRBSRB1607				
WN8QDL	16.5	-0.1	0.2	26.1	-1.9	0.7	73.9	-0.4	0.5	26.5	0.0	0.8
		-0.2	0.4		-2.5	0.7		-1.5	1.1		0.0	0.9
JMZPA2	17.3	0.2	0.9	29.0	0.3	0.9	75.3	0.0	0.8	38.3	2.4	0.5
		0.5	1.5		0.4	1.0		-0.1	1.5		11.8	0.6
ZTQT9G	13.7	-1.2	0.3	28.3	-0.2	0.5	71.0	-1.1	0.5	23.3	-0.6	0.5
		-3.1	0.6		-0.2	0.6		-4.4	1.0		-3.2	0.6
9GTK67	11.4	-2.2	0.9	27.2	-1.0	0.5	75.5	0.0	0.6	23.7	-0.6	0.7
		-5.4	1.7		-1.4	0.6		0.1	1.3		-2.8	0.8
8YU8W7	17.0	0.1	2.0	28.8	0.2	1.5	77.8	0.6	1.1	28.6	0.4	1.9
		0.2	3.5		0.2	1.7		2.3	2.1		2.1	2.1
V3RMFD	17.4	0.2	0.6	29.3	0.5	1.3	84.0	2.0	1.8	26.5	0.0	0.9
		0.6	1.1		0.7	1.5		8.6	3.7		0.0	1.0
Y26GAB	108.8	36.7	0.1	156.1	94.0	0.5	185.7	26.2	0.2	140.2	23.1	0.5
		92.0	0.1		127.5	0.5		110.3	0.4		113.7	0.5
Grand Median		16.8		28.6			75.4			26.5		
Median Abs Dev		0.6		0.6			1.9			2.5		
Avg Within Lab SD		1.8		1.1			2.0			1.1		
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		

Mn (SubTestCode 233)	in the Dry Ash Property Groups									Data units: mg/kg		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	47.9	0.8	0.2	58.9	-0.2	1.5	87.3	-1.1	0.6	66.5	-0.3	0.3
		7.1	0.7		-1.4	1.5		-6.9	1.6		-2.9	0.6
JMZPA2	54.0	1.6	0.4	90.3	3.4	0.6	104.7	1.6	0.4	94.3	2.3	0.8
		13.2	1.0		30.0	0.6		10.4	1.2		25.0	1.5
ZTQT9G	37.3	-0.4	0.2	60.3	0.0		89.7	-0.7	0.4	78.0	0.8	0.8
		-3.4	0.6		0.0	1.2		-4.6	1.2		8.7	0.0
9GTK67	40.8	0.0	2.6	60.0	0.0	0.6	94.5	0.0	0.3	62.1	-0.7	0.4
		0.0	7.1		-0.3	0.6		0.2	1.0		-7.2	0.9
8YU8W7	36.1	-0.5	0.1	60.4	0.0	0.9	92.6	-0.3	2.2	71.3	0.2	2.4
		-4.7	0.3		0.1	0.9		-1.7	6.2		2.0	4.7
V3RMFD	41.1	0.0	0.4	60.5	0.0	1.3	101.3	1.1	1.1	69.3	0.0	0.3
		0.3	1.2		0.2	1.2		7.0	3.1		0.0	0.6
Y26GAB	29.5	-1.3	0.0	51.2	-1.1	0.1	94.3	0.0	0.1	63.9	-0.5	0.3
		-11.3	0.1		-9.2	0.1		0.0	0.2		-5.5	0.7
Grand Median		40.8		60.3			94.3			69.3		
Median Abs Dev		4.7		0.3			4.6			5.5		
Avg Within Lab SD		2.8		1.0			2.8			1.9		
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		

Fe (SubTestCode 234)	in the Dry Ash Property Groups									Data units: mg/kg		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	64.7	0.5	1.0	99.9	0.0	1.5	458.6	0.0	0.1	88.1	0.0	0.2
		8.1	2.1		0.0	4.1		0.0	3.9		0.0	1.1
JMZPA2	46.3	-0.7	0.5	172.7	3.2	0.2	359.7	-0.4	0.1	51.3	-1.8	0.3
		-10.3	1.2		72.7	0.6		-98.9	1.5		-36.8	1.5
ZTQT9G	56.7	0.0	0.3	94.3	-0.2	1.1	418.0	-0.1	0.3	84.7	-0.2	0.3
		0.0	0.6		-5.6	3.1		-40.6	9.0		-3.4	1.5
9GTK67	67.2	0.7	2.0	97.2	-0.1	0.6	431.6	-0.1	2.1	82.6	-0.3	1.0
		10.5	4.3		-2.7	1.7		-27.0	63.3		-5.5	6.0
8YU8W7	52.4	-0.3	0.9	101.1	0.1	1.3	557.9	0.4	1.6	101.2	0.7	2.2
		-4.3	2.0		1.2	3.6		99.3	47.1		13.1	13.3
V3RMFD	86.4	1.9	1.0	124.7	1.1	1.2	1,120.0	2.4	0.3	113.7	1.3	0.8
		29.7	2.1		24.7	3.2		661.4	10.0		25.6	5.0
Y26GAB	46.8	-0.6	0.1	99.3	0.0	0.1	831.6	1.4	0.2	99.0	0.5	0.2
		-9.8	0.1		-0.7	0.2		373.0	5.1		10.9	0.9
Grand Median		56.7		99.9			458.6			88.1		
Median Abs Dev		9.8		2.7			98.9			10.9		
Avg Within Lab SD		2.2		2.7			30.4			5.9		
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		

Cu (SubTestCode 235)	in the Dry Ash Property Groups									Data units: mg/kg		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
WN8QDL	5.10	0.00	0.27	2.34	-0.28	0.07	8.77	-0.40	0.43	3.47	-0.75	0.49
		0.00	0.17		-0.66	0.07		-0.87	0.27		-2.03	0.25
JMZPA2	6.00	0.31	1.65	5.67	1.11	0.58	12.00	1.09	1.58	8.00	0.92	1.95
		0.90	1.00		2.67	0.58		2.37	1.00		2.50	1.00
ZTQT9G	2.77	-0.79	0.41	3.00	0.00	0.30	9.27	-0.17	0.09	8.03	0.93	0.23
		-2.33	0.25		0.00	0.30		-0.37	0.06		2.53	0.12
9GTK67	1.68	-1.16	1.52	2.62	-0.16	0.21	10.15	0.24	0.09	4.35	-0.42	0.70
		-3.42	0.92		-0.38	0.21		0.51	0.06		-1.15	0.36
8YU8W7	7.00	0.65	1.29	8.60	2.33	2.54	13.03	1.56	2.01	7.27	0.65	1.19
		1.90	0.78		5.60	2.52		3.40	1.27		1.77	0.61
V3RMFD	5.33	0.08	0.25	3.80	0.33	0.27	9.63	0.00	0.51	5.50	0.00	0.98
		0.24	0.15		0.80	0.26		0.00	0.32		0.00	0.50
Y26GAB	0.00	-1.73	0.00	1.77	-0.51	0.06	6.85	-1.28	0.08	2.65	-1.05	0.18
		-5.10	0.00		-1.23	0.06		-2.78	0.05		-2.85	0.09
Grand Median		5.10		3.00			9.63			5.50		
Median Abs Dev		1.90		0.80			0.87			2.03		
Avg Within Lab SD		0.61		0.99			0.63			0.51		
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		

Mo (SubTestCode 236)	in the Dry Ash Property Groups						Data units: mg/kg
	SRBSRB1605		SRBSRB1606		SRBSRB1607		
9GTK67	0.06	0.23 0.03	0.94	0.94 0.05	3.35	1.44 0.30 0.84	0.26 0.67 0.67
8YU8W7					2.10	0.17 0.46	1.24
9KRXTW	0.93	1.39 0.15	1.82	1.06 0.06	1.72	0.10	0.07
Grand Median		0.49		1.38		2.10	0.30
Median Abs Dev							
Avg Within Lab SD		0.11		0.06		0.21	0.06
Labs Included		2		2		3	2
Labs Reporting		2		2		3	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		

As (SubTestCode 237) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	0.15	1.72	0.07	0.11	0.91	0.00	0.85	0.70	1.86	0.11	-0.51	0.00
ETFYA8	0.06	0.15	0.01	0.10	-0.43	1.39	0.58	-1.24	0.44	0.07	-2.32	1.19
2RDHVB	0.63	11.17	0.42	0.05	-8.91	2.60	1.55	5.73	2.28	1.26	50.10	81.51
M938NJ				0.10	-0.05	0.02	0.70	0.80	0.13	0.12	1.14	0.39
Z4BZ87				0.10	0.25	1.20	0.71	-0.33	0.48	0.12	-0.18	1.21
6TTCZZ	0.02	0.05	0.00	0.11	0.00	0.01	0.92	-0.05	0.03	0.13	0.00	0.01
D84HQR				0.11	-0.25	1.44	0.71	-0.27	1.34	0.12	0.18	1.21
					0.00	0.01		-0.04	0.08		0.00	0.01
					1.29	0.32		1.24	0.52		0.59	0.83
					0.01	0.00		0.17	0.03		0.01	0.00
					0.92	0.68		0.27	0.25		0.28	0.98
					0.01	0.00		0.04	0.01		0.01	0.00
Grand Median	0.057			0.10			0.75			0.12		
Median Abs Dev				0.00			0.07			0.01		
Avg Within Lab SD	0.038			0.01			0.06			0.00		
Labs Included	3			6			6			6		
Labs Reporting	3			6			6			6		



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

Ba (SubTestCode 238)													Data units: mg/kg
SRBSRB1605				SRBSRB1606				SRBSRB1607				in the Heavy Metals Property Groups	
2V9A2L	17.9	0.8	0.6	35.8	0.8	0.4	27.0	0.6	0.2	80.3	0.3	0.4	
		1.5	0.2		2.5	0.5		2.7	0.5		3.0	0.8	
ETFYA8	16.0	-0.2	1.6	31.7	-0.5	0.8	23.9	-0.1	0.3	73.6	-0.3	0.6	
		-0.4	0.6		-1.6	1.0		-0.4	0.8		-3.7	1.1	
XD4VUG	15.0	-0.8	0.4	31.1	-0.7	0.2	21.9	-0.5	0.6	68.1	-0.8	0.4	
		-1.4	0.2		-2.3	0.2		-2.5	1.4		-9.2	0.8	
2RDHVB	14.5	-1.1	0.9	32.0	-0.4	2.5	24.8	0.1	1.5	64.3	-1.2	0.8	
		-1.9	0.4		-1.3	3.1		0.4	3.4		-13.1	1.6	
BX698W	19.2	1.6	0.4	37.5	1.3	0.3	25.9	0.3	0.4	88.1	1.0	0.8	
		2.8	0.1		4.1	0.4		1.6	0.8		10.8	1.6	
M938NJ	16.2	-0.1	2.0	32.1	-0.4	0.6	21.2	-0.7	0.5	70.7	-0.6	0.3	
		-0.2	0.8		-1.2	0.7		-3.2	1.1		-6.6	0.6	
Z4BZ87	16.6	0.1	0.9	34.7	0.4	0.1	26.4	0.4	1.0	85.7	0.7	0.8	
		0.2	0.3		1.4	0.1		2.1	2.2		8.4	1.5	
6TTCZZ	16.6	0.1	0.8	34.6	0.4	1.0	28.8	0.9	2.4	83.4	0.5	0.4	
		0.2	0.3		1.2	1.2		4.5	5.5		6.1	0.8	
UJKXPB	15.0	-0.8	0.3	31.9	-0.5	0.3	10.4	-2.9	0.1	74.3	-0.3	1.5	
		-1.4	0.1		-1.5	0.4		-13.9	0.3		-3.0	3.0	
D84HQR	18.4	1.1	0.5	37.8	1.4	1.1	23.1	-0.3	0.5	88.7	1.0	2.2	
		2.0	0.2		4.4	1.4		-1.3	1.1		11.3	4.3	
Grand Median		16.4		33.3			24.3			77.3			
Median Abs Dev		1.4		1.6			2.3			7.5			
Avg Within Lab SD		0.4		1.2			2.3			2.0			
Labs Included		10		10			10			10			
Labs Reporting		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
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
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	0.587	1.232	0.000	0.086	0.690	0.615	1.323	0.602	1.083	1.365	1.864	0.171
		0.122	0.000		0.016	0.011		0.080	0.056		0.259	0.006
ETFYA8	0.160	-3.083	2.806	0.060	-0.413	0.000	1.020	-1.679	0.698	0.850	-1.850	1.099
		-0.305	0.208		-0.010	0.000		-0.223	0.036		-0.257	0.040
XD4VUG	0.429	-0.367	0.553				1.170	-0.551	0.307	0.988	-0.855	0.306
		-0.036	0.041					-0.073	0.016		-0.119	0.011
2RDHVB	0.511	0.468	0.464	0.016	-2.291	0.832	1.406	1.220	1.363	1.171	0.466	1.982
		0.046	0.034		-0.054	0.015		0.162	0.070		0.065	0.072
BX698W	0.515	0.509	0.675	0.039	-1.290	2.553	1.335	0.690	0.442	1.116	0.070	0.840
		0.050	0.050		-0.030	0.045		0.092	0.023		0.010	0.031
M938NJ	0.465	0.000	0.340	0.070	0.014	0.152	1.227	-0.125	0.296	1.097	-0.072	0.839
		0.000	0.025		0.000	0.003		-0.017	0.015		-0.010	0.031
Z4BZ87	0.462	-0.034	0.149	0.082	0.512	0.588	1.180	-0.476	2.181	1.123	0.120	0.965
		-0.003	0.011		0.012	0.010		-0.063	0.113		0.017	0.035
6TTCZZ	0.462	-0.027	0.039	0.069	-0.014	0.184	1.243	0.000	0.487	0.999	-0.773	0.303
		-0.003	0.003		0.000	0.003		0.000	0.025		-0.107	0.011
D84HQR	0.500	0.350	0.096	0.074	0.171	0.088	1.340	0.727	0.335	1.107	0.000	1.144
		0.035	0.007		0.004	0.002		0.097	0.017		0.000	0.042
Grand Median		0.47			0.070			1.24			1.11	
Median Abs Dev		0.04			0.011			0.08			0.06	
Avg Within Lab SD		0.07			0.017			0.05			0.04	
Labs Included		9			8			9			9	
Labs Reporting		9			8			9			9	



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Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
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		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	0.113	-0.547	0.000	0.025	-0.638	0.337	0.851	2.898	1.691	0.331	0.015	0.397
		-0.020	0.000		-0.022	0.006		0.352	0.086		0.001	0.006
ETFYA8	0.133	0.000	0.222	0.047	0.000	0.629	0.530	0.259	0.523	0.300	-0.554	1.690
		0.000	0.006		0.000	0.012		0.032	0.026		-0.030	0.026
Z3VZNG	0.133	0.000	0.443	0.047	0.000	0.314	0.467	-0.262	0.411	0.270	-1.112	0.639
		0.000	0.012		0.000	0.006		-0.032	0.021		-0.060	0.010
XD4VUG							0.544	0.375	0.961	0.340	0.190	0.711
								0.046	0.049		0.010	0.011
2RDHVB	0.057	-2.029	1.140	0.001	-1.346	0.000	0.431	-0.553	0.815	0.178	-2.816	1.963
		-0.076	0.030		-0.046	0.000		-0.067	0.041		-0.151	0.031
BX698W	0.234	2.676	2.686	0.114	1.981	2.317	0.545	0.386	1.613	0.390	1.117	1.143
		0.100	0.070		0.067	0.043		0.047	0.082		0.060	0.018
M938NJ	0.129	-0.116	0.203	0.060	0.403	0.976	0.467	-0.259	0.820	0.313	-0.312	0.255
		-0.004	0.005		0.014	0.018		-0.032	0.042		-0.017	0.004
Z4BZ87	0.129	-0.116	0.214				0.456	-0.353	0.953	0.329	-0.015	0.111
		-0.004	0.006					-0.043	0.048		-0.001	0.002
6TTCZZ	0.145	0.320	0.327	0.059	0.354	0.269	0.617	0.973	0.870	0.349	0.363	0.543
		0.012	0.009		0.012	0.005		0.118	0.044		0.020	0.009
D84HQR	0.143	0.267	0.222				0.447	-0.427	0.411	0.343	0.252	0.737
		0.010	0.006					-0.052	0.021		0.014	0.012
Grand Median		0.13			0.047			0.50			0.33	
Median Abs Dev		0.01			0.014			0.05			0.02	
Avg Within Lab SD		0.03			0.018			0.05			0.02	
Labs Included		9			7			10			10	
Labs Reporting		9			7			10			10	



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

Ni (SubTestCode 241)	in the Heavy Metals Property Groups									Data units: mg/kg	
	SRBSRB1605			SRBSRB1606			SRBSRB1607				
2V9A2L	0.50	2.07	1.13	0.21	1.91	2.71	1.47	0.31	0.75	-0.45	1.13
		0.15	0.06		0.11		0.57	0.05		-0.05	0.11
ETFYA8	0.38	0.41	0.41	0.30	0.53	2.26	0.30	0.25	0.87	0.65	0.26
		0.03	0.02		0.03		0.12	0.04		0.07	0.03
XD4VUG	0.24	-1.55	0.44			2.15	0.04	0.91	0.70	-0.94	0.36
		-0.11	0.02				0.02	0.14		-0.10	0.03
2RDHVB	0.38	0.32	1.94	0.17	0.18	2.61	1.19	1.63	0.99	1.70	1.68
		0.02	0.10		0.01		0.47	0.25		0.18	0.16
BX698W	1.03	9.27	12.60	6.01	19.54	0.44	-4.34	1.06	0.90	0.87	1.45
		0.67	0.63		1.10		-1.70	0.16		0.09	0.14
M938NJ	0.35	0.00	0.41			1.98	-0.40	1.46	0.78	-0.19	0.42
		0.00	0.02				-0.16	0.22		-0.02	0.04
Z4BZ87	0.35	-0.09	0.98			1.79	-0.90	1.19	0.75	-0.53	0.16
		-0.01	0.05				-0.35	0.18		-0.06	0.02
6TTCZZ	0.33	-0.28	0.70	0.20	0.18	2.56	1.07	0.73	0.88	0.74	1.80
		-0.02	0.04		0.01		0.42	0.11		0.08	0.17
D84HQR						2.12	-0.04	0.51	0.82	0.19	0.48
							-0.02	0.08		0.02	0.05
Grand Median		0.35		0.21			2.14			0.80	
Median Abs Dev		0.02					0.25			0.06	
Avg Within Lab SD		0.05		0.06			0.15			0.10	
Labs Included		7		4			8			8	
Labs Reporting		7		4			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		

Pb (SubTestCode 242) Data units: mg/kg												
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	0.56	-0.46	0.48	5.87	-0.12	0.34	0.64	0.00	0.71	0.18	-1.27	0.36
		-0.23	0.11		-0.26	0.54		0.00	0.11		-0.29	0.06
ETFYA8	1.58	1.57	0.24	6.25	0.06	0.06	0.38	-0.36	0.13	0.50	0.10	0.09
		0.79	0.06		0.12	0.10		-0.26	0.02		0.02	0.02
XD4VUG				6.35	0.10						0.09	
					0.22	0.11						
2RDHVB	1.13	0.68	0.08	5.43	-0.33	0.37	0.91	0.38	0.87	0.34	-0.59	0.79
		0.34	0.02		-0.70	0.59		0.27	0.13		-0.14	0.14
8YU8W7	1.65	1.71	0.91	10.97	2.26	2.52	2.57	2.73	2.35	0.90	1.84	2.10
		0.85	0.21		4.84	3.97		1.93	0.35		0.43	0.36
BX698W	0.61	-0.38	0.90	0.31	-2.72	0.11	2.01	1.94	0.80	0.90	1.85	1.53
		-0.19	0.21		-5.82	0.17		1.37	0.12		0.43	0.26
M938NJ	0.80	0.00	2.16	4.95	-0.55	0.15	0.57	-0.09	0.47	0.47	-0.02	0.28
		0.00	0.51		-1.18	0.23		-0.06	0.07		0.00	0.05
Z4BZ87	0.58	-0.42	0.36	6.44	0.14	0.57	0.50	-0.19	0.40	0.47	0.00	0.83
		-0.21	0.08		0.31	0.90		-0.13	0.06		0.00	0.14
6TTCZZ	0.50	-0.58	0.22	6.13	0.00	0.17	0.75	0.16	1.07	0.53	0.24	0.80
		-0.29	0.05		0.00	0.27		0.11	0.16		0.05	0.14
UJKXPB				5.17	-0.45						0.80	
					-0.96	0.85						
D84HQR	0.93	0.26	1.49	7.61	0.69	1.92	0.47	-0.23	0.17	0.44	-0.16	0.24
		0.13	0.35		1.48	3.03		-0.16	0.03		-0.04	0.04
Grand Median		0.80		6.13			0.64			0.47		
Median Abs Dev		0.23		0.70			0.16			0.05		
Avg Within Lab SD		0.23		1.58			0.15			0.17		
Labs Included		9		11			9			9		
Labs Reporting		9		11			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		

Sr (SubTestCode 243)	in the Heavy Metals Property Groups									Data units: mg/kg		
	SRBSRB1605			SRBSRB1606			SRBSRB1607					
2V9A2L	20.31	0.70	0.00	10.73	1.37	0.00	302.67	0.70	0.20	94.50	0.97	0.30
		1.67	0.00		1.38	0.00		40.11	2.52		12.31	0.62
Z3VZNG	17.26	-0.58	0.39	8.61	-0.74	0.14	247.44	-0.26	0.15	78.91	-0.26	0.96
		-1.38	0.27		-0.74	0.09		-15.11	1.91		-3.28	1.99
XD4VUG	17.08	-0.66	0.30	8.61	-0.74	0.08	238.69	-0.42	0.23	75.90	-0.49	0.65
		-1.56	0.21		-0.74	0.05		-23.87	2.87		-6.29	1.34
2RDHVB	18.64	0.00	1.76	9.16	-0.20	1.94	277.67	0.26	1.62	85.47	0.26	2.04
		0.00	1.22		-0.20	1.21		15.11	20.50		3.28	4.22
BX698W	21.49	1.20	0.38	9.90	0.55	0.24	277.72	0.27	0.18	92.89	0.84	0.08
		2.84	0.27		0.55	0.15		15.17	2.30		10.69	0.17
M938NJ	18.07	-0.24	1.17	8.40	-0.95	0.11	243.33	-0.34	0.37	75.80	-0.50	0.67
		-0.58	0.81		-0.95	0.07		-19.22	4.73		-6.39	1.39
Z4BZ87	16.93	-0.72	0.08	9.35	0.00	2.16	235.33	-0.48	2.49	78.53	-0.29	0.35
		-1.71	0.06		0.00	1.34		-27.22	31.66		-3.66	0.72
6TTCZZ	21.33	1.13	1.92	10.07	0.71	0.61	314.33	0.91	0.73	106.00	1.87	0.48
		2.69	1.33		0.71	0.38		51.78	9.29		23.81	1.00
UJKXPB							116.33	-2.56	0.25	75.00	-0.56	0.84
								-146.22	3.21		-7.19	1.73
D84HQR	20.63	0.84	0.68	10.18	0.83	0.32	293.67	0.55	0.54	91.17	0.70	1.70
		1.99	0.47		0.83	0.20		31.11	6.81		8.97	3.51
Grand Median		18.6			9.35			262.6			82.2	
Median Abs Dev		1.7			0.74			25.5			6.8	
Avg Within Lab SD		0.7			0.62			12.7			2.1	
Labs Included		9			9			10			10	
Labs Reporting		9			9			10			10	



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

PH (SubTestCode 301)	Data units:								
	SRWSRW1604			SRWSRW1605			SRWSRW1606		
2V9A2L	7.61	0.00	0.00	7.93	-0.77	0.00	7.80	-0.80	0.00
		0.00	0.00		-0.15	0.00		-0.20	0.00
ETFYA8	7.71	0.30	0.69	8.11	0.18	0.53	8.01	0.03	1.35
		0.10	0.04		0.03	0.02		0.01	0.03
NM37AU	7.85	0.73	1.28	8.17	0.49	1.37	8.11	0.44	1.93
		0.24	0.07		0.09	0.05		0.11	0.05
KG6H4X	7.99	1.13	0.11	8.13	0.30	0.31	8.05	0.21	0.49
		0.38	0.01		0.06	0.01		0.05	0.01
ZTQT9G	7.45	-0.49	0.87	7.89	-0.96	0.76	7.69	-1.24	0.73
		-0.16	0.05		-0.18	0.03		-0.31	0.02
KJBZ3T	7.79	0.55	1.98	8.09	0.09	0.76	8.05	0.21	1.70
		0.18	0.10		0.02	0.03		0.05	0.04
E8KYJY	7.47	-0.43	0.48	8.08	0.00	1.46	7.92	-0.32	0.84
		-0.14	0.03		0.00	0.06		-0.08	0.02
MFPVJN	7.49	-0.37	0.40	7.93	-0.79	0.67	7.75	-1.01	0.64
		-0.12	0.02		-0.15	0.03		-0.25	0.02
YNEK8D	8.16	1.65	2.22	8.31	1.24	1.99	8.51	2.03	1.83
		0.55	0.12		0.24	0.08		0.51	0.04
BX698W	7.83	0.65	1.56	8.14	0.35	2.14	8.03	0.11	0.88
		0.22	0.08		0.07	0.08		0.03	0.02
Y26GAB	7.55	-0.19	0.29	7.79	-1.49	0.40	7.67	-1.30	0.64
		-0.06	0.02		-0.28	0.02		-0.33	0.02
ACVHGX	8.42	2.44	0.59	8.09	0.05	0.55	8.14	0.57	0.24
		0.81	0.03		0.01	0.02		0.14	0.01
6UNU32	7.53	-0.24		7.87	-1.09		7.74	-1.04	
		-0.08	0.00		-0.21	0.00		-0.26	0.00
D79YPQ	7.53	-0.24	0.00	7.84	-1.23	0.15	7.80	-0.81	0.24
		-0.08	0.00		-0.23	0.01		-0.20	0.01
XJT9V6	7.38	-0.69		7.87	-1.09		8.00	0.00	
		-0.23	0.00		-0.21	0.00		0.00	0.00
Grand Median		7.61		8.08			8.00		
Median Abs Dev		0.16		0.15			0.14		
Avg Within Lab SD		0.05		0.04			0.02		
Labs Included		15		15			15		
Labs Reporting		15		15			15		



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

EC (SubTestCode 302) Data units: dS/m									
	SRWSRW1604			SRWSRW1605			SRWSRW1606		
2V9A2L	0.25	-0.15	0.28	0.81	-0.02	0.00	0.52	-0.14	0.00
		0.00	0.00		0.00	0.00		-0.01	0.00
ETFYA8	0.24	-0.45	0.92	0.78	-0.51	0.25	0.51	-0.31	0.18
		-0.01	0.00		-0.03	0.00		-0.01	0.00
NM37AU	0.25	0.00	3.29	0.79	-0.23	2.87	0.52	-0.12	2.98
		0.00	0.01		-0.02	0.03		-0.01	0.02
KG6H4X	0.25	-0.08	0.59	0.81	0.00	0.40	0.52	0.00	0.52
		0.00	0.00		0.00	0.00		0.00	0.00
ZTQT9G	0.25	-0.15		0.81	-0.03	1.15	0.52	-0.05	1.29
		0.00	0.00		0.00	0.01		0.00	0.01
KJBZ3T	0.30	2.16	0.00	0.94	1.96	0.57	0.62	2.03	1.49
		0.05	0.00		0.13	0.01		0.09	0.01
E8KYJY	0.24	-0.46	1.64	0.71	-1.56	2.07	0.48	-0.91	1.29
		-0.01	0.01		-0.10	0.02		-0.04	0.01
MFPVJN	0.26	0.31	0.00	0.83	0.33	0.00	0.54	0.38	0.00
		0.01	0.00		0.02	0.00		0.02	0.00
YNEK8D	0.29	1.74	0.30	0.94	2.08	0.72	0.61	1.87	0.52
		0.04	0.00		0.14	0.01		0.09	0.00
BX698W	0.26	0.12	0.00	0.82	0.17	0.25	0.53	0.19	0.20
		0.00	0.00		0.01	0.00		0.01	0.00
Y26GAB	0.22	-1.60	0.33	0.68	-2.03	0.06	0.45	-1.66	0.07
		-0.03	0.00		-0.13	0.00		-0.08	0.00
ACVHGX	0.25	-0.15		0.82	0.18	0.00	0.53	0.16	0.00
		0.00	0.00		0.01	0.00		0.01	0.00
6UNU32	0.26	0.31		0.85	0.61		0.57	0.96	
		0.01	0.00		0.04	0.00		0.04	0.00
D79YPQ	0.26	0.12	0.00	0.80	-0.19	0.00	0.52	-0.11	0.00
		0.00	0.00		-0.01	0.00		-0.01	0.00
XJT9V6	0.30	2.30		0.82	0.22		0.58	1.22	
		0.05	0.00		0.01	0.00		0.06	0.00
Grand Median		0.25		0.81			0.52		
Median Abs Dev		0.01		0.02			0.01		
Avg Within Lab SD		0.00		0.01			0.01		
Labs Included		15		15			15		
Labs Reporting		15		15			15		



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

Ca (SubTestCode 303) Data units: mmol/L									
	SRWSRW1604			SRWSRW1605			SRWSRW1606		
2V9A2L	1.36	-0.02	0.28	6.03	0.00	0.23	3.68	0.00	0.23
		0.00	0.01		0.00	0.03		0.00	0.02
ETFYA8	1.51	0.44	0.54	6.43	0.30	0.17	4.00	0.38	0.91
		0.14	0.01		0.39	0.03		0.33	0.10
NM37AU	1.27	-0.27	1.82	5.46	-0.44	2.23	3.23	-0.52	2.56
		-0.09	0.05		-0.57	0.33		-0.45	0.27
KG6H4X	1.52	0.50	1.16	6.17	0.11	1.38	3.96	0.33	0.58
		0.16	0.03		0.14	0.21		0.29	0.06
ZTQT9G	1.27	-0.30	2.08	5.53	-0.39	0.39	3.37	-0.36	2.20
		-0.10	0.06		-0.50	0.06		-0.31	0.23
KJBZ3T	1.53	0.51	0.81	6.74	0.54	0.12	4.07	0.45	1.25
		0.17	0.02		0.70	0.02		0.39	0.13
E8KYJY	1.40	0.12	0.00	6.19	0.12	0.24	3.79	0.13	0.10
		0.04	0.00		0.16	0.04		0.11	0.01
MFPVJN	0.69	-2.09	0.04	2.83	-2.47	0.08	1.82	-2.16	0.09
		-0.68	0.00		-3.20	0.01		-1.86	0.01
YNEK8D	0.96	-1.25	0.05	4.10	-1.49	0.07	2.49	-1.38	0.36
		-0.41	0.00		-1.93	0.01		-1.18	0.04
BX698W	0.69	-2.08	0.09	2.97	-2.37	0.06	1.83	-2.15	0.03
		-0.67	0.00		-3.06	0.01		-1.84	0.00
Y26GAB	1.42	0.18	0.17	6.12	0.07	0.93	3.36	-0.37	0.23
		0.06	0.00		0.09	0.14		-0.31	0.02
ACVHGX	1.45	0.27	1.08	6.15	0.09	2.55	3.84	0.19	0.59
		0.09	0.03		0.11	0.38		0.16	0.06
6UNU32	1.36	0.00	0.62	5.98	-0.04	0.63	3.72	0.05	0.34
		0.00	0.02		-0.05	0.09		0.04	0.04
D79YPQ	0.73	-1.95	1.85	3.93	-1.63	0.09	2.39	-1.51	0.37
		-0.63	0.05		-2.11	0.01		-1.29	0.04
XJT9V6	1.41	0.15		6.11	0.06		3.80	0.14	
		0.05	0.00		0.08	0.00		0.12	0.00
Grand Median		1.36		6.03			3.68		
Median Abs Dev		0.10		0.39			0.31		
Avg Within Lab SD		0.03		0.15			0.11		
Labs Included		15		15			15		
Labs Reporting		15		15			15		



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

Mg (SubTestCode 304)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	0.54	-0.12	0.00	2.27	-0.22	0.51	1.09	-0.14	0.65	
		-0.02	0.00		-0.15	0.03		-0.05	0.02	
ETFYA8	0.61	0.31	0.42	2.42	0.00	0.09	1.22	0.23	0.26	
		0.05	0.01		0.00	0.00		0.08	0.01	
NM37AU	0.50	-0.33	2.85	2.18	-0.37	1.90	0.99	-0.40	2.25	
		-0.06	0.08		-0.24	0.10		-0.14	0.08	
KG6H4X	0.58	0.15	0.94	2.55	0.19	2.19	1.22	0.23	2.03	
		0.03	0.02		0.13	0.11		0.08	0.07	
ZTQT9G	0.53	-0.16	2.19	2.33	-0.13	2.24	1.07	-0.19	1.67	
		-0.03	0.06		-0.09	0.12		-0.07	0.06	
KJBZ3T	0.62	0.34	0.76	2.67	0.37	0.55	1.28	0.39	1.37	
		0.06	0.02		0.25	0.03		0.14	0.05	
E8KYJY	0.70	0.82	0.58	2.82	0.59	0.22	1.36	0.61	0.29	
		0.14	0.02		0.40	0.01		0.22	0.01	
MFPVJN	0.27	-1.72	0.04	1.16	-1.88	0.25	0.55	-1.61	0.09	
		-0.29	0.00		-1.26	0.01		-0.58	0.00	
YNEK8D	0.30	-1.56	0.02	1.32	-1.65	0.06	0.62	-1.43	0.03	
		-0.26	0.00		-1.11	0.00		-0.52	0.00	
BX698W	0.28	-1.68	0.03	1.22	-1.79	0.05	0.58	-1.52	0.03	
		-0.28	0.00		-1.20	0.00		-0.55	0.00	
Y26GAB	0.56	0.02	0.11	2.52	0.15	0.19	1.14	0.00	0.53	
		0.00	0.00		0.10	0.01		0.00	0.02	
ACVHGX	0.60	0.26	0.22	2.63	0.31	0.78	1.22	0.24	0.44	
		0.04	0.01		0.21	0.04		0.09	0.02	
6UNU32	0.56	0.00	0.26	2.47	0.07	0.46	1.19	0.15	0.24	
		0.00	0.01		0.05	0.02		0.05	0.01	
D79YPQ	0.12	-2.64	0.07	0.88	-2.31	0.11	0.41	-2.01	0.21	
		-0.44	0.00		-1.55	0.01		-0.73	0.01	
XJT9V6	0.56	0.00	0.00	2.47	0.07	0.00	1.49	0.97	0.00	
		0.00	0.00		0.05	0.00		0.35	0.00	
Grand Median		0.56			2.42			1.14		
Median Abs Dev		0.05			0.21			0.14		
Avg Within Lab SD		0.03			0.05			0.03		
Labs Included		15			15			15		
Labs Reporting		15			15			15		



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

Na (SubTestCode 305)	in the Cations Property Groups									Data units: mmolc/L
	SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	0.77	0.30	0.15	0.37	0.06	0.05	0.76	-0.03	0.17	
		0.02	0.01		0.00	0.00		0.00	0.01	
ETFYA8	0.75	-0.15	0.36	0.35	-0.76	0.41	0.72	-0.73	0.66	
		-0.01	0.02		-0.02	0.01		-0.05	0.03	
NM37AU	0.69	-1.04	2.27	0.33	-1.37	1.55	0.62	-2.22	0.22	
		-0.06	0.10		-0.04	0.04		-0.14	0.01	
KG6H4X	0.54	-3.67	2.82	0.31	-1.88	2.51	0.61	-2.32	3.37	
		-0.22	0.13		-0.06	0.07		-0.15	0.15	
ZTQT9G	0.80	0.76	0.00	0.37	-0.06	2.15	0.77	0.03	1.30	
		0.05	0.00		0.00	0.06		0.00	0.06	
KJBZ3T	0.77	0.24	0.29	0.41	1.43	0.24	0.79	0.43	0.44	
		0.01	0.01		0.04	0.01		0.03	0.02	
E8KYJY	0.76	0.03	0.13	0.38	0.27	0.21	0.78	0.29	0.13	
		0.00	0.01		0.01	0.01		0.02	0.01	
MFPVJN	0.70	-0.97	0.02	0.35	-0.60	0.01	0.72	-0.62	0.05	
		-0.06	0.00		-0.02	0.00		-0.04	0.00	
YNEK8D	1.66	15.29	0.07	0.43	1.96	0.00	1.15	5.87	0.19	
		0.90	0.00		0.06	0.00		0.38	0.01	
BX698W	0.77	0.23	0.34	0.39	0.72	0.09	0.80	0.55	0.17	
		0.01	0.02		0.02	0.00		0.04	0.01	
Y26GAB	0.77	0.22	0.63	0.38	0.26	0.12	0.79	0.39	0.26	
		0.01	0.03		0.01	0.00		0.03	0.01	
ACVHGX	0.75	-0.03	0.26	0.38	0.49	0.57	0.75	-0.17	0.26	
		0.00	0.01		0.01	0.02		-0.01	0.01	
6UNU32	0.74	-0.22	0.22	0.36	-0.23	0.10	0.77	0.07	0.09	
		-0.01	0.01		-0.01	0.00		0.00	0.00	
D79YPQ	0.68	-1.33	0.10	0.35	-0.61	0.23	0.69	-1.20	0.18	
		-0.08	0.00		-0.02	0.01		-0.08	0.01	
XJT9V6	0.77	0.25		0.39	0.71		0.79	0.39		
		0.02	0.00		0.02	0.00		0.03	0.00	
Grand Median		0.76			0.37			0.76		
Median Abs Dev		0.01			0.02			0.03		
Avg Within Lab SD		0.05			0.03			0.04		
Labs Included		14			14			14		
Labs Reporting		14			14			14		



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

K (SubTestCode 306) Data units: mmolc/L									
SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	0.147	0.032	0.339	0.030	-0.354	0.269	0.233	-0.007	0.722
		0.000	0.002		-0.002	0.001		0.000	0.004
ETFYA8	0.141	-0.440	1.465	0.028	-0.748	0.398	0.145	-2.671	0.766
		-0.005	0.007		-0.005	0.001		-0.088	0.004
NM37AU	0.140	-0.526	2.221	0.040	1.161	0.000	0.197	-1.120	2.319
		-0.006	0.010		0.007	0.000		-0.037	0.012
KJBZ3T	0.173	2.235	0.801	0.046	2.161	1.884	0.274	1.224	1.221
		0.027	0.004		0.014	0.007		0.040	0.006
E8KYJY	0.157	0.869	1.283	0.033	0.109	1.634	0.240	0.194	0.000
		0.010	0.006		0.001	0.006		0.006	0.000
MFPVJN	0.144	-0.208	0.051	0.032	-0.103	0.008	0.227	-0.186	0.096
		-0.002	0.000		-0.001	0.000		-0.006	0.000
YNEK8D	0.215	5.710	0.060	0.050	2.791	0.050	0.360	3.843	0.060
		0.068	0.000		0.018	0.000		0.127	0.000
BX698W	0.154	0.629	0.664	0.033	0.103	0.060	0.246	0.362	0.537
		0.008	0.003		0.001	0.000		0.012	0.003
Y26GAB	0.122	-2.044	0.300	0.025	-1.137	0.227	0.179	-1.648	1.248
		-0.024	0.001		-0.007	0.001		-0.054	0.006
ACVHGX	0.147	0.032	1.283	0.026	-0.996	2.305	0.227	-0.210	1.159
		0.000	0.006		-0.006	0.008		-0.007	0.006
6UNU32	0.145	-0.066	0.423	0.029	-0.531	0.393	0.237	0.088	0.416
		-0.001	0.002		-0.003	0.001		0.003	0.002
D79YPQ	0.146	-0.032	0.400	0.035	0.319	0.163	0.234	0.007	0.809
		0.000	0.002		0.002	0.001		0.000	0.004
XJT9V6	0.158	0.980		0.035	0.372		0.246	0.376	
		0.012	0.000		0.002	0.000		0.012	0.000
Grand Median		0.15			0.033			0.23	
Median Abs Dev		0.01			0.003			0.01	
Avg Within Lab SD		0.00			0.004			0.00	
Labs Included		12			12			12	
Labs Reporting		12			12			12	



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

NH4-N (SubTestCode 307)		in the Cations Property Groups						Data units: mmolc/L
	SRWSRW1604		SRWSRW1605		SRWSRW1606			
2V9A2L	0.017	0.215			0.008	0.107		
		0.001				0.002		
ETFYA8	0.002	0.276	0.001	0.099	0.001	0.008		
		0.001		0.000		0.000		
KJBZ3T	0.088	1.969	0.098	1.729	0.114	1.997		
		0.005		0.005		0.039		
6UNU32	0.020	0.000	0.013	0.000	0.005	0.000		
Grand Median		0.018		0.013		0.006		
Median Abs Dev								
Avg Within Lab SD		0.003		0.003		0.019		
Labs Included		4		3		4		
Labs Reporting		4		3		4		



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

Sum Cations (SubTestCode 308)	in the Cations Property Groups									Data units: mmolc/L
	SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	2.83	-0.38	0.38	8.71	-0.28	1.33	5.77	-0.30	0.22	
		-0.17	0.01		-0.51	0.04		-0.32	0.02	
ETFYA8	3.01	0.00	0.31	9.22	0.00	0.90	6.09	0.00	0.60	
		0.00	0.01		0.00	0.03		0.00	0.07	
KJBZ3T	3.18	0.37	2.12	9.96	0.40	1.19	6.53	0.41	2.14	
		0.17	0.04		0.74	0.04		0.44	0.23	
E8KYJY	3.01	0.01	0.48	9.42	0.10	0.66	6.17	0.08	0.14	
		0.00	0.01		0.19	0.02		0.08	0.02	
MFPVJN	1.80	-2.62	0.11	4.37	-2.60	0.76	3.33	-2.58	0.13	
		-1.21	0.00		-4.85	0.02		-2.76	0.01	
Grand Median		3.01		9.22			6.09			
Median Abs Dev		0.17		0.51			0.32			
Avg Within Lab SD		0.02		0.03			0.11			
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:
	SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	0.79	0.00	0.29	0.18	0.00	0.00	0.49	0.00	1.50	
		0.00	0.01		0.00	0.00		0.00	0.01	
ZTQT9G	0.83	0.88	2.18	0.20	1.57	0.00	0.50	0.54		
		0.04	0.06		0.02	0.00		0.01	0.00	
E8KYJY	0.74	-1.17	0.38	0.18	-0.17	0.00	0.49	-0.36	0.00	
		-0.05	0.01		0.00	0.00		0.00	0.00	
YNEK8D	1.66	18.98	0.13	0.43	21.50	0.06	1.15	58.50	2.52	
		0.86	0.00		0.25	0.00		0.65	0.01	
ACVHGX	0.74	-1.18	0.17	0.18	-0.06	2.24	0.47	-1.94	1.66	
		-0.05	0.00		0.00	0.01		-0.02	0.01	
XJT9V6	0.80	0.15		0.20	1.57		0.50	0.54		
		0.01	0.00		0.02	0.00		0.01	0.00	
Grand Median		0.79			0.18			0.49		
Median Abs Dev		0.04			0.00			0.01		
Avg Within Lab SD		0.03			0.00			0.00		
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		

Adj-SAR (SubTestCode 310)	in the Cations Property Groups						Data units:
	SRWSRW1604		SRWSRW1605		SRWSRW1606		
ZTQT9G	0.87	1.00 0.06	0.27	1.00 0.06	0.67	1.00 0.06	
Grand Median		0.87		0.27		0.67	
Median Abs Dev							
Avg Within Lab SD		0.06		0.06		0.06	
Labs Included		1		1		1	
Labs Reporting		1		1		1	



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

HCO3 (SubTestCode 311)										Data units: mmol/L
SRWSRW1604			SRWSRW1605			SRWSRW1606				
2V9A2L	2.42	-0.24	0.00	5.43	-0.39	0.00	5.10	-0.13	0.00	
		-0.03	0.00		-0.08	0.00		-0.03	0.00	
ETFYA8	2.76	2.33	1.46	5.86	1.80	0.19	5.74	2.53	0.44	
		0.31	0.04		0.35	0.02		0.61	0.06	
NM37AU	2.44	-0.11	0.20	5.44	-0.34	0.47	5.09	-0.18	0.04	
		-0.02	0.01		-0.07	0.05		-0.04	0.01	
ZTQT9G	2.40	-0.39	0.00	5.73	1.16	2.37	4.93	-0.82	1.62	
		-0.05	0.00		0.23	0.23		-0.20	0.23	
KJBZ3T	2.33	-0.90	0.54	5.34	-0.85	0.35	4.97	-0.68	0.35	
		-0.12	0.02		-0.17	0.03		-0.16	0.05	
E8KYJY	2.60	1.12	0.00	5.60	0.48	0.00	5.30	0.70	0.00	
		0.15	0.00		0.09	0.00		0.17	0.00	
MFPVJN	2.47	0.11	2.35	5.47	-0.19	1.42	5.19	0.23	2.25	
		0.02	0.07		-0.04	0.14		0.06	0.32	
6UNU32	2.48	0.19	0.00	5.54	0.19	0.00	5.16	0.13	0.00	
		0.03	0.00		0.04	0.00		0.03	0.00	
XJT9V6	6.05	27.23	0.00	13.65	41.75	0.00	12.60	30.92	0.00	
		3.60	0.00		8.14	0.00		7.47	0.00	
Grand Median		2.45		5.51			5.13			
Median Abs Dev		0.04		0.09			0.11			
Avg Within Lab SD		0.03		0.10			0.14			
Labs Included		8		8			8			
Labs Reporting		8		8			8			



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

CI (SubTestCode 313)	in the Anions Property Groups									Data units: mmol/L
	SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	0.11	-0.16	0.00	0.92	0.38	0.00	0.17	0.05	0.00	
		-0.02	0.00		0.09	0.00		0.00	0.00	
ETFYA8	0.11	-0.22	0.16	0.83	0.02	0.11	0.10	-0.55	0.07	
		-0.02	0.00		0.00	0.00		-0.06	0.00	
NM37AU	0.20	0.64	2.36	0.74	-0.39	2.24	0.20	0.30	0.63	
		0.07	0.04		-0.09	0.06		0.03	0.02	
KG6H4X	0.23	0.96	2.51	0.74	-0.36	0.34	0.19	0.24	0.02	
		0.10	0.04		-0.08	0.01		0.03	0.00	
ZTQT9G	0.10	-0.32	0.89	0.88	0.21	2.55	0.18	0.12	3.54	
		-0.03	0.02		0.05	0.07		0.01	0.09	
KJBZ3T	0.12	-0.07	0.27	0.85	0.08	0.27	0.11	-0.48	0.05	
		-0.01	0.00		0.02	0.01		-0.05	0.00	
E8KYJY	0.13	0.00	0.00	0.81	-0.07	1.01	0.12	-0.41	0.00	
		0.00	0.00		-0.02	0.03		-0.04	0.00	
MFPVJN	0.14	0.08	0.21	0.92	0.38	0.22	0.16	0.00	0.13	
		0.01	0.00		0.09	0.01		0.00	0.00	
YNEK8D	0.71	5.55	1.98	0.02	-3.43	0.35	0.83	6.19	0.63	
		0.58	0.03		-0.80	0.01		0.66	0.02	
BX698W	0.09	-0.34	0.42	0.83	0.00	0.39	0.10	-0.56	0.13	
		-0.04	0.01		0.00	0.01		-0.06	0.00	
Y26GAB	0.06	-0.63	0.00	1.69	3.69	0.00	0.06	-0.93	0.00	
		-0.07	0.00		0.86	0.00		-0.10	0.00	
ACVHGX	0.14	0.08	0.21	0.89	0.25	0.18	0.11	-0.54	0.13	
		0.01	0.00		0.06	0.00		-0.06	0.00	
6UNU32	0.29	1.52		0.45	-1.63		0.29	1.16		
		0.16	0.00		-0.38	0.00		0.12	0.00	
XJT9V6	0.52	3.75		0.52	-1.31		0.53	3.41		
		0.39	0.00		-0.31	0.00		0.37	0.00	
Grand Median		0.13			0.83			0.16		
Median Abs Dev		0.03			0.08			0.05		
Avg Within Lab SD		0.02			0.03			0.02		
Labs Included		13			13			13		
Labs Reporting		13			13			13		



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

NO3 (SubTestCode 314)			in the Anions Property Groups						Data units: mmol/L
SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	0.01	-0.08 0.07	1.26	-0.21 0.68	0.09	0.23 0.07			
		0.00 0.00		-0.10 0.01		0.01 0.00			
ETFYA8	0.01	-0.23 0.09	1.44	0.18 0.35	0.07	-0.42 0.51			
		-0.01 0.00		0.08 0.01		-0.02 0.00			
NM37AU	0.08	1.39 3.64	1.23	-0.27 1.05	0.11	0.70 3.22			
		0.06 0.03		-0.13 0.02		0.03 0.03			
KG6H4X	0.00	-0.37 0.07	0.20	-2.47 0.77	0.02	-1.62 0.20			
		-0.02 0.00		-1.16 0.02		-0.07 0.00			
ZTQT9G	0.01	-0.16 0.00	0.99	-0.78 2.11	0.08	-0.18 0.74			
		-0.01 0.00		-0.37 0.04		-0.01 0.01			
KJBZ3T	0.01	-0.07 0.00	1.44	0.17 0.54	0.08	-0.01 0.52			
		0.00 0.00		0.08 0.01		0.00 0.00			
E8KYJY	0.02	0.07 0.00	1.43	0.16 2.50	0.09	0.22 1.48			
		0.00 0.00		0.07 0.05		0.01 0.01			
MFPVJN			0.13	-2.62 0.41	0.09	0.23 0.62			
				-1.23 0.01		0.01 0.00			
YNEK8D	0.05	0.77 0.81	1.39	0.06 0.63	0.10	0.38 0.91			
		0.03 0.01		0.03 0.01		0.02 0.01			
BX698W	0.01	-0.19 0.03	1.36	0.00 0.36	0.08	0.00 0.32			
		-0.01 0.00		0.00 0.01		0.00 0.00			
Y26GAB	0.03	0.33 0.00	1.40	0.09 0.00	0.08	-0.13 0.09			
		0.01 0.00		0.04 0.00		-0.01 0.00			
LWH7TL	0.30	6.60 9.27	19.10	37.87 28.20	1.68	38.26 19.36			
		0.28 0.08		17.74 0.56		1.60 0.15			
ACVHGX	0.08	1.48 0.07	1.18	-0.38 0.51	0.00	-1.92 0.15			
		0.06 0.00		-0.18 0.01		-0.08 0.00			
6UNU32	0.14	2.91	1.39	0.06	0.18	2.30			
		0.12 0.00		0.03 0.00		0.10 0.00			
D79YPQ	0.07	1.12 0.28	1.43	0.15 0.88	0.09	0.07 0.09			
		0.05 0.00		0.07 0.02		0.00 0.00			
XJT9V6	0.01	-0.28	0.18	-2.51	0.01	-1.70			
		-0.01 0.00		-1.18 0.00		-0.07 0.00			
Grand Median		0.017		1.36		0.084			
Median Abs Dev		0.013		0.08		0.010			
Avg Within Lab SD		0.009		0.02		0.008			
Labs Included		14		15		15			
Labs Reporting		14		15		15			



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

SO4 (SubTestCode 315) Data units: mmol/L									
	SRWSRW1604			SRWSRW1605			SRWSRW1606		
2V9A2L	0.07	-0.02	0.00	1.05	0.24	0.09	0.47	0.14	0.08
		0.00	0.00		0.05	0.00		0.02	0.00
ETFYA8	0.08	0.26	0.17	1.00	0.00	0.27	0.45	0.00	0.18
		0.01	0.00		0.00	0.01		0.00	0.00
NM37AU	0.17	2.65	3.12	1.14	0.64	2.91	0.55	0.94	2.84
		0.10	0.07		0.14	0.12		0.10	0.07
KG6H4X	0.15	2.16	0.41	1.02	0.09	1.41	0.45	0.05	1.57
		0.08	0.01		0.02	0.06		0.01	0.04
ZTQT9G	0.06	-0.29	0.27	0.97	-0.12	0.25	0.43	-0.20	0.23
		-0.01	0.01		-0.03	0.01		-0.02	0.01
KJBZ3T	0.07	0.02	0.03	1.06	0.29	0.50	0.48	0.23	0.32
		0.00	0.00		0.06	0.02		0.03	0.01
E8KYJY				0.98	-0.06	0.29	0.41	-0.38	0.47
					-0.01	0.01		-0.04	0.01
MFPVJN	0.03	-1.01	0.02	0.48	-2.32	0.05	0.21	-2.13	0.03
		-0.04	0.00		-0.52	0.00		-0.24	0.00
6UNU32	0.06	-0.19	0.04	0.95	-0.21	0.20	0.42	-0.26	0.19
		-0.01	0.00		-0.05	0.01		-0.03	0.00
D79YPQ	0.07	-0.07	0.08	0.42	-2.56	0.04	0.19	-2.32	0.16
		0.00	0.00		-0.57	0.00		-0.26	0.00
XJT9V6	0.07	0.08		1.20	0.89		0.53	0.76	
		0.00	0.00		0.20	0.00		0.08	0.00
Grand Median		0.068			1.00			0.45	
Median Abs Dev		0.009			0.05			0.03	
Avg Within Lab SD		0.021			0.04			0.02	
Labs Included		10			11			11	
Labs Reporting		10			11			11	



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

Sum Anions (SubTestCode 316)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1604			SRWSRW1605			SRWSRW1606			
2V9A2L	2.61	-0.12	0.02	8.66	-0.05	0.15	5.83	0.00	0.01	
		-0.02	0.00		-0.03	0.01		0.00	0.00	
ETFYA8	2.95	1.95	1.18	9.13	0.65	0.36	6.36	1.83	0.41	
		0.32	0.04		0.44	0.03		0.53	0.06	
KJBZ3T	2.54	-0.59	0.45	8.69	0.00	0.67	5.64	-0.65	0.37	
		-0.10	0.02		0.00	0.05		-0.19	0.05	
E8KYJY	2.75	0.71		8.83	0.20	1.00	5.92	0.31	0.13	
		0.12	0.00		0.14	0.08		0.09	0.02	
MFPVJN	2.63	0.00	1.85	7.00	-2.48	1.84	5.66	-0.58	2.16	
		0.00	0.07		-1.69	0.14		-0.17	0.32	
Grand Median		2.63		8.69			5.83			
Median Abs Dev		0.10		0.14			0.17			
Avg Within Lab SD		0.04		0.08			0.15			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



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

Cation-Anion Difference (SubTestCode 317)	in the Difference Calculation Property Groups						Data units:
SRWSRW1604	SRWSRW1605		SRWSRW1606				
2V9A2L	0.220	0.174	0.051	0.411	-0.060	0.120	
		0.008		0.036		0.025	
ETFYA8	0.055	0.832	0.093	0.550	-0.274	0.208	
		0.038		0.048		0.044	
KJBZ3T	0.637	1.010	1.276	0.173	0.887	1.334	
		0.046		0.015		0.281	
MFPVJN	-0.837	1.502	-2.623	1.871	-2.329	1.470	
		0.068		0.164		0.309	
Grand Median	0.14		0.072		-0.167		
Median Abs Dev							
Avg Within Lab SD	0.05		0.088		0.210		
Labs Included	4		4		4		
Labs Reporting	4		4		4		



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

Boron (SubTestCode 318)			in the Other Property Groups						Data units: mg/L
	SRWSRW1604		SRWSRW1605			SRWSRW1606			
2V9A2L	0.024	-0.027	0.154	0.036	0.097	0.166	0.067	0.197	0.329
		-0.001	0.001		0.002	0.001		0.003	0.001
ETFYA8	0.010	-0.783	0.193	0.020	-0.869	0.331	0.050	-0.824	0.429
		-0.015	0.001		-0.014	0.001		-0.014	0.002
KG6H4X	0.038	0.703	1.326	0.042	0.484	2.355	0.068	0.257	2.141
		0.013	0.009		0.008	0.008		0.004	0.008
ZTQT9G	0.067	2.252	1.776	0.063	1.788	1.661	0.100	2.187	0.000
		0.042	0.012		0.029	0.006		0.037	0.000
KJBZ3T	0.030	0.294	0.000	0.040	0.361	0.000	0.067	0.197	1.647
		0.006	0.000		0.006	0.000		0.003	0.006
E8KYJY	0.025	0.027	0.154	0.033	-0.087	0.332	0.058	-0.320	0.000
		0.001	0.001		-0.001	0.001		-0.005	0.000
MFPVJN	0.023	-0.098	0.089	0.033	-0.066	0.000	0.062	-0.101	0.165
		-0.002	0.001		-0.001	0.000		-0.002	0.001
BX698W	0.023	-0.070	0.063	0.035	0.066	0.162	0.065	0.101	0.157
		-0.001	0.000		0.001	0.001		0.002	0.001
Y26GAB	0.057	1.718	2.197	0.003	-1.881	1.158	0.035	-1.703	1.339
		0.032	0.014		-0.031	0.004		-0.029	0.005
XJT9V6	0.010	-0.774	0.407	0.017	-1.045	0.288	0.049	-0.858	0.755
		-0.015	0.003		-0.017	0.001		-0.014	0.003
Grand Median		0.025		0.034			0.063		
Median Abs Dev		0.009		0.007			0.005		
Avg Within Lab SD		0.007		0.003			0.004		
Labs Included		10		10			10		
Labs Reporting		10		10			10		



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

PO4-P Phosphorus - Spec (SubTestCode 319) SRWSRW1604	in the Other Property Groups						Data units: mg/L
	SRWSRW1605		SRWSRW1606		SRWSRW1606		
ETFYA8	0.17	0.00	0.05	0.00	0.01	0.08	
		0.00		0.00		0.00	
BX698W	123.33	2.00	32.00	2.00	3.00	0.00	
		0.58		1.00		0.00	
Y26GAB	0.52	0.04	0.11	0.02	0.03	1.40	
		0.01		0.01		0.01	
D79YPQ	0.68	0.03	0.15	0.02	0.09	1.43	
		0.01		0.01		0.01	
Grand Median		0.60		0.13		0.060	
Median Abs Dev							
Avg Within Lab SD		0.29		0.50		0.007	
Labs Included		4		4		4	
Labs Reporting		4		4		4	



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

Phosphorus - ICP (Total) (SubTestCode 320)			in the Other Property Groups						Data units: mg/L	
	SRWSRW1604		SRWSRW1605			SRWSRW1606				
2V9A2L	0.153	-0.023	0.067	0.037	0.022	0.482	0.003	-0.170	0.074	
		-0.001	0.001		0.001	0.002		-0.007	0.001	
KJBZ3T	0.163	0.238	0.388	0.033	-0.058	1.390	0.010	0.000	0.000	
		0.009	0.006		-0.003	0.006		0.000	0.000	
E8KYJY	0.070	-2.122	0.671							
		-0.084	0.010							
MFPVJN	0.162	0.204	0.701	0.038	0.051	1.411	0.020	0.232	0.000	
		0.008	0.010		0.002	0.006		0.010	0.000	
YNEK8D	0.146	-0.202	0.187	0.027	-0.197	0.655	0.001	-0.215	0.040	
		-0.008	0.003		-0.009	0.003		-0.009	0.000	
BX698W	0.155	0.023	0.123	0.035	-0.027	0.153				
		0.001	0.002		-0.001	0.001				
6UNU32	0.251	2.467	1.780	0.237	4.366	1.367	0.129	2.755	2.234	
		0.098	0.027		0.201	0.006		0.119	0.017	
XJT9V6	0.149	-0.116	1.920	0.036	0.000	0.722				
		-0.005	0.029		0.000	0.003				
Grand Median		0.15			0.036			0.010		
Median Abs Dev		0.01			0.002			0.009		
Avg Within Lab SD		0.01			0.004			0.008		
Labs Included		8			7			5		
Labs Reporting		8			7			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		

Nitrogen Combustion (Total) (SubTestCode 322)	in the Other Property Groups						Data units: mg/L
	SRWSRW1604		SRWSRW1605		SRWSRW1606		
ETFYA8	2.0	1.4 0.0	23.8	1.4 0.3	1.6	1.0 0.0	
6UNU32	135.0	0.0	13.5	0.0			
Grand Median	68.5		18.6		1.64		
Median Abs Dev							
Avg Within Lab SD	0.0		0.2		0.04		
Labs Included	2		2		1		
Labs Reporting	2		2		1		



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

Total Organic Carbon (SubTestCode 323)	in the Other Property Groups						Data units: mg/L
	SRWSRW1604		SRWSRW1605		SRWSRW1606		
ETFYA8	72.0	1.0 0.2	64.4	1.0 0.4	62.7	1.0 0.2	
Grand Median	72.0		64.4		62.7		
Median Abs Dev							
Avg Within Lab SD	0.2		0.4		0.2		
Labs Included	1		1		1		
Labs Reporting	1		1		1		