

ALP Program

Participant Web Summary Report

2014 Round #25



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

ALP Program - Fall 2014 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Fall 2014 (Cycle 25) was completed in November, 2014, with participation by 92 labs from the United States, Canada, Guatemala, South Africa and Serbia. Proficiency samples consisted of five soils, three botanical and three water samples. Analytical methods evaluated are based on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry Canada.



Standard Reference Soils (SRS), materials used for the soils program were: SRS1411 a Warwick channery fine sandy loam collected from Windham City, VT; SRS1412 a Pulaski fine sandy loam collected from Payne City, OK; SRS1413 a Del Rey silt loam collected from Iroquois City, IL; SRS1414 a Otoe silty clay loam collected from Cass City, NE; and SRS1415 a Danvers-Judith clay loam collected from Judith Basin City, MT. Standard Reference Botanical (SRB) materials were: SRB1407 corn leaves from IN, SRB1408 potato petiole composite from WA and SRB1409 oat hay from CA. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW1407 a water source in NE, SRW1408 an irrigation ditch in CO, and SRW1409 a stream in ME.

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

Consensus Results

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

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



Choosing the Statistics Used

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

Why did we decide this?

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

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



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



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

Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups															Data units: Percent	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	39.1	-0.3	0.0	29.2	-0.5	0.4	33.8	0.0	0.3	51.4	-0.1	0.4	42.5	-0.1	0.9	
		-1.1	0.1		-1.8	0.5		-0.2	0.6		-0.3	0.9		-0.5	1.1	
4FGU6Y	35.4	-1.4	0.3	25.5	-1.6	0.4	33.1	-0.3	3.5	45.0	-1.3	0.5	34.6	-1.3	0.4	
		-4.9	0.6		-5.6	0.5		-0.9	7.4		-6.6	1.1		-8.4	0.5	
6VRW4Y	40.6	0.1	0.8	27.0	-1.2	0.8	34.2	0.1	0.6	54.1	0.5	0.8	46.8	0.6	1.5	
		0.4	1.6		-4.1	1.0		0.2	1.3		2.4	1.9		3.8	1.8	
WZDPZ9	40.3	0.0	0.3	32.3	0.4	0.5	34.0	0.0	0.5	51.7	0.0	0.7	43.0	0.0		
		0.1	0.6		1.3	0.6		0.0	1.0		0.0	1.5		0.0	0.0	
RMY4PD	41.3	0.3	0.3	33.7	0.8	0.5	32.5	-0.4	0.3	56.0	0.8	0.8	47.7	0.7	0.5	
		1.1	0.6		2.6	0.6		-1.5	0.7		4.3	1.7		4.7	0.6	
JXQR6N	38.9	-0.4	0.7	28.7	-0.7	0.7	36.3	0.7	0.2	47.3	-0.8	1.1	38.5	-0.7	1.0	
		-1.4	1.4		-2.4	0.9		2.3	0.5		-4.3	2.5		-4.5	1.2	
G38DZP	38.6	-0.5	0.0	29.3	-0.5	0.2	41.3	2.2	0.2	46.0	-1.1	0.0	37.8	-0.8	0.3	
		-1.7	0.1		-1.8	0.3		7.3	0.3		-5.6	0.1		-5.2	0.3	
CVNF9M	35.1	-1.5	3.0	33.2	0.6	3.8	32.2	-0.5	0.8	44.2	-1.4	3.8	39.4	-0.6	0.9	
		-5.1	6.0		2.2	4.7		-1.8	1.7		-7.5	8.6		-3.6	1.1	
324YCW	46.5	1.9	0.2	31.6	0.2	0.7	40.2	1.9	1.5	55.4	0.7	0.6	50.8	1.2	0.8	
		6.3	0.4		0.5	0.8		6.2	3.2		3.8	1.3		7.8	0.9	
TJJTCA	41.3	0.3	0.3	36.0	1.4	0.8	41.7	2.3	1.5	54.0	0.4	0.4	47.7	0.7	0.9	
		1.1	0.6		5.0	1.0		7.7	3.2		2.3	1.0		4.7	1.2	
JWV7DH	40.6	0.1	1.0	31.2	0.0	0.8	33.3	-0.2	0.8	51.5	0.0	0.6	43.0	0.0	1.3	
		0.4	2.1		0.1	1.0		-0.7	1.6		-0.1	1.3		0.0	1.6	
C2ET8P	40.0	-0.1		29.3	-0.5	0.5	32.7	-0.4	0.5	49.3	-0.4	0.3	41.3	-0.3	0.5	
		-0.3	0.0		-1.7	0.6		-1.3	1.2		-2.3	0.6		-1.7	0.6	
ECP2NE	34.7	-1.7	0.2	25.6	-1.6	0.3	29.2	-1.4	0.3	41.7	-1.9	0.7	33.8	-1.5	0.5	
		-5.6	0.5		-5.5	0.3		-4.8	0.7		-10.0	1.6		-9.2	0.7	
UH277Z	38.3	-0.6	0.3	31.0	0.0	0.8	37.3	1.0	0.3	55.0	0.6	0.4	47.7	0.7	0.5	
		-1.9	0.6		-0.1	1.0		3.3	0.6		3.3	1.0		4.7	0.6	
MH4PU2	37.7	-0.8	0.8	27.7	-1.0	0.5	30.0	-1.2	0.8	47.7	-0.8	1.0	38.3	-0.7	1.3	
		-2.6	1.5		-3.4	0.6		-4.0	1.7		-4.0	2.3		-4.7	1.5	
ABNPUG	40.2	0.0		26.3	-1.4		30.5	-1.0		46.9	-0.9		40.1	-0.5		
		-0.1	0.0		-4.8	0.0		-3.5	0.0		-4.8	0.0		-2.9	0.0	
TYUGGX	38.0	-0.7		31.7	0.2	0.9	34.0	0.0	0.8	51.7	0.0	0.3	42.0	-0.2		
		-2.3	0.0		0.6	1.2		0.0	1.7		0.0	0.6		-1.0	0.0	
UEHDVX	44.2	1.2	0.4	31.1	0.0	0.3	34.1	0.0	0.3	56.4	0.9	0.5	52.2	1.5	0.8	
		4.0	0.8		0.1	0.3		0.1	0.6		4.8	1.0		9.2	1.0	
AMG7JH	41.3	0.3	0.3	30.1	-0.3	0.9	35.8	0.5	0.3	53.4	0.3	0.1	47.1	0.7	0.5	
		1.0	0.6		-0.9	1.2		1.8	0.6		1.7	0.3		4.1	0.6	
N8W8V4	42.1	0.5	1.0	37.4	1.8	0.6	34.9	0.3	0.3	58.3	1.2	0.8	45.9	0.5	0.5	
		1.8	2.1		6.3	0.8		0.9	0.7		6.6	1.9		2.9	0.6	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
U6D7FX	42.9	0.8	0.2	31.1	0.0	0.3	34.5	0.1	0.3	54.1	0.5	0.8	49.3	1.0	2.9
		2.7	0.3		0.1	0.4		0.5	0.6		2.4	1.8		6.3	3.5
LDDTR6	44.9	1.4	2.9	31.5	0.1	0.4	33.1	-0.3	0.8	52.8	0.2	0.2	46.7	0.6	1.3
		4.6	5.8		0.4	0.5		-0.9	1.7		1.1	0.4		3.7	1.6
Grand Median		40.3			31.1			34.0			51.7			43.0	
Median Abs Dev		1.7			1.8			1.4			3.6			4.3	
Avg Within Lab SD		2.0			1.2			2.1			2.3			1.2	
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		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
4FGU6Y	5.40	-0.84	0.50	5.67	-1.16	0.68	4.55	-0.76	1.02	0.57	-10.27	0.81	2.85	-9.94	3.97
		-0.22	0.10		-0.21	0.05		-0.23	0.15		-4.67	0.08		-4.17	0.41
6VRW4Y	5.71	0.36	0.05	5.91	0.14	0.27	4.74	-0.13	0.28	5.30	0.12	0.16	6.99	-0.08	0.39
		0.09	0.01		0.03	0.02		-0.04	0.04		0.06	0.02		-0.03	0.04
WZDPZ9	5.51	-0.42	0.13	5.77	-0.61	0.49	4.72	-0.20	0.21	5.25	0.03	0.47	7.03	0.02	0.26
		-0.11	0.03		-0.11	0.04		-0.06	0.03		0.01	0.05		0.01	0.03
JXQR6N	5.62	0.01	0.05	5.86	-0.14	0.52	4.85	0.22	0.20	5.12	-0.25	0.26	7.06	0.09	0.45
		0.00	0.01		-0.03	0.04		0.07	0.03		-0.12	0.03		0.04	0.05
G38DZP	5.12	-1.92	0.14	5.50	-2.08	0.27	4.32	-1.51	0.18	4.88	-0.80	0.26	6.82	-0.47	0.24
		-0.50	0.03		-0.38	0.02		-0.46	0.03		-0.36	0.03		-0.20	0.03
CVNF9M	6.47	3.28	4.23	6.07	0.99	1.58	5.50	2.38	3.62	5.23	-0.01	1.58	7.15	0.31	0.69
		0.85	0.81		0.18	0.12		0.72	0.52		-0.01	0.15		0.13	0.07
324YCW	5.50	-0.45		5.80	-0.45	0.00	4.73	-0.15	0.40	5.10	-0.30	0.00	7.00	-0.05	
		-0.12	0.00		-0.08	0.00		-0.05	0.06		-0.14	0.00		-0.02	0.00
TJJTCA	5.61	-0.01	0.21	5.95	0.38	1.95	5.43	2.13	1.03	5.37	0.28	0.79	7.07	0.11	1.04
		0.00	0.04		0.07	0.14		0.65	0.15		0.13	0.08		0.05	0.11
JWV7DH	5.45	-0.63	0.53	5.82	-0.33	0.84	4.75	-0.09	0.41	5.42	0.41	3.31	7.01	-0.02	0.30
		-0.16	0.10		-0.06	0.06		-0.03	0.06		0.19	0.32		-0.01	0.03
C2ET8P	5.54	-0.31	0.11	5.64	-1.32	0.36	4.41	-1.22	0.12	5.03	-0.45	0.12	6.87	-0.36	0.10
		-0.08	0.02		-0.24	0.03		-0.37	0.02		-0.21	0.01		-0.15	0.01
PXPUCE	5.73	0.44	0.10	6.17	1.55	0.68	4.65	-0.44	0.98	5.43	0.42	0.27	7.47	1.08	1.07
		0.11	0.02		0.29	0.05		-0.13	0.14		0.19	0.03		0.45	0.11
UH277Z	5.59	-0.10	0.36	5.83	-0.27	1.27	4.94	0.53	0.35	5.30	0.13	0.12	6.87	-0.35	0.46
		-0.03	0.07		-0.05	0.09		0.16	0.05		0.06	0.01		-0.15	0.05
MH4PU2	5.91	1.14	1.50	6.10	1.16	2.78	5.17	1.30	2.11	5.40	0.36	2.43	7.15	0.31	1.23
		0.30	0.29		0.21	0.20		0.39	0.30		0.16	0.23		0.13	0.13
ABNPUG	5.50	-0.45		6.00	0.63		4.60	-0.59		5.00	-0.52		7.20	0.42	
		-0.12	0.00		0.12	0.00		-0.18	0.00		-0.24	0.00		0.18	0.00
QGYAAZ	5.88	1.00	0.55	6.04	0.87	1.29	5.02	0.80	0.70	5.24	0.01	0.53	7.14	0.28	0.17
		0.26	0.11		0.16	0.09		0.24	0.10		0.01	0.05		0.12	0.02
TYUGGX	5.50	-0.45		5.79	-0.51	1.31	4.79	0.03	0.12	5.22	-0.05	0.22	7.13	0.27	0.20
		-0.12	0.00		-0.09	0.10		0.01	0.02		-0.02	0.02		0.11	0.02
UEHDVX	5.58	-0.15	0.03	5.79	-0.49	0.21	4.57	-0.70	0.11	5.23	-0.02	0.10	6.86	-0.39	0.15
		-0.04	0.01		-0.09	0.02		-0.21	0.02		-0.01	0.01		-0.17	0.02
AMG7JH	5.69	0.28	0.23	5.91	0.16	0.08	4.89	0.36	0.14	5.29	0.12	0.42	7.03	0.02	0.19
		0.07	0.04		0.03	0.01		0.11	0.02		0.06	0.04		0.01	0.02
N8W8V4	5.66	0.18	0.03	5.94	0.29	0.08	4.82	0.13	0.14	5.24	0.01	0.22	6.99	-0.07	0.49
		0.05	0.01		0.05	0.01		0.04	0.02		0.01	0.02		-0.03	0.05
U6D7FX	5.78	0.64	0.47	5.93	0.23	0.44	4.97	0.62	0.35	5.20	-0.08	0.27	7.01	-0.04	0.44
		0.17	0.09		0.04	0.03		0.19	0.05		-0.04	0.03		-0.02	0.05



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
LDDTR6	5.94	1.24	0.63	5.99	0.56	0.55	4.93	0.50	0.18	5.27	0.06	0.49	7.04	0.05	0.73
		0.32	0.12		0.10	0.04		0.15	0.03		0.03	0.05		0.02	0.08
FVERDC	5.75	0.51	0.28	5.79	-0.51	0.14	4.77	-0.03	0.25	5.18	-0.12	0.22	6.97	-0.12	0.39
		0.13	0.05		-0.09	0.01		-0.01	0.04		-0.06	0.02		-0.05	0.04
Grand Median		5.62			5.88			4.78			5.24			7.02	
Median Abs Dev		0.12			0.09			0.16			0.06			0.08	
Avg Within Lab SD		0.19			0.07			0.14			0.10			0.10	
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		

ECe - sp (SubTestCode 103)	in the Salinity Property Groups															Data units: dS/m
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	0.63	0.58	0.48	1.35	0.61	2.06	0.20	0.10	0.11	0.50	-0.07	0.55	2.41	0.23	0.00	
		0.09	0.02		0.11	0.11		0.00	0.00		-0.03	0.01		0.15	0.00	
4FGU6Y	0.59	0.24	0.84	1.28	0.24	1.27	0.23	0.74	0.49	5.06	11.90	0.85	6.99	7.31	0.20	
		0.04	0.04		0.04	0.07		0.03	0.01		4.54	0.02		4.73	0.02	
6VRW4Y	0.38	-1.17	0.90	1.01	-1.30	0.10	0.20	0.09	0.52	0.40	-0.33	0.97	1.84	-0.65	0.72	
		-0.17	0.04		-0.24	0.01		0.00	0.01		-0.13	0.03		-0.42	0.08	
WZDPZ9	0.78	1.58	0.44	1.40	0.87	0.63	0.24	1.10	0.55	0.64	0.30	1.00	2.50	0.37	1.49	
		0.23	0.02		0.16	0.03		0.04	0.01		0.12	0.03		0.24	0.16	
JXQR6N	0.65	0.68	0.45	1.41	0.93	1.54	0.20	-0.02	0.44	0.63	0.27	1.27	2.62	0.55	1.44	
		0.10	0.02		0.17	0.08		0.00	0.01		0.10	0.03		0.36	0.15	
G38DZP	0.34	-1.42	0.37	1.05	-1.04	0.11	0.16	-1.16	0.31	0.30	-0.59	0.00	1.64	-0.95	0.11	
		-0.21	0.02		-0.19	0.01		-0.04	0.01		-0.23	0.00		-0.62	0.01	
CVNF9M	0.65	0.68	1.33	1.17	-0.39	1.66	0.27	1.91	0.00	0.64	0.30	1.61	2.49	0.36	0.27	
		0.10	0.06		-0.07	0.08		0.07	0.00		0.12	0.04		0.23	0.03	
324YCW	0.48	-0.47	0.37	0.99	-1.39	2.04	0.17	-0.70	1.13	0.44	-0.21	0.79	1.93	-0.50	1.19	
		-0.07	0.02		-0.25	0.10		-0.03	0.02		-0.08	0.02		-0.33	0.13	
TJJTCA	0.65	0.70	0.30	1.13	-0.62	0.77	0.16	-1.02	1.68	0.55	0.07	0.50	2.31	0.08	0.09	
		0.10	0.01		-0.11	0.04		-0.04	0.03		0.03	0.01		0.05	0.01	
JWV7DH	0.55	0.03	0.12	1.21	-0.15	1.44	0.19	-0.16	0.83	0.50	-0.07	0.44	2.22	-0.06	0.53	
		0.00	0.01		-0.03	0.07		-0.01	0.02		-0.03	0.01		-0.04	0.06	
C2ET8P	0.20	-2.36	0.21	1.25	0.05	0.52	0.20	0.02	1.09	0.43	-0.26	0.44	2.09	-0.26	0.29	
		-0.35	0.01		0.01	0.03		0.00	0.02		-0.10	0.01		-0.17	0.03	
ECP2NE	0.62	0.49	0.15	1.41	0.97	0.61	0.18	-0.63	0.14	0.63	0.27	1.16	2.38	0.19	0.82	
		0.07	0.01		0.17	0.03		-0.02	0.00		0.10	0.03		0.12	0.09	
PXPUCE	0.51	-0.28	0.48	1.23	-0.05	0.53	0.21	0.36	0.19	0.47	-0.14	0.50	2.16	-0.15	1.24	
		-0.04	0.02		-0.01	0.03		0.01	0.00		-0.05	0.01		-0.10	0.13	
UH277Z	0.58	0.19	0.12	1.16	-0.46	0.60	0.19	-0.25	0.00	0.53	0.01	0.38	2.14	-0.18	0.15	
		0.03	0.01		-0.08	0.03		-0.01	0.00		0.01	0.01		-0.12	0.02	
MH4PU2	0.59	0.30	0.35	1.29	0.29	0.34	0.19	-0.24	0.51	0.58	0.14	0.77	2.59	0.51	0.06	
		0.04	0.02		0.05	0.02		-0.01	0.01		0.05	0.02		0.33	0.01	
ABNPUG	0.70	1.02		1.30	0.33		0.20	0.02		0.70	0.46		2.50	0.37		
		0.15	0.00		0.06	0.00		0.00	0.00		0.18	0.00		0.24	0.00	
QGYAAZ	0.47	-0.50	0.73	0.91	-1.86	0.54	0.19	-0.23	0.53	0.50	-0.06	2.91	1.93	-0.51	2.69	
		-0.07	0.03		-0.33	0.03		-0.01	0.01		-0.02	0.08		-0.33	0.28	
TYUGGX	0.59	0.30	0.25	1.15	-0.51	0.34	0.19	-0.20	0.36	0.55	0.05	0.18	2.33	0.11	0.03	
		0.04	0.01		-0.09	0.02		-0.01	0.01		0.02	0.00		0.07	0.00	
UEHDVX	0.55	-0.03	0.39	1.29	0.26	0.88	0.25	1.46	0.63	0.57	0.13	0.44	2.09	-0.26	0.29	
		0.00	0.02		0.05	0.05		0.05	0.01		0.05	0.01		-0.17	0.03	
AMG7JH	0.54	-0.06	0.37	1.31	0.41	0.63	0.22	0.65	0.31	0.52	-0.01	0.38	2.35	0.14	0.75	
		-0.01	0.02		0.07	0.03		0.02	0.01		-0.01	0.01		0.09	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		
N8W8V4	0.48	-0.50	0.29	1.01	-1.28	0.24	0.17	-0.87	0.03	0.42	-0.28	0.14	1.99	-0.42	0.74
		-0.07	0.01		-0.23	0.01		-0.03	0.00		-0.11	0.00		-0.27	0.08
U6D7FX	0.48	-0.50	0.31	1.05	-1.04	0.41	0.16	-0.96	0.71	0.48	-0.12	1.50	1.96	-0.46	1.09
		-0.07	0.01		-0.19	0.02		-0.04	0.01		-0.05	0.04		-0.30	0.11
LDDTR6	0.40	-1.02	4.27	1.33	0.50	1.28	0.27	1.83	3.00	0.53	0.02	1.34	2.30	0.06	2.33
		-0.15	0.20		0.09	0.07		0.07	0.05		0.01	0.04		0.04	0.24
FVERDC	0.39	-1.09	0.04	1.36	0.65	0.98	0.25	1.47	2.49	0.48	-0.11	0.58	1.29	-1.50	0.11
		-0.16	0.00		0.12	0.05		0.05	0.05		-0.04	0.02		-0.97	0.01
Grand Median		0.55			1.24			0.20			0.53			2.26	
Median Abs Dev		0.07			0.10			0.02			0.05			0.24	
Avg Within Lab SD		0.05			0.05			0.02			0.03			0.10	
Labs Included		24			24			24			24			24	
Labs Reporting		24			24			24			24			24	



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

HCO3 -sp (SubTestCode 104)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	0.29	-0.52	0.09	0.54	0.01	0.32	0.41	0.01	0.32	0.35	0.01	0.60	2.42	0.20	0.56	
		-0.23	0.01		0.01	0.06		0.00	0.06		0.00	0.05		0.17	0.18	
6VRW4Y	0.49	-0.07	1.14	0.82	0.51	2.52	0.82	0.80	2.73	0.49	0.32	1.91	0.92	-1.57	2.31	
		-0.03	0.16		0.29	0.49		0.41	0.49		0.15	0.16		-1.34	0.72	
WZDPZ9	0.43	-0.20	0.40	0.33	-0.35	0.15	0.22	-0.36	0.16	0.25	-0.21	0.58	1.87	-0.46	0.09	
		-0.09	0.06		-0.20	0.03		-0.19	0.03		-0.09	0.05		-0.39	0.03	
JXQR6N	1.67	2.57	0.56	1.77	2.19	0.06	1.64	2.37	0.03	1.61	2.76	0.12	2.70	0.53	0.18	
		1.15	0.08		1.23	0.01		1.23	0.01		1.27	0.01		0.45	0.06	
G38DZP	0.51	-0.03	0.07	0.35	-0.33	0.03	0.39	-0.03	0.06	0.34	-0.01	0.00	1.77	-0.57	0.05	
		-0.01	0.01		-0.19	0.01		-0.01	0.01		0.00	0.00		-0.49	0.02	
CVNF9M	1.20	1.51	1.40	1.47	1.65	0.59	1.27	1.66	0.64	1.27	2.01	1.35	2.40	0.17	0.64	
		0.68	0.20		0.93	0.12		0.86	0.12		0.92	0.12		0.15	0.20	
324YCW	0.74	0.48	1.29	0.53	-0.01	0.92	0.32	-0.16	0.00	0.32	-0.05	0.00	2.11	-0.17	1.16	
		0.22	0.18		-0.01	0.18		-0.08	0.00		-0.02	0.00		-0.15	0.36	
C2ET8P	0.53	0.03	1.61	0.33	-0.35	0.59	0.40	-0.01		0.33	-0.02	1.35	3.73	1.73	0.74	
		0.01	0.23		-0.20	0.12		0.00	0.00		-0.01	0.12		1.48	0.23	
Grand Median		0.52		0.53			0.40			0.34			2.26			
Median Abs Dev		0.15		0.20			0.14			0.06			0.42			
Avg Within Lab SD		0.14		0.20			0.18			0.09			0.31			
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		

Ca - sp (SubTestCode 105)	in the Salinity Property Groups															Data units: mmol/L
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	3.39	0.15	0.01	7.61	0.67	1.27	0.54	0.48	0.07	2.52	-0.03	0.68	25.96	0.92	0.62	
		0.31	0.05		0.83	0.43		0.10	0.01		-0.02	0.10		3.92	0.78	
6VRW4Y	2.16	-0.44	0.05	5.89	-0.71	1.76	0.84	1.90	0.74	2.06	-0.85	1.05	18.35	-0.87	0.73	
		-0.92	0.37		-0.89	0.60		0.40	0.05		-0.48	0.16		-3.68	0.92	
WZDPZ9	3.54	0.22	0.03	6.83	0.04	1.81	0.42	-0.07	0.25	2.94	0.71	1.15	24.58	0.60	1.59	
		0.46	0.26		0.05	0.61		-0.02	0.02		0.40	0.18		2.54	1.99	
JXQR6N	3.26	0.08	0.01	7.31	0.42	0.92	1.09	3.10	1.98	2.91	0.65	1.94	24.72	0.63	2.34	
		0.18	0.07		0.53	0.31		0.66	0.14		0.37	0.30		2.69	2.93	
G38DZP	1.27	-0.86	0.07	5.15	-1.31	0.15	0.45	0.07	0.00	1.40	-2.03	0.00	14.02	-1.89	0.10	
		-1.81	0.57		-1.63	0.05		0.02	0.00		-1.14	0.00		-8.02	0.13	
CVNF9M	3.30	0.10	0.01	6.50	-0.23	1.02	0.50	0.31		3.27	1.29	1.87	25.07	0.71	1.01	
		0.22	0.10		-0.28	0.35		0.07	0.00		0.73	0.29		3.03	1.26	
324YCW	2.21	-0.41	0.01	5.14	-1.32	1.30	0.34	-0.43	0.42	2.03	-0.90	0.07	18.20	-0.90	1.56	
		-0.87	0.10		-1.64	0.44		-0.09	0.03		-0.51	0.01		-3.83	1.95	
TJJTCA	2.65	-0.20	0.01	4.96	-1.47	0.55	0.20	-1.09	0.22	2.19	-0.63	0.30	18.90	-0.74	0.26	
		-0.43	0.05		-1.82	0.19		-0.23	0.02		-0.35	0.05		-3.13	0.32	
JWV7DH	3.37	0.14	0.02	7.50	0.58	0.86	0.73	1.39	1.45	2.80	0.46	1.18	23.70	0.39	1.28	
		0.29	0.17		0.72	0.29		0.30	0.10		0.26	0.18		1.67	1.60	
C2ET8P	0.97	-1.00	0.01	6.87	0.07	0.45	0.40	-0.16	1.45	1.83	-1.26	0.75	22.03	0.00	0.28	
		-2.11	0.06		0.09	0.15		-0.04	0.10		-0.71	0.12		0.00	0.35	
9KKUUL	3.60	0.25		7.20	0.34		0.31	-0.59		2.71	0.30		22.38	0.08		
		0.52	0.00		0.42	0.00		-0.13	0.00		0.17	0.00		0.35	0.00	
ECP2NE	3.08	0.00	0.01	7.48	0.56	0.45	0.26	-0.84	0.17	2.63	0.15	0.80	21.60	-0.10	0.97	
		0.00	0.05		0.70	0.15		-0.18	0.01		0.09	0.12		-0.43	1.22	
UH277Z	2.91	-0.08	0.01	6.78	0.00	0.69	0.33	-0.49	0.29	2.62	0.15	0.19	20.99	-0.25	0.45	
		-0.17	0.09		0.00	0.23		-0.11	0.02		0.08	0.03		-1.04	0.56	
MH4PU2	3.34	0.12	0.01	7.29	0.41	1.03	0.37	-0.33	0.42	2.88	0.60	0.99	25.25	0.76	1.01	
		0.26	0.05		0.51	0.35		-0.07	0.03		0.34	0.15		3.22	1.26	
QGYAAZ	22.22	9.08	4.58	2.47	-3.47	0.61				1.19	-2.40	0.86	7.16	-3.50	1.10	
		19.14	36.29		-4.31	0.21					-1.35	0.13		-14.87	1.37	
TYUGGX	3.23	0.07	0.01	6.30	-0.38	0.53	0.35	-0.42	0.30	2.73	0.34	0.40	23.08	0.25	0.17	
		0.15	0.07		-0.48	0.18		-0.09	0.02		0.19	0.06		1.05	0.21	
UEHDVX	2.87	-0.10	0.02	7.05	0.22	1.93	0.49	0.24	0.99	2.65	0.19	0.81	23.05	0.24	0.64	
		-0.21	0.13		0.27	0.65		0.05	0.07		0.11	0.12		1.02	0.80	
AMG7JH	2.96	-0.06	0.01	7.19	0.33	0.64	0.49	0.26	0.84	2.54	0.00	0.59	22.49	0.11	0.79	
		-0.12	0.06		0.41	0.22		0.06	0.06		0.00	0.09		0.46	0.99	
N8W8V4	2.52	-0.26	0.03	5.47	-1.06	0.52	0.48	0.23	0.08	2.12	-0.75	0.14	19.55	-0.58	0.07	
		-0.56	0.21		-1.31	0.18		0.05	0.01		-0.42	0.02		-2.48	0.09	
U6D7FX	3.08	0.00	0.01	6.35	-0.34	0.74	0.33	-0.50	0.30	2.48	-0.10	1.46	19.86	-0.51	1.00	
		0.00	0.08		-0.43	0.25		-0.11	0.02		-0.06	0.23		-2.18	1.25	



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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		
LDDTR6	1.94	-0.54	0.12	6.48	-0.24	0.91	0.56	0.57	2.98	2.33	-0.38	1.74	21.50	-0.13	1.18
		-1.14	0.99		-0.30	0.31		0.12	0.21		-0.21	0.27		-0.53	1.47
Grand Median		3.08			6.78			0.44			2.54			22.0	
Median Abs Dev		0.31			0.51			0.10			0.34			2.5	
Avg Within Lab SD		7.92			0.34			0.07			0.15			1.3	
Labs Included		21			21			20			21			21	
Labs Reporting		21			21			20			21			21	



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

Mg - sp (SubTestCode 106)	in the Salinity Property Groups														Data units: mmolc/L
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	1.38	0.36	0.21	2.84	0.37	0.65	0.28	-0.20	0.25	1.06	-0.12	0.08	3.30	0.07	0.54
		0.15	0.02		0.23	0.10		-0.03	0.01		-0.04	0.01		0.05	0.10
6VRW4Y	0.84	-0.95	1.29	2.27	-0.54	1.54	0.67	2.16	0.08	0.99	-0.36	1.04	2.58	-0.97	0.78
		-0.39	0.15		-0.34	0.24		0.35	0.00		-0.11	0.07		-0.67	0.14
WZDPZ9	1.75	1.28	1.73	2.81	0.32	2.59	0.34	0.12	0.79	1.23	0.48	2.29	3.25	0.00	2.46
		0.52	0.19		0.20	0.41		0.02	0.02		0.14	0.15		0.00	0.46
JXQR6N	1.46	0.57	0.26	3.13	0.83	1.78	0.75	2.68	1.94	1.45	1.21	1.40	3.82	0.84	1.41
		0.23	0.03		0.52	0.28		0.44	0.06		0.36	0.09		0.58	0.26
G38DZP	0.84	-0.94	0.10	2.28	-0.53	0.16	0.25	-0.41		0.78	-1.08	0.38	2.59	-0.95	0.06
		-0.39	0.01		-0.33	0.03		-0.07	0.00		-0.32	0.03		-0.65	0.01
CVNF9M	1.37	0.33	0.51	2.47	-0.23	0.73	0.40	0.51	0.00	1.37	0.93	0.88	3.50	0.37	0.54
		0.14	0.06		-0.14	0.12		0.08	0.00		0.27	0.06		0.25	0.10
324YCW	0.95	-0.69	0.44	2.01	-0.96	1.25	0.26	-0.33	1.75	0.91	-0.63	0.09	2.76	-0.70	1.44
		-0.28	0.05		-0.60	0.20		-0.05	0.05		-0.19	0.01		-0.48	0.27
TJJTCA	1.00	-0.55	0.26	1.82	-1.25	0.29	0.18	-0.86	0.52	0.91	-0.62	0.40	2.53	-1.04	0.43
		-0.23	0.03		-0.79	0.05		-0.14	0.02		-0.18	0.03		-0.72	0.08
JWV7DH	1.57	0.82	0.51	3.21	0.96	1.21	0.41	0.55	0.86	1.47	1.27	0.38	4.17	1.33	0.76
		0.34	0.06		0.60	0.19		0.09	0.03		0.37	0.03		0.92	0.14
C2ET8P	0.47	-1.86	0.51	2.87	0.41	0.37	0.33	0.10	1.97	0.90	-0.66	0.00	3.57	0.46	0.31
		-0.76	0.06		0.26	0.06		0.02	0.06		-0.19	0.00		0.32	0.06
9KKUUL	1.51	0.68		2.89	0.45		0.24	-0.48		1.23	0.46		3.39	0.21	
		0.28	0.00		0.28	0.00		-0.08	0.00		0.14	0.00		0.14	0.00
ECP2NE	1.59	0.88	0.24	3.55	1.50	0.60	0.22	-0.60	0.34	1.54	1.51	1.41	3.63	0.56	1.11
		0.36	0.03		0.94	0.10		-0.10	0.01		0.44	0.09		0.39	0.21
UH277Z	1.18	-0.13	0.45	2.61	0.00	0.61	0.25	-0.41	0.34	1.09	0.00	0.72	3.05	-0.28	0.16
		-0.05	0.05		0.00	0.10		-0.07	0.01		0.00	0.05		-0.19	0.03
MH4PU2	1.29	0.14	0.42	2.77	0.25	0.30	0.30	-0.10	1.62	1.23	0.48	0.00	3.48	0.34	0.92
		0.06	0.05		0.16	0.05		-0.02	0.05		0.14	0.00		0.24	0.17
QGYAAZ	0.32	-2.23	0.29	0.57	-3.24	0.23				0.32	-2.62	0.59	0.52	-3.95	0.47
		-0.91	0.03		-2.04	0.04					-0.77	0.04		-2.73	0.09
TYUGGX	1.23	0.00	0.32	2.27	-0.54	0.33	0.27	-0.27	0.52	1.11	0.06	0.15	3.09	-0.22	0.08
		0.00	0.04		-0.34	0.05		-0.04	0.02		0.02	0.01		-0.15	0.02
UEHDVX	1.25	0.05	1.02	2.64	0.05	0.83	0.53	1.30		1.17	0.27	1.13	3.05	-0.28	0.64
		0.02	0.12		0.03	0.13		0.21	0.00		0.08	0.07		-0.19	0.12
AMG7JH	1.28	0.12	0.30	2.91	0.47	0.69	0.44	0.73	1.57	1.19	0.31	0.67	3.45	0.29	0.82
		0.05	0.03		0.30	0.11		0.12	0.05		0.09	0.04		0.20	0.15
N8W8V4	1.00	-0.55	0.71	2.06	-0.87	0.38	0.26	-0.37	0.20	0.83	-0.88	0.09	2.84	-0.59	0.09
		-0.23	0.08		-0.55	0.06		-0.06	0.01		-0.26	0.01		-0.41	0.02
U6D7FX	1.18	-0.12	0.00	2.41	-0.32	0.64	0.34	0.12	0.99	1.08	-0.03	1.17	2.79	-0.66	1.11
		-0.05	0.00		-0.20	0.10		0.02	0.03		-0.01	0.08		-0.45	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		
LDDTR6	0.86	-0.89	3.59	2.57	-0.06	1.34	0.51	1.18	0.97	1.04	-0.17	2.34	3.29	0.07	2.04
		-0.37	0.40		-0.04	0.21		0.19	0.03		-0.05	0.15		0.05	0.38
Grand Median		1.23			2.61			0.32			1.09			3.25	
Median Abs Dev		0.23			0.30			0.07			0.14			0.32	
Avg Within Lab SD		0.11			0.16			0.03			0.07			0.19	
Labs Included		21			21			20			21			21	
Labs Reporting		21			21			20			21			21	



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

Na - sp (SubTestCode 107)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	1.03	2.00	1.36	0.57	1.26	1.73	0.20	-0.02	0.13	0.38	0.99	1.90	0.70	1.60	0.18	
		0.53	0.11		0.21	0.09		0.00	0.01		0.10	0.08		0.24	0.01	
6VRW4Y	0.38	-0.46	0.32	0.29	-0.40	0.12	0.20	0.00	0.02	0.22	-0.67	0.26	0.42	-0.23	0.43	
		-0.12	0.03		-0.07	0.01		0.00	0.00		-0.07	0.01		-0.03	0.03	
WZDPZ9	1.09	2.23	1.46	0.99	3.71	3.03	0.21	0.08	0.49	0.25	-0.32	1.18	0.45	0.00	1.06	
		0.59	0.12		0.63	0.16		0.01	0.05		-0.03	0.05		0.00	0.08	
JXQR6N	0.67	0.63	2.06	0.56	1.18	0.86	0.40	1.50	1.87	0.39	1.13	2.18	0.38	-0.48	0.69	
		0.17	0.17		0.20	0.05		0.19	0.18		0.11	0.10		-0.07	0.05	
G38DZP	0.30	-0.76	0.00	0.25	-0.63	0.11	0.14	-0.46	0.12	0.17	-1.13	0.23	0.31	-0.94	0.13	
		-0.20	0.00		-0.11	0.01		-0.06	0.01		-0.11	0.01		-0.14	0.01	
CVNF9M	0.90	1.52	0.00	0.73	2.21	1.08	0.60	3.08	0.00	0.50	2.21		0.85	2.59	0.93	
		0.40	0.00		0.37	0.06		0.40	0.00		0.22	0.00		0.40	0.07	
324YCW	0.73	0.86	2.23	0.43	0.43	0.66	0.43	1.74	0.71	0.31	0.29	0.45	0.88	2.81	3.56	
		0.23	0.18		0.07	0.04		0.22	0.07		0.03	0.02		0.43	0.27	
TJJTCA	1.04	2.07	1.29	0.37	0.08	1.57	0.38	1.35	3.62	0.36	0.79	2.18	0.48	0.15	1.29	
		0.54	0.11		0.01	0.08		0.17	0.34		0.08	0.10		0.02	0.10	
JWV7DH	0.56	0.22	0.42	0.40	0.24	0.75	0.20	0.00	0.25	0.30	0.22	0.26	0.57	0.74	0.50	
		0.06	0.04		0.04	0.04		0.00	0.02		0.02	0.01		0.11	0.04	
C2ET8P	0.47	-0.13	0.70	0.47	0.63	1.08	0.37	1.27	0.61	0.33	0.52	1.31	0.63	1.17	0.76	
		-0.03	0.06		0.11	0.06		0.16	0.06		0.05	0.06		0.18	0.06	
9KKUUL	0.55	0.19		0.36	0.00		0.19	-0.10		0.25	-0.32		0.41	-0.28		
		0.05	0.00		0.00	0.00		-0.01	0.00		-0.03	0.00		-0.04	0.00	
ECP2NE	0.42	-0.32	0.07	0.33	-0.16	0.11	0.20	-0.05	0.06	0.34	0.59	0.45	0.41	-0.30	0.46	
		-0.08	0.01		-0.03	0.01		-0.01	0.01		0.06	0.02		-0.05	0.04	
UH277Z	0.43	-0.28	0.37	0.35	-0.06	0.49	0.14	-0.52	0.12	0.23	-0.56	0.13	0.41	-0.28	0.00	
		-0.07	0.03		-0.01	0.03		-0.07	0.01		-0.06	0.01		-0.04	0.00	
MH4PU2	0.43	-0.25	0.52	0.29	-0.41	0.47	0.13	-0.56	0.00	0.22	-0.65	0.00	0.38	-0.50	0.33	
		-0.07	0.04		-0.07	0.03		-0.07	0.00		-0.06	0.00		-0.08	0.03	
QGYAAZ	0.67	0.65	2.02	0.45	0.55	1.17				0.42	1.43	1.61	0.53	0.50	1.46	
		0.17	0.17		0.09	0.06					0.14	0.07		0.08	0.11	
TYUGGX	0.50	0.00	0.21	0.31	-0.28	0.11	0.18	-0.15	0.16	0.26	-0.22	0.00	0.48	0.15	0.08	
		0.00	0.02		-0.05	0.01		-0.02	0.02		-0.02	0.00		0.02	0.01	
UEHDVX	0.40	-0.39	0.18	0.30	-0.36	0.32				0.25	-0.35	0.35	0.43	-0.13	0.20	
		-0.10	0.02		-0.06	0.02					-0.04	0.02		-0.02	0.02	
AMG7JH	0.57	0.26	0.05	0.43	0.39	0.37	0.30	0.75	0.38	0.32	0.43	0.54	0.54	0.58	0.27	
		0.07	0.00		0.07	0.02		0.10	0.04		0.04	0.02		0.09	0.02	
N8W8V4	0.40	-0.38	0.36	0.26	-0.59	0.19							0.36	-0.59	0.08	
		-0.10	0.03		-0.10	0.01								-0.09	0.01	
U6D7FX	0.43	-0.25	0.14	0.30	-0.36	0.24	0.16	-0.37	0.09	0.24	-0.38	0.20	0.43	-0.15	0.59	
		-0.07	0.01		-0.06	0.01		-0.05	0.01		-0.04	0.01		-0.02	0.04	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
LDDTR6	0.42	-0.29	0.80	0.32	-0.24	0.32	0.22	0.13		0.25	-0.29	0.35	0.45	0.00	0.46
		-0.08	0.07		-0.04	0.02		0.02	0.00		-0.03	0.02		0.00	0.04
Grand Median		0.50			0.36			0.20			0.28			0.45	
Median Abs Dev		0.10			0.07			0.05			0.05			0.07	
Avg Within Lab SD		0.08			0.05			0.09			0.04			0.08	
Labs Included		21			21			18			20			21	
Labs Reporting		21			21			18			20			21	



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

SAR - sp (SubTestCode 108)	in the Salinity Property Groups															Data units: value
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	0.66	1.52	1.32	0.25	1.04	1.61	0.31	-0.20	0.11	0.28	0.90	1.80	0.18	1.25	0.26	
		0.29	0.08		0.09	0.03		-0.05	0.02		0.07	0.06		0.06	0.01	
6VRW4Y	0.31	-0.31	0.09	0.15	-0.22	0.20	0.23	-0.54	0.01	0.17	-0.58	0.09	0.13	0.06	0.27	
		-0.06	0.00		-0.02	0.00		-0.13	0.00		-0.04	0.00		0.00	0.01	
WZDPZ9	0.67	1.55	0.80	0.45	3.45	2.45	0.35	-0.06	0.28	0.17	-0.59	0.88	0.12	-0.15	0.69	
		0.30	0.05		0.29	0.05		-0.01	0.06		-0.04	0.03		-0.01	0.02	
JXQR6N	0.43	0.33	1.95	0.25	0.99	1.01	0.41	0.23	0.93	0.27	0.71	2.28	0.10	-0.57	0.71	
		0.06	0.11		0.08	0.02		0.05	0.19		0.05	0.07		-0.03	0.02	
CVNF9M	0.58	1.08	0.18	0.35	2.20	0.98	0.92	2.40	0.08	0.36	1.95	0.31	0.22	2.10	0.57	
		0.21	0.01		0.18	0.02		0.56	0.02		0.14	0.01		0.09	0.01	
324YCW	0.58	1.08	2.60	0.23	0.80	1.25	0.77	1.75	0.41	0.26	0.54	0.47	0.28	3.37	3.73	
		0.21	0.15		0.07	0.03		0.41	0.09		0.04	0.02		0.15	0.09	
TJJTCA	0.77	2.08	1.59	0.20	0.48	1.90	0.85	2.09	3.69	0.29	1.04	2.49	0.15	0.45	1.16	
		0.40	0.09		0.04	0.04		0.49	0.76		0.08	0.08		0.02	0.03	
C2ET8P	0.57	1.01	1.01	0.20	0.44	0.00	0.60	1.03	0.49	0.30	1.13	0.00	0.20	1.65	0.00	
		0.20	0.06		0.04	0.00		0.24	0.10		0.08	0.00		0.07	0.00	
9KKUUL	0.34	-0.15		0.16	-0.04		0.36	0.00		0.18	-0.50		0.11	-0.37		
		-0.03	0.00		0.00	0.00		0.00	0.00		-0.04	0.00		-0.02	0.00	
ECP2NE	0.27	-0.50	0.10	0.14	-0.28	0.00	0.40	0.19	0.06	0.24	0.27	0.18	0.12	-0.22	0.23	
		-0.10	0.01		-0.02	0.00		0.04	0.01		0.02	0.01		-0.01	0.01	
UH277Z	0.30	-0.36	0.30	0.16	0.00	0.72	0.25	-0.46	0.07	0.17	-0.68	0.18	0.12	-0.15	0.00	
		-0.07	0.02		0.00	0.02		-0.11	0.02		-0.05	0.01		-0.01	0.00	
TYUGGX	0.34	-0.17	0.10	0.15	-0.12	0.27	0.33	-0.14	0.10	0.19	-0.36	0.00	0.13	0.07	0.00	
		-0.03	0.01		-0.01	0.01		-0.03	0.02		-0.03	0.00		0.00	0.00	
UEHDVX	0.28	-0.48	0.10	0.14	-0.32	0.27				0.18	-0.54	0.18	0.12	-0.15	0.00	
		-0.09	0.01		-0.03	0.01					-0.04	0.01		-0.01	0.00	
AMG7JH	0.39	0.10	0.00	0.19	0.32	0.47	0.44	0.34	0.13	0.24	0.27	0.35	0.15	0.52	0.00	
		0.02	0.00		0.03	0.01		0.08	0.03		0.02	0.01		0.02	0.00	
N8W8V4	0.30	-0.34	0.27	0.13	-0.36	0.27							0.11	-0.37	0.00	
		-0.07	0.02		-0.03	0.01								-0.02	0.00	
U6D7FX	0.30	-0.38	0.20	0.14	-0.24	0.27	0.27	-0.39	0.05	0.18	-0.45	0.18	0.13	0.00	0.46	
		-0.07	0.01		-0.02	0.01		-0.09	0.01		-0.03	0.01		0.00	0.01	
LDDTR6	0.37	0.00	0.46	0.15	-0.16	0.47	0.29	-0.30	0.00	0.20	-0.27	0.18	0.13	0.00	0.23	
		0.00	0.03		-0.01	0.01		-0.07	0.00		-0.02	0.01		0.00	0.01	
Grand Median		0.37			0.16			0.36			0.22			0.13		
Median Abs Dev		0.07			0.03			0.08			0.04			0.02		
Avg Within Lab SD		0.06			0.02			0.21			0.03			0.02		
Labs Included		17			17			15			16			17		
Labs Reporting		17			17			15			16			17		



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

Cl - sp (SubTestCode 109)	in the Salinity Property Groups															Data units: mmolc/L
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	0.69	1.81	3.07	1.11	0.71	3.16	0.39	0.48	0.30	0.23	0.45	2.04	0.52	1.00	2.91	
		0.45	0.14		0.23	0.18		0.09	0.02		0.05	0.06		0.18	0.07	
6VRW4Y	0.25	0.03	1.22	0.77	-0.36	1.10	0.65	1.93	3.45	0.16	-0.07	1.56	0.31	-0.19	0.00	
		0.01	0.05		-0.12	0.06		0.34	0.27		-0.01	0.05		-0.03	0.00	
WZDPZ9	0.38	0.58	0.47	1.20	0.97	0.33	0.25	-0.31	0.01	0.11	-0.47	0.03	0.31	-0.19	0.26	
		0.14	0.02		0.31	0.02		-0.06	0.00		-0.06	0.00		-0.03	0.01	
RMY4PD	0.40	0.66	0.00	1.24	1.09	0.57	0.25	-0.29	0.03	0.14	-0.25	1.02	0.32	-0.09	0.34	
		0.16	0.00		0.35	0.03		-0.05	0.00		-0.03	0.03		-0.02	0.01	
JXQR6N	0.41	0.68	1.62	1.02	0.43	0.63	0.64	1.90	0.26	0.31	1.13	0.32	0.50	0.87	0.46	
		0.17	0.07		0.14	0.04		0.34	0.02		0.14	0.01		0.16	0.01	
G38DZP	0.25	0.05		0.59	-0.92	0.00	0.25	-0.30		0.25	0.64		0.25	-0.50		
		0.01	0.00		-0.30	0.00		-0.05	0.00		0.08	0.00		-0.09	0.00	
324YCW	0.17	-0.29	0.34	0.62	-0.84	0.58	0.25	-0.32	0.08	0.14	-0.28	0.49	0.28	-0.33	1.06	
		-0.07	0.02		-0.27	0.03		-0.06	0.01		-0.03	0.02		-0.06	0.03	
TJJTCA	0.17	-0.27	0.22	0.73	-0.50	0.37	0.34	0.21	1.81	0.14	-0.26	0.32	0.37	0.15	0.23	
		-0.07	0.01		-0.16	0.02		0.04	0.14		-0.03	0.01		0.03	0.01	
JWV7DH	0.23	-0.03	0.81	0.69	-0.62	0.72	0.28	-0.15	0.49	0.23	0.45	1.21	0.31	-0.17	1.39	
		-0.01	0.04		-0.20	0.04		-0.03	0.04		0.06	0.04		-0.03	0.03	
C2ET8P	0.22	-0.06	1.06	0.89	0.00	0.81	0.39	0.49	0.81	0.20	0.23	2.41	0.44	0.56	1.74	
		-0.01	0.05		0.00	0.05		0.09	0.06		0.03	0.08		0.10	0.04	
UH277Z	0.23	-0.03	0.22	1.10	0.65	0.55	0.38	0.45	0.54	0.18	0.07	0.55	0.40	0.32	0.23	
		-0.01	0.01		0.21	0.03		0.08	0.04		0.01	0.02		0.06	0.01	
MH4PU2	0.12	-0.47	0.36	0.80	-0.27	0.77	0.24	-0.33	0.42	0.11	-0.48	0.00	0.30	-0.22	0.65	
		-0.12	0.02		-0.09	0.04		-0.06	0.03		-0.06	0.00		-0.04	0.02	
ABNPUG	1.50	5.08		1.70	2.53		0.80	2.80		0.80	5.11		1.40	5.90		
		1.26	0.00		0.81	0.00		0.50	0.00		0.63	0.00		1.06	0.00	
TYUGGX	0.18	-0.22	0.26	0.69	-0.61	0.18	0.30	0.00	0.54	0.15	-0.20	0.18	0.34	0.00	0.69	
		-0.05	0.01		-0.20	0.01		0.00	0.04		-0.02	0.01		0.00	0.02	
UEHDVX				0.96	0.23	1.42										
					0.07	0.08										
AMG7JH	0.28	0.17	0.06	1.11	0.69	0.79	0.45	0.85	0.16	0.21	0.32	0.31	0.42	0.43	0.23	
		0.04	0.00		0.22	0.04		0.15	0.01		0.04	0.01		0.08	0.01	
N8W8V4				0.60	-0.90	0.10	0.22	-0.47	0.00				0.40	0.33	0.00	
					-0.29	0.01		-0.08	0.00					0.06	0.00	
U6D7FX	0.15	-0.37	0.19	0.78	-0.33	0.49	0.27	-0.19	0.09	0.12	-0.39	0.45	0.30	-0.23	1.01	
		-0.09	0.01		-0.11	0.03		-0.03	0.01		-0.05	0.01		-0.04	0.03	
LDDTR6				0.93	0.14	1.24										
					0.04	0.07										



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		0.24			0.89			0.30			0.17			0.34	
Median Abs Dev		0.07			0.20			0.06			0.04			0.06	
Avg Within Lab SD		0.04			0.06			0.08			0.03			0.03	
Labs Included		16			19			17			16			17	
Labs Reporting		16			19			17			16			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		

SO4 - sp (SubTestCode 110)	in the Salinity Property Groups														Data units: mmol/L		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
PD3DTL	0.26	-0.18	0.02	1.07	0.19	0.51	0.58	0.05	0.11	0.59	-0.01	0.11	16.25	0.22	0.13		
		-0.06	0.00		0.06	0.06		0.01	0.01		0.00	0.03		0.53	0.10		
6VRW4Y	0.45	0.43	0.69	0.99	-0.05	0.61	0.77	1.07	0.36	0.67	0.31	0.02	12.75	-1.25	0.62		
		0.13	0.06		-0.02	0.08		0.20	0.03		0.08	0.00		-2.96	0.48		
WZDPZ9	0.88	1.84	0.57	1.37	1.10	0.25	0.57	0.00	0.43	0.46	-0.54	0.02	16.37	0.27	0.12		
		0.57	0.05		0.36	0.03		0.00	0.04		-0.13	0.01		0.65	0.09		
RMY4PD	0.87	1.78	0.85	1.28	0.83	0.32	0.59	0.10	0.56	0.43	-0.67	0.04	15.75	0.02	1.78		
		0.55	0.07		0.27	0.04		0.02	0.05		-0.16	0.01		0.04	1.40		
JXQR6N	0.22	-0.31	0.35	1.05	0.12	0.94	0.55	-0.07	0.90	0.57	-0.07	0.05	17.35	0.69	1.84		
		-0.10	0.03		0.04	0.12		-0.01	0.09		-0.02	0.02		1.63	1.44		
G38DZP	0.05	-0.85	0.07	0.25	-2.30		0.15	-2.19	0.00	0.14	-1.85	0.04	3.23	-5.25	0.04		
		-0.26	0.01		-0.76	0.00		-0.42	0.00		-0.45	0.01		-12.48	0.03		
324YCW	0.40	0.26	2.36	0.74	-0.82	0.27	0.50	-0.35	0.82	0.40	-0.77	0.09	13.73	-0.83	0.73		
		0.08	0.20		-0.27	0.03		-0.07	0.08		-0.19	0.03		-1.98	0.57		
TJJTCA	0.22	-0.32	0.30	0.85	-0.50	0.23	0.52	-0.27	1.40	0.49	-0.40	0.04	14.21	-0.63	0.28		
		-0.10	0.03		-0.16	0.03		-0.05	0.13		-0.10	0.01		-1.50	0.22		
JWV7DH	0.23	-0.29	0.07	1.10	0.26	0.79	0.56	-0.02	0.74	0.63	0.18	0.24	15.72	0.00	1.06		
		-0.09	0.01		0.09	0.10		0.00	0.07		0.04	0.07		0.00	0.83		
C2ET8P	0.35	0.12	0.30	1.01	0.00	0.14	0.74	0.92	1.05	0.64	0.19	0.05	16.94	0.52	0.63		
		0.04	0.03		0.00	0.02		0.18	0.10		0.05	0.02		1.23	0.49		
UH277Z	0.35	0.11	0.59	1.27	0.80	0.16	0.59	0.10	0.16	0.62	0.11	0.13	15.79	0.03	0.62		
		0.03	0.05		0.26	0.02		0.02	0.02		0.03	0.04		0.08	0.49		
MH4PU2	0.33	0.03	0.28	1.17	0.47	0.43	0.47	-0.50	0.13	0.59	0.00	0.08	15.87	0.07	1.18		
		0.01	0.02		0.16	0.06		-0.10	0.01		0.00	0.02		0.16	0.93		
QGYAAZ	1.28	3.12	3.30	2.03	3.08	3.99	1.04	2.47	2.07	1.57	4.07	4.33	13.93	-0.75	0.89		
		0.96	0.28		1.02	0.51		0.47	0.20		0.98	1.27		-1.79	0.70		
TYUGGX	0.27	-0.15	0.12	0.88	-0.38	0.05	0.55	-0.07	0.06	0.58	-0.05	0.05	16.74	0.43	0.19		
		-0.05	0.01		-0.13	0.01		-0.01	0.01		-0.01	0.02		1.03	0.15		
UEHDVX	0.27	-0.15	0.00	0.99	-0.07	0.40	0.82	1.31	1.86	0.62	0.14	0.09	16.64	0.39	0.61		
		-0.05	0.00		-0.02	0.05		0.25	0.18		0.03	0.03		0.93	0.48		
AMG7JH	0.26	-0.18	0.03	1.03	0.05	0.34	0.73	0.87	0.42	0.62	0.12	0.15	15.66	-0.02	0.85		
		-0.05	0.00		0.02	0.04		0.17	0.04		0.03	0.05		-0.06	0.66		
N8W8V4	0.14	-0.56	0.07	0.72	-0.89	0.12	0.46	-0.55	0.06	0.38	-0.85	0.04	14.30	-0.60	0.15		
		-0.17	0.01		-0.29	0.02		-0.10	0.01		-0.21	0.01		-1.42	0.12		
U6D7FX	0.97	2.13	0.07	0.72	-0.89	0.21	0.42	-0.79	0.26	1.16	2.36	0.12	14.25	-0.62	1.33		
		0.66	0.01		-0.29	0.03		-0.15	0.03		0.57	0.04		-1.46	1.05		
LDDTR6	0.32	0.00	0.48	1.01	-0.01	0.32	0.78	1.12	2.29	0.62	0.12	0.27	15.17	-0.23	2.10		
		0.00	0.04		0.00	0.04		0.21	0.22		0.03	0.08		-0.55	1.65		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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		0.32			1.01			0.57			0.59			15.7	
Median Abs Dev		0.09			0.16			0.10			0.05			1.0	
Avg Within Lab SD		0.08			0.13			0.10			0.29			0.8	
Labs Included		19			19			19			19			19	
Labs Reporting		19			19			19			19			19	



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

NO3 - sp (SubTestCode 111)	in the Salinity Property Groups														Data units: mmol/L	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	4.28	0.20	0.04	8.91	0.28	0.62	0.41	-0.21	0.34	2.85	-0.73	1.00	8.76	0.00	0.95	
		0.26	0.02		0.51	0.21		-0.03	0.02		-0.72	0.18		0.00	0.57	
WZDPZ9	4.02	0.00	0.02	8.33	-0.04	0.29	0.51	0.54	0.02	3.69	0.12	0.04	9.41	0.27	0.06	
		0.00	0.01		-0.08	0.10		0.08	0.00		0.12	0.01		0.65	0.04	
JXQR6N	5.33	1.00	0.53	10.64	1.25	1.41	0.44	-0.01	1.40	4.51	0.95	1.86	11.96	1.32	1.27	
		1.31	0.22		2.24	0.48		0.00	0.08		0.94	0.34		3.20	0.76	
G38DZP	2.94	-0.83	0.00	8.34	-0.04	0.00	0.45	0.09	0.00	2.54	-1.05	0.06	7.38	-0.57	0.04	
		-1.08	0.00		-0.06	0.00		0.01	0.00		-1.03	0.01		-1.38	0.03	
324YCW	1.08	-2.25	0.24	3.07	-2.98	0.60	0.12	-2.27	0.21	1.37	-2.23	0.17	2.73	-2.48	0.34	
		-2.94	0.10		-5.34	0.21		-0.31	0.01		-2.20	0.03		-6.02	0.20	
TJJTCA	4.20	0.14	0.20	7.66	-0.41	1.12	0.45	0.11	0.45	3.72	0.15	0.46	8.69	-0.03	0.27	
		0.18	0.08		-0.74	0.38		0.02	0.03		0.15	0.09		-0.07	0.16	
UH277Z	4.48	0.35	0.33	9.78	0.77	0.78	0.54	0.74	0.00	4.06	0.49	0.14	10.06	0.54	0.76	
		0.46	0.14		1.37	0.27		0.10	0.00		0.49	0.03		1.31	0.45	
TYUGGX	4.50	0.37	0.11	8.57	0.09	0.80	0.50	0.47	0.38	3.83	0.26	0.85	9.74	0.40	0.20	
		0.48	0.05		0.17	0.28		0.07	0.02		0.26	0.16		0.98	0.12	
UEHDVX	4.33	0.24	0.37	9.83	0.80	1.78				4.12	0.55	0.22	9.98	0.50	0.24	
		0.31	0.15		1.43	0.61					0.55	0.04		1.22	0.15	
AMG7JH	3.83	-0.15	0.33	9.57	0.65	0.55	0.43	-0.03	0.15	3.57	0.00	0.44	8.90	0.06	0.36	
		-0.19	0.14		1.17	0.19		0.00	0.01		0.00	0.08		0.15	0.22	
N8W8V4	2.39	-1.25	0.05	5.85	-1.43	0.35	0.07	-2.66	0.00	1.96	-1.63	0.05	5.32	-1.41	0.07	
		-1.63	0.02		-2.56	0.12		-0.37	0.00		-1.61	0.01		-3.43	0.04	
U6D7FX	3.83	-0.15	0.30	8.33	-0.04	0.94	0.44	0.01	0.53	3.56	-0.01	1.49	8.18	-0.24	1.02	
		-0.19	0.12		-0.07	0.32		0.00	0.03		-0.01	0.27		-0.58	0.61	
LDDTR6	1.61	-1.85	3.49	8.40	0.00	1.79	0.31	-0.95	3.04	2.99	-0.59	2.26	6.45	-0.95	2.91	
		-2.41	1.42		0.00	0.61		-0.13	0.17		-0.58	0.42		-2.31	1.74	
Grand Median		4.02			8.40			0.44			3.57			8.76		
Median Abs Dev		0.46			0.74			0.05			0.55			1.22		
Avg Within Lab SD		0.41			0.34			0.06			0.18			0.60		
Labs Included		13			13			12			13			13		
Labs Reporting		13			13			12			13			13		



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

B - sp (SubTestCode 112)	in the Salinity Property Groups												Data units: mg/L		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	0.04	-0.10	0.07	0.14	0.00	0.05	0.07	-0.17	0.02	0.10	-0.07	0.19	0.05	-0.03	0.01
		-0.02	0.00		0.00	0.01		-0.02	0.00		-0.01	0.00		0.00	0.00
WZDPZ9	0.06	0.00	0.11	0.17	0.20	0.06	0.08	-0.04	0.02	0.13	0.13	0.34	0.07	0.17	0.05
		0.00	0.01		0.02	0.01		-0.01	0.00		0.02	0.01		0.02	0.01
JXQR6N	0.07	0.03	0.22	0.16	0.18	0.07	0.12	0.27	0.11	0.13	0.09	0.28	0.06	0.08	0.04
		0.00	0.01		0.02	0.01		0.03	0.02		0.01	0.01		0.01	0.01
G38DZP	0.10	0.22	0.00	0.10	-0.35	0.00	0.10	0.08	0.00	0.10	-0.09	0.00	0.10	0.36	0.00
		0.04	0.00		-0.04	0.00		0.01	0.00		-0.01	0.00		0.05	0.00
JWV7DH	0.05	-0.07	0.19	0.14	-0.02	0.06	0.08	-0.05	0.11	0.11	-0.04	0.28	0.05	0.00	0.12
		-0.01	0.01		0.00	0.01		-0.01	0.02		-0.01	0.01		0.00	0.02
C2ET8P	0.03	-0.16	0.45	0.16	0.18	0.03	0.13	0.32	0.19	0.11	0.00	0.28	0.02	-0.23	0.12
		-0.03	0.02		0.02	0.01		0.04	0.03		0.00	0.01		-0.03	0.02
UH277Z	0.03	-0.18	0.00	0.13	-0.13	0.03	0.05	-0.32	0.00	0.13	0.11	0.48	0.05	-0.03	0.00
		-0.03	0.00		-0.02	0.01		-0.04	0.00		0.02	0.01		0.00	0.00
ABNPUG	0.16	0.56		0.12	-0.18		0.09	0.00		0.11	-0.02		0.01	-0.34	
		0.10	0.00		-0.02	0.00		0.00	0.00		0.00	0.00		-0.04	0.00
QGYAAZ	0.90	4.76	2.95	0.73	4.85	3.00	0.69	4.82	2.99	0.98	5.52	2.90	0.68	4.84	2.99
		0.84	0.15		0.59	0.51		0.60	0.43		0.86	0.06		0.63	0.39
Grand Median		0.062		0.14			0.09			0.11			0.053		
Median Abs Dev		0.029		0.02			0.02			0.01			0.021		
Avg Within Lab SD		0.052		0.17			0.14			0.02			0.130		
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 (1:1) (SubTestCode 113)			in the Soil pH & EC Property Groups												Data units: dS/m	
SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
RVVXMC	0.26	1.02	0.00	0.44	0.36	0.00	0.08	0.85	0.00	0.37	0.67	1.03	1.18	0.70	0.44	
		0.07	0.00		0.08	0.00		0.02	0.00		0.06	0.02		0.13	0.02	
6VRW4Y	0.16	-0.45	1.05	0.35	-0.05	0.38	0.06	0.10	1.79	0.47	1.86	0.75	1.19	0.77	0.56	
		-0.03	0.01		-0.01	0.01		0.00	0.01		0.16	0.02		0.14	0.03	
L2ZREK	0.19	-0.05	0.59	0.33	-0.11	0.36	0.06	-0.13	0.00	0.34	0.35	0.00	1.05	0.01	0.00	
		0.00	0.01		-0.02	0.01		0.00	0.00		0.03	0.00		0.00	0.00	
WZDPZ9	0.26	0.97	0.60	2.77	10.56	2.71	0.08	0.85	0.00	0.28	-0.32	0.29	1.25	1.08	0.21	
		0.07	0.01		2.41	0.04		0.02	0.00		-0.03	0.01		0.20	0.01	
JXQR6N	0.14	-0.75	0.00	0.32	-0.18	0.99	0.05	-0.49	0.00	0.41	1.23	0.57	1.04	-0.05	0.44	
		-0.05	0.00		-0.04	0.02		-0.01	0.00		0.10	0.01		-0.01	0.02	
GUGULG	0.15	-0.61	0.84	0.29	-0.31	1.18	0.06	-0.18	0.62	0.30	-0.11	1.06	0.97	-0.40	0.20	
		-0.04	0.01		-0.07	0.02		0.00	0.00		-0.01	0.02		-0.08	0.01	
BMDY2M	0.22	0.45	0.58	0.36	0.03	0.28	0.07	0.52	0.18	0.42	1.31	0.49	1.14	0.50	0.97	
		0.03	0.01		0.01	0.00		0.01	0.00		0.11	0.01		0.09	0.05	
26RTZY	0.16	-0.41	0.60	0.38	0.09	1.64	0.06	-0.13	0.82	0.31	-0.04	0.29	0.90	-0.75	0.12	
		-0.03	0.01		0.02	0.03		0.00	0.00		0.00	0.01		-0.14	0.01	
B9GHCN	0.12	-1.00	0.60	0.32	-0.18	0.75	0.05	-0.49	0.00	0.41	1.15	0.57	0.89	-0.84	0.68	
		-0.07	0.01		-0.04	0.01		-0.01	0.00		0.10	0.01		-0.16	0.03	
CLYU3N	0.12	-1.06	1.06	0.25	-0.47	0.66	0.05	-0.31	1.42	0.38	0.82	0.32	1.12	0.40	0.29	
		-0.07	0.01		-0.11	0.01		-0.01	0.00		0.07	0.01		0.07	0.01	
TJJTCA	0.18	-0.11	0.53	0.38	0.12	0.07	0.06	-0.17	0.55	0.34	0.36	1.34	1.13	0.44	2.17	
		-0.01	0.01		0.03	0.00		0.00	0.00		0.03	0.03		0.08	0.10	
9KKUUL	0.21	0.33	0.60	0.41	0.25	0.99	0.08	0.70	1.79	0.48	2.02	0.00	1.17	0.68	0.49	
		0.02	0.01		0.06	0.02		0.02	0.01		0.17	0.00		0.13	0.02	
J4HWZD	0.23	0.58	1.05	0.41	0.22	0.38	0.15	4.00	0.00	0.37	0.75	0.29	1.04	-0.01	0.32	
		0.04	0.01		0.05	0.01		0.09	0.00		0.06	0.01		0.00	0.02	
U2UBC6	0.09	-1.44	0.60	0.17	-0.83	0.38	0.03	-1.39	0.00	0.18	-1.50	0.29	0.65	-2.08	0.24	
		-0.10	0.01		-0.19	0.01		-0.03	0.00		-0.13	0.01		-0.39	0.01	
PM96DA	0.24	0.76	0.28	0.42	0.29	1.67	0.06	-0.01	0.47	0.28	-0.32	1.61	1.13	0.47	1.96	
		0.05	0.00		0.07	0.03		0.00	0.00		-0.03	0.03		0.09	0.09	
V7GHA4	0.19	0.05	0.21	0.38	0.12	0.04	0.06	0.12	0.18	0.31	0.04	0.29	1.08	0.18	0.21	
		0.00	0.00		0.03	0.00		0.00	0.00		0.00	0.01		0.03	0.01	
PXPUCE	0.20	0.13	3.56	0.34	-0.06	0.83	0.07	0.48	1.09	0.23	-1.01	0.41	0.71	-1.79	0.98	
		0.01	0.03		-0.01	0.01		0.01	0.00		-0.08	0.01		-0.34	0.05	
UH277Z	0.25	0.87		0.44	0.35	0.38	0.08	0.85	0.00	0.24	-0.79	0.29	1.23	1.00	2.07	
		0.06	0.00		0.08	0.01		0.02	0.00		-0.07	0.01		0.19	0.10	
QQL8Z6	0.17	-0.36	1.21	0.29	-0.28	0.75	0.06	0.00	0.62	0.30	-0.08	0.29	0.98	-0.33	1.61	
		-0.02	0.01		-0.06	0.01		0.00	0.00		-0.01	0.01		-0.06	0.08	
7G8JHQ	0.07	-1.77	0.70	0.23	-0.57	0.87	0.04	-1.06	0.95	0.29	-0.21	2.60	0.99	-0.31	0.36	
		-0.12	0.01		-0.13	0.01		-0.02	0.00		-0.02	0.05		-0.06	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		
RUHB6W	0.10	-1.34	0.00	0.30	-0.25	0.00	0.10	1.75	0.00	0.30	-0.12	0.00	0.70	-1.83	0.00
		-0.09	0.00		-0.06	0.00		0.04	0.00		-0.01	0.00		-0.35	0.00
LNK664	0.20	0.14	0.00	0.40	0.19	0.00				0.27	-0.51	2.85	0.90	-0.77	2.11
		0.01	0.00		0.04	0.00					-0.04	0.06		-0.15	0.10
TYUGGX	0.26	1.02	0.12	0.43	0.31	1.70	0.07	0.50	0.48	0.30	-0.08	0.27	1.08	0.21	0.14
		0.07	0.00		0.07	0.03		0.01	0.00		-0.01	0.01		0.04	0.01
FVERDC	0.23	0.53	1.57	0.35	-0.03	1.07	0.05	-0.39	3.19	0.36	0.53	0.37	0.93	-0.60	0.50
		0.04	0.01		-0.01	0.02		-0.01	0.01		0.05	0.01		-0.11	0.02
Grand Median		0.19			0.36			0.061			0.31			1.05	
Median Abs Dev		0.04			0.05			0.011			0.04			0.10	
Avg Within Lab SD		0.01			0.02			0.003			0.02			0.05	
Labs Included		24			24			23			24			24	
Labs Reporting		24			24			23			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		

Soil EC (1:2) (SubTestCode 114)		in the Soil pH & EC Property Groups												Data units: dS/m	
SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	0.13	0.00 0.43	0.23	0.00 0.45	0.06	0.91 0.25	0.17	-0.03 0.63	0.60	-0.17 0.58					
6VRW4Y	0.09	0.00 0.00	0.24	0.00 0.23	0.05	0.02 0.00	0.32	0.00 0.01	0.90	-0.04 0.02					
WZDPZ9	0.18	-1.08 0.00	0.28	0.07 0.23	0.05	0.36 0.00	0.17	2.96 0.77	0.75	1.25 0.33					
G38DZP	0.15	-0.04 0.00	0.14	0.00 0.01	0.06	0.01 0.00	0.15	0.15 0.01	0.56	0.27 0.01					
2724TW	0.12	1.16 0.66	0.20	0.83 0.00	0.04	0.44 0.31	0.15	0.04 0.00	0.53	0.52 0.17					
EQ8UCK	0.12	0.04 0.01	0.22	0.05 0.00	0.04	0.01 0.00	0.13	0.00 0.00	0.51	0.11 0.01					
MXYZLE	0.13	0.51 0.00	0.24	-1.62 4.13	0.04	0.67 0.63	0.15	-0.34 0.00	0.60	-0.34 0.44					
TJJTCA	0.11	0.02 0.00	0.20	-0.09 0.10	0.03	0.01 0.01	0.11	-0.02 0.00	0.57	-0.07 0.02					
24X99T	0.16	-0.37 0.77	0.23	-0.57 0.00	0.04	-0.28 0.63	0.15	-0.34 0.77	0.78	-0.49 0.29					
LZAKW9	0.11	-0.01 0.01	0.20	-0.03 0.00	0.04	-0.01 0.01	0.12	-0.02 0.01	0.55	-0.11 0.01					
LQ2XXG	0.17	-0.29 0.00	0.30	-0.20 0.40	0.05	-0.12 0.00	0.19	-0.80 0.88	0.85	-0.60 0.66					
BCCJ6Q	0.11	-0.01 0.00	0.23	-0.01 0.01	0.03	0.00 0.00	0.11	-0.04 0.01	0.71	-0.13 0.02					
UH277Z	0.14	0.00 0.13	0.24	0.05 0.62	0.04	-0.05 0.35	0.17	-0.34 0.09	0.78	-0.14 0.17					
CY8KWJ	0.15	0.00 0.00	0.25	0.00 0.02	0.05	0.00 0.00	0.17	-0.02 0.00	0.67	-0.03 0.01					
K88ZXA	0.22	-0.45 0.53	0.51	-0.61 0.10	0.12	-0.42 0.06	0.31	-0.76 0.11	1.58	-0.41 0.49					
H4YZND	0.07	-0.02 0.00	0.19	-0.03 0.00	0.03	-0.01 0.00	0.20	-0.04 0.00	0.50	-0.09 0.02					
FHNX2J	0.12	0.64 0.13	0.24	0.00 0.02	0.04	-0.29 0.06	0.11	-0.31 0.00	0.70	-0.30 0.03					
G6VVXG	0.10	0.02 0.00	0.20	0.00 0.00	0.10	-0.01 0.00	0.20	-0.02 0.00	0.67	-0.06 0.00					
2PWFGW	0.14	-0.64 0.77	0.24	-0.63 0.23	0.04	-0.12 0.00	0.17	-0.86 0.89	0.75	-0.38 0.17					
TYUGGX	0.14	-0.02 0.01	0.18	-0.04 0.01	0.04	0.00 0.00	0.15	-0.04 0.01	0.52	-0.08 0.01					
		0.94 0.77		1.18 0.69		0.20 0.63		0.43 1.55		0.98 1.64					
		0.04 0.01		0.07 0.02		0.00 0.01		0.02 0.02		0.21 0.06					
		-0.55 0.00		0.01 0.23		-0.59 0.00		0.37 0.45		0.33 0.44					
		-0.02 0.00		0.00 0.01		-0.01 0.00		0.02 0.01		0.07 0.02					
		0.15 0.77		0.07 0.23		-0.12 0.00		-1.19 0.45		-1.11 0.93					
		0.01 0.01		0.00 0.01		0.00 0.00		-0.06 0.01		-0.24 0.03					
		0.47 0.18		0.23 0.01		0.59 0.02		-0.03 0.03		0.65 0.13					
		0.02 0.00		0.01 0.00		0.01 0.00		0.00 0.00		0.14 0.00					
		2.42 0.47		4.82 0.06		3.46 0.06		2.76 1.26		4.38 0.39					
		0.09 0.00		0.28 0.00		0.07 0.00		0.14 0.02		0.94 0.01					
		-1.52 2.77		-0.75 1.06		-0.43 0.63		0.56 3.65		-0.65 1.30					
		-0.06 0.02		-0.04 0.03		-0.01 0.01		0.03 0.05		-0.14 0.05					
		-0.25 1.69		-0.40 0.91		0.06 0.76		1.04 0.97		0.28 0.29					
		-0.01 0.01		-0.02 0.02		0.00 0.01		0.05 0.01		0.06 0.01					
		-0.81 0.00		-0.57 0.00		2.73 0.00		0.63 0.00		0.14 1.66					
		-0.03 0.00		-0.03 0.00		0.06 0.00		0.03 0.00		0.03 0.06					
		0.14 0.13		0.08 0.08		0.00 0.05		0.03 0.13		0.54 0.16					
		0.01 0.00		0.00 0.00		0.00 0.00		0.00 0.00		0.12 0.01					
		0.16 0.34		-0.89 1.68		-0.15 0.09		-0.40 0.59		-0.52 1.89					
		0.01 0.00		-0.05 0.04		0.00 0.00		-0.02 0.01		-0.11 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		
UEHDVX	0.16	0.76	0.08	0.25	0.27	0.04	0.06	1.01	0.06	0.19	0.36	0.04	0.71	0.36	0.18
		0.03	0.00		0.02	0.00		0.02	0.00		0.02	0.00		0.08	0.01
AMG7JH	0.10	-0.81	1.00	0.17	-1.03	0.49				0.13	-0.64	0.77	0.51	-0.60	2.42
		-0.03	0.01		-0.06	0.01					-0.03	0.01		-0.13	0.08
LDDTR6	0.19	1.52	2.96	0.27	0.72	0.41	0.09	2.18	4.47	0.19	0.34	1.08	0.77	0.64	0.65
		0.06	0.02		0.04	0.01		0.05	0.04		0.02	0.01		0.14	0.02
WEPC6W	0.11	-0.55	0.00	0.20	-0.57	0.57	0.04	-0.35	0.77	0.20	0.63	0.00	0.72	0.39	2.04
		-0.02	0.00		-0.03	0.01		-0.01	0.01		0.03	0.00		0.08	0.07
Grand Median		0.13			0.23			0.042			0.17			0.64	
Median Abs Dev		0.02			0.03			0.008			0.02			0.11	
Avg Within Lab SD		0.01			0.03			0.009			0.01			0.03	
Labs Included		24			24			23			24			24	
Labs Reporting		24			24			23			24			24	



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

	pH (1:1) Water (SubTestCode 115) in the Soil pH & EC Property Groups															
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			Data units: Unit
PD3DTL	5.80	0.27	0.00	6.30	1.80	0.00	5.17	0.36	1.07	5.50	0.84		7.30	0.55	0.00	
		0.04	0.00		0.21	0.00		0.07	0.06		0.10	0.00		0.09	0.00	
RVVXMC	5.39	-2.85	0.47	5.83	-2.17	0.20	4.53	-3.05	0.37	5.13	-2.39	0.12	7.07	-0.85	0.34	
		-0.37	0.03		-0.26	0.01		-0.57	0.02		-0.28	0.01		-0.14	0.02	
QV2TTC	5.79	0.17	0.91	6.15	0.53	0.52	5.27	0.91	0.67	5.43	0.26	0.97	7.21	0.02	1.68	
		0.02	0.06		0.06	0.03		0.17	0.04		0.03	0.05		0.00	0.10	
RFZGXD	5.70	-0.50	0.00	6.10	0.11	0.00	5.20	0.54	0.00	5.40	-0.03	0.00	7.20	-0.06	0.00	
		-0.07	0.00		0.01	0.00		0.10	0.00		0.00	0.00		-0.01	0.00	
6VRW4Y	5.84	0.58	2.57	6.07	-0.14	0.71	4.97	-0.71	1.60	5.39	-0.14	0.52	7.09	-0.75	0.79	
		0.08	0.17		-0.02	0.04		-0.13	0.09		-0.02	0.03		-0.12	0.05	
L2ZREK	5.57	-1.51	0.41	6.10	0.08	0.12	4.84	-1.41	0.11	5.40	-0.05	0.43	7.45	1.47	0.27	
		-0.20	0.03		0.01	0.01		-0.26	0.01		-0.01	0.02		0.24	0.02	
TNT9JC	5.84	0.58	0.41	6.16	0.65	0.30	4.99	-0.59	2.13	5.49	0.78	0.93	7.36	0.91	1.16	
		0.08	0.03		0.08	0.02		-0.11	0.12		0.09	0.05		0.15	0.07	
WZDPZ9	5.75	-0.12	0.31	6.13	0.39	0.60	4.98	-0.66	0.28	5.36	-0.35	0.93	7.12	-0.55	0.34	
		-0.02	0.02		0.05	0.03		-0.12	0.02		-0.04	0.05		-0.09	0.02	
JXQR6N	5.64	-0.93	0.39	5.98	-0.90	0.85	4.96	-0.75	0.32	5.31	-0.81	0.21	7.18	-0.18	0.44	
		-0.12	0.03		-0.11	0.04		-0.14	0.02		-0.09	0.01		-0.03	0.03	
T9XRTE	5.60	-1.27	0.00	6.03	-0.45	1.13	4.97	-0.71	1.07				7.20	-0.06	0.00	
		-0.17	0.00		-0.05	0.06		-0.13	0.06					-0.01	0.00	
GUGULG	5.56	-1.60	0.73	6.00	-0.74	0.85	4.59	-2.71	1.57	5.24	-1.41	0.90	7.29	0.47	1.14	
		-0.21	0.05		-0.09	0.04		-0.51	0.09		-0.16	0.04		0.08	0.07	
BMDY2M	5.77	0.04	0.31	6.14	0.42	0.11	5.16	0.32	0.49	5.31	-0.81	0.00	7.24	0.18	0.58	
		0.01	0.02		0.05	0.01		0.06	0.03		-0.09	0.00		0.03	0.03	
26RTZY	5.72	-0.35	0.16	6.08	-0.03	0.23	5.05	-0.27	0.19	5.34	-0.52	0.12	7.17	-0.24	0.17	
		-0.05	0.01		0.00	0.01		-0.05	0.01		-0.06	0.01		-0.04	0.01	
B9GHCN	5.58	-1.40	0.45	5.95	-1.16	0.98	4.87	-1.25	0.53	5.18	-1.90	0.59	7.17	-0.26	0.97	
		-0.18	0.03		-0.14	0.05		-0.23	0.03		-0.22	0.03		-0.04	0.06	
MXYZLE	5.72	-0.37	0.24	6.02	-0.54	0.41	5.10	0.00	0.19	5.39	-0.14	0.31	7.22	0.08	0.26	
		-0.05	0.02		-0.06	0.02		0.00	0.01		-0.02	0.02		0.01	0.02	
CLYU3N	5.80	0.29	0.24	6.13	0.39	1.15	5.11	0.05	0.81	5.42	0.12	0.12	7.20	-0.04	0.76	
		0.04	0.02		0.05	0.06		0.01	0.04		0.01	0.01		-0.01	0.05	
TJJTCA	5.69	-0.55	0.80	6.02	-0.54	0.60	4.94	-0.86	0.37	5.42	0.14	2.50	7.21	0.02	0.19	
		-0.07	0.05		-0.06	0.03		-0.16	0.02		0.02	0.12		0.00	0.01	
9KKUUL	5.80	0.27	1.55	6.17	0.67	1.13	5.17	0.36	1.07	5.43	0.26	1.19	7.23	0.14	0.97	
		0.04	0.10		0.08	0.06		0.07	0.06		0.03	0.06		0.02	0.06	
GTL9VB	5.54	-1.73	0.16	5.83	-2.17	0.00	5.21	0.57	0.28	4.82	-5.05	0.21	6.94	-1.66	0.26	
		-0.23	0.01		-0.26	0.00		0.11	0.02		-0.58	0.01		-0.27	0.02	
J997AC	5.82	0.40	0.09	6.17	0.67	0.30	5.23	0.71	0.39	5.41	0.09	0.47	7.33	0.75	0.51	
		0.05	0.01		0.08	0.02		0.13	0.02		0.01	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					
Difference			W/L STD			Difference			W/L STD			Difference			W/L STD			Difference			W/L STD			Difference			W/L STD		
24X99T	5.70	-0.50	0.00	6.10	0.11	0.00	5.10	0.00	0.00	5.40	-0.03	0.00	7.30	0.55	0.00														
EPDALE	5.67	-0.07	0.00	6.00	0.01	0.00	4.97	0.00	0.00	5.40	0.00	0.00	7.17	0.09	0.00														
B8MWKH	5.76	-0.76	0.90	6.10	-0.74	0.00	5.38	-0.71	1.07	5.17	-0.03	0.00	6.47	-0.26	0.97														
WKLRZY	5.81	-0.10	0.06	6.21	-0.09	0.00	5.08	-0.13	0.06	5.51	0.00	0.00	7.31	-0.04	0.06														
7PG2YN	5.68	-0.04	0.00	6.01	0.11	0.00	4.91	1.50	0.00	5.30	-2.02	0.00	7.04	-4.51	0.00														
LZAKW9	5.79	-0.01	0.00	6.07	0.01	0.00	5.12	0.28	0.00	5.39	-0.23	0.00	7.23	-0.74	0.00														
XU4TVY	5.71	0.35	0.00	6.05	1.04	0.00	5.08	-0.12	1.07	5.44	0.92	0.00	7.13	0.61	0.00														
J4HWZD	5.70	0.05	0.00	6.07	0.12	0.00	5.03	-0.02	0.06	5.40	0.11	0.00	7.30	0.10	0.00														
9GXLYQ	6.30	-0.68	0.18	5.80	-0.62	0.11	4.71	-1.03	0.11	5.49	-0.92	0.31	7.40	-1.04	0.44														
PM96DA	5.80	-0.09	0.01	6.10	-0.07	0.01	5.20	-0.19	0.01	5.47	-0.11	0.02	7.13	-0.17	0.03														
7MTEJU	5.82	0.22	0.59	6.14	-0.17	0.60	5.18	0.09	0.77	5.40	-0.14	0.78	7.30	0.10	0.42														
V7GHA4	5.77	0.03	0.04	6.03	-0.02	0.03	5.17	0.02	0.04	5.41	-0.02	0.04	7.12	0.02	0.03														
LQ2XXG	5.76	-0.42	0.00	6.07	-0.31	0.00	5.14	-0.11	0.00	5.44	0.32	0.00	7.07	-0.49	0.00														
BCCJ6Q	5.76	-0.06	0.00	6.14	-0.04	0.00	4.82	-0.02	0.00	5.40	0.04	0.00	7.27	-0.08	0.00														
PXPUCE	5.82	-0.50	0.00	6.11	-0.17	1.13	5.24	-0.36	1.07	5.60	-0.03	0.00	7.22	0.55	0.00														
JTEQYJ	5.84	-0.07	0.00	6.23	-0.02	0.06	5.11	-0.07	0.06	5.43	0.00	0.00	7.20	0.09	0.00														
JJN8KB	5.92	4.11	0.00	6.22	-2.43	0.00	5.33	-2.09	0.00	5.54	0.75	0.00	7.35	1.16	0.00														
Q7GPP4	5.73	0.54	0.00	6.09	-0.29	0.00	5.07	-0.39	0.00	5.38	0.09	0.00	7.16	0.19	0.00														
UH277Z	5.90	0.27	0.00	6.09	0.11	0.00	5.07	0.54	0.00	5.42	0.55	1.19	7.04	-0.47	1.94														
829WQN	5.79	0.04	0.00	6.14	0.01	0.00	5.11	0.10	0.00	5.41	0.06	0.06	7.30	-0.08	0.12														
QQL8Z6	5.88	0.42	0.31	6.14	0.48	0.11	5.18	0.45	0.28	5.44	0.00	0.31	7.23	0.57	0.26														
K88ZXA	5.74	0.06	0.02	6.03	0.06	0.01	5.17	0.08	0.02	5.41	0.00	0.02	7.12	0.09	0.02														
		0.04	0.16	6.07	-0.48	0.20	5.14	0.39	0.39	5.44	0.03	0.63	7.07	-0.55	0.60														
		0.01	0.01	6.03	-0.06	0.01	5.14	0.07	0.02	5.41	0.00	0.03	7.12	-0.09	0.04														
		-0.04	0.27	6.07	-0.12	0.57	5.14	0.23	0.21	5.44	0.32	0.54	7.07	-0.85	0.89														
		-0.01	0.02	6.07	-0.01	0.03	5.14	0.04	0.01	5.44	0.04	0.03	7.07	-0.14	0.05														
		-0.06	0.09	6.14	0.42	0.23	4.82	-1.52	0.39	5.40	0.00	0.12	7.27	0.35	0.35														
		-0.01	0.01	6.14	0.05	0.01	4.82	-0.28	0.02	5.40	0.00	0.01	7.27	0.06	0.02														
		0.45	0.90	6.11	0.19	0.20	5.24	0.77	1.85	5.60	1.70	1.48	7.22	0.04	0.68														
		0.06	0.06	6.11	0.02	0.01	5.24	0.14	0.10	5.60	0.20	0.07	7.22	0.01	0.04														
		0.55	0.36	6.23	1.18	1.15	5.11	0.05	2.06	5.43	0.23	1.48	7.20	-0.06	0.67														
		0.07	0.02	6.23	0.14	0.06	5.11	0.01	0.11	5.43	0.03	0.07	7.20	-0.01	0.04														
		1.16	0.24	6.22	1.10	0.11	5.33	1.21	0.70	5.54	1.21	0.24	7.35	0.85	0.17														
		0.15	0.02	6.22	0.13	0.01	5.33	0.23	0.04	5.54	0.14	0.01	7.35	0.14	0.01														
		-0.29	0.09	6.09	0.03	0.20	5.07	-0.14	0.11	5.38	-0.23	0.24	7.16	-0.28	0.10														
		-0.04	0.01	6.09	0.00	0.01	5.07	-0.03	0.01	5.38	-0.03	0.01	7.16	-0.05	0.01														
		1.04	1.64	5.99	-0.79	0.63	4.77	-1.75	2.73	5.53	1.12	0.24	7.04	-1.06	1.01														
		0.14	0.11	5.99	-0.09	0.03	4.77	-0.33	0.15	5.53	0.13	0.01	7.04	-0.17	0.06														
		0.17	1.06	5.98	-0.90	0.98	5.19	0.46	0.75	5.33	-0.63	1.68	6.30	-5.52	1.02														
		0.02	0.07	5.98	-0.11	0.05	5.19	0.09	0.04	5.33	-0.07	0.08	6.30	-0.91	0.06														
		0.86	0.09	6.20	0.93	0.30	5.17	0.37	0.00	5.41	0.09	0.63	7.30	0.53	0.10														
		0.11	0.01	6.20	0.11	0.02	5.17	0.07	0.00	5.41	0.01	0.03	7.30	0.09	0.01														
		-0.17	0.32	6.08	-0.09	0.30	5.12	0.09	0.28	5.42	0.14	0.21	7.24	0.16	0.19														
		-0.02	0.02	6.08	-0.01	0.02	5.12	0.02	0.02	5.42	0.02	0.01	7.24	0.03	0.01														



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
7G8JHQ	5.63	-1.01	0.90	5.93	-1.30	1.13	5.13	0.18	1.07	5.43	0.26	1.19	7.23	0.14	0.97
EWPAWH	5.74	-0.13	0.06	6.08	-0.15	0.06	5.15	0.03	0.06	5.38	0.03	0.06	7.29	0.02	0.06
H4YZND	5.83	-0.19	0.00	6.30	-0.09	0.11	5.34	0.27	0.00	5.46	-0.17	0.12	7.41	0.47	0.35
2PWFGW	5.77	-0.03	0.00	6.18	-0.01	0.01	5.02	0.05	0.00	5.41	-0.02	0.01	7.21	0.08	0.02
E4RJ3A	5.72	0.52	0.77	6.02	1.77	0.49	5.07	1.28	0.37	5.36	0.52	0.59	7.28	1.22	5.07
RUHB6W	5.80	0.07	0.05	6.13	0.21	0.03	5.10	0.24	0.02	5.40	0.06	0.03	7.03	0.20	0.30
MH4PU2	5.69	0.04	0.00	6.08	0.79	0.00	5.25	-0.43	0.00	5.44	0.03	0.12	7.07	-0.02	0.10
LNK664	5.80	-0.37	0.73	6.07	-0.57	0.34	5.17	-0.08	0.00	5.33	0.00	0.01	7.27	0.00	0.01
TYUGGX	5.95	-0.05	0.05	6.09	-0.07	0.02	5.03	-0.14	0.39	5.43	-0.37	0.54	7.07	0.45	0.35
WEPC6W	5.77	0.27	0.00	6.21	-0.07	0.02	5.07	-0.03	0.02	5.64	-0.04	0.03	7.10	0.07	0.02
36MZBP	5.83	0.04	0.00	6.14	0.39	1.13	5.13	0.00	0.00	5.35	-0.03	0.00	7.28	-0.06	0.00
FVERDC	5.46	-0.57	2.07	5.76	-0.03	2.76	4.82	0.81	0.84	5.03	0.32	3.40	7.07	-0.01	0.00
		-0.07	0.13		0.00	0.14		0.15	0.05		0.04	0.17		-0.18	0.07
		0.27	0.00		-0.17	1.13		0.36	1.07		-0.61	2.37		0.35	0.97
		0.04	0.00		-0.02	0.06		0.07	0.06		-0.07	0.12		0.06	0.06
		1.41	5.07		0.03	3.03		-0.38	2.30		0.23	2.27		-0.87	1.46
		0.18	0.33		0.00	0.15		-0.07	0.12		0.03	0.11		-0.14	0.09
		0.06	0.24		1.07	4.00		-0.16	1.45		2.05	1.07		-0.69	1.56
		0.01	0.02		0.13	0.20		-0.03	0.08		0.24	0.05		-0.11	0.09
		0.52	0.86		0.42	0.41		0.14	1.02		-0.43	0.47		0.41	0.26
		0.07	0.06		0.05	0.02		0.03	0.06		-0.05	0.02		0.07	0.02
		-2.34	1.64		-2.74	1.90		-1.50	2.49		-3.23	1.76		-0.87	0.86
		-0.31	0.11		-0.32	0.10		-0.28	0.13		-0.37	0.09		-0.14	0.05
Grand Median		5.77		6.09		5.10		5.40		7.21					
Median Abs Dev		0.06		0.06		0.09		0.04		0.08					
Avg Within Lab SD		0.06		0.05		0.05		0.05		0.06					
Labs Included		54		54		54		53		54					
Labs Reporting		54		54		54		53		54					



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

pH (1:2) Water (SubTestCode 116)	in the Soil pH & EC Property Groups															Data units: Unit
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
6VRW4Y	5.94	0.35	1.93	6.18	-0.10	0.27	5.09	-0.32	0.78	5.53	-0.08	0.39	7.23	-0.21	0.86	
		0.09	0.17		-0.02	0.02		-0.10	0.08		-0.02	0.02		-0.03	0.05	
WZDPZ9	5.55	-1.24	0.29	6.06	-0.71	0.43	5.27	0.29	0.17	5.52	-0.15	0.56	7.16	-0.68	0.58	
		-0.31	0.03		-0.14	0.03		0.09	0.02		-0.03	0.03		-0.11	0.03	
G38DZP	5.58	-1.11	0.36	5.98	-1.14	0.40	4.73	-1.51	0.35	5.28	-1.29	0.47	7.29	0.15	0.51	
		-0.28	0.03		-0.22	0.03		-0.45	0.04		-0.27	0.03		0.02	0.03	
2724TW	5.60	-1.02	0.00	6.00	-1.04	0.00	4.70	-1.61	0.00	5.17	-1.85	1.08	7.20	-0.42	0.00	
		-0.25	0.00		-0.20	0.00		-0.48	0.00		-0.38	0.06		-0.07	0.00	
EQ8UCK	5.89	0.15	0.20	6.30	0.54	0.08	5.28	0.31	0.39	5.59	0.19	0.32	7.40	0.83	0.00	
		0.04	0.02		0.10	0.01		0.09	0.04		0.04	0.02		0.13	0.00	
TJJTCA	5.78	-0.28	0.24	6.06	-0.71	0.60	5.18	0.00	0.40	5.54	-0.05	1.29	7.33	0.42	2.20	
		-0.07	0.02		-0.14	0.05		0.00	0.04		-0.01	0.07		0.07	0.12	
WKLRZY	5.90	0.19	0.00	6.30	0.52	0.00	5.17	-0.06	0.56	5.60	0.24	0.00	7.40	0.83	0.00	
		0.05	0.00		0.10	0.00		-0.02	0.06		0.05	0.00		0.13	0.00	
3DGBJZ	5.11	-3.00		5.61	-3.06		4.36	-2.74		4.88	-3.24		7.05	-1.35		
		-0.74	0.00		-0.59	0.00		-0.82	0.00		-0.67	0.00		-0.22	0.00	
UH277Z	5.47	-1.56	2.27	6.14	-0.33	0.28	4.73	-1.51	1.33	5.76	1.00	2.86	7.12	-0.89	0.77	
		-0.39	0.19		-0.06	0.02		-0.45	0.14		0.21	0.15		-0.14	0.04	
CY8KWJ	5.86	0.01	0.38	6.22	0.12	0.08	5.11	-0.23	0.24	5.55	0.00	0.19	7.40	0.85	0.48	
		0.00	0.03		0.02	0.01		-0.07	0.03		0.00	0.01		0.14	0.03	
FHNX2J	6.09	0.97	0.58	6.44	1.26	0.76	5.49	1.03	2.82	5.61	0.31	1.59	7.34	0.48	1.27	
		0.24	0.05		0.24	0.06		0.31	0.29		0.06	0.09		0.08	0.07	
G6VVXG	5.77	-0.35	0.68	6.20	0.00	0.00	5.23	0.17	0.56	5.40	-0.73	0.00	7.27	0.00	1.10	
		-0.09	0.06		0.00	0.00		0.05	0.06		-0.15	0.00		0.00	0.06	
MH4PU2	5.86	0.03	1.22	6.26	0.32	0.61	5.32	0.44	0.23	5.65	0.50	1.80	7.24	-0.15	0.16	
		0.01	0.10		0.06	0.05		0.13	0.02		0.10	0.10		-0.02	0.01	
TYUGGX	5.99	0.54	2.46	6.36	0.85	4.07	5.00	-0.63	2.51	5.50	-0.23	0.73	7.11	-0.98	2.71	
		0.13	0.21		0.16	0.31		-0.19	0.26		-0.05	0.04		-0.16	0.14	
UEHDVX	5.51	-1.37	0.38	5.98	-1.16	0.41	4.77	-1.36	0.15	5.13	-2.02	0.39	6.95	-1.99	0.11	
		-0.34	0.03		-0.22	0.03		-0.41	0.02		-0.42	0.02		-0.32	0.01	
AMG7JH	5.85	0.00	0.47	6.16	-0.19	0.20	5.19	0.02	0.35	5.56	0.03	0.78	7.35	0.52	1.19	
		0.00	0.04		-0.04	0.02		0.01	0.04		0.01	0.04		0.08	0.06	
N8W8V4	5.93	0.31	0.00	6.25	0.28	0.15	5.24	0.18	0.20	5.68	0.61	0.11	7.21	-0.37	0.48	
		0.08	0.00		0.05	0.01		0.05	0.02		0.13	0.01		-0.06	0.03	
U6D7FX	5.91	0.21	0.07	6.29	0.48	0.08	5.28	0.31	0.22	5.61	0.29	0.32	7.37	0.66	0.22	
		0.05	0.01		0.09	0.01		0.09	0.02		0.06	0.02		0.11	0.01	
LDDTR6	5.82	-0.13	0.96	6.20	0.02	0.60	5.22	0.11	0.97	5.55	0.00	0.00	7.43	1.04	0.29	
		-0.03	0.08		0.00	0.05		0.03	0.10		0.00	0.00		0.17	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		
Grand Median		5.85			6.20			5.18			5.55			7.27	
Median Abs Dev		0.09			0.10			0.09			0.06			0.11	
Avg Within Lab SD		0.09			0.08			0.10			0.05			0.05	
Labs Included		19			19			19			19			19	
Labs Reporting		19			19			19			19			19	



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

pH (1:1) 0.01M CaCl ₂ (SubTestCode 117)	in the Soil pH & EC Property Groups															Data units: Unit
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	5.23	-0.40	1.34	5.73	0.18	0.53	4.19	0.55	0.69	4.92	-0.30	0.23	6.95	-0.16	1.67	
		-0.04	0.07		0.02	0.05		0.06	0.03		-0.02	0.01		-0.02	0.11	
6VRW4Y	5.34	0.78	2.67	5.68	-0.21	0.10	4.07	-0.71	0.47	4.92	-0.30	1.58	6.90	-0.50	0.74	
		0.08	0.14		-0.03	0.01		-0.07	0.02		-0.02	0.04		-0.06	0.05	
WZDPZ9	5.20	-0.75	0.11	5.66	-0.34	0.43	4.07	-0.71	0.47	4.94	-0.02	1.37	6.92	-0.39	0.63	
		-0.07	0.01		-0.04	0.04		-0.07	0.02		0.00	0.04		-0.05	0.04	
JXQR6N	5.22	-0.50	0.39	5.66	-0.39	0.31	4.09	-0.48	0.22	4.91	-0.44	0.60	7.01	0.34	0.41	
		-0.05	0.02		-0.05	0.03		-0.05	0.01		-0.03	0.02		0.04	0.03	
MXYZLE	5.29	0.23	0.39	5.70	-0.08	0.16	4.20	0.65	0.91	5.01	0.85	0.45	6.99	0.21	0.55	
		0.02	0.02		-0.01	0.02		0.07	0.04		0.06	0.01		0.03	0.04	
TJJTCA	5.14	-1.37	0.40	5.08	-4.82	3.42	3.95	-1.88	0.98	4.76	-2.50	1.48	6.48	-3.80	1.97	
		-0.13	0.02		-0.62	0.34		-0.19	0.04		-0.18	0.04		-0.48	0.13	
EPDALE	5.33	0.68	1.12	5.73	0.21	0.59	4.23	0.95	1.29	5.00	0.76		6.97	0.00	0.90	
		0.07	0.06		0.03	0.06		0.10	0.06		0.06	0.00		0.00	0.06	
LZAKW9	5.28	0.09	0.30	5.73	0.18	0.51	4.14	0.05	0.69	4.93	-0.16	1.80	7.09	0.94	0.74	
		0.01	0.02		0.02	0.05		0.01	0.03		-0.01	0.05		0.12	0.05	
U2UBC6	5.36	0.96	0.19	5.80	0.75	0.16	4.25	1.15	0.69	5.04	1.31	1.03	7.07	0.81	1.43	
		0.09	0.01		0.10	0.02		0.12	0.03		0.10	0.03		0.10	0.09	
7MTEJU	5.27	0.02	0.34	5.70	-0.03	0.12	4.11	-0.28	0.67	4.95	0.02	0.45	7.05	0.68	0.24	
		0.00	0.02		0.00	0.01		-0.03	0.03		0.00	0.01		0.09	0.02	
BCCJ6Q	5.20	-0.71	0.19	5.74	0.26	0.10	4.15	0.15	0.13	4.96	0.25	0.60	6.92	-0.34	0.50	
		-0.07	0.01		0.03	0.01		0.02	0.01		0.02	0.02		-0.04	0.03	
H4YZND	5.40	1.37	0.97	5.71	0.03	0.87	4.24	1.01	0.39	5.01	0.85	0.45	7.07	0.81	0.56	
		0.13	0.05		0.00	0.09		0.10	0.02		0.06	0.01		0.10	0.04	
LNK664	5.27	-0.02	1.12	5.80	0.72	0.00	4.13	-0.05	2.59	5.00	0.76		6.97	0.00	0.90	
		0.00	0.06		0.09	0.00		-0.01	0.12		0.06	0.00		0.00	0.06	
TYUGGX	5.12	-1.57	0.95	5.54	-1.27	0.51	4.06	-0.81	1.15	4.88	-0.93	1.33	6.91	-0.45	1.03	
		-0.15	0.05		-0.16	0.05		-0.08	0.05		-0.07	0.03		-0.06	0.07	
Grand Median		5.27		5.71			4.14			4.95			6.97			
Median Abs Dev		0.07		0.03			0.07			0.04			0.05			
Avg Within Lab SD		0.05		0.10			0.04			0.03			0.06			
Labs Included		14		14			14			14			14			
Labs Reporting		14		14			14			14			14			



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

pH (1:2) 0.01M CaCl ₂ (SubTestCode 118)	in the Soil pH & EC Property Groups												Data units: Unit		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
6VRW4Y	6.00	3.53	2.30	6.89	4.37	0.55	5.91	5.94	1.17	5.81	4.05	2.21	7.11	0.50	1.36
		0.77	0.18		1.19	0.03		1.80	0.04		0.84	0.09		0.12	0.06
WZDPZ9	5.18	-0.23	0.38	5.70	-0.03	0.73	4.06	-0.18	0.51	4.92	-0.20	0.51	6.99	-0.03	0.56
		-0.05	0.03		-0.01	0.04		-0.05	0.02		-0.04	0.02		-0.01	0.03
26RTZY	5.26	0.13	0.00	5.71	0.02	0.00	4.15	0.11	0.33	4.95	-0.06	0.14	7.00	0.03	0.22
		0.03	0.00		0.01	0.00		0.03	0.01		-0.01	0.01		0.01	0.01
TJJTCA	5.19	-0.17	0.39	5.88	0.65	3.00	4.07	-0.15	0.58	4.85	-0.54	1.15	6.49	-2.12	1.48
		-0.04	0.03		0.18	0.14		-0.05	0.02		-0.11	0.05		-0.50	0.07
UH277Z	5.01	-1.03	2.23	5.51	-0.72	0.55	4.15	0.11	1.67	4.81	-0.75	1.84	6.66	-1.43	2.32
		-0.22	0.17		-0.19	0.03		0.03	0.05		-0.16	0.08		-0.34	0.10
CY8KWJ	5.40	0.79	0.20	5.79	0.32	0.62	4.11	-0.03	0.51	5.00	0.17	0.24	7.18	0.79	0.22
		0.17	0.02		0.09	0.03		-0.01	0.02		0.04	0.01		0.19	0.01
2PWFGW	5.27	0.16	0.07	5.73	0.09	0.36	4.15	0.11	0.00	4.98	0.06	0.14	7.09	0.42	0.78
		0.04	0.01		0.03	0.02		0.03	0.00		0.01	0.01		0.10	0.04
MH4PU2	5.21	-0.09	0.68	5.70	-0.02	0.71	4.13	0.03	1.24	4.98	0.07	0.83	7.08	0.35	0.35
		-0.02	0.05		-0.01	0.03		0.01	0.04		0.01	0.03		0.08	0.02
TYUGGX	5.18	-0.23	0.68	5.59	-0.42	0.21	4.08	-0.11	1.62	4.92	-0.21	0.96	6.98	-0.05	0.67
		-0.05	0.05		-0.11	0.01		-0.03	0.05		-0.04	0.04		-0.01	0.03
UEHDVX	4.97	-1.21	0.07	5.38	-1.20	0.21	3.81	-1.01	0.58	4.65	-1.53	0.14	6.66	-1.42	0.22
		-0.26	0.01		-0.32	0.01		-0.31	0.02		-0.32	0.01		-0.33	0.01
N8W8V4	5.25	0.09	0.13	5.69	-0.05	0.42	4.08	-0.13	0.19	5.01	0.23	0.28	6.89	-0.42	0.52
		0.02	0.01		-0.01	0.02		-0.04	0.01		0.05	0.01		-0.10	0.02
LDDTR6	5.33	0.45	0.66	5.76	0.21	0.75	4.17	0.17	1.54	5.01	0.23	0.61	7.12	0.54	0.80
		0.10	0.05		0.06	0.04		0.05	0.05		0.05	0.03		0.13	0.04
Grand Median		5.23		5.70			4.12			4.97			6.99		
Median Abs Dev		0.05		0.07			0.04			0.05			0.11		
Avg Within Lab SD		0.08		0.05			0.03			0.04			0.04		
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 (1:5) H2O (SubTestCode 119)	in the Soil pH & EC Property Groups										Data units: dS/m
SRSSRS1411	SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415				
3DGBJZ	0.12		0.13		0.04		0.09		0.39		
		0.00		0.00		0.00		0.00		0.00	
Grand Median		0.12		0.13		0.040		0.09		0.39	
Median Abs Dev											
Avg Within Lab SD		0.00		0.00		0.000		0.00		0.00	
Labs Included		1		1		1		1		1	
Labs Reporting		1		1		1		1		1	



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

SMP Buffer pH (SubTestCode 121)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
QV2TTC	6.45	0.44	0.88	7.25	0.81	1.26	6.65	0.14	1.28	6.33	-0.22	0.88	7.33	0.65	1.05
		0.09	0.03		0.07	0.04		0.05	0.05		-0.05	0.02		0.04	0.03
WZDPZ9	6.19	-0.90	1.51	7.12	-0.65	1.25	6.15	-1.35	1.30	6.24	-0.66	1.36	7.21	-1.54	1.27
		-0.18	0.05		-0.06	0.04		-0.45	0.05		-0.14	0.03		-0.09	0.03
GUGULG	6.30	-0.32	0.29	7.06	-1.38	0.36	6.27	-0.98	0.43	6.22	-0.72	1.29	7.24	-0.89	1.21
		-0.06	0.01		-0.12	0.01		-0.33	0.02		-0.16	0.03		-0.05	0.03
2724TW	6.50	0.69		7.20	0.27	0.00	6.60	0.00	0.00	6.50	0.55		7.30	0.12	0.00
		0.14	0.00		0.02	0.00		0.00	0.00		0.12	0.00		0.01	0.00
MXYZLE	6.25	-0.58	0.78	7.09	-1.00	0.31	6.63	0.09	0.49	6.62	1.12	0.88	7.40	1.84	0.23
		-0.11	0.03		-0.09	0.01		0.03	0.02		0.24	0.02		0.10	0.01
WKLRZY	6.62	1.32	1.70	7.26	0.92	1.80	6.72	0.37	1.64	6.79	1.89	0.00	7.32	0.53	2.28
		0.26	0.06		0.08	0.06		0.12	0.06		0.41	0.00		0.03	0.06
7PG2YN	6.68	1.61	0.88	7.25	0.85	0.31	6.92	0.95	0.16	6.62	1.09	0.24	7.25	-0.77	0.40
		0.32	0.03		0.07	0.01		0.32	0.01		0.24	0.01		-0.04	0.01
LZAKW9	6.36	0.00	1.39	7.19	0.15	1.56	6.66	0.19	1.28	6.41	0.14	1.12	7.29	0.00	1.00
		0.00	0.05		0.01	0.05		0.06	0.05		0.03	0.03		0.00	0.03
BCCJ6Q	6.46	0.47	0.61	7.15	-0.35	0.48	6.59	-0.03	0.28	6.38	0.00	0.85	7.29	-0.06	0.40
		0.09	0.02		-0.03	0.02		-0.01	0.01		0.00	0.02		0.00	0.01
2PWFGW	6.25	-0.59	0.17	7.18	0.00	0.18	6.24	-1.07	0.33	6.35	-0.12	0.24	7.27	-0.47	0.23
		-0.12	0.01		0.00	0.01		-0.36	0.01		-0.03	0.01		-0.03	0.01
QGYAAZ	6.27	-0.49	1.11	7.09	-1.04	1.26	5.85	-2.24	1.64	6.19	-0.89	1.96	7.32	0.53	0.46
		-0.10	0.04		-0.09	0.04		-0.75	0.06		-0.19	0.05		0.03	0.01
Grand Median		6.36		7.18			6.60			6.38			7.29		
Median Abs Dev		0.11		0.07			0.12			0.14			0.03		
Avg Within Lab SD		0.03		0.03			0.04			0.02			0.03		
Labs Included		11		11			11			11			11		
Labs Reporting		11		11			11			11			11		



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

	Sikora Buffer pH (SubTestCode 122)			in the Buffer pH, Lime Requirement Property Groups									Data units: Unit		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	6.67	0.83	1.53	7.33	1.25	1.66	6.70	0.66	1.61	6.57	0.63	1.84	7.40	2.26	0.00
		0.21	0.06		0.18	0.06		0.27	0.10		0.17	0.06		0.20	0.00
RFZGXD	6.60	0.57	0.00	7.23	0.54	1.66	4.63	-4.34	0.93	6.47	0.25	1.84	7.17	-0.38	1.69
		0.15	0.00		0.08	0.06		-1.79	0.06		0.07	0.06		-0.03	0.06
JXQR6N	6.46	0.03	0.27	7.13	-0.19	0.57	6.37	-0.15	0.25	6.29	-0.41	0.55	7.18	-0.19	0.94
		0.01	0.01		-0.03	0.02		-0.06	0.02		-0.11	0.02		-0.02	0.03
T9XRTE	6.37	-0.34	1.53	7.07	-0.64	1.66	6.27	-0.39	0.93				7.07	-1.51	1.69
		-0.09	0.06		-0.09	0.06		-0.16	0.06					-0.13	0.06
G38DZP	6.72	1.03	0.41	7.39	1.65	0.76	6.71	0.69	0.56	6.82	1.58	0.55	7.40	2.23	0.94
		0.26	0.02		0.23	0.03		0.29	0.04		0.42	0.02		0.20	0.03
BMDY2M	6.45	0.00	0.81	7.07	-0.61	0.76	6.43	0.00	0.65	6.45	0.19	0.32	7.17	-0.30	1.32
		0.00	0.03		-0.09	0.03		0.00	0.04		0.05	0.01		-0.03	0.05
EQ8UCK	6.45	-0.01	0.46	7.22	0.47	0.17	6.30	-0.31	0.16	6.39	-0.05	0.18	7.26	0.64	0.45
		0.00	0.02		0.07	0.01		-0.13	0.01		-0.01	0.01		0.06	0.02
EPDALE	6.43	-0.08	1.53	7.10	-0.40	0.00	6.30	-0.31	0.00	6.40	0.00	0.00	7.20	0.00	0.00
		-0.02	0.06		-0.06	0.00		-0.13	0.00		0.00	0.00		0.00	0.00
WKLRZY	6.63	0.70	1.53	7.27	0.78	1.66	6.73	0.74	0.93	6.80	1.51	0.00	7.33	1.51	1.69
		0.18	0.06		0.11	0.06		0.31	0.06		0.40	0.00		0.13	0.06
9GXLYQ	7.25	3.11		6.71	-3.17		6.49	0.15		6.43	0.11		7.10	-1.13	
		0.80	0.00		-0.45	0.00		0.06	0.00		0.03	0.00		-0.10	0.00
PM96DA	6.36	-0.38	1.07				6.44	0.04	0.61	6.45	0.18	1.47			
		-0.10	0.04					0.02	0.04		0.05	0.05			
7MTEJU	6.45	-0.03	0.67	7.17	0.12	0.17	6.40	-0.06	0.49	6.24	-0.60	0.84	7.22	0.19	0.74
		-0.01	0.03		0.02	0.01		-0.02	0.03		-0.16	0.03		0.02	0.03
JTEQYJ	7.44	3.86	0.41				7.86	3.46	2.46	7.48	4.07	2.09			
		0.99	0.02					1.43	0.15		1.08	0.07			
Q7GPP4	6.39	-0.25	0.27	7.16	0.00	0.17	6.48	0.14	0.09	6.27	-0.49	0.00	7.18	-0.19	0.17
		-0.06	0.01		0.00	0.01		0.06	0.01		-0.13	0.00		-0.02	0.01
QQL8Z6	6.32	-0.51	0.41	7.12	-0.24	0.17	6.14	-0.69	0.16	6.31	-0.33	0.18	7.21	0.15	0.17
		-0.13	0.02		-0.03	0.01		-0.29	0.01		-0.09	0.01		0.01	0.01
7G8JHQ	6.47	0.05	1.53	7.13	-0.17	1.66	6.43	0.02	2.45	6.30	-0.38	0.00	7.23	0.38	1.69
		0.01	0.06		-0.02	0.06		0.01	0.15		-0.10	0.00		0.03	0.06
EWPAWH	6.40	-0.21	0.27	7.17	0.12	0.17	6.42	-0.01	0.52	6.27	-0.49	0.00	7.23	0.34	0.29
		-0.05	0.01		0.02	0.01		0.00	0.03		-0.13	0.00		0.03	0.01
RUHB6W	6.50	0.18		7.20	0.31	0.00	6.50	0.18		6.40	0.00	0.00	7.20	0.00	0.00
		0.05	0.00		0.04	0.00		0.07	0.00		0.00	0.00		0.00	0.00
WEPC6W	6.29	-0.65	2.03	7.04	-0.80	1.29	6.23	-0.48	0.16	6.17	-0.88	1.81	7.19	-0.08	1.11
		-0.17	0.08		-0.11	0.05		-0.20	0.01		-0.23	0.06		-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		
Grand Median	6.45			7.16			6.43			6.40			7.20		
Median Abs Dev	0.09			0.07			0.13			0.11			0.03		
Avg Within Lab SD	0.04			0.03			0.06			0.03			0.03		
Labs Included	19			17			19			18			17		
Labs Reporting	19			17			19			18			17		



ALP Program - Participant Web Summary Report - Cycle 25

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

Adams-Evans Buffer pH (SubTestCode 123)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
RVVXMC	7.22	-0.73	0.00	7.74	-0.72	0.65	7.33	-1.40	0.56	7.22	-0.73	0.22	7.06	-2.84	0.72
		-0.10	0.00		-0.04	0.01		-0.22	0.01		-0.11	0.01		-0.57	0.01
QV2TTC	7.58	1.91	0.87	7.86	1.57	0.65	7.73	1.12	0.86	7.51	1.19	1.92	7.69	0.26	1.24
		0.26	0.01		0.09	0.01		0.18	0.02		0.18	0.05		0.05	0.02
MXYZLE	7.40	0.61	1.32	7.82	0.78	1.94	7.60	0.32	1.69	7.46	0.86	0.94	7.67	0.18	0.95
		0.08	0.02		0.04	0.02		0.05	0.03		0.13	0.03		0.04	0.02
24X99T	7.32	0.00	1.50	7.78	0.00	0.65	7.47	-0.53	0.33	7.24	-0.60	0.22	7.64	0.00	0.95
		0.00	0.02		0.00	0.01		-0.08	0.01		-0.09	0.01		0.00	0.02
LQ2XXG	7.30	-0.12	0.50	7.76	-0.30	0.00	7.55	0.00	0.98	7.33	0.00	0.57	7.62	-0.08	1.07
		-0.02	0.01		-0.02	0.00		0.00	0.02		0.00	0.02		-0.02	0.02
Grand Median	7.32			7.78			7.55			7.33			7.64		
Median Abs Dev	0.08			0.04			0.08			0.11			0.04		
Avg Within Lab SD	0.01			0.01			0.02			0.03			0.02		
Labs Included	5			5			5			5			5		
Labs Reporting	5			5			5			5			5		



ALP Program - Participant Web Summary Report - Cycle 25

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

Woodruff Buffer pH (SubTestCode 124)	in the Buffer pH, Lime Requirement Property Groups												Data units: Unit		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
QV2TTC	6.33	-0.08	0.51	6.84	-0.25	0.91	6.46	0.71	0.98	6.33	0.20	1.53	6.98	-0.33	0.39
		-0.01	0.04		-0.01	0.01		0.10	0.04		0.03	0.07		-0.03	0.01
6VRW4Y	6.13	-2.57	2.65	6.80	-0.87	1.21	6.10	-1.79	1.42	5.98	-2.10	2.10	7.11	1.23	1.49
		-0.20	0.18		-0.05	0.02		-0.25	0.05		-0.32	0.09		0.10	0.04
JXQR6N	6.35	0.26	0.11	6.87	0.37	1.22	6.28	-0.52	0.33	6.22	-0.50	0.31	6.91	-1.17	0.97
		0.02	0.01		0.02	0.02		-0.07	0.01		-0.08	0.01		-0.10	0.02
26RTZY	6.31	-0.34	0.30	6.85	0.00	0.00	6.36	0.00	0.80	6.30	0.00	0.23	7.03	0.25	0.23
		-0.03	0.02		0.00	0.00		0.00	0.03		0.00	0.01		0.02	0.01
MXYZLE	6.37	0.42	0.37	6.86	0.19	0.79	6.47	0.82	0.16	6.45	0.99	0.23	7.05	0.49	0.23
		0.03	0.03		0.01	0.01		0.12	0.01		0.15	0.01		0.04	0.01
9KKUUL	6.33	0.00	0.84	7.00	2.79		6.47	0.78	1.60	6.30	0.00	0.00	7.10	1.14	0.00
		0.00	0.06		0.15	0.00		0.11	0.06		0.00	0.00		0.09	0.00
EPDALE	6.33	0.00	0.84	6.80	-0.93	0.00	6.33	-0.16	1.60	6.37	0.44	1.35	6.97	-0.49	2.27
		0.00	0.06		-0.05	0.00		-0.02	0.06		0.07	0.06		-0.04	0.06
7MTEJU	6.25	-1.09	0.08	6.88	0.50	1.99	6.26	-0.68	0.28	6.03	-1.75	0.36	6.93	-0.98	0.60
		-0.09	0.01		0.03	0.03		-0.10	0.01		-0.27	0.02		-0.08	0.02
BCCJ6Q	6.44	1.30	0.22	6.84	-0.19	0.79	6.44	0.61	0.16	6.31	0.09	0.36	7.01	0.00	0.23
		0.10	0.02		-0.01	0.01		0.09	0.01		0.01	0.02		0.00	0.01
Grand Median		6.33		6.85			6.36			6.30			7.01		
Median Abs Dev		0.03		0.02			0.10			0.07			0.04		
Avg Within Lab SD		0.07		0.01			0.04			0.04			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		

Mehlich Buffer pH (SubTestCode 125)	in the Buffer pH, Lime Requirement Property Groups										Data units: Unit
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
EPDALE	6.00		6.40	0.00	5.83	1.57	5.80	0.00	6.60	0.00	
		0.00		0.00		0.06		0.00		0.00	
LZAKW9	6.39		7.13	0.09	6.39	0.72	6.29	0.09	7.20	1.41	
		1.41		0.01		0.03		0.01		0.04	
LNK664	6.00		6.33	1.73	6.00		5.73	1.73			
		0.00		0.12		0.00		0.12			
Grand Median		6.00		6.40		6.00		5.80		6.90	
Median Abs Dev											
Avg Within Lab SD		0.02		0.07		0.04		0.07		0.02	
Labs Included		3		3		3		3		2	
Labs Reporting		3		3		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		

NO3-N Cd. Rd. (SubTestCode 126)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups															Data units: mg/kg	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
PD3DTL	27.5	0.6	0.4	37.5	-0.4	0.4	3.0	0.4		24.7	-0.5	0.6	58.7	-0.1	0.7		
		2.1	0.5		-2.1	0.5		0.5	0.0		-2.1	0.6		-0.5	1.0		
QV2TTC	31.3	1.7	3.2	46.1	1.1	0.2	2.9	0.3	1.8	32.1	1.3	2.9	68.2	1.1	1.6		
		5.9	4.4		6.5	0.3		0.4	0.6		5.4	2.6		9.0	2.3		
4FGU6Y	25.4	0.0	0.2	41.5	0.3	0.7	2.7	0.2	1.1	26.3	-0.1	0.7	64.9	0.7	0.8		
		0.0	0.2		1.9	0.8		0.2	0.3		-0.4	0.6		5.8	1.1		
RFZGXD	32.8	2.1	0.1	49.0	1.6	0.1	4.2	1.4	0.0	33.5	1.6	0.4	72.9	1.7	0.4		
		7.4	0.1		9.5	0.2		1.7	0.0		6.8	0.4		13.8	0.6		
6VRW4Y	32.3	2.0	2.0	47.2	1.3	2.1	2.0	-0.4	0.3	33.3	1.6	1.6	60.0	0.1	1.5		
		7.0	2.8		7.6	2.7		-0.5	0.1		6.6	1.5		0.8	2.1		
L2ZREK	24.9	-0.1	0.3	37.0	-0.4	0.2	2.1	-0.3	0.3	24.8	-0.5	0.1	57.3	-0.2	0.3		
		-0.5	0.4		-2.5	0.3		-0.4	0.1		-1.9	0.1		-1.8	0.4		
WZDPZ9	23.1	-0.7	1.0	36.4	-0.5	1.1	2.9	0.3	1.6	23.6	-0.8	0.9	54.2	-0.6	2.3		
		-2.3	1.4		-3.2	1.4		0.4	0.5		-3.2	0.8		-4.9	3.3		
JXQR6N	27.3	0.6	1.5	43.3	0.6	1.8	3.3	0.6	3.1	29.0	0.5	1.1	65.3	0.8	1.1		
		2.0	2.1		3.8	2.3		0.8	1.0		2.3	1.0		6.2	1.5		
T9XRTE	25.3	0.0	0.3	42.4	0.5	0.4	4.6	1.7	1.5				57.2	-0.3	0.5		
		-0.1	0.4		2.8	0.5		2.1	0.5					-2.0	0.7		
G38DZP	25.7	0.1	0.4	44.0	0.8	0.8	2.3	-0.1	1.9	27.3	0.1	0.6	66.7	0.9	1.1		
		0.3	0.6		4.4	1.0		-0.2	0.6		0.6	0.6		7.5	1.5		
GUGULG	26.4	0.3	0.6	42.7	0.5	1.2	6.0	2.9	2.0	35.5	2.1	1.1	70.5	1.4	0.7		
		1.0	0.8		3.1	1.5		3.5	0.6		8.7	1.0		11.3	1.0		
BMDY2M	27.3	0.6	1.0	46.0	1.1	0.8	2.0	-0.4	0.1	29.4	0.6	0.9	61.4	0.3	1.5		
		2.0	1.4		6.5	1.0		-0.5	0.0		2.7	0.8		2.3	2.2		
2724TW	25.3	0.0	0.2	35.2	-0.8	0.3	3.4	0.7	1.3	25.8	-0.2	0.3	59.8	0.1	0.2		
		-0.1	0.3		-4.4	0.4		0.9	0.4		-1.0	0.3		0.6	0.3		
B9GHCN	24.3	-0.3	0.2	36.7	-0.5	0.4	2.8	0.3	0.9	27.7	0.2	0.6	57.7	-0.2	0.8		
		-1.0	0.3		-2.9	0.6		0.3	0.3		0.9	0.6		-1.5	1.2		
CVNF9M	27.0	0.5	0.5	39.3	-0.1	0.9	2.4	-0.1	0.4	26.6	0.0	0.7	59.2	0.0	0.8		
		1.6	0.7		-0.3	1.2		-0.1	0.1		-0.1	0.6		0.0	1.2		
MXYZLE	24.7	-0.2	0.8	37.3	-0.4	0.0	1.3	-0.9	0.2	24.5	-0.5	0.5	56.4	-0.3	0.5		
		-0.7	1.1		-2.3	0.0		-1.2	0.1		-2.2	0.4		-2.8	0.7		
CLYU3N	27.3	0.5	0.3	40.1	0.1	0.1	5.0	2.1	1.6	29.4	0.6	1.2	64.0	0.6	0.3		
		1.9	0.5		0.5	0.1		2.5	0.5		2.6	1.1		4.8	0.4		
324YCW	32.9	2.1	0.2	47.7	1.4	0.2	3.5	0.8	0.2	32.5	1.4	0.2	67.0	1.0	0.1		
		7.5	0.3		8.1	0.3		1.0	0.1		5.7	0.2		7.8	0.1		
JWV7DH	26.5	0.3	3.0	41.7	0.4	2.6	2.1	-0.4	1.7	29.0	0.5	1.2	64.2	0.6	2.3		
		1.2	4.1		2.1	3.4		-0.4	0.5		2.3	1.1		5.0	3.3		
9KKUUL	22.5	-0.8	0.4	39.6	0.0	0.4	2.3	-0.2	0.3	26.3	-0.1	1.2	58.3	-0.1	0.2		
		-2.8	0.5		0.0	0.6		-0.2	0.1		-0.4	1.1		-0.8	0.2		



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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
24X99T	24.4	-0.3	0.5	33.7	-1.0	0.8	1.4	-0.9	0.3	23.1	-0.9	0.2	43.8	-1.9	0.6
EPDALE	28.0	-1.0	0.7	40.3	-5.8	1.1	3.0	-1.1	0.1	26.0	-3.6	0.2	58.7	-15.4	0.8
B8MWKH	26.1	0.8	2.5	37.2	0.1	3.1	2.8	0.4	0.0	27.4	-0.2	1.9	57.2	-0.1	1.5
LZAKW9	24.2	2.6	3.5	37.7	-0.4	4.0	2.0	0.2	0.0	24.6	-0.7	1.7	58.8	-0.5	2.1
J4HWZD	24.8	0.2	0.0	41.8	-2.4	0.0	5.8	0.3	0.0	29.2	0.2	0.0	62.3	-2.0	0.0
U2UBC6	24.4	-0.3	0.3	36.6	-0.3	0.3	2.5	-0.4	0.0	24.7	-0.5	0.2	55.5	0.0	0.3
PM96DA	30.0	-1.1	0.4	48.3	-1.9	0.4	2.7	-0.5	0.0	31.2	-2.2	0.2	71.9	-0.3	0.4
V7GHA4	22.2	-0.2	0.3	37.5	0.4	1.0	1.8	2.6	0.9	24.4	0.6	0.2	62.3	0.4	0.7
LQ2XXG	23.3	-0.6	0.4	35.3	2.3	1.3	2.0	3.3	0.3	27.7	2.4	0.2	50.0	3.1	1.0
3DGBJZ	6.6	-0.3	0.1	9.4	-0.5	0.3	0.6	0.0	0.2	6.8	-0.5	0.5	13.9	-0.5	0.6
HPCTQC	25.6	-1.0	0.2	38.4	-3.0	0.4	2.5	0.0	0.1	25.6	-2.0	0.4	58.3	-3.7	0.8
7G8JHQ	26.3	1.3	0.1	42.1	1.5	0.8	2.1	0.2	0.3	26.9	1.1	0.2	58.9	1.6	1.1
EWPAWH	25.2	4.6	0.1	41.2	8.7	1.0	1.9	0.2	0.1	26.6	4.5	0.2	62.8	12.8	1.6
FHNX2J	24.9	-0.9	0.0	39.5	-0.4	0.0	2.4	-0.5	0.0	26.9	-0.6	0.0	55.5	0.4	0.1
2PWFGW	26.5	-3.2	0.0	39.6	-2.1	0.0	2.5	-0.7	0.0	26.2	-2.4	0.0	60.1	3.1	0.2
LNK664	23.7	-0.6	0.4	43.0	-0.7	0.9	2.0	-0.4	0.0	29.3	0.2	0.6	61.3	-1.1	1.4
ABNPUG	27.2	-2.0	0.6	40.1	-4.2	1.2	5.8	-0.5	0.0	28.4	0.9	0.6	60.5	-9.2	2.0
AMG7JH	24.6	-5.4	0.0	36.1	-5.2	0.0	2.5	-1.5	0.0	24.5	-4.8	0.0	54.3	-5.7	0.0
WEPC6W	23.9	-18.8	0.0	34.9	-30.2	0.0	2.0	-1.9	0.0	23.5	-19.9	0.0	51.5	-45.3	0.0
		0.1	0.0		-0.2	0.0		0.0	0.0		-0.3	0.0		-0.1	0.1
		0.2	0.1		-1.2	0.1		0.0	0.0		-1.1	0.0		-0.9	0.2
		0.3	0.3		0.4	0.7		-0.3	0.7		0.0	0.8		0.0	1.1
		0.9	0.4		2.6	0.9		-0.4	0.2		0.1	0.7		-0.3	1.6
		-0.1	0.2		0.3	0.2		-0.4	0.4		0.0	0.1		0.5	0.2
		-0.2	0.3		1.6	0.3		-0.6	0.1		-0.1	0.1		3.7	0.3
		-0.1	0.5		0.0	0.5		-0.1	0.6		0.0	2.1		-0.5	1.4
		-0.4	0.7		-0.1	0.7		-0.1	0.2		0.1	2.0		-3.7	1.9
		0.3	0.1		0.0	0.0		0.0	0.1		-0.1	0.2		0.1	0.2
		1.1	0.2		0.0	0.0		0.0	0.0		-0.6	0.2		0.9	0.3
		-0.5	0.4		0.6	1.3					0.6	2.3		0.3	0.4
		-1.7	0.6		3.4	1.7					2.6	2.1		2.2	0.6
		0.5			0.1			2.7			0.4			0.2	
		1.8	0.0		0.5	0.0		3.3	0.0		1.7	0.0		1.3	0.0
		-0.2	0.2		-0.6	0.6		0.0	0.2		-0.5	0.1		-0.6	0.4
		-0.8	0.3		-3.5	0.8		0.0	0.1		-2.2	0.1		-4.9	0.6
		-0.4	1.3		-0.8	1.7		-0.4	0.3		-0.8	1.1		-1.0	2.0
		-1.5	1.8		-4.7	2.2		-0.5	0.1		-3.2	1.0		-7.7	2.8



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		25.4			39.6			2.50			26.7			59.2	
Median Abs Dev		1.2			2.8			0.49			2.2			3.1	
Avg Within Lab SD		1.4			1.3			0.31			0.9			1.4	
Labs Included		39			39			38			38			39	
Labs Reporting		39			39			38			38			39	



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

NO3-N ISE (SubTestCode 127)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
	SRSSRS1411	SRSSRS1412	SRSSRS1413	SRSSRS1414	SRSSRS1415										
C2ET8P	25.1	0.4	0.3	38.6	-0.1	0.8	4.1	0.4	1.5	25.8	0.2	1.1	57.7	0.0	0.7
		1.0	0.5		-0.4	1.4		0.9	0.6		1.1	1.1		0.0	1.5
WKLRZY	25.0	0.3	1.0	48.4	1.7	1.3	4.7	0.7	1.7	29.3	0.9	1.9	70.2	1.0	0.2
		0.9	1.7		9.4	2.3		1.4	0.7		4.7	2.0		12.5	0.4
BCCJ6Q	17.1	-2.5	0.1	43.7	0.9	0.1	5.7	1.3	0.3	23.8	-0.2	0.1	49.7	-0.6	0.2
		-7.0	0.2		4.7	0.3		2.5	0.1		-0.8	0.1		-7.9	0.4
QQL8Z6	24.1	0.0	0.2	39.0	0.0	0.1	2.3	-0.4	0.3	30.6	1.2	0.3	72.0	1.1	0.0
		0.0	0.3		0.0	0.2		-0.9	0.1		5.9	0.3		14.4	0.1
RUHB6W	24.7	0.2	0.7	42.0	0.5		2.0	-0.6		24.7	0.0	1.1	68.3	0.8	0.3
		0.6	1.2		3.0	0.0		-1.2	0.0		0.0	1.2		10.7	0.6
FVERDC	21.7	-0.9	2.2	33.0	-1.1	2.1	2.1	-0.6	0.8	19.3	-1.1	0.7	50.4	-0.6	0.6
		-2.4	3.7		-6.0	3.7		-1.1	0.3		-5.4	0.7		-7.3	1.4
TEKLNQ	22.9	-0.4	0.9	36.3	-0.5	0.7				19.4	-1.1	0.4	49.2	-0.7	2.5
		-1.2	1.5		-2.7	1.2					-5.3	0.4		-8.4	5.3
Grand Median		24.1		39.0			3.21			24.7			57.7		
Median Abs Dev		1.0		3.0			1.16			4.7			8.4		
Avg Within Lab SD		1.7		1.8			0.41			1.0			2.2		
Labs Included		7		7			6			7			7		
Labs Reporting		7		7			6			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		

NO3-N CTA (SubTestCode 128)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
RVVXMC	25.0	-0.5	0.4	39.0	0.1		2.3	-0.4	0.1	26.0	0.0		51.3	-0.5	1.1
		-3.0	1.0		0.3	0.0		-1.2	0.3		0.0	0.0		-6.6	1.5
EQ8UCK	23.1	-0.9	0.5	33.0	-1.3	0.1	2.7	-0.3	0.0	22.6	-1.2	0.1	43.0	-1.2	0.3
		-4.9	1.3		-5.6	0.2		-0.8	0.1		-3.4	0.0		-14.9	0.5
4DAFEK	31.0	0.5		38.3	-0.1	0.5	4.3	0.3	0.2	26.0	0.0		64.7	0.5	0.8
		3.0	0.0		-0.3	0.6		0.8	0.6		0.0	0.0		6.8	1.2
QGYAAZ	32.0	0.7	1.9	44.4	1.3	1.7	8.6	1.7	2.0	30.3	1.5	1.7	64.4	0.5	1.5
		4.0	5.1		5.7	1.9		5.1	6.6		4.3	0.6		6.6	2.1
Grand Median		28.0		38.7			3.53			26.0			57.9		
Median Abs Dev		3.5		3.0			1.00			1.7			6.7		
Avg Within Lab SD		2.7		1.2			3.31			0.3			1.4		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

NO3-N Ion Chr. (SubTestCode 129)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
829WQN	43.2	1.4	59.9	1.4	3.2	1.4	42.9	1.3	104.5	1.4	
		4.2		2.4		2.5		1.3		2.4	
LDDTR6	26.3	0.3	39.0	0.4	2.1	0.1	25.9	0.5	61.0	0.2	
		1.0		0.6		0.1		0.5		0.4	
Grand Median		34.7		49.4		2.67		34.4		82.8	
Median Abs Dev											
Avg Within Lab SD		3.0		1.7		1.76		1.0		1.7	
Labs Included		2		2		2		2		2	
Labs Reporting		2		2		2		2		2	



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

	NH4 - N (KCl Extr.) (SubTestCode 130)			in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups									Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	6.9	0.5	0.1	35.6	0.1	0.2	41.8	0.3	0.4	9.5	-0.1	0.7	21.2	0.1	0.2
		1.9	0.0		0.7	0.3		3.8	0.4		-0.2	0.4		0.7	0.2
RVVXMC	6.4	0.4	0.3	38.3	0.6	0.2	27.7	-0.9	0.9	9.7	0.0	0.2	16.7	-0.6	0.1
		1.5	0.2		3.4	0.3		-10.4	1.2		0.0	0.1		-3.8	0.1
6VRW4Y	2.4	-0.6	0.3	15.9	-3.2	0.1	12.2	-2.3	0.0	6.2	-1.0	0.2	11.3	-1.5	0.5
		-2.6	0.2		-19.0	0.2		-25.9	0.1		-3.5	0.1		-9.2	0.6
L2ZREK	4.4	-0.1	0.2	36.0	0.2	0.1	42.3	0.4	0.5	9.3	-0.1	0.1	20.9	0.1	0.2
		-0.5	0.1		1.1	0.1		4.2	0.6		-0.4	0.1		0.4	0.2
WZDPZ9	6.8	0.4	0.8	38.1	0.5	0.4	45.8	0.7	1.0	11.3	0.5	1.0	23.7	0.5	0.9
		1.8	0.4		3.2	0.6		7.7	1.2		1.6	0.6		3.2	1.0
JXQR6N	4.0	-0.2	2.1	38.7	0.6	0.9	36.2	-0.2	1.2	9.3	-0.1	1.5	21.6	0.2	1.6
		-0.9	1.1		3.8	1.4		-1.8	1.5		-0.4	0.9		1.1	1.8
G38DZP	7.7	0.6	1.1	38.3	0.6	1.9	29.3	-0.8	1.2	13.0	1.0	1.8	26.0	0.9	1.6
		2.7	0.6		3.4	3.1		-8.7	1.5		3.3	1.0		5.5	1.7
2724TW	7.6	0.6	0.3	31.9	-0.5	0.3	42.0	0.3	0.4	12.4	0.8	0.2	23.9	0.6	0.4
		2.7	0.2		-3.0	0.4		3.9	0.5		2.7	0.1		3.4	0.4
EQ8UCK	4.2	-0.2	0.1	30.7	-0.7	0.4	35.5	-0.2	0.2	8.0	-0.5	0.3	16.6	-0.6	0.3
		-0.8	0.1		-4.2	0.6		-2.6	0.2		-1.7	0.2		-3.9	0.3
324YCW	4.6	-0.1	0.4	30.5	-0.7	0.7	34.1	-0.3	0.1	10.5	0.3	0.3	19.3	-0.2	0.4
		-0.4	0.2		-4.4	1.1		-3.9	0.2		0.8	0.2		-1.2	0.4
9KKUUL	5.4	0.1	0.8	39.4	0.7	0.5	32.0	-0.5	0.6	10.6	0.3	1.0	22.1	0.3	0.6
		0.5	0.4		4.5	0.8		-6.1	0.8		0.9	0.6		1.6	0.7
24X99T	4.6	-0.1	0.6	34.0	-0.1	2.2	23.5	-1.3	0.6	10.5	0.2	0.3	18.5	-0.3	0.8
		-0.3	0.3		-0.9	3.4		-14.5	0.7		0.8	0.2		-2.0	0.9
B8MWKH	3.7	-0.3		34.5	-0.1		53.3	1.3		9.7	0.0		8.2	-2.0	
		-1.2	0.0		-0.4	0.0		15.2	0.0		0.0	0.0		-12.3	0.0
LZAKW9	4.4	-0.1	0.1	34.6	0.0	0.3	38.6	0.0	0.2	9.8	0.0	0.4	20.1	-0.1	0.4
		-0.6	0.1		-0.3	0.4		0.5	0.2		0.1	0.2		-0.4	0.4
U2UBC6	4.2	-0.2	0.2	32.4	-0.4	0.2	41.0	0.3	0.7	7.9	-0.5	0.5	16.3	-0.7	0.4
		-0.8	0.1		-2.5	0.3		2.9	0.8		-1.7	0.3		-4.3	0.4
V7GHA4	1.3	-0.9	0.0	27.8	-1.2	0.1	23.9	-1.2	0.0	5.8	-1.2	0.0	13.9	-1.1	0.1
		-3.6	0.0		-7.1	0.1		-14.2	0.0		-3.9	0.0		-6.6	0.1
PXPUCE	7.5	0.6	0.7	38.1	0.5	3.0	40.9	0.3	2.1	12.8	0.9	1.6	23.2	0.4	1.1
		2.5	0.4		3.2	4.8		2.9	2.6		3.1	0.9		2.7	1.2
3DGBJZ	40.2	8.4		50.7	2.6		68.9	2.7		33.7	7.1		49.6	4.7	
		35.3	0.0		15.7	0.0		30.8	0.0		24.0	0.0		29.0	0.0
HPCTQC	6.1	0.3	0.0	34.0	-0.1	0.1	40.3	0.2	0.1	9.5	-0.1	0.1	20.6	0.0	0.1
		1.2	0.0		-0.9	0.1		2.3	0.1		-0.2	0.1		0.0	0.1
EWPAWH	4.2	-0.2	0.0	36.1	0.2	0.2	30.7	-0.6	0.2	9.3	-0.1	0.2	20.8	0.0	0.3
		-0.8	0.0		1.1	0.3		-7.4	0.3		-0.4	0.1		0.3	0.3



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
FHNX2J	9.4	1.0	3.7	40.1	0.9	0.6	45.3	0.6	2.3	13.5	1.1	2.7	25.4	0.8	2.4
		4.4	1.9		5.2	1.0		7.3	2.8		3.8	1.5		4.9	2.7
2PWFGW	4.6	-0.1	0.3	35.2	0.0	0.3	40.1	0.2	0.1	9.6	0.0	0.1	20.5	0.0	0.1
		-0.3	0.1		0.3	0.5		2.0	0.1		-0.1	0.0		0.0	0.1
AMG7JH	5.4	0.1	0.0	28.1	-1.1	0.5	32.0	-0.5	0.3	9.4	-0.1	0.1	18.0	-0.4	0.1
		0.5	0.0		-6.8	0.7		-6.1	0.3		-0.3	0.1		-2.5	0.2
WEPC6W	5.3	0.1	1.4	33.2	-0.3	1.9	37.5	0.0	2.7	10.1	0.1	2.3	19.9	-0.1	3.0
		0.3	0.8		-1.7	3.0		-0.5	3.3		0.4	1.3		-0.6	3.3
Grand Median		4.95			34.9			38.1			9.69			20.5	
Median Abs Dev		1.06			3.2			5.1			0.84			2.6	
Avg Within Lab SD		0.52			1.6			1.2			0.56			1.1	
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		

Amino Nitrogen (SubTestCode 131)	in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg
SRSSRS1411	SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415				
829WQN	212.5	1.0	119.2	1.0	155.0	1.0	130.8	1.0	170.0	1.0	
	4.3		5.2		2.5		5.2		8.7		
Grand Median	212.5		119.2		155.0		130.8		170.0		
Median Abs Dev											
Avg Within Lab SD	4.3		5.2		2.5		5.2		8.7		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

PO4-P Bray P1 (1:10) (SubTestCode 132)			in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415					
QV2TTC	329.0	-0.2	1.2	94.7	0.2	1.1	14.7	0.8	0.4	15.7	0.1	0.5	49.7	0.3	1.9		
		-22.2	7.0		4.7	2.3		3.0	0.6		0.3	0.6		2.0	1.5		
RFZGXD	220.1	-1.5	0.2	82.8	-0.4	0.3	10.4	-0.4	0.0	14.7	-0.2	0.2	43.6	-0.5	0.4		
		-131.2	1.0		-7.3	0.6		-1.3	0.1		-0.6	0.2		-4.1	0.3		
6VRW4Y	305.5	-0.5	1.6	68.7	-1.1	2.8	8.1	-1.0	0.5	14.7	-0.2	0.2	48.5	0.1	1.5		
		-45.7	9.6		-21.4	5.8		-3.6	0.7		-0.7	0.3		0.9	1.2		
JXQR6N	349.0	0.0	2.0	93.0	0.2	0.8	12.3	0.2	0.4	15.7	0.1	0.5	49.7	0.3	1.4		
		-2.2	11.8		3.0	1.7		0.7	0.6		0.3	0.6		2.0	1.2		
GUGULG	305.7	-0.5	0.5	83.7	-0.3	1.5	10.3	-0.4	0.4	16.2	0.3	0.2	45.3	-0.3	0.7		
		-45.6	3.2		-6.4	3.1		-1.3	0.6		0.8	0.3		-2.3	0.6		
BMDY2M	296.2	-0.6	0.6	91.7	0.1	0.7	10.0	-0.5		14.7	-0.2	0.5	54.0	0.8	1.3		
		-55.0	3.4		1.7	1.5		-1.7	0.0		-0.7	0.6		6.3	1.0		
B9GHCN	353.3	0.0	0.5	70.0	-1.0	0.5	10.0	-0.5		16.3	0.3	0.5	47.7	0.0	0.7		
		2.1	2.9		-20.0	1.0		-1.7	0.0		1.0	0.6		0.0	0.6		
MXYZLE	349.4	0.0	0.4	102.7	0.7	0.4	11.9	0.1	0.1	16.0	0.2	0.2	52.0	0.5	0.3		
		-1.9	2.3		12.7	0.9		0.3	0.2		0.7	0.3		4.3	0.2		
9KKUUL	356.3	0.1	0.4	90.7	0.0	0.7	10.7	-0.3	0.4	15.0	-0.1		47.0	-0.1			
		5.1	2.3		0.7	1.5		-1.0	0.6		-0.3	0.0		-0.7	0.0		
J997AC	333.2	-0.2	0.1	72.4	-0.9	0.2	13.5	0.5	0.4	13.9	-0.5	0.7	43.7	-0.5	1.4		
		-18.1	0.8		-17.6	0.4		1.8	0.6		-1.4	0.8		-4.0	1.1		
24X99T	359.3	0.1	0.5	104.1	0.7	0.5	11.8	0.0	0.5	15.8	0.1	0.3	52.1	0.6	1.0		
		8.1	3.3		14.1	1.1		0.1	0.7		0.4	0.3		4.5	0.8		
WKLRZY	499.7	1.6	0.1	90.7	0.0	0.3	12.3	0.2	0.4	15.0	-0.1		38.3	-1.2	0.7		
		148.4	0.6		0.7	0.6		0.7	0.6		-0.3	0.0		-9.3	0.6		
LZAKW9	346.3	-0.1	1.1	88.7	-0.1	0.7	8.7	-0.8	0.4	12.0	-1.2		44.3	-0.4	0.7		
		-4.9	6.7		-1.4	1.5		-3.0	0.6		-3.3	0.0		-3.3	0.6		
PM96DA	397.3	0.5	1.0	90.0	0.0	1.7	11.3	-0.1	0.4	16.3	0.3	0.5	54.0	0.8			
		46.1	5.8		0.0	3.5		-0.3	0.6		1.0	0.6		6.3	0.0		
7MTEJU	354.0	0.0	0.2	89.7	0.0	0.2	11.5	0.0	0.1	16.5	0.4	0.2	47.7	0.0	0.7		
		2.8	1.0		-0.3	0.3		-0.1	0.2		1.1	0.3		0.0	0.6		
BCCJ6Q	392.7	0.5	0.5	74.7	-0.8	1.2	10.0	-0.5		15.0	-0.1		48.7	0.1	1.4		
		41.4	3.1		-15.4	2.5		-1.7	0.0		-0.3	0.0		1.0	1.2		
PXPUCE	35.8	-3.5	0.2	9.8	-4.1	0.5	1.5	-2.8	0.1	3.6	-4.1	0.9	5.8	-5.3	1.3		
		-315.5	1.4		-80.2	1.0		-10.1	0.1		-11.7	1.1		-41.9	1.1		
JJN8KB	358.3	0.1	1.9	84.0	-0.3		11.8	0.0	0.4	16.0	0.2		49.0	0.2	1.1		
		7.1	11.5		-6.0	0.0		0.2	0.6		0.7	0.0		1.3	0.9		
7G8JHQ	368.0	0.2	1.9	103.7	0.7	1.2	13.3	0.5	0.4	14.7	-0.2	0.5	46.0	-0.2	1.3		
		16.8	11.3		13.7	2.5		1.7	0.6		-0.7	0.6		-1.7	1.0		
EWPAWH	383.7	0.4	0.7	90.0	0.0	0.2	10.6	-0.3	0.1	14.7	-0.2	0.0	46.8	-0.1	0.4		
		32.4	4.2		0.0	0.5		-1.1	0.1		-0.7	0.1		-0.9	0.3		



ALP Program - Participant Web Summary Report - Cycle 25

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
H4YZND	185.3	-1.8	1.9	60.7	-1.5	1.0	12.3	0.2	1.0	11.3	-1.4	0.5	29.3	-2.3	0.7
		-165.9	11.7		-29.4	2.1		0.7	1.5		-4.0	0.6		-18.3	0.6
RUHB6W	502.7	1.7	0.4	108.7	1.0	1.2	16.0	1.2		15.7	0.1	0.5	48.0	0.0	
		151.4	2.5		18.7	2.5		4.3	0.0		0.3	0.6		0.3	0.0
WEPC6W	353.1	0.0	0.2	98.8	0.5	0.0	18.1	1.8	2.2	21.8	2.2	4.1	54.8	0.9	0.6
		1.9	1.3		8.8	0.0		6.4	3.2		6.5	4.8		7.1	0.5
FVERDC	160.5	-2.1	0.8	119.7	1.5	1.0	24.2	3.4	4.0	24.2	3.1	1.9			
		-190.7	5.1		29.7	2.1		12.5	5.8		8.9	2.2			
Grand Median		351.2			90.0			11.7			15.3			47.7	
Median Abs Dev		27.3			8.0			1.5			0.7			2.3	
Avg Within Lab SD		6.0			2.1			1.5			1.2			0.8	
Labs Included		24			24			24			24			23	
Labs Reporting		24			24			24			24			23	



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

PO4-P Bray P (1:7) (SubTestCode 133)	in the Phosphorus and Sulfur Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
RVVXMC	363.0	1.1	0.1	81.0	0.6	0.4	12.0	0.7		15.0	1.4		49.3	1.0	0.4	
		155.5	1.7		7.3	1.0		1.7	0.0		3.1	0.0		13.8	0.6	
WZDPZ9	461.0	1.9	2.4	83.3	0.8	1.9	6.8	-1.4	1.6	12.8	0.4	0.3	56.9	1.5	1.2	
		253.5	53.7		9.6	4.5		-3.4	0.7		0.9	0.3		21.4	1.7	
G38DZP	190.3	-0.1	0.3	69.3	-0.4	1.3	11.3	0.4	1.3	12.3	0.2	1.3	31.3	-0.3	1.4	
		-17.2	7.4		-4.4	3.1		1.1	0.6		0.4	1.2		-4.2	2.1	
2724TW	192.0	-0.1	0.1	47.0	-2.1	0.4	8.0	-0.9	0.3	9.0	-1.4	0.2	20.6	-1.1	0.4	
		-15.5	2.0		-26.7	1.0		-2.3	0.2		-2.9	0.2		-14.9	0.6	
EQ8UCK	113.8	-0.7	0.2	72.5	-0.1	0.5	9.6	-0.3	0.8	11.5	-0.2	1.8	34.1	-0.1	1.5	
		-93.7	3.7		-1.3	1.1		-0.7	0.4		-0.4	1.5		-1.4	2.3	
B8MWKH	223.0	0.1		75.0	0.1		11.0	0.3		11.0	-0.4		37.0	0.1		
		15.5	0.0		1.3	0.0		0.7	0.0		-0.9	0.0		1.4	0.0	
Grand Median		207.5		73.7			10.3			11.9			35.6			
Median Abs Dev		55.5		5.8			1.4			0.9			9.0			
Avg Within Lab SD		22.2		2.3			0.4			0.9			1.5			
Labs Included		6		6			6			6			6			
Labs Reporting		6		6			6			6			6			



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

PO4-P Olsen/Bicarb (1:20) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups																
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			Data units: mg/kg
RVVXMC	116.3	0.1	0.1	35.7	-0.1	0.1	7.4	-0.1	0.3	7.5	0.3	0.2	24.3	0.1	0.1	
		2.8	3.5		-0.6	1.2		-0.4	0.2		0.7	0.3		1.0	0.6	
4FGU6Y	97.1	-0.6	0.0	33.4	-0.3	0.0	5.8	-0.7	0.1	6.0	-0.3	0.3	22.8	-0.1	0.1	
		-16.4	0.9		-2.9	0.1		-2.0	0.1		-0.9	0.3		-0.5	0.7	
6VRW4Y	126.3	0.5	0.3	52.7	1.7	0.0	7.3	-0.2	0.1	10.3	1.3	2.2	51.6	3.9	0.2	
		12.8	8.1		16.4	0.4		-0.5	0.1		3.4	2.5		28.2	1.2	
L2ZREK	104.8	-0.3	0.0	36.3	0.0	0.0	8.1	0.1	0.6	4.5	-0.9	0.2	16.6	-0.9	0.0	
		-8.7	0.4		0.0	0.4		0.3	0.5		-2.4	0.2		-6.8	0.3	
JXQR6N	121.1	0.3	0.2	39.5	0.3	0.2	7.8	0.0	1.5	6.3	-0.2	0.7	27.8	0.6	0.2	
		7.6	6.1		3.2	3.4		-0.1	1.4		-0.5	0.8		4.5	1.8	
G38DZP	92.7	-0.8	0.1	30.3	-0.6	0.1	12.7	1.6	1.7	10.0	1.2	0.9	22.3	-0.1	0.3	
		-20.8	1.5		-6.0	2.1		4.8	1.5		3.2	1.0		-1.0	2.1	
GUGULG	113.0	0.0	0.0	39.7	0.3	0.2	13.2	1.8	1.0	9.8	1.2	2.5	28.8	0.8	0.1	
		-0.5	1.0		3.4	3.1		5.4	0.9		3.0	2.8		5.5	0.7	
BMDY2M	140.7	1.0	0.1	42.7	0.7	0.0	8.0	0.1	0.0	8.3	0.6	0.5	27.3	0.6	0.3	
		27.2	4.2		6.4	0.6		0.2	0.0		1.5	0.6		4.0	2.1	
EQ8UCK	126.3	0.5	0.0	35.3	-0.1	0.0	6.5	-0.4	0.7	6.5	-0.1	0.3	23.8	0.1	0.1	
		12.8	1.1		-1.0	0.6		-1.3	0.6		-0.3	0.3		0.4	0.4	
B9GHCN	121.0	0.3	0.0	40.7	0.5	0.0	9.0	0.4	0.0	7.3	0.2	0.5	26.7	0.5	0.1	
		7.5	1.0		4.4	0.6		1.2	0.0		0.5	0.6		3.3	0.6	
CVNF9M	102.6	-0.4	0.2	34.6	-0.2	0.1	6.3	-0.5	1.7	5.0	-0.7	0.7	22.6	-0.1	0.1	
		-10.9	6.9		-1.7	0.9		-1.5	1.5		-1.8	0.8		-0.8	0.7	
CLYU3N	110.8	-0.1	0.1	41.1	0.5	0.1	7.8	0.0	0.3	7.7	0.3	0.3	26.1	0.4	0.2	
		-2.8	1.8		4.8	0.9		-0.1	0.3		0.9	0.3		2.8	1.1	
324YCW	115.7	0.1	0.4	41.6	0.5	0.0	25.6	6.0	0.6	23.2	6.3	2.1	34.6	1.6	0.5	
		2.2	11.9		5.3	0.6		17.7	0.6		16.3	2.4		11.3	3.3	
JWV7DH	104.3	-0.4	0.1	23.7	-1.3	0.0	8.1	0.1	0.8	7.9	0.4	0.9	18.0	-0.7	0.2	
		-9.2	2.7		-12.6	0.5		0.3	0.7		1.0	1.0		-5.4	1.4	
C2ET8P	131.1	0.7	0.0	40.0	0.4	0.1	7.9	0.0	0.5	7.3	0.2	0.2	26.1	0.4	0.1	
		17.6	1.0		3.7	1.0		0.1	0.5		0.5	0.3		2.7	0.4	
9KKUUL	111.0	-0.1		37.0	0.1		5.0	-1.0		6.0	-0.3		23.0	0.0		
		-2.5	0.0		0.7	0.0		-2.8	0.0		-0.8	0.0		-0.3	0.0	
EPDALE	57.3	-2.2	0.0	33.7	-0.3	0.0	10.0	0.7		6.0	-0.3	0.9	20.3	-0.4	0.2	
		-56.2	1.2		-2.6	0.6		2.2	0.0		-0.8	1.0		-3.0	1.2	
LZAKW9	96.3	-0.7	0.1	32.3	-0.4	0.0	5.3	-0.8	0.7	6.7	-0.1	1.0	22.3	-0.1	0.1	
		-17.2	3.1		-4.0	0.6		-2.5	0.6		-0.2	1.2		-1.0	0.6	
J4HWZD	144.7	1.2	0.0	44.2	0.8	0.0	8.6	0.3	0.3	8.6	0.7	0.4	25.5	0.3	0.1	
		31.2	1.2		7.9	0.7		0.8	0.3		1.8	0.4		2.2	0.8	
PM96DA	121.5	0.3	0.0	39.6	0.3	0.1	6.0	-0.6	0.4	7.6	0.3	0.1	25.1	0.2	0.1	
		8.0	1.3		3.3	2.4		-1.8	0.4		0.7	0.1		1.7	0.7	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
7G8JHQ	105.7	-0.3	0.2	36.3	0.0	0.1	9.3	0.5	1.3	6.7	-0.1	0.5	23.3	0.0	0.2
		-7.8	6.1		0.0	2.1		1.5	1.2		-0.2	0.6		0.0	1.5
FHNX2J	115.3	0.1	0.2	30.3	-0.6	0.3	8.1	0.1	0.1	5.0	-0.7	0.2	22.1	-0.2	0.1
		1.8	5.1		-6.0	4.3		0.3	0.1		-1.8	0.2		-1.2	0.5
RUHB6W	106.0	-0.3	0.1	34.3	-0.2	0.0	6.3	-0.5	0.7	7.0	0.1		23.0	0.0	0.2
		-7.5	1.7		-2.0	0.6		-1.5	0.6		0.2	0.0		-0.3	1.7
ABNPUG	57.5	-2.2		20.3	-1.6		7.1	-0.2		6.3	-0.2		17.2	-0.8	
		-56.0	0.0		-16.0	0.0		-0.7	0.0		-0.5	0.0		-6.1	0.0
QGYAAZ	220.9	4.1	5.0	86.8	5.2	5.1	8.2	0.1	3.4	6.6	-0.1	2.1	57.8	4.8	5.1
		107.4	146.1		50.5	83.6		0.3	3.0		-0.2	2.4		34.5	36.7
AMG7JH	114.0	0.0	0.2	31.7	-0.5	0.1	6.1	-0.6	0.3	5.3	-0.6	0.5	21.7	-0.2	0.1
		0.5	7.2		-4.6	1.1		-1.7	0.3		-1.5	0.6		-1.7	0.6
FVERDC													22.1	-0.2	0.2
														-1.2	1.5
Grand Median		113.5			36.3			7.83			6.83			23.3	
Median Abs Dev		9.0			3.9			1.25			0.85			2.2	
Avg Within Lab SD		29.0			16.5			0.88			1.12			7.2	
Labs Included		26			26			26			26			27	
Labs Reporting		26			26			26			26			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 M. Morgan (SubTestCode 135)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
SRSSRS1411	SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415				
LNX664	9.33	1.00	7.67	1.00	1.00	0.00	1.00	0.00	5.83	1.00	
		0.58		1.53						0.58	
Grand Median	9.33		7.67		1.00		1.00		5.83		
Median Abs Dev											
Avg Within Lab SD	0.58		1.53		0.00		0.00		0.58		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

PO4-P Mod. Kelowna (SubTestCode 136)	in the Phosphorus and Sulfur Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
FHNX2J	177.3	1.3	37.4	1.2	9.8	1.4	8.5	1.4	32.2	1.3	
		9.0		2.4		1.7		0.6		2.0	
AMG7JH	124.0	0.5	39.8	0.7	7.4	0.1	7.5	0.4	31.8	0.5	
		3.6		1.3		0.1		0.2		0.8	
Grand Median	150.7		38.6		8.61		8.04		32.0		
Median Abs Dev											
Avg Within Lab SD	6.8		1.9		1.17		0.42		1.5		
Labs Included	2		2		2		2		2		
Labs Reporting	2		2		2		2		2		



ALP Program - Participant Web Summary Report - Cycle 25

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

PO4-P Strong Bray (1:10) (SubTestCode 137)			in the Phosphorus and Sulfur Property Groups										Data units: mg/kg		
	SRSSRS1411		SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
RVVXMC	504.3	-0.3	0.2	105.0	-1.2	0.6	18.3	0.7	0.7	26.3	-0.3	0.5	99.0	-1.1	
		-24.1	1.5		-15.2	2.0		2.9	0.6		-0.8	0.6		-17.5	0.0
6VRW4Y	552.5	0.3	0.4	118.0	-0.2	1.4	14.0	-0.4	0.7	31.5	1.4	0.8	126.0	0.6	0.9
		24.1	2.5		-2.2	4.6		-1.5	0.6		4.3	0.8		9.5	3.0
JXQR6N	573.0	0.5	0.5	137.3	1.3	1.5	17.0	0.4	2.1	29.0	0.6	2.4	124.0	0.5	1.1
		44.6	3.0		17.2	4.9		1.5	1.7		1.8	2.6		7.5	3.6
BMDY2M	450.0	-0.9	0.5	117.3	-0.2	0.5	13.3	-0.5	0.7	26.3	-0.3	0.5	119.7	0.2	0.5
		-78.4	3.6		-2.8	1.5		-2.1	0.6		-0.8	0.6		3.2	1.5
9KKUUL	664.3	1.6	1.6	122.3	0.2	1.4	13.7	-0.4	0.7	28.3	0.4	0.5	113.3	-0.2	0.9
		135.9	10.2		2.2	4.5		-1.8	0.6		1.2	0.6		-3.2	3.1
B8MWKH	566.0	0.5		129.0	0.7		22.0	1.6		28.0	0.3		127.0	0.7	
		37.6	0.0		8.8	0.0		6.5	0.0		0.8	0.0		10.5	0.0
LZAKW9	473.3	-0.7	1.2	103.7	-1.3	0.6	12.0	-0.9	1.2	20.7	-2.0	0.5	98.0	-1.2	0.9
		-55.1	7.8		-16.5	2.1		-3.5	1.0		-6.5	0.6		-18.5	3.0
7G8JHQ	478.3	-0.6	1.9	126.3	0.5	0.9	17.7	0.5	0.7	26.3	-0.3	0.5	102.3	-0.9	1.8
		-50.1	12.2		6.2	2.9		2.2	0.6		-0.8	0.6		-14.2	5.9
Grand Median		528.4			120.2			15.5			27.2			116.5	
Median Abs Dev		47.3			7.5			2.2			1.0			10.0	
Avg Within Lab SD		6.6			3.3			0.8			1.1			3.3	
Labs Included		8			8			8			8			8	
Labs Reporting		8			8			8			8			8	



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

PO4-P Water Soluble (SubTestCode 138)	in the Phosphorus and Sulfur Property Groups									Data units: mg/kg
SRSSRS1411	SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		SRSSRS1415	
28C3PQ	6.70	1.41	11.87	1.41	8.09	1.41	11.18	1.41	137.80	1.41
		1.58		0.21		0.60		1.80		3.05
3DGBJZ	0.84	0.00	1.22	0.00	0.11	0.00	0.06	0.00	0.55	0.00
Grand Median	3.77		6.55		4.10		5.62		69.2	
Median Abs Dev										
Avg Within Lab SD	1.12		0.15		0.42		1.27		2.2	
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		

SO4 - S (PO4 Extr.) (SubTestCode 139)	in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
PD3DTL	5.67	0.04	0.57	5.33	-0.36	0.64	5.67	0.43	0.47	8.67	0.32	0.54	27.33	-1.04	0.10		
		0.17	0.29		-1.33	0.29		1.33	0.29		1.00	0.29		-68.67	0.58		
6VRW4Y	15.80	2.78	1.18	11.67	1.34	1.57	13.40	2.91	0.81	13.00	1.72	2.82	35.00	-0.93	0.57		
		10.30	0.60		5.00	0.71		9.07	0.50		5.33	1.50		-61.00	3.20		
L2ZREK	6.11	0.16	0.28	5.92	-0.20	0.36	5.27	0.30	0.29	8.25	0.19	0.10	63.20	-0.50	0.09		
		0.61	0.14		-0.75	0.16		0.94	0.18		0.58	0.06		-32.80	0.48		
WZDPZ9	1.67	-1.03	1.13	7.67	0.27	1.28	3.67	-0.21	1.86	4.33	-1.08	2.17	150.33	0.82	0.10		
		-3.83	0.58		1.00	0.58		-0.67	1.15		-3.33	1.15		54.33	0.58		
JXQR6N	7.00	0.40	1.96	7.67	0.27	1.28	7.67	1.07	1.86	8.00	0.11		99.33	0.05	0.41		
		1.50	1.00		1.00	0.58		3.33	1.15		0.33	0.00		3.33	2.31		
G38DZP	5.33	-0.04	1.13	7.33	0.18	1.28	5.67	0.43	1.86	7.00	-0.22		103.33	0.11	1.62		
		-0.17	0.58		0.67	0.58		1.33	1.15		-0.67	0.00		7.33	9.07		
BMDY2M	6.20	0.19	0.22	7.63	0.26	1.03	7.04	0.87	0.17	7.94	0.09	0.23	113.62	0.27	0.84		
		0.70	0.11		0.96	0.47		2.71	0.10		0.27	0.12		17.62	4.71		
EQ8UCK	6.00	0.13		9.00	0.62		9.00	1.50		9.67	0.65	1.08	136.33	0.61	0.21		
		0.50	0.00		2.33	0.00		4.67	0.00		2.00	0.58		40.33	1.15		
B9GHCN	5.67	0.04	1.13	10.33	0.98	1.28	4.33	0.00	0.93	8.33	0.22	1.08	265.00	2.57	0.89		
		0.17	0.58		3.67	0.58		0.00	0.58		0.67	0.58		169.00	5.00		
CVNF9M	1.85	-0.98	0.25	2.50	-1.12	0.17	2.21	-0.68	1.36	2.98	-1.51	0.79	19.10	-1.17	0.07		
		-3.65	0.13		-4.17	0.08		-2.13	0.84		-4.69	0.42		-76.90	0.41		
9KKUUL	5.00	-0.13		4.67	-0.54	1.28	4.33	0.00	0.93	7.67	0.00	1.08	30.33	-1.00	0.21		
		-0.50	0.00		-2.00	0.58		0.00	0.58		0.00	0.58		-65.67	1.15		
WKLRZY	2.73	-0.75	0.69	4.10	-0.69	0.22	4.00	-0.11	0.74	5.10	-0.83	0.50	68.00	-0.43	0.51		
		-2.77	0.35		-2.57	0.10		-0.33	0.46		-2.57	0.26		-28.00	2.85		
PM96DA	6.55	0.28	0.99	5.41	-0.34	0.99	3.79	-0.18	0.38	8.82	0.37	0.66	68.42	-0.42	1.00		
		1.05	0.51		-1.25	0.45		-0.55	0.24		1.16	0.35		-27.58	5.59		
LQ2XXG	4.00	-0.40		6.00	-0.18		4.33	0.00	0.93	6.00	-0.54		96.00	0.00	0.64		
		-1.50	0.00		-0.67	0.00		0.00	0.58		-1.67	0.00		0.00	3.61		
3DGBJZ	13.19	2.07		16.45	2.62		14.82	3.37		11.56	1.26		68.57	-0.42			
		7.69	0.00		9.78	0.00		10.49	0.00		3.89	0.00		-27.43	0.00		
Q7GPP4	4.79	-0.19	0.23	4.31	-0.63	0.07	4.36	0.01	0.10	7.38	-0.09	0.06	24.40	-1.09	0.04		
		-0.71	0.12		-2.35	0.03		0.03	0.06		-0.29	0.03		-71.60	0.21		
7G8JHQ	2.33	-0.85	1.13	6.67	0.00	1.28	3.00	-0.43	1.61	4.33	-1.08	1.08	147.67	0.78	0.51		
		-3.17	0.58		0.00	0.58		-1.33	1.00		-3.33	0.58		51.67	2.89		
FHNX2J	1.79	-1.00	0.46	6.26	-0.11	0.56	2.65	-0.54	0.39	4.29	-1.09	0.54	128.00	0.49	1.72		
		-3.71	0.24		-0.41	0.25		-1.68	0.24		-3.38	0.29		32.00	9.64		
RUHB6W	10.33	1.30	1.13	16.33	2.59	1.28	5.33	0.32	0.93	10.00	0.75		35.33	-0.92	0.41		
		4.83	0.58		9.67	0.58		1.00	0.58		2.33	0.00		-60.67	2.31		
AMG7JH				7.03	0.10	0.13	3.10	-0.40	0.23	5.37	-0.74	0.96	114.67	0.28	0.21		
					0.37	0.06		-1.23	0.14		-2.30	0.51		18.67	1.15		



ALP Program - Participant Web Summary Report - Cycle 25

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
WEPC6W	2.97	-0.68	2.48	3.73	-0.79	2.04	3.03	-0.42	0.89	3.57	-1.32	0.89	114.27	0.28	3.34
		-2.53	1.27		-2.93	0.92		-1.30	0.55		-4.10	0.47		18.27	18.75
Grand Median		5.50			6.67			4.33			7.67			96.0	
Median Abs Dev		1.50			1.33			1.30			2.00			32.8	
Avg Within Lab SD		0.51			0.45			0.62			0.53			5.6	
Labs Included		20			21			21			21			21	
Labs Reporting		20			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		

K Ammonium Acetate (SubTestCode 140)			in the Bases (1:10) Property Groups												Data units: mg/kg	
SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
QV2TTC	27.3	-0.4	1.0	108.7	-0.3	0.3	67.7	-0.3	0.1	345.7	-0.5	0.3	298.3	-0.7	0.2	
		-4.7	2.9		-6.0	1.5		-8.8	0.6		-27.7	8.7		-29.3	2.3	
4FGU6Y	33.8	0.2	0.4	123.7	0.4	0.7	75.7	0.0	0.6	398.9	0.5	0.2	341.7	0.3	0.2	
		1.8	1.3		9.1	4.2		-0.7	3.7		25.6	7.4		14.1	2.3	
6VRW4Y	31.5	0.0	1.7	132.8	0.9	1.0	80.3	0.1	0.2	423.4	1.0	1.0	406.7	1.9	1.9	
		-0.5	5.0		18.1	5.8		3.9	0.9		50.1	33.9		79.0	25.0	
L2ZREK	30.8	-0.1	0.2	103.5	-0.6	0.5	81.4	0.2	0.4	329.7	-0.8	0.2	291.2	-0.9	0.6	
		-1.2	0.5		-11.2	3.0		4.9	2.4		-43.6	5.5		-36.5	7.3	
WZDPZ9	36.7	0.4	0.5	111.7	-0.1	1.1	90.0	0.5	0.9	374.7	0.0	0.8	330.0	0.1	1.5	
		4.7	1.5		-3.0	6.4		13.6	5.3		1.3	25.1		2.3	20.1	
JXQR6N	37.3	0.4	0.5	123.3	0.4	1.2	79.7	0.1	0.2	369.7	-0.1	0.3	339.7	0.3	1.3	
		5.3	1.5		8.7	6.7		3.2	1.2		-3.7	9.8		12.0	17.0	
G38DZP	38.3	0.5	0.5	93.7	-1.0	0.8	57.7	-0.7	0.4	297.7	-1.4	0.2	256.7	-1.7	0.5	
		6.3	1.5		-21.0	4.5		-18.8	2.5		-75.7	6.4		-71.0	6.1	
GUGULG	37.0	0.4	0.6	136.4	1.1	0.1	110.9	1.3	0.2	363.9	-0.2	5.2	438.7	2.7	0.5	
		5.0	1.8		21.7	0.7		34.4	1.2		-9.4	174.8		111.0	6.0	
2724TW	71.7	3.3	0.5	150.0	1.7	0.2	125.0	1.8	0.2	397.7	0.5	0.2	349.3	0.5	0.0	
		39.7	1.5		35.3	1.0		48.6	1.0		24.3	5.1		21.7	0.6	
EQ8UCK	53.8	1.8	3.1	164.1	2.4	4.3	116.1	1.5	3.1	521.7	2.8	1.0	455.0	3.1	4.3	
		21.8	9.1		49.5	24.5		39.7	18.6		148.4	33.6		127.4	57.1	
B9GHCN	30.3	-0.1	0.2	116.7	0.1	0.4	64.0	-0.5	0.2	373.3	0.0	0.1	348.3	0.5	0.2	
		-1.7	0.6		2.0	2.1		-12.4	1.0		0.0	2.9		20.7	2.9	
CVNF9M	27.7	-0.4	0.5	99.0	-0.8	1.2	91.3	0.6	4.4	336.7	-0.7	0.6	289.0	-0.9	1.2	
		-4.3	1.5		-15.7	6.9		14.9	26.1		-36.7	20.6		-38.7	15.6	
MXYZLE	33.7	0.1	0.3	106.6	-0.4	0.9	88.7	0.5	0.7	353.5	-0.4	0.4	311.2	-0.4	1.0	
		1.7	0.9		-8.1	5.2		12.3	3.9		-19.9	12.8		-16.5	12.9	
CLYU3N	29.7	-0.2	0.5	122.0	0.4	0.3	71.0	-0.2	0.7	392.0	0.4	0.1	378.7	1.2	0.4	
		-2.3	1.5		7.3	1.7		-5.4	4.4		18.7	2.6		51.0	5.5	
324YCW	36.3	0.4	0.2	125.0	0.5	0.8	98.7	0.8	0.1	431.0	1.1	0.1	387.3	1.4	0.8	
		4.3	0.6		10.3	4.4		22.2	0.6		57.7	3.6		59.7	11.2	
JWV7DH	40.3	0.7	0.2	103.3	-0.6	1.1	87.9	0.4	0.0	373.7	0.0	0.6	333.7	0.1	0.4	
		8.3	0.6		-11.4	6.6		11.5	0.1		0.3	20.5		6.0	5.5	
C2ET8P	39.3	0.6	0.4	114.7	0.0	0.7	89.7	0.5	0.4	390.3	0.3	0.1	353.7	0.6	0.2	
		7.3	1.2		0.0	3.8		13.2	2.5		17.0	3.5		26.0	3.2	
9KKUUL	39.0	0.6	0.9	129.7	0.7	0.4	62.3	-0.5	0.8	381.3	0.2	0.2	326.3	0.0	0.6	
		7.0	2.6		15.0	2.3		-14.1	4.6		8.0	5.8		-1.3	8.3	
GTL9VB	28.6	-0.3	0.1	112.7	-0.1	0.3	335.5	9.8	1.2	70.8	-5.8	0.0	301.2	-0.6	0.1	
		-3.4	0.4		-2.0	1.6		259.1	7.2		-302.6	0.4		-26.5	1.8	
28C3PQ	30.3	-0.1	1.4	101.7	-0.6	1.0	82.2	0.2	0.7	347.8	-0.5	0.6	291.8	-0.9	0.1	
		-1.7	4.1		-13.0	5.6		5.8	3.9		-25.5	21.5		-35.9	2.0	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
J997AC	30.7	-0.1	0.2	117.6	0.1	0.0	66.6	-0.4	0.5	379.8	0.1	0.2	327.4	0.0	0.3
		-1.3	0.6		2.9	0.2		-9.9	3.2		6.5	6.5		-0.2	4.5
B8MWKH	29.0	-0.2		90.0	-1.2		79.0	0.1		333.0	-0.8		281.0	-1.1	
		-3.0	0.0		-24.7	0.0		2.6	0.0		-40.3	0.0		-46.7	0.0
WKLRZY	28.0	-0.3	1.2	113.0	-0.1	0.3	70.0	-0.2	0.3	383.3	0.2	0.4	309.3	-0.4	1.0
		-4.0	3.6		-1.7	2.0		-6.4	1.7		10.0	14.2		-18.3	13.8
LZAKW9	29.6	-0.2	0.5	115.3	0.0	0.2	64.9	-0.4	0.2	383.3	0.2	0.2	319.0	-0.2	0.5
		-2.4	1.6		0.7	1.2		-11.5	1.4		10.0	6.4		-8.7	6.2
J4HWZD	73.3	3.4	3.1	124.4	0.5	0.6	95.6	0.7	0.2	358.6	-0.3	0.3	315.7	-0.3	0.5
		41.3	8.9		9.7	3.4		19.1	0.9		-14.7	8.9		-12.0	6.7
PM96DA	27.7	-0.4	0.4	127.3	0.6	0.4	76.0	0.0	0.7	369.3	-0.1	1.7	328.0	0.0	1.1
		-4.3	1.2		12.7	2.5		-0.4	4.0		-4.0	56.9		0.3	14.4
7MTEJU	25.7	-0.5	0.2	104.7	-0.5	0.3	68.7	-0.3	0.6	374.7	0.0	0.1	327.7	0.0	0.1
		-6.3	0.6		-10.0	1.5		-7.8	3.5		1.3	4.5		0.0	1.5
BCCJ6Q	30.0	-0.2	0.7	108.7	-0.3	0.5	65.7	-0.4	0.3	332.3	-0.8	0.4	285.3	-1.0	0.3
		-2.0	2.0		-6.0	3.1		-10.8	1.5		-41.0	13.2		-42.3	4.0
PXPUCE	30.7	-0.1	0.4	112.1	-0.1	1.3	91.4	0.6	0.4	329.5	-0.8	0.6	319.1	-0.2	0.6
		-1.3	1.2		-2.6	7.6		15.0	2.5		-43.9	19.6		-8.6	7.3
Q7GPP4	32.3	0.0	0.1	126.2	0.6	0.0	73.8	-0.1	0.0	337.5	-0.7	0.1	307.0	-0.5	0.1
		0.3	0.3		11.6	0.3		-2.7	0.3		-35.9	2.3		-20.7	1.0
QQL8Z6	39.1	0.6	1.0	111.3	-0.2	0.2	88.2	0.4	1.2	359.2	-0.3	0.1	314.3	-0.3	1.1
		7.1	3.1		-3.4	1.3		11.7	7.0		-14.2	3.1		-13.3	15.1
7G8JHQ	32.0	0.0	0.7	118.0	0.2	1.4	71.7	-0.2	1.1	401.0	0.5	0.1	339.7	0.3	1.4
		0.0	2.0		3.3	7.8		-4.8	6.7		27.7	3.6		12.0	18.0
H4YZND	18.7	-1.1	1.1	136.3	1.1	1.2	58.7	-0.7	0.4	434.7	1.2	0.6	360.0	0.8	0.7
		-13.3	3.2		21.7	6.7		-17.8	2.3		61.3	19.6		32.3	8.7
FHNX2J	31.7	0.0	1.5	107.7	-0.3	1.0	71.7	-0.2	0.4	403.3	0.6	0.4	297.7	-0.7	0.5
		-0.3	4.3		-7.0	5.5		-4.7	2.6		30.0	14.4		-30.0	7.1
RUHB6W	35.7	0.3	0.5	118.7	0.2	0.1	61.7	-0.6	0.1	378.0	0.1	0.1	342.0	0.3	0.1
		3.7	1.5		4.0	0.6		-14.8	0.6		4.7	2.0		14.3	1.0
ABNPUG	98.0	5.5		19.0	-4.7		73.0	-0.1		355.0	-0.3		300.0	-0.7	
		66.0	0.0		-95.7	0.0		-3.4	0.0		-18.3	0.0		-27.7	0.0
AMG7JH	41.7	0.8	0.4	106.3	-0.4	0.1	81.7	0.2	0.1	339.7	-0.6	1.1	328.7	0.0	0.2
		9.7	1.2		-8.3	0.6		5.2	0.6		-33.7	36.4		1.0	2.1
WEPC6W	34.0	0.2		128.0	0.7		76.0	0.0		434.0	1.2		340.0	0.3	
		2.0	0.0		13.3	0.0		-0.4	0.0		60.7	0.0		12.3	0.0
FVERDC	17.4	-1.2	1.6	91.0	-1.2	1.7	76.4	0.0	0.8	349.1	-0.5	1.3	337.6	0.2	0.8
		-14.6	4.8		-23.7	9.5		0.0	4.9		-24.3	42.7		9.9	10.2



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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	32.0			114.7			76.4			373.3			327.7		
Median Abs Dev	4.3			9.7			10.8			24.3			20.7		
Avg Within Lab SD	2.9			5.7			6.0			33.3			13.2		
Labs Included	39			39			39			39			39		
Labs Reporting	39			39			39			39			39		



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

Ca Ammonium Acetate (SubTestCode 141)			in the Bases (1:10) Property Groups									Data units: mg/kg			
SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	946.7	-0.6	1.4	1,004.0	0.1	1.1	168.3	-0.1	1.8	2,421.0	-0.2	0.3	4,157.0	-0.3	0.7
		-89.3	83.1		16.2	40.1		-8.7	38.1		-49.7	31.2		-137.3	121.1
4FGU6Y	1,036.7	0.0	0.1	1,009.0	0.2		227.9	0.4	0.2	2,461.7	0.0	0.3	4,303.0	0.0	0.2
		0.7	3.5		21.2	0.0		50.9	4.3		-9.0	30.7		8.7	37.5
6VRW4Y	1,293.7	1.8	4.9	1,109.7	1.1	2.8	153.3	-0.2	0.4	2,679.0	0.6	2.3	5,407.7	2.2	2.3
		257.7	281.5		121.9	103.2		-23.7	9.2		208.3	227.8		1,113.3	410.4
L2ZREK	1,052.0	0.1	0.3	953.7	-0.3	0.6	217.9	0.3	0.2	2,308.3	-0.5	0.8	3,822.0	-0.9	0.6
		16.0	16.5		-34.1	22.4		40.9	4.8		-162.3	80.2		-472.3	97.7
WZDPZ9	1,253.3	1.5	0.8	1,038.3	0.5	0.8	188.7	0.1	0.1	2,755.3	0.9	0.8	5,036.7	1.4	1.3
		217.3	45.1		50.6	27.5		11.7	1.5		284.7	81.0		742.3	219.6
JXQR6N	984.0	-0.4	0.3	981.0	-0.1	0.4	145.7	-0.2	1.0	2,682.7	0.6	0.8	4,925.7	1.2	0.5
		-52.0	17.4		-6.8	13.0		-31.3	22.0		212.0	75.1		631.3	79.1
G38DZP	753.0	-2.0	0.1	736.0	-2.2	0.3	144.7	-0.2	0.5	1,854.0	-1.9	1.0	3,141.7	-2.2	0.3
		-283.0	3.5		-251.8	9.5		-32.3	11.6		-616.7	101.8		-1,152.7	45.4
GUGULG	1,147.7	0.8	0.1	1,013.3	0.2	0.3	211.7	0.3	0.1	2,557.3	0.3	0.1	4,345.3	0.1	0.0
		111.7	4.9		25.6	10.4		34.7	2.3		86.7	13.7		51.0	6.1
BMDY2M	1,127.3	0.6	0.9	1,048.0	0.5	0.9	73.0	-0.8	0.2	2,611.0	0.4	0.8	4,881.7	1.1	0.2
		91.3	52.0		60.2	33.8		-104.0	3.6		140.3	76.3		587.3	37.7
2724TW	808.7	-1.6	0.2	824.0	-1.5	0.3	142.7	-0.3	0.3	2,104.7	-1.1	1.0	3,723.7	-1.1	0.4
		-227.3	11.5		-163.8	11.1		-34.3	6.4		-366.0	95.3		-570.7	72.3
EQ8UCK	1,142.3	0.7	0.9	1,035.4	0.4	2.7	227.1	0.4	0.5	2,652.0	0.6	1.4	4,208.4	-0.2	3.4
		106.3	53.0		47.6	98.9		50.1	11.6		181.3	133.4		-85.9	601.2
B9GHCN	1,145.0	0.8	0.6	1,125.0	1.2	0.7	252.7	0.6	0.3	2,601.7	0.4	0.1	4,708.3	0.8	0.2
		109.0	32.8		137.2	25.0		75.7	6.4		131.0	7.6		414.0	38.2
CVNF9M	952.3	-0.6	1.1	819.3	-1.5	2.0	158.7	-0.1	0.8	2,181.0	-0.9	1.8	3,992.3	-0.6	1.4
		-83.7	63.1		-168.5	74.0		-18.3	17.9		-289.7	181.1		-302.0	248.4
MXYZLE	1,070.7	0.2	0.6	928.7	-0.5	1.4	210.4	0.3	0.4	2,422.5	-0.1	0.6	4,135.1	-0.3	0.6
		34.7	33.0		-59.1	52.0		33.4	8.3		-48.2	60.7		-159.3	97.4
324YCW	1,166.7	0.9	0.1	994.7	0.1	0.7	177.0	0.0	0.1	2,653.3	0.6	0.4	4,940.0	1.3	0.6
		130.7	5.8		6.9	26.6		0.0	2.0		182.7	40.4		645.7	96.4
JWV7DH	1,018.7	-0.1	0.1	807.7	-1.6	0.9	185.0	0.1	0.1	2,385.0	-0.3	0.7	4,250.0	-0.1	0.4
		-17.3	7.1		-180.1	33.5		8.0	3.0		-85.7	65.0		-44.3	70.0
C2ET8P	902.0	-0.9	0.2	921.3	-0.6	0.7	151.0	-0.2	0.3	2,468.0	0.0	0.5	4,285.7	0.0	0.6
		-134.0	12.5		-66.5	25.6		-26.0	6.2		-2.7	50.3		-8.7	97.2
9KKUUL	910.0	-0.9		1,030.0	0.4	0.5	120.0	-0.4		2,603.3	0.4	1.2	4,323.3	0.1	0.2
		-126.0	0.0		42.2	17.3		-57.0	0.0		132.7	119.3		29.0	30.6
GTL9VB	1,276.5	1.7	0.2	983.1	0.0	0.7	2,173.2	15.2	4.3	280.3	-6.7	0.1	4,179.4	-0.2	0.6
		240.5	9.8		-4.7	26.4		1,996.2	92.1		-2,190.4	9.3		-114.9	108.3
28C3PQ	965.9	-0.5	0.5	826.5	-1.4	1.0	207.1	0.2	0.8	2,149.0	-1.0	0.4	3,806.7	-0.9	0.6
		-70.1	30.9		-161.3	37.8		30.1	16.5		-321.7	41.0		-487.7	101.0



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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		
J997AC	1,095.0	0.4	0.3	1,044.3	0.5	0.2	194.7	0.1	0.4	2,572.0	0.3	0.6	4,396.7	0.2	0.6
B8MWKH	855.0	-1.3	14.8	725.0	-2.3	5.5	164.0	-0.1	7.6	1,982.0	-1.5	58.0	3,532.0	-1.5	97.1
WKLRZY	1,061.3	0.2	0.4	969.7	-0.2	0.2	199.7	0.2	0.5	2,529.7	0.2	0.7	4,553.7	0.5	0.3
LZAKW9	1,004.7	25.3	23.8	992.7	-18.1	5.9	176.0	22.7	11.5	2,638.0	59.0	67.6	4,380.3	259.3	53.5
J4HWZD	1,019.4	-0.2	0.1	983.9	0.0	0.2	202.4	0.0	0.3	2,418.9	0.5	0.3	4,242.6	0.2	0.6
PM96DA	1,019.9	-31.3	6.7	1,068.6	4.9	9.0	216.7	-1.0	6.9	2,424.1	167.3	33.1	4,027.7	86.0	109.0
7MTEJU	894.3	-0.1	0.5	914.7	0.0	0.3	186.7	0.2	0.3	2,388.0	-0.2	0.6	4,143.7	-0.1	0.7
BCCJ6Q	922.7	-16.6	27.8	991.7	-3.9	12.6	161.3	25.4	7.4	2,368.0	-51.8	61.0	4,076.7	-51.7	124.4
QQL8Z6	1,182.6	-0.1	0.7	927.9	0.7	0.5	117.9	0.3	0.7	2,534.5	-0.1	0.3	4,592.2	-0.5	0.4
7G8JHQ	1,107.7	-16.1	37.4	1,049.7	80.8	17.0	175.7	39.7	15.1	2,640.0	-46.6	25.6	4,495.3	-266.7	61.6
H4YZND	1,047.0	-1.0	0.0	1,050.7	-0.7	0.1	105.7	0.1	0.5	2,473.3	-0.3	0.2	4,075.0	-0.3	0.1
FHNX2J	1,001.0	-141.7	2.1	863.3	-73.1	4.2	180.3	9.7	10.8	2,266.7	-82.7	16.5	4,013.3	-150.7	12.5
RUHB6W	1,208.3	-0.8	0.6	1,144.0	0.0	1.4	291.3	-0.1	1.5	2,790.7	-0.3	1.0	4,910.3	-0.4	0.3
AMG7JH	1,063.3	-113.3	32.2	923.3	3.9	51.8	148.7	-15.7	32.1	2,553.3	-102.7	95.5	4,590.7	-217.7	45.1
WEPC6W	1,008.7	1.0	0.9	973.0	-0.5	0.9	163.7	-0.4	2.1	2,628.7	0.2	0.5	5,065.7	0.6	1.1
FVERDC	1,035.3	146.6	49.0	1,036.4	-59.9	31.8		-59.1	44.3		63.9	52.8		297.9	198.2
		0.5	1.2		0.6	1.0		0.0	0.7		0.5	0.5		0.4	1.0
		71.7	71.5		61.9	36.8		-1.3	14.5		169.3	47.6		201.0	167.5
		0.1	0.1		0.6	0.0		-0.5	0.2		0.0	0.3		-0.4	0.4
		11.0	8.2		62.9	1.2		-71.3	4.0		2.7	25.2		-219.3	66.1
		-0.2	0.1		-1.1	0.4		0.0	0.7		-0.6	0.1		-0.5	0.1
		-35.0	8.2		-124.5	16.2		3.3	14.8		-204.0	5.8		-281.0	20.8
		1.2	0.6		1.4	0.5		0.9	0.2		1.0	0.3		1.2	0.1
		172.3	33.5		156.2	17.3		114.3	4.9		320.0	27.2		616.0	10.1
		0.2	0.4		-0.6	0.2					-0.4	2.6		0.3	0.3
		27.3	20.8		-64.5	5.8					-144.0	258.1		169.0	55.1
		-0.2	1.1		-0.1	1.0		-0.2	0.4		0.3	1.3		0.6	1.8
		-27.3	60.7		-14.8	35.0		-28.3	9.3		82.7	126.4		296.3	314.0
		0.0	0.1		0.4	1.1		-0.1	0.3		0.5	2.5		1.5	2.2
		-0.7	3.1		48.6	38.4		-13.3	7.2		158.0	241.9		771.3	378.3
Grand Median		1,036.0			987.8			177.0			2,470.7			4,294.3	
Median Abs Dev		86.5			59.5			28.3			142.2			263.0	
Avg Within Lab SD		57.5			36.4			21.3			98.2			174.8	
Labs Included		36			36			35			36			36	
Labs Reporting		36			36			35			36			36	



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

Mg Ammonium Acetate (SubTestCode 142)	in the Bases (1:10) Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	107.0	-0.2	2.4	160.3	0.1	0.0	72.7	0.0	0.1	473.7	0.1	0.9	293.0	0.5	1.9	
		-3.0	10.4		4.7	2.5		0.0	0.6		9.7	13.1		17.3	15.1	
4FGU6Y	116.8	0.4	0.2	168.8	0.3	0.0	71.7	0.0	0.4	491.8	0.4	0.2	285.5	0.3	0.3	
		6.8	1.0		13.1	3.4		-1.0	1.5		27.8	3.6		9.9	2.3	
6VRW4Y	110.0	0.0	2.5	177.4	0.5	0.1	70.6	-0.1	1.4	540.9	1.2	2.6	342.5	2.0	2.4	
		0.0	11.0		21.7	9.4		-2.1	5.2		76.9	38.5		66.9	18.7	
L2ZREK	102.8	-0.5	0.5	133.9	-0.5	0.0	77.8	0.2	0.1	418.2	-0.7	0.1	249.4	-0.8	0.4	
		-7.2	2.2		-21.8	5.4		5.1	0.4		-45.8	1.5		-26.3	3.2	
WZDPZ9	127.3	1.1	1.4	152.7	-0.1	0.1	86.0	0.6	1.6	475.3	0.2	1.7	289.7	0.4	2.1	
		17.3	6.1		-3.0	7.2		13.3	6.2		11.3	25.1		14.0	16.5	
JXQR6N	97.7	-0.8	0.7	154.0	0.0	0.0	77.0	0.2	0.7	458.7	-0.1	0.9	298.3	0.7	1.6	
		-12.4	3.2		-1.7	7.0		4.3	2.6		-5.3	13.3		22.7	12.6	
G38DZP	93.3	-1.1	1.0	122.3	-0.8	0.0	55.3	-0.8	0.7	386.3	-1.2	0.3	230.7	-1.3	0.3	
		-16.7	4.2		-33.3	0.6		-17.3	2.5		-77.7	5.0		-45.0	2.1	
GUGULG	118.7	0.6	0.1	159.3	0.1	0.0	77.2	0.2	0.2	460.6	-0.1	0.4	293.0	0.5	0.6	
		8.6	0.5		3.6	2.8		4.5	0.6		-3.4	6.0		17.3	4.4	
BMDY2M	106.0	-0.3	0.2	161.0	0.1	0.0	69.7	-0.1	0.1	480.0	0.2	0.2	285.0	0.3	0.9	
		-4.0	1.0		5.3	4.0		-3.0	0.6		16.0	3.5		9.3	7.0	
2724TW	91.5	-1.2	1.1	137.7	-0.4	0.0	68.1	-0.2	1.3	397.4	-1.0	0.9	236.6	-1.1	0.8	
		-18.5	4.9		-17.9	3.7		-4.6	4.9		-66.6	13.7		-39.1	6.1	
EQ8UCK	117.5	0.5	1.6	137.7	-0.4	0.0	85.1	0.5	0.0	417.2	-0.7	0.5	255.2	-0.6	0.0	
		7.4	7.0		-18.0	7.0		12.4	0.0		-46.9	7.0		-20.5	0.0	
B9GHCN	136.7	1.7	0.7	187.7	0.7	0.0	86.7	0.6	0.7	500.0	0.5	0.7	315.0	1.1	0.6	
		26.6	2.9		32.0	2.5		14.0	2.9		36.0	10.0		39.3	5.0	
CVNF9M	101.3	-0.6	1.4	129.0	-0.6	0.1	77.3	0.2	2.6	396.0	-1.0	1.7	238.3	-1.1	1.5	
		-8.7	6.0		-26.7	9.6		4.7	10.1		-68.0	24.6		-37.3	11.9	
MXYZLE	156.2	3.0	1.6	158.6	0.1	0.0	84.0	0.5	1.3	494.4	0.5	0.8	303.6	0.8	2.1	
		46.2	6.7		2.9	2.6		11.3	5.1		30.4	11.9		28.0	16.3	
324YCW	112.7	0.2	0.1	145.7	-0.2	0.0	81.3	0.4	0.1	464.0	0.0	0.3	288.7	0.4	1.3	
		2.6	0.6		-10.0	5.9		8.7	0.6		0.0	4.6		13.0	10.0	
JWV7DH	113.3	0.2	0.4	129.0	-0.6	0.0	84.3	0.5	0.5	456.7	-0.1	0.4	275.7	0.0	0.1	
		3.3	1.5		-26.7	3.0		11.7	2.1		-7.3	6.5		0.0	0.6	
C2ET8P	94.7	-1.0	0.7	142.0	-0.3	0.1	69.3	-0.1	0.3	404.7	-0.9	0.3	262.7	-0.4	0.1	
		-15.4	3.2		-13.7	7.9		-3.3	1.2		-59.3	4.5		-13.0	1.2	
9KKUUL	106.7	-0.2	0.6	178.0	0.5	0.0	64.0	-0.4	0.3	490.3	0.4	0.6	290.3	0.4	0.6	
		-3.4	2.5		22.3	3.5		-8.7	1.0		26.3	8.6		14.7	4.9	
GTL9VB	99.3	-0.7	1.3	140.8	-0.3	0.0	395.7	14.3	3.1	67.7	-6.0	0.3	261.1	-0.4	1.0	
		-10.8	5.4		-14.9	4.6		323.0	12.0		-396.3	3.7		-14.6	8.1	
28C3PQ	103.9	-0.4	1.6	129.9	-0.6	0.1	81.3	0.4	1.1	381.5	-1.2	0.6	235.2	-1.2	0.3	
		-6.1	7.0		-25.8	10.8		8.6	4.4		-82.5	8.2		-40.5	2.1	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
J997AC	117.6	0.5	0.2	163.1	0.2	0.0	70.2	-0.1	0.5	493.1	0.4	0.8	290.7	0.4	0.7
		7.6	0.9		7.4	1.0		-2.5	2.1		29.1	11.1		15.0	5.3
B8MWKH	96.0	-0.9		115.0	-0.9		72.0	0.0		384.0	-1.2		227.0	-1.4	
		-14.0	0.0		-40.7	0.0		-0.7	0.0		-80.0	0.0		-48.7	0.0
WKLRZY	130.3	1.3	0.7	162.3	0.2	0.0	74.7	0.1	0.6	468.0	0.1	0.6	265.7	-0.3	0.9
		20.3	2.9		6.7	2.5		2.0	2.3		4.0	9.0		-10.0	6.8
LZAKW9	117.7	0.5	0.5	164.0	0.2	0.0	76.5	0.2	0.2	490.3	0.4	0.2	268.3	-0.2	0.8
		7.6	2.1		8.3	1.0		3.9	0.8		26.3	3.1		-7.3	6.4
J4HWZD	116.0	0.4	0.5	659.6	11.6	5.9	88.4	0.7	0.2	465.7	0.0	0.7	277.4	0.0	0.8
		5.9	2.2		503.9	853.7		15.8	0.9		1.7	10.7		1.7	6.1
PM96DA	114.6	0.3	0.7	171.4	0.4	0.0	74.0	0.1	0.2	464.0	0.0	0.6	265.3	-0.3	0.2
		4.6	2.9		15.8	2.9		1.4	0.7		0.0	8.7		-10.4	1.6
7MTEJU	95.7	-0.9	0.3	141.7	-0.3	0.0	72.0	0.0	0.8	435.7	-0.4	0.2	262.0	-0.4	0.4
		-14.4	1.2		-14.0	3.1		-0.7	3.0		-28.3	3.5		-13.7	3.0
BCCJ6Q	110.0	0.0	0.8	155.7	0.0	0.0	70.7	-0.1	0.7	451.3	-0.2	1.3	267.3	-0.2	0.8
		0.0	3.5		0.0	5.1		-2.0	2.5		-12.7	18.8		-8.3	6.7
7G8JHQ	131.7	1.4	0.9	170.7	0.3	0.0	71.3	-0.1	1.7	498.0	0.5	1.1	296.3	0.6	0.6
		21.6	4.0		15.0	3.8		-1.3	6.7		34.0	15.6		20.7	4.5
H4YZND	117.7	0.5	0.6	176.7	0.5	0.0	62.7	-0.4	0.8	478.0	0.2	1.3	255.3	-0.6	1.2
		7.6	2.5		21.0	5.8		-10.0	3.1		14.0	19.7		-20.3	9.5
FHNX2J	106.3	-0.2	0.8	127.3	-0.7	0.0	71.7	0.0	0.7	403.3	-0.9	1.0	234.7	-1.2	0.6
		-3.7	3.5		-28.3	5.0		-1.0	2.6		-60.7	14.4		-41.0	4.9
RUHB6W	113.7	0.2	0.3	156.0	0.0	0.0	64.7	-0.4	0.7	468.0	0.1		298.0	0.7	0.2
		3.6	1.2		0.3	1.7		-8.0	2.9		4.0	0.0		22.3	1.7
AMG7JH	115.7	0.4	0.4	149.0	-0.2		83.7	0.5	0.1	441.7	-0.3	2.9	282.7	0.2	0.2
		5.6	1.5		-6.7	0.0		11.0	0.6		-22.3	43.2		7.0	1.5
WEPC6W	107.7	-0.2	0.6	156.7	0.0	0.0	68.3	-0.2	0.8	482.3	0.3	0.6	292.0	0.5	0.9
		-2.4	2.5		1.0	4.9		-4.3	3.2		18.3	9.0		16.3	7.0
FVERDC	92.0	-1.2	0.2	116.5	-0.9	0.0	64.7	-0.4	0.2	334.4	-2.0	0.9	199.1	-2.2	0.7
		-18.0	0.7		-39.2	3.4		-8.0	0.7		-129.6	13.2		-76.6	5.3
Grand Median		110.0		155.7			72.7			464.0			275.7		
Median Abs Dev		7.6		14.9			4.6			27.8			17.3		
Avg Within Lab SD		4.3		144.4			3.8			14.7			7.9		
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		

	Na Ammonium Acetate (SubTestCode 143)			in the Bases (1:10) Property Groups						Data units: mg/kg					
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
QV2TTC	17.7	-0.4	0.6	12.0	-0.2		11.3	0.0	0.2	19.0	0.0	0.4	19.7	0.0	1.3
		-3.0	1.5		-1.0	0.0		-0.2	0.6		0.0	1.0		-0.3	2.9
4FGU6Y	50.7	3.5	0.1	35.3	3.8	0.7	33.1	3.6	1.5	43.9	2.7	1.2	47.1	2.6	0.9
		30.0	0.2		22.3	2.1		21.5	3.5		24.9	3.1		27.1	1.9
6VRW4Y	21.6	0.1	1.0	15.9	0.5	0.5	12.0	0.1	0.4	25.9	0.7	1.0	20.2	0.0	1.3
		1.0	2.5		2.9	1.3		0.5	1.0		6.9	2.4		0.2	2.9
L2ZREK	20.4	0.0	0.3	10.3	-0.5	0.1	9.5	-0.3	0.1	19.7	0.1	0.0	20.5	0.1	0.2
		-0.3	0.8		-2.7	0.2		-2.0	0.2		0.7	0.1		0.5	0.4
WZDPZ9	16.0	-0.5	0.8	5.7	-1.3	0.5	4.7	-1.1	0.7	12.7	-0.7	0.6	13.3	-0.6	0.7
		-4.7	2.0		-7.3	1.5		-6.9	1.5		-6.3	1.5		-6.7	1.5
JXQR6N	13.0	-0.9	0.7	9.0	-0.7	0.4	6.3	-0.9	0.2	14.3	-0.5	0.2	14.3	-0.6	0.3
		-7.7	1.7		-4.0	1.0		-5.2	0.6		-4.7	0.6		-5.7	0.6
G38DZP	19.0	-0.2	0.8	12.0	-0.2	0.4	8.0	-0.6	0.4	15.7	-0.4	0.6	20.3	0.0	0.3
		-1.7	2.0		-1.0	1.0		-3.5	1.0		-3.3	1.5		0.3	0.6
GUGULG	21.0	0.0	0.0	14.6	0.3	0.2	12.9	0.2	0.1	19.8	0.1	0.1	22.2	0.2	0.2
		0.3	0.1		1.6	0.5		1.3	0.3		0.8	0.4		2.2	0.5
BMDY2M	23.7	0.4	0.4	15.3	0.4	0.3	12.0	0.1	0.8	20.7	0.2	1.1	21.8	0.2	1.2
		3.0	1.0		2.3	0.9		0.5	1.9		1.7	2.9		1.8	2.6
2724TW	16.2	-0.5	0.1	6.6	-1.1	0.1	11.5	0.0	0.0	11.3	-0.8	0.1	13.4	-0.6	0.2
		-4.5	0.2		-6.4	0.4		0.0	0.1		-7.7	0.3		-6.6	0.4
EQ8UCK	36.8	1.9	0.9	19.2	1.1	0.5	19.9	1.4	2.5	33.0	1.5	0.5	31.4	1.1	1.6
		16.1	2.3		6.2	1.3		8.4	5.8		14.0	1.3		11.4	3.5
B9GHCN	21.7	0.1	0.2	15.0	0.3		15.3	0.6	0.2	17.7	-0.1	0.2	21.7	0.2	0.3
		1.0	0.6		2.0	0.0		3.8	0.6		-1.3	0.6		1.7	0.6
CVNF9M	13.7	-0.8	0.8	6.0	-1.2	0.7	6.7	-0.8	1.3	10.3	-0.9	0.2	12.0	-0.8	0.5
		-7.0	2.1		-7.0	2.0		-4.9	3.1		-8.7	0.6		-8.0	1.0
324YCW	34.3	1.6	3.1	14.7	0.3	4.1	2.3	-1.5	1.0	43.3	2.6	2.0	83.7	6.2	3.0
		13.7	7.6		1.7	11.7		-9.2	2.3		24.3	5.0		63.7	6.5
JWV7DH	20.7	0.0	0.2	9.9	-0.5	0.1	10.8	-0.1	0.4	17.2	-0.2	0.9	19.7	0.0	0.6
		0.0	0.6		-3.1	0.1		-0.8	0.8		-1.9	2.3		-0.3	1.2
C2ET8P	17.7	-0.4	0.2	10.3	-0.5	0.2	9.0	-0.4	0.4	18.0	-0.1	0.7	20.0	0.0	0.5
		-3.0	0.6		-2.7	0.6		-2.5	1.0		-1.0	1.7		0.0	1.0
9KKUUL	27.7	0.8	1.2	16.7	0.6	0.2	8.3	-0.5	0.2	14.0	-0.5	0.7	13.7	-0.6	0.3
		7.0	2.9		3.7	0.6		-3.2	0.6		-5.0	1.7		-6.3	0.6
28C3PQ	17.8	-0.3	0.2	10.8	-0.4	0.4	13.3	0.3	1.1	14.4	-0.5	0.3	17.4	-0.3	1.7
		-2.9	0.5		-2.2	1.1		1.8	2.5		-4.7	0.8		-2.6	3.6
B8MWKH	18.0	-0.3		7.0	-1.0		11.0	-0.1		18.0	-0.1		16.0	-0.4	
		-2.7	0.0		-6.0	0.0		-0.5	0.0		-1.0	0.0		-4.0	0.0
LZAKW9	21.1	0.1	0.8	10.4	-0.4	0.0	8.8	-0.5	0.3	20.3	0.1	0.6	19.3	-0.1	0.9
		0.4	2.1		-2.6	0.1		-2.7	0.7		1.3	1.4		-0.7	2.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
J4HWZD	29.5	1.0	0.1	21.5	1.5	0.2	19.8	1.4	0.2	24.6	0.6	0.5	24.5	0.4	0.5
		8.8	0.2		8.5	0.7		8.2	0.5		5.6	1.2		4.5	1.2
PM96DA	19.4	-0.1	0.6	14.3	0.2	0.7	12.4	0.1	0.6	19.7	0.1	0.6	17.9	-0.2	0.3
		-1.2	1.5		1.3	2.0		0.8	1.3		0.7	1.6		-2.1	0.7
BCCJ6Q	20.7	0.0	0.5	13.0	0.0	0.0	11.7	0.0	0.2	19.7	0.1	0.2	20.0	0.0	0.5
		0.0	1.2		0.0	0.0		0.1	0.6		0.7	0.6		0.0	1.0
7G8JHQ	17.3	-0.4	0.6	13.7	0.1	2.3	9.3	-0.4	1.2	16.3	-0.3	0.2	18.7	-0.1	0.5
		-3.3	1.5		0.7	6.5		-2.2	2.9		-2.7	0.6		-1.3	1.2
FHNX2J	19.0	-0.2	1.2	10.1	-0.5	0.4	12.0	0.1	1.5	15.9	-0.3	0.4	15.7	-0.4	0.5
		-1.7	3.0		-2.9	1.1		0.4	3.5		-3.1	1.0		-4.3	1.2
WEPC6W	23.0	0.3		17.0	0.7		14.0	0.4		25.0	0.6		24.0	0.4	
		2.3	0.0		4.0	0.0		2.5	0.0		6.0	0.0		4.0	0.0
FVERDC	49.2	3.3	2.8	13.4	0.1	1.0	26.8	2.5	2.8	48.4	3.2	3.9	41.0	2.0	1.7
		28.6	7.0		0.4	2.8		15.2	6.6		29.4	9.9		21.0	3.7
Grand Median		20.7		13.0			11.5			19.0			20.0		
Median Abs Dev		3.0		2.7			2.5			3.3			2.6		
Avg Within Lab SD		2.5		2.9			2.3			2.5			2.2		
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		

Bray Extractable K (SubTestCode 144)	in the Bases (1:10) Property Groups								Data units: mg/kg	
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415	
RFZGXD	20.9	0.8	99.3	1.2	56.6	0.7	242.4	0.7	242.8	1.0
		1.1		3.0		1.2		2.7		3.3
WKLRZY	22.1	1.1	102.3	0.2	66.3	0.7	267.0	0.4	204.3	0.9
		1.5		0.6		1.2		1.7		3.1
WEPC6W	28.0	1.0	109.0	1.2	68.5	1.4	256.5	1.5	211.5	1.1
		1.4		2.8		2.1		6.4		3.5
Grand Median	22.1		102.3		66.3		256.5		211.5	
Median Abs Dev										
Avg Within Lab SD	1.3		2.4		1.5		4.1		3.3	
Labs Included	3		3		3		3		3	
Labs Reporting	3		3		3		3		3	



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

K- Bicarb. (SubTestCode 145)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
RVVXMC	27.0	1.2	91.0	0.9	77.7	1.0	294.3	0.8	195.3	1.2	
		1.7		1.0		0.6		2.1		2.1	
QGYAAZ	6.2	0.8	24.9	1.1			26.5	1.1	24.2	0.7	
		1.2		1.2				2.8		1.1	
Grand Median	16.6		57.9		77.7		160.4		109.8		
Median Abs Dev											
Avg Within Lab SD	1.5		1.1		0.6		2.5		1.7		
Labs Included	2		2		1		2		2		
Labs Reporting	2		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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		

K Modified Morgan (SubTestCode 146)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
LNX664	26.0	1.0	95.5	1.0	76.8	1.0	332.3	1.0	283.7	1.0	
		1.3		4.3		1.6		7.7		8.3	
Grand Median		26.0		95.5		76.8		332.3		283.7	
Median Abs Dev											
Avg Within Lab SD		1.3		4.3		1.6		7.7		8.3	
Labs Included		1		1		1		1		1	
Labs Reporting		1		1		1		1		1	



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

Ca Modified Morgan (SubTestCode 147)	in the Bases (1:10) Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
LNX664	986.5	1.0 47.2	807.7	1.0 58.6	153.8	1.0 3.3	2,376.2	1.0 29.6	3,942.3	1.0 152.9	
Grand Median	986.5		807.7		153.8		2,376.2		3,942.3		
Median Abs Dev											
Avg Within Lab SD	47.2		58.6		3.3		29.6		152.9		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



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

Aluminum KCL Extr. (SubTestCode 148)	in the Bases (1:10) Property Groups										Data units: mg/kg			
SRSSRS1411	SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415							
RVVXMC	1.00				171.67			1.00						
		0.00				0.20			0.00					
6VRW4Y	1.85	1.17	0.73	1.00	75.32	0.58		1.53	1.33					
		0.12		0.45		1.34			0.21					
U2UBC6	0.92	0.79			86.80	1.08		1.60	0.49					
		0.08				3.10			0.08					
Grand Median	1.00		0.73		86.8			1.53						
Median Abs Dev														
Avg Within Lab SD	0.11		0.45		2.9			0.16			0.00			
Labs Included	3		1		3			3			0			
Labs Reporting	3		1		3			3			0			



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

Mehlich-1, P (SubTestCode 149)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WXYZLE	96.1	-1.0	0.2	44.8	-0.7	1.3	4.3	-0.7	0.3	9.1	-0.7	0.4	35.6	-0.6	0.3
		-13.7	0.3		-2.4	1.2		-0.7	0.1		-2.9	0.2		-6.0	0.4
U2UBC6	116.8	0.5	0.7	50.0	0.8	1.4	5.3	0.4	2.0	17.0	1.2	0.4	49.1	0.8	1.9
		7.1	0.8		2.9	1.3		0.4	0.9		5.0	0.2		7.5	2.5
LQ2XXG	120.3	0.7	0.5	49.3	0.6	0.6	6.0	1.1		13.7	0.4	1.4	47.7	0.6	0.4
		10.6	0.6		2.2	0.6		1.1	0.0		1.7	0.6		6.0	0.6
JTEQYJ	102.7	-0.5	1.8	45.0	-0.6		4.5	-0.4		10.3	-0.4	1.4	35.0	-0.7	
		-7.1	2.3		-2.2	0.0		-0.4	0.0		-1.7	0.6		-6.6	0.0
Grand Median		109.8			47.2			4.92			12.0			41.6	
Median Abs Dev		8.8			2.3			0.54			2.3			6.3	
Avg Within Lab SD		1.3			0.9			0.43			0.4			1.3	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	



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

Mehlich-1, K (SubTestCode 150)	in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WXYZLE	20.7	-0.1	0.8	77.3	1.2	0.3	53.6	1.7	0.2	171.6	-0.7	0.2	137.5	0.0	0.5
		-1.0	0.8		2.5	0.6		5.5	0.6		-5.0	0.6		-0.4	1.5
U2UBC6	47.9	2.5	0.6	74.8	0.0	1.5	47.4	-0.2	0.4	174.5	-0.3	1.3	160.4	2.6	1.7
		26.3	0.7		0.1	2.6		-0.6	0.9		-2.1	4.9		22.6	5.6
LQ2XXG	21.0	-0.1	1.6	71.7	-1.4	1.2	46.0	-0.6	1.9	178.7	0.3	1.3	137.7	0.0	0.9
		-0.7	1.7		-3.1	2.1		-2.1	4.4		2.1	5.0		-0.2	2.9
JTEQYJ	22.3	0.1	0.5	74.7	0.0	0.3	48.7	0.2	0.3	185.3	1.3	0.8	138.0	0.0	
		0.7	0.6		-0.1	0.6		0.6	0.6		8.8	2.9		0.2	0.0
Grand Median		21.7			74.7			48.1			176.6			137.8	
Median Abs Dev		0.8			1.3			1.3			3.5			0.3	
Avg Within Lab SD		1.1			1.7			2.3			3.8			3.2	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	



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

Mehlich-1, Ca (SubTestCode 151)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg			
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
WXYZLE	1,325.2	0.0	0.3	841.2	-0.3	0.6	173.1	1.8	0.3	1,653.0	-1.3	0.3	3,354.9	-1.3	0.6	
		0.3	11.4		-4.7	9.0		22.8	1.8		-153.0	13.6		-298.3	29.9	
U2UBC6	1,306.0	-1.2	1.7	826.7	-1.2	1.2	147.0	-0.3	1.7	1,894.7	0.7	1.7	3,761.7	0.5	1.7	
		-19.0	54.8		-19.3	17.8		-3.4	9.3		88.7	67.3		108.5	91.9	
LQ2XXG	1,348.3	1.5	0.6	859.0	0.8	1.2	153.7	0.3	1.0	1,847.7	0.3	0.7	3,772.0	0.5	0.8	
		23.4	19.1		13.1	16.7		3.4	5.7		41.7	26.7		118.8	41.0	
JTEQYJ	1,324.7	0.0	0.9	850.7	0.3	0.9	145.0	-0.4	0.3	1,764.3	-0.3	0.7	3,544.7	-0.5	0.1	
		-0.3	29.5		4.7	12.7		-5.3	1.7		-41.7	25.4		-108.5	4.6	
Grand Median	1,325.0			845.9			150.3			1,806.0			3,653.2			
Median Abs Dev	9.6			8.9			4.3			65.2			113.7			
Avg Within Lab SD	33.1			14.5			5.6			39.0			52.6			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



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

Mehlich-1, Mg (SubTestCode 152)		in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg			
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WXYZLE	109.7	-1.1	0.5	135.8	0.2	0.4	67.5	1.3	0.3	304.0	-1.5	0.2	226.6	-1.1	0.4
		-5.5	1.3		1.2	1.0		3.8	1.0		-22.5	1.4		-8.9	2.3
U2UBC6	112.8	-0.5	1.7	125.8	-1.7	1.7	63.6	0.0	0.4	333.0	0.4	1.8	240.8	0.7	1.8
		-2.4	4.7		-8.8	4.5		0.0	1.3		6.5	10.9		5.3	9.4
LQ2XXG	118.7	0.7	0.4	137.3	0.5	0.8	63.7	0.0	0.9	332.0	0.4	0.6	239.0	0.4	0.7
		3.4	1.2		2.8	2.1		0.0	3.1		5.5	3.6		3.5	3.5
JTEQYJ	117.7	0.5	0.9	133.3	-0.2	0.4	59.8	-1.3	1.7	321.0	-0.4	0.6	232.0	-0.4	
		2.4	2.5		-1.2	1.2		-3.8	5.9		-5.5	3.5		-3.5	0.0
Grand Median		115.2			134.6			63.7			326.5			235.5	
Median Abs Dev		2.9			2.0			1.9			6.0			4.4	
Avg Within Lab SD		2.8			2.6			3.4			6.1			5.1	
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 153)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WXYZLE	21.4	-0.5	0.0	73.2	-0.3	0.8	45.8	0.1	1.2	60.7	-1.8	0.2	41.2	-0.6	0.2
		-4.3	0.2		-1.8	1.5		1.7	1.7		-6.7	0.2		-4.0	0.2
U2UBC6	21.8	-0.4	0.1	69.8	-0.9	1.5	1.3	-2.5	0.0	67.3	0.0	1.4	49.1	0.5	1.9
		-3.9	0.6		-5.2	2.9		-42.9	0.0		-0.2	1.9		3.9	2.7
LQ2XXG	29.5	0.4	0.1	81.2	1.1	0.8	43.2	-0.1	1.6	67.6	0.0	1.0	52.8	1.1	0.4
		3.9	0.8		6.3	1.6		-0.9	2.4		0.2	1.4		7.6	0.6
JTEQYJ	37.0	1.3	2.0	76.7	0.3	0.7	45.0	0.1		70.3	0.8	0.9	41.3	-0.5	0.4
		11.4	18.2		1.8	1.4		0.9	0.0		2.9	1.2		-3.9	0.6
Grand Median		25.6		74.9			44.1			67.4			45.2		
Median Abs Dev		4.1		3.5			1.3			1.5			3.9		
Avg Within Lab SD		9.1		2.0			1.5			1.3			1.4		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

Mehlich-1, Zn (SubTestCode 154)	in the Mehlich-1 Multi Element (scoop) Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WXYZLE	6.32	-1.56	1.18	1.11	-0.27	0.27	1.01	-0.01	0.01	0.95	-1.46	0.20	1.05	-0.37	0.99
		-0.67	0.27		-0.03	0.01		-0.22	0.01		-0.38	0.01		-0.12	0.04
U2UBC6	6.92	-0.17	1.01	1.34	1.82	1.67	42.70	2.67	2.00	1.66	1.24	0.40	1.55	1.10	1.55
		-0.08	0.23		0.20	0.09		41.47	1.64		0.33	0.03		0.37	0.06
LQ2XXG	7.07	0.17	0.25	1.17	0.27	1.06	1.13	-0.01	0.07	1.33	0.00	0.87	1.30	0.37	0.00
		0.08	0.06		0.03	0.06		-0.09	0.06		0.00	0.06		0.12	0.00
JTEQYJ	7.33	0.79	1.24	1.10	-0.33	0.00	1.32	0.01	0.07	1.33	0.00	1.74	0.88	-0.86	0.80
		0.34	0.28		-0.04	0.00		0.09	0.06		0.00	0.12		-0.29	0.03
Grand Median		6.99		1.14			1.23			1.33			1.18		
Median Abs Dev		0.21		0.03			0.15			0.16			0.21		
Avg Within Lab SD		0.23		0.05			0.82			0.07			0.04		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



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

Mehlich-3, Scoop Density (SubTestCode 155)			in the Mehlich-3 Multi-Element Property Groups												Data units: g/cm3	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	1.02	-0.98	0.68	1.14	-0.53	1.80	0.88	-0.28	0.50	1.07	-1.06	0.68	1.09	-0.89	0.92	
		-0.10	0.01		-0.07	0.02		-0.03	0.01		-0.12	0.01		-0.09	0.01	
BMDY2M	1.08	-0.41	0.41	1.17	-0.32	1.25	0.89	-0.15	0.32	1.15	-0.37	0.48	1.16	-0.23	1.12	
		-0.04	0.00		-0.04	0.01		-0.02	0.00		-0.04	0.01		-0.02	0.02	
EPDALE	1.14	0.23	1.37	1.26	0.48	0.69	0.91	0.00	2.72	1.19	0.06	0.78	1.18	0.02	2.57	
		0.02	0.02		0.06	0.01		0.00	0.04		0.01	0.01		0.00	0.04	
B8MWKH	1.29	1.71		1.45	2.00		1.08	1.36		1.37	1.67		1.38	1.90		
		0.17	0.00		0.25	0.00		0.17	0.00		0.18	0.00		0.20	0.00	
7PG2YN	1.18	0.60	0.00	1.18	-0.20	0.00	1.18	2.18	0.00	1.18	-0.06	0.00	1.18	-0.02	0.00	
		0.06	0.00		-0.03	0.00		0.27	0.00		-0.01	0.00		0.00	0.00	
LZAKW9	1.17	0.53	0.52	1.29	0.69	1.20	1.01	0.82	0.75	1.29	0.94	0.00	1.28	0.97	0.42	
		0.05	0.01		0.09	0.01		0.10	0.01		0.10	0.00		0.10	0.01	
BCCJ6Q	1.04	-0.86	0.00	1.13	-0.61	0.00	0.84	-0.60	0.00	1.12	-0.65	0.00	1.12	-0.64	0.00	
		-0.09	0.00		-0.08	0.00		-0.07	0.00		-0.07	0.00		-0.07	0.00	
K88ZXA	1.01	-1.13	0.93	1.11	-0.78	0.60	0.78	-1.07	0.50	1.06	-1.17	2.76	1.07	-1.09	0.42	
		-0.11	0.01		-0.10	0.01		-0.13	0.01		-0.13	0.04		-0.11	0.01	
2PWFGW	1.13	0.14	2.12	1.32	0.92	1.22	0.95	0.27	0.44	1.25	0.60	0.69	1.26	0.72	0.64	
		0.01	0.02		0.11	0.01		0.03	0.01		0.07	0.01		0.08	0.01	
N8W8V4	1.11	-0.14	1.37	1.23	0.20	1.20	0.91	0.00	1.11	1.20	0.15	0.78	1.21	0.27	0.73	
		-0.01	0.02		0.03	0.01		0.00	0.02		0.02	0.01		0.03	0.01	
Grand Median		1.12		1.21			0.91			1.19			1.18			
Median Abs Dev		0.06		0.07			0.05			0.07			0.07			
Avg Within Lab SD		0.01		0.01			0.02			0.01			0.01			
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 Colorimetric (SubTestCode 156)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
6VRW4Y	199.9	-1.1	2.5	85.6	0.0	2.3	12.2	0.1	1.1	22.0	1.2	1.7	54.7	0.1	1.9	
		-87.6	18.5		-0.4	5.7		0.3	0.7		6.6	1.1		1.8	4.3	
BMDY2M	232.6	-0.7	0.9	86.3	0.0	0.9	11.7	0.0	1.0	15.0	-0.1	1.6	52.7	0.0	1.3	
		-54.9	6.9		0.4	2.3		-0.2	0.6		-0.3	1.0		-0.2	3.1	
9KKUUL	345.3	0.7	0.2	87.7	0.1	0.6	10.0	-0.5	1.7	18.7	0.6	0.9	54.3	0.1	0.3	
		57.8	1.5		1.7	1.5		-1.8	1.0		3.3	0.6		1.5	0.6	
7PG2YN	253.3	-0.4	0.8	64.3	-0.9	1.2	13.0	0.3		12.0	-0.6		42.3	-0.8	0.3	
		-34.2	5.8		-21.6	3.1		1.2	0.0		-3.3	0.0		-10.5	0.6	
XU4TVY	490.0	2.5		175.0	3.5		26.0	3.6		28.0	2.3		93.0	3.2		
		202.5	0.0		89.0	0.0		14.2	0.0		12.7	0.0		40.2	0.0	
JJN8KB	288.0	0.0		73.0	-0.5		9.8	-0.5	0.5	13.3	-0.4	0.9	45.0	-0.6		
		0.5	0.0		-13.0	0.0		-2.0	0.3		-2.0	0.6		-7.8	0.0	
Q7GPP4	287.1	0.0	0.1	81.7	-0.2	0.2	10.6	-0.3	0.1	14.4	-0.2	0.1	46.8	-0.5	0.1	
		-0.5	0.4		-4.3	0.4		-1.3	0.1		-0.9	0.1		-6.1	0.3	
7G8JHQ	293.3	0.1	0.2	91.7	0.2	0.2	12.0	0.0	1.7	15.7	0.1	0.9	53.0	0.0	1.6	
		5.8	1.5		5.7	0.6		0.2	1.0		0.3	0.6		0.2	3.6	
Grand Median		287.5		86.0			11.8			15.3			52.8			
Median Abs Dev		44.6		5.0			1.2			2.7			4.0			
Avg Within Lab SD		7.3		2.5			0.6			0.6			2.3			
Labs Included		8		8			8			8			8			
Labs Reporting		8		8			8			8			8			



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

Mehlich-3, P ICP-AES (SubTestCode 157)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	329.0	0.5	0.4	91.0	0.0	0.7	10.3	-2.1	0.3	15.3	-1.3	0.4	55.8	0.2	0.9	
		28.6	3.0		-0.3	2.0		-5.8	0.3		-4.1	0.3		1.2	1.3	
QV2TTC	313.3	0.2	0.8	94.7	0.2	1.9	16.1	0.0	2.8	20.8	0.4	1.3	58.7	0.7	0.9	
		12.9	6.1		3.4	5.3		-0.1	2.4		1.4	1.0		4.2	1.2	
RFZGXD	324.1	0.4	0.2	103.6	0.7	0.5	17.7	0.6	0.3	20.6	0.4	0.7	61.2	1.1	0.7	
		23.8	1.7		12.3	1.3		1.5	0.3		1.2	0.5		6.7	0.9	
TNT9JC	275.5	-0.4	0.7	87.3	-0.2	0.7	13.5	-1.0		17.0	-0.8		52.3	-0.4	0.2	
		-24.9	4.9		-4.0	1.9		-2.7	0.0		-2.4	0.0		-2.2	0.3	
JXQR6N	304.6	0.1	2.1	100.2	0.5	1.2	18.0	0.7	2.2	22.7	1.1	2.3	61.7	1.2	0.8	
		4.2	15.7		8.9	3.2		1.8	1.9		3.3	1.7		7.2	1.0	
T9XRTE	332.0	0.6	1.1	94.7	0.2	1.3	16.3	0.1	0.7				58.3	0.6	1.6	
		31.6	8.0		3.4	3.5		0.2	0.6					3.8	2.1	
GUGULG	315.3	0.3	0.2	87.6	-0.2	1.0	15.2	-0.3	1.4	17.8	-0.6	1.0	54.2	0.0	0.5	
		14.9	1.5		-3.7	2.7		-0.9	1.2		-1.7	0.8		-0.3	0.6	
26RTZY	260.3	-0.7	3.4	78.2	-0.7	1.6	13.8	-0.8	1.3	17.4	-0.7	2.1	49.1	-0.9	1.8	
		-40.1	25.5		-13.1	4.5		-2.3	1.1		-2.0	1.5		-5.4	2.3	
MXYZLE	236.4	-1.1	0.5	91.4	0.0	0.4	15.8	-0.1	0.3	17.5	-0.6	0.7	52.2	-0.4	0.9	
		-64.0	3.6		0.1	1.1		-0.3	0.3		-2.0	0.5		-2.3	1.2	
GTL9VB	284.4	-0.3	1.4	84.3	-0.4	1.4	20.6	1.6	0.8	19.1	-0.1	0.9	52.4	-0.4	1.3	
		-16.0	10.3		-7.0	3.8		4.5	0.7		-0.3	0.7		-2.1	1.7	
24X99T	235.6	-1.1	0.7	86.8	-0.2	0.4	14.2	-0.7	0.7	16.1	-1.1	1.5	48.1	-1.0	0.8	
		-64.7	5.5		-4.5	1.2		-1.9	0.6		-3.3	1.1		-6.4	1.0	
EPDALE	319.3	0.3	1.4	84.4	-0.4	0.9	17.1	0.4	0.6	19.0	-0.1	0.8	53.6	-0.1	0.6	
		19.0	10.3		-6.9	2.5		1.0	0.5		-0.4	0.6		-0.9	0.8	
B8MWKH	228.0	-1.3		62.0	-1.6		14.0	-0.8		14.0	-1.8			-1.4		
		-72.4	0.0		-29.3	0.0		-2.2	0.0		-5.4	0.0		-8.5	0.0	
LZAKW9	318.7	0.3	1.0	95.5	0.2	0.1	16.8	0.2	0.4	20.3	0.3	0.7	54.8	0.0	0.7	
		18.3	7.5		4.2	0.2		0.6	0.4		0.8	0.5		0.3	0.9	
9GXLYQ	95.7	-3.6		228.0	7.6		18.8	1.0		21.1	0.5		49.4	-0.8		
		-204.7	0.0		136.7	0.0		2.6	0.0		1.6	0.0		-5.1	0.0	
7MTEJU	287.0	-0.2	0.2	84.1	-0.4	0.7	14.0	-0.8	0.2	19.3	0.0	0.3	55.1	0.1	0.2	
		-13.4	1.7		-7.2	2.1		-2.2	0.2		-0.1	0.2		0.6	0.2	
V7GHA4	229.6	-1.2	0.1	81.2	-0.6	0.1	14.8	-0.5	0.1	19.4	0.0	0.1	52.6	-0.3	0.0	
		-70.8	0.5		-10.1	0.2		-1.3	0.1		0.0	0.1		-1.9	0.1	
BCCJ6Q	296.2	-0.1	0.3	90.6	0.0	0.2	17.4	0.5	0.8	19.5	0.0	1.9	53.9	-0.1	3.0	
		-4.2	2.3		-0.7	0.5		1.2	0.7		0.1	1.4		-0.6	4.0	
3DGBJZ	327.5	0.5		93.4	0.1		17.9	0.6		16.3	-1.0		53.7	-0.1		
		27.1	0.0		2.1	0.0		1.7	0.0		-3.1	0.0		-0.9	0.0	
K88ZXA	288.9	-0.2	0.6	79.4	-0.7	0.5	16.2	0.0	0.9	12.9	-2.1	0.5	47.4	-1.2	1.1	
		-11.4	4.5		-11.9	1.3		0.1	0.8		-6.6	0.4		-7.1	1.5	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
EWPAWH	316.9	0.3	0.0	91.2	0.0	0.1	16.1	0.0	0.4	20.9	0.5	0.1	56.7	0.4	0.0
		16.6	0.2		-0.1	0.2		-0.1	0.3		1.5	0.1		2.2	0.0
2PWFGW	294.7	-0.1	0.2	110.7	1.1	0.4	17.2	0.4	0.3	21.1	0.6	0.1	63.6	1.5	0.1
		-5.7	1.6		19.4	1.1		1.1	0.3		1.7	0.1		9.1	0.2
E4RJ3A	283.7	-0.3	0.6	93.8	0.1	0.2	14.4	-0.6	1.8	19.7	0.1	1.7	58.3	0.6	0.5
		-16.7	4.2		2.5	0.5		-1.7	1.6		0.2	1.3		3.8	0.7
LNx664	431.5	2.3	1.0	97.4	0.3	3.1	13.8	-0.9	1.2	20.3	0.3	0.7	67.7	2.2	1.5
		131.2	7.2		6.1	8.8		-2.4	1.0		0.9	0.6		13.2	2.0
WEPC6W	349.9	0.9		104.5	0.7		17.8	0.6		23.1	1.2		62.6	1.3	
		49.5	0.0		13.2	0.0		1.7	0.0		3.6	0.0		8.1	0.0
36MZBP	317.7	0.3	0.7	97.8	0.4	0.9	22.7	2.4	1.1	23.3	1.3	0.4	57.3	0.5	0.4
		17.3	5.3		6.5	2.5		6.5	0.9		3.8	0.3		2.8	0.5
Grand Median		300.4			91.3			16.2			19.4			54.5	
Median Abs Dev		21.4			6.3			1.7			1.7			3.3	
Avg Within Lab SD		7.5			2.8			0.9			0.7			1.3	
Labs Included		26			26			26			25			26	
Labs Reporting		26			26			26			25			26	



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

	Mehlich-3, K (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	27.8	-0.2	0.4	109.8	-0.6	1.0	62.3	-0.5	0.2	321.3	-0.6	0.6	299.0	-1.0	0.7	
		-1.9	1.3		-10.9	4.8		-9.9	0.8		-31.4	8.8		-31.0	7.0	
QV2TTC	30.2	0.1	0.3	125.3	0.3	0.7	68.9	-0.2	0.3	394.1	0.8	0.2	351.5	0.7	0.6	
		0.6	1.1		4.7	3.2		-3.4	1.1		41.4	3.2		21.5	5.7	
RFZGXD	30.5	0.1	0.0	133.2	0.7	0.0	79.3	0.3	0.1	404.8	1.0	0.2	356.2	0.9	0.3	
		0.8	0.2		12.5	0.2		7.1	0.4		52.2	3.0		26.2	2.8	
TNT9JC	27.2	-0.3	0.1	126.0	0.3	1.1	65.8	-0.3	0.2	335.3	-0.3	0.9	330.5	0.0	0.6	
		-2.5	0.3		5.3	5.1		-6.4	0.8		-17.3	12.3		0.5	5.4	
T9XRTE	24.0	-0.6	0.3	133.3	0.8	1.4	67.0	-0.2	0.3				335.3	0.2	0.1	
		-5.7	1.0		12.7	6.8		-5.2	1.0					5.3	1.2	
GUGULG	37.1	0.8	0.2	131.5	0.6	0.2	81.7	0.4	0.2	394.5	0.8	0.1	360.6	1.0	0.3	
		7.4	0.8		10.9	0.8		9.4	0.5		41.9	1.6		30.6	3.3	
BMDY2M	29.7	0.0	0.3	120.3	0.0	0.2	70.0	-0.1	0.3	369.3	0.3	0.2	344.0	0.5	0.7	
		0.0	1.2		-0.3	1.2		-2.2	1.0		16.7	3.1		14.0	7.2	
26RTZY	32.9	0.3	0.9	99.4	-1.3	4.4	61.9	-0.5	3.4	328.6	-0.4	4.1	350.9	0.7	2.3	
		3.3	3.0		-21.2	21.3		-10.4	11.6		-24.0	59.5		20.9	22.2	
MXYZLE	36.9	0.7	4.9	129.0	0.5	0.3	74.5	0.1	0.5	353.0	0.0	0.3	337.2	0.2	0.6	
		7.2	16.9		8.4	1.5		2.2	1.8		0.3	4.8		7.2	6.3	
GTL9VB	29.5	0.0	0.1	116.2	-0.3	0.3	352.2	12.8	0.6	73.0	-5.2	0.0	310.6	-0.6	0.2	
		-0.1	0.4		-4.4	1.6		280.0	2.1		-279.7	0.4		-19.4	1.8	
24X99T	24.8	-0.5	0.2	123.1	0.1	0.3	67.6	-0.2	0.2	371.6	0.4	0.2	334.1	0.1	1.0	
		-4.8	0.8		2.5	1.6		-4.7	0.8		19.0	3.5		4.1	9.4	
EPDALE	31.7	0.2	0.2	117.7	-0.2	0.3	89.2	0.8	2.2	363.7	0.2	0.5	324.7	-0.2	0.3	
		2.0	0.8		-3.0	1.5		17.0	7.3		11.0	7.5		-5.3	3.1	
B8MWKH	28.0	-0.2		93.0	-1.6		74.0	0.1		262.0	-1.7		281.0	-1.6		
		-1.7	0.0		-27.7	0.0		1.8	0.0		-90.7	0.0		-49.0	0.0	
7PG2YN	24.0	-0.6		106.0	-0.9		58.7	-0.6	0.7	352.3	0.0	0.1	322.3	-0.3	0.1	
		-5.7	0.0		-14.7	0.0		-13.6	2.3		-0.3	2.1		-7.7	0.6	
LZAKW9	23.6	-0.6	0.1	120.7	0.0	0.2	66.8	-0.2	0.4	381.3	0.5	0.5	332.7	0.1	0.5	
		-6.1	0.5		0.0	1.2		-5.5	1.4		28.7	6.5		2.7	4.9	
XU4TVY	36.0	0.6		122.0	0.1		73.0	0.0		360.0	0.1		330.0	0.0		
		6.3	0.0		1.3	0.0		0.8	0.0		7.3	0.0		0.0	0.0	
9GXLYQ	125.5	9.8		34.5	-5.1		77.0	0.2		367.4	0.3		344.8	0.5		
		95.8	0.0		-86.2	0.0		4.8	0.0		14.7	0.0		14.8	0.0	
7MTEJU	22.2	-0.8	0.1	108.7	-0.7	0.3	55.0	-0.8	0.5	334.3	-0.3	0.3	300.7	-1.0	0.7	
		-7.5	0.4		-12.0	1.5		-17.2	1.8		-18.3	3.8		-29.3	6.7	
V7GHA4	22.1	-0.8	0.3	107.4	-0.8	0.1	63.2	-0.4	0.1	343.3	-0.2	0.0	287.3	-1.4	0.1	
		-7.6	1.0		-13.3	0.4		-9.0	0.2		-9.3	0.6		-42.7	0.6	
BCCJ6Q	28.0	-0.2	0.2	117.9	-0.2	0.5	71.2	0.0	0.9	345.2	-0.1	1.0	326.0	-0.1	2.6	
		-1.7	0.6		-2.8	2.6		-1.0	3.1		-7.5	14.5		-4.0	25.8	



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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		
3DGBJZ	31.8	0.2		114.6	-0.4		91.3	0.9		297.6	-1.0		267.0	-2.1	
		2.1	0.0		-6.1	0.0		19.0	0.0		-55.1	0.0		-63.0	0.0
JJN8KB	28.0	-0.2		116.0	-0.3	0.4	69.3	-0.1	0.7	349.3	-0.1	0.2	311.3	-0.6	0.1
		-1.7	0.0		-4.7	2.0		-2.9	2.3		-3.3	3.1		-18.7	1.2
Q7GPP4	32.3	0.3	0.1	126.2	0.3	0.1	73.8	0.1	0.1	337.5	-0.3	0.2	307.0	-0.8	0.1
		2.6	0.3		5.6	0.3		1.5	0.3		-15.2	2.3		-23.0	1.0
K88ZXA	31.7	0.2	0.4	91.3	-1.7	0.2	71.8	0.0	0.5	307.7	-0.8	0.8	288.8	-1.4	1.3
		2.0	1.5		-29.4	1.2		-0.4	1.6		-45.0	11.6		-41.2	12.3
7G8JHQ	41.0	1.2	2.0	126.7	0.4	0.6	80.7	0.4	2.3	377.0	0.5	2.6	348.0	0.6	2.4
		11.3	7.0		6.0	2.9		8.4	7.8		24.3	37.3		18.0	23.3
EWPAWH	28.2	-0.1	0.3	124.7	0.2	0.1	73.6	0.1	0.1	377.6	0.5	0.3	324.5	-0.2	0.1
		-1.4	1.2		4.1	0.4		1.4	0.4		24.9	5.0		-5.5	0.8
2PWFGW	30.5	0.1	0.1	145.2	1.5	0.0	80.7	0.4	0.2	425.2	1.4	0.0	377.3	1.6	0.7
		0.8	0.4		24.6	0.2		8.5	0.7		72.5	0.5		47.3	6.5
E4RJ3A	35.6	0.6	0.6	125.2	0.3	0.6	72.2	0.0	0.4	337.4	-0.3	0.5	312.2	-0.6	0.2
		6.0	1.9		4.5	2.9		0.0	1.5		-15.3	7.4		-17.8	2.0
LNx664	33.0	0.3	1.0	126.0	0.3	1.9	72.9	0.0	2.2	401.2	0.9	1.2	358.7	0.9	2.0
		3.4	3.6		5.3	9.1		0.6	7.5		48.5	17.4		28.7	19.6
WEPC6W	26.4	-0.3		128.3	0.5		74.7	0.1		409.7	1.1		355.0	0.8	
		-3.2	0.0		7.6	0.0		2.4	0.0		57.1	0.0		25.0	0.0
36MZBP	28.6	-0.1	0.4	120.6	0.0	1.2	70.1	-0.1	0.6	342.0	-0.2	0.9	318.3	-0.4	1.7
		-1.1	1.2		0.0	5.6		-2.1	2.2		-10.6	12.9		-11.7	17.1
Grand Median		29.7			120.7			72.2			352.7			330.0	
Median Abs Dev		2.6			6.0			4.8			21.5			18.7	
Avg Within Lab SD		3.5			4.8			3.4			14.4			9.8	
Labs Included		31			31			31			30			31	
Labs Reporting		31			31			31			30			31	



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

Mehlich-3, Ca (SubTestCode 159)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	1,032.0	-0.9	0.3	957.8	-0.8	0.6	162.5	-0.2	0.0	2,222.0	-0.7	0.2	4,354.0	-0.4	0.1
		-179.2	38.6		-122.2	24.8		-43.6	1.3		-303.2	24.0		-305.2	19.5
QV2TTC	1,232.2	0.1	0.4	1,015.5	-0.4	1.3	178.7	-0.1	0.0	2,608.8	0.2	0.7	4,848.2	0.3	1.7
		21.0	41.6		-64.4	53.2		-27.4	1.1		83.7	75.1		189.1	232.6
RFZGXD	1,433.3	1.1	0.0	1,309.3	1.5	0.1	224.5	0.1	0.1	3,121.3	1.3	0.8	5,724.3	1.4	0.0
		222.1	3.8		229.4	2.5		18.4	1.5		596.2	79.3		1,065.2	5.9
TNT9JC	1,210.0	0.0	0.2	1,107.2	0.2	0.5	205.8	0.0	0.0	2,502.0	-0.1	0.0	5,226.7	0.8	0.8
		-1.2	19.9		27.3	18.5		-0.3	0.6		-23.2	4.9		567.5	109.1
T9XRTE	1,291.3	0.4	0.6	1,147.0	0.4	0.7	203.0	0.0	0.2				4,991.3	0.4	1.8
		80.2	62.7		67.1	29.8		-3.1	4.6					332.2	251.6
GUGULG	1,576.0	1.8	0.5	1,085.0	0.0	0.4	283.0	0.4	0.2	2,621.0	0.2	0.3	4,783.0	0.2	0.1
		364.8	58.5		5.1	15.0		77.0	4.5		95.8	27.4		123.8	13.5
26RTZY	1,171.7	-0.2	1.8	861.5	-1.5	3.6	284.5	0.4	1.3	2,032.0	-1.1	4.0	3,971.0	-0.9	3.3
		-39.5	200.2		-218.4	143.0		78.4	34.1		-493.2	410.8		-688.2	446.7
MXYZLE	1,228.2	0.1	0.1	1,175.7	0.6	0.5	221.6	0.1	0.1	2,580.2	0.1	0.3	4,820.3	0.2	0.3
		17.0	12.1		95.8	19.2		15.5	3.1		55.1	35.2		161.2	40.8
GTL9VB	1,402.3	0.9	0.3	1,098.1	0.1	0.7	2,634.7	13.0	3.2	313.1	-4.8	0.1	4,668.5	0.0	0.9
		191.2	36.6		18.2	29.5		2,428.6	87.6		-2,212.1	10.4		9.4	121.0
24X99T	1,144.3	-0.3	0.2	1,076.8	0.0	1.2	179.0	-0.1	0.0	2,577.5	0.1	0.1	4,714.3	0.1	1.2
		-66.8	24.7		-3.1	46.3		-27.1	1.2		52.3	14.7		55.2	161.1
EPDALE	1,392.3	0.9	0.8	1,087.0	0.0	0.8	357.7	0.8	2.5	2,554.3	0.1	0.7	4,552.7	-0.1	0.3
		181.2	86.1		7.1	31.6		151.6	69.0		29.2	68.1		-106.5	46.5
B8MWKH	1,052.0	-0.8		723.0	-2.4		184.0	-0.1		1,594.0	-2.0		382.0	-5.7	
		-159.2	0.0		-356.9	0.0		-22.1	0.0		-931.2	0.0		-4,277.2	0.0
7PG2YN	1,201.3	0.0	0.1	1,147.7	0.5	0.5	255.3	0.3	0.7	2,584.7	0.1	0.4	4,720.7	0.1	0.3
		-9.8	8.1		67.8	20.4		49.3	18.5		59.5	41.0		61.5	38.7
LZAKW9	1,141.0	-0.3	0.2	1,037.3	-0.3	0.3	241.3	0.2	0.7	2,675.0	0.3	0.1	4,666.0	0.0	0.5
		-70.2	20.1		-42.6	11.0		35.3	20.1		149.8	11.4		6.8	68.5
XU4TVY	808.0	-2.0		1,035.0	-0.3		220.0	0.1		2,412.0	-0.2		4,005.0	-0.9	
		-403.2	0.0		-44.9	0.0		13.9	0.0		-113.2	0.0		-654.2	0.0
9GXLYQ	1,110.5	-0.5		1,206.9	0.8		294.4	0.5		2,398.2	-0.3		4,192.1	-0.6	
		-100.7	0.0		126.9	0.0		88.3	0.0		-127.0	0.0		-467.1	0.0
7MTEJU	1,212.3	0.0	0.2	1,083.0	0.0	0.9	181.0	-0.1	0.1	2,612.0	0.2	0.3	4,652.3	0.0	0.3
		1.2	17.8		3.1	34.4		-25.1	1.7		86.8	27.0		-6.8	44.5
V7GHA4	764.7	-2.2	4.6	909.7	-1.1	0.0	143.3	-0.3	0.0	2,394.7	-0.3	0.0	4,481.3	-0.2	0.1
		-446.5	515.0		-170.3	0.6		-62.8	0.6		-130.5	5.0		-177.8	10.3
BCCJ6Q	1,225.5	0.1	0.2	1,140.3	0.4	0.3	289.4	0.4	2.3	2,490.2	-0.1	1.1	4,697.9	0.1	1.8
		14.3	17.8		60.4	12.0		83.3	61.7		-34.9	109.5		38.7	245.5
3DGBJZ	925.2	-1.4		709.8	-2.5		159.5	-0.2		1,494.4	-2.2		2,601.9	-2.7	
		-286.0	0.0		-370.1	0.0		-46.6	0.0		-1,030.8	0.0		-2,057.3	0.0



ALP Program - Participant Web Summary Report - Cycle 25

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
JJN8KB	1,123.7	-0.4	0.1	1,053.7	-0.2	0.6	241.7	0.2	0.4	2,380.3	-0.3	0.2	4,431.3	-0.3	0.2
		-87.5	10.5		-26.3	21.9		35.6	10.5		-144.8	15.8		-227.8	31.5
Q7GPP4	1,086.9	-0.6	0.0	995.3	-0.6	0.0	202.7	0.0	0.1	2,881.0	0.8	0.0	4,202.7	-0.6	0.1
		-124.2	0.9		-84.6	1.5		-3.4	1.5		355.8	3.6		-456.5	8.3
K88ZXA	1,216.7	0.0	0.5	937.0	-0.9	0.2	294.7	0.5	0.9	2,301.5	-0.5	0.7	4,263.7	-0.5	0.5
		5.5	53.1		-142.9	9.7		88.6	23.9		-223.7	68.9		-395.4	72.4
7G8JHQ	1,557.3	1.7	0.7	924.7	-1.0	1.8	206.3	0.0	1.3	2,484.3	-0.1	2.3	4,350.0	-0.4	0.9
		346.2	72.1		-155.3	72.3		0.3	36.7		-40.8	239.6		-309.2	120.5
2PWFGW	1,326.5	0.6	0.1	1,247.0	1.1	0.4	160.3	-0.2	0.1	2,939.1	0.9	0.4	5,294.6	0.8	0.1
		115.3	14.0		167.1	17.9		-45.8	2.9		413.9	37.4		635.5	13.7
E4RJ3A	1,161.7	-0.2	0.1	1,007.5	-0.5	0.2	203.5	0.0	0.3	2,525.2	0.0	1.0	4,540.4	-0.2	1.0
		-49.5	7.4		-72.4	9.7		-2.6	9.5		0.0	100.1		-118.7	134.4
LNx664	1,415.0	1.0	0.8	1,102.0	0.1	2.0	193.0	-0.1	0.7	2,914.3	0.8	0.9	5,307.3	0.9	1.5
		203.8	94.2		22.1	80.7		-13.1	17.8		389.2	90.3		648.2	209.0
WEPC6W	1,257.5	0.2		1,151.0	0.5		166.3	-0.2		2,755.3	0.5		4,737.6	0.1	
		46.3	0.0		71.1	0.0		-39.8	0.0		230.2	0.0		78.5	0.0
Grand Median		1,211.2			1,079.9			206.1			2,525.2			4,659.2	
Median Abs Dev		94.1			69.4			35.4			130.5			266.5	
Avg Within Lab SD		110.9			39.8			27.2			102.7			136.9	
Labs Included		28			28			28			27			28	
Labs Reporting		28			28			28			27			28	



ALP Program - Participant Web Summary Report - Cycle 25

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

Mehlich-3, Mg (SubTestCode 160)			in the Mehlich-3 Multi-Element Property Groups									Data units: mg/kg			
SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	114.3	-0.7	0.3	151.3	-0.8	1.2	75.0	-0.1	0.5	438.0	-0.2	0.7	284.8	-0.9	0.5
		-8.8	1.3		-14.7	5.8		-3.6	2.2		-17.0	10.0		-31.6	5.3
QV2TTC	129.1	0.5	0.4	172.5	0.4	0.5	77.6	0.0	0.0	508.8	0.8	0.5	344.7	0.8	0.4
		6.1	2.1		6.5	2.4		-1.1	0.2		53.9	6.9		28.4	4.4
RFZGXD	133.1	0.8	0.1	190.6	1.4	0.1	90.4	0.4	0.2	530.6	1.1	0.2	350.9	1.0	0.2
		10.1	0.6		24.6	0.4		11.8	1.0		75.7	3.1		34.6	1.9
TNT9JC	132.8	0.8	0.6	174.2	0.5	0.1	79.3	0.0	0.3	451.8	0.0	1.3	346.2	0.9	0.8
		9.8	2.9		8.2	0.6		0.7	1.3		-3.1	18.4		29.9	8.1
T9XRTE	123.3	0.0	1.1	173.3	0.4	0.9	80.3	0.1	0.5				331.0	0.4	0.7
		0.3	5.1		7.3	4.7		1.7	2.5					14.7	7.2
GUGULG	130.8	0.6	0.2	170.9	0.3	0.3	83.8	0.2	0.1	493.0	0.5	0.1	350.1	1.0	0.3
		7.8	0.9		4.9	1.3		5.2	0.4		38.1	1.3		33.8	3.4
26RTZY	115.2	-0.6	3.4	153.8	-0.7	3.1	74.2	-0.2	2.5	383.6	-1.0	4.0	296.7	-0.6	3.2
		-7.8	16.0		-12.2	15.3		-4.4	11.8		-71.3	55.4		-19.6	31.7
MXYZLE	128.2	0.4	0.2	177.0	0.6	0.6	84.1	0.2	0.3	455.0	0.0	0.9	327.3	0.3	0.8
		5.2	0.8		11.0	3.2		5.4	1.6		0.0	12.0		11.0	7.9
GTL9VB	110.2	-1.0	1.3	156.2	-0.6	1.0	434.7	12.3	3.8	75.1	-5.4	0.3	289.7	-0.8	0.9
		-12.8	6.0		-9.8	5.1		356.1	18.1		-379.8	4.1		-26.6	8.9
24X99T	119.8	-0.2	0.6	171.2	0.3	1.5	78.0	0.0	0.4	487.9	0.5	0.1	328.4	0.4	0.7
		-3.2	3.0		5.2	7.4		-0.7	1.7		32.9	1.5		12.1	7.0
EPDALE	132.0	0.7	0.4	165.0	-0.1	0.6	98.2	0.7	0.2	468.7	0.2	0.7	302.3	-0.4	0.6
		9.0	1.7		-1.0	3.0		19.6	0.8		13.7	9.3		-14.0	5.5
B8MWKH	121.0	-0.2		126.0	-2.3		75.0	-0.1		331.0	-1.8		292.0	-0.7	
		-2.0	0.0		-40.0	0.0		-3.6	0.0		-124.0	0.0		-24.3	0.0
7PG2YN	132.3	0.7	0.5	180.0	0.8		84.0	0.2	1.1	465.0	0.1	0.7	324.0	0.2	
		9.3	2.3		14.0	0.0		5.4	5.2		10.0	10.4		7.7	0.0
LZAKW9	120.3	-0.2	0.3	174.0	0.5		82.7	0.1	0.4	477.0	0.3	0.7	313.0	-0.1	0.5
		-2.7	1.5		8.0	0.0		4.0	1.7		22.0	10.0		-3.3	5.3
XU4TVY	118.8	-0.3	0.0	158.4	-0.4	0.0	94.1	0.5	0.0	405.9	-0.7	0.0	282.2	-1.0	0.0
		-4.2	0.0		-7.6	0.0		15.5	0.0		-49.1	0.0		-34.1	0.0
9GXLYQ	181.0	4.5		130.1	-2.0		91.0	0.4		470.1	0.2		324.1	0.2	
		58.0	0.0		-35.9	0.0		12.4	0.0		15.1	0.0		7.8	0.0
7MTEJU	122.0	-0.1	0.6	159.7	-0.4	1.7	73.3	-0.2	0.4	449.0	-0.1	0.5	297.0	-0.6	0.6
		-1.0	2.6		-6.3	8.6		-5.3	2.1		-6.0	7.5		-19.3	5.6
V7GHA4	105.0	-1.4	0.2	146.3	-1.1	0.1	64.3	-0.5	0.1	432.3	-0.3	0.0	284.3	-0.9	0.1
		-18.0	1.0		-19.7	0.6		-14.3	0.6		-22.6	0.6		-32.0	0.6
BCCJ6Q	121.1	-0.1	0.6	166.0	0.0	0.4	77.8	0.0	0.4	444.9	-0.1	1.2	313.9	-0.1	1.9
		-1.9	3.0		0.0	2.0		-0.9	1.8		-10.0	16.1		-2.4	18.5
3DGBJZ	123.5	0.0		148.9	-1.0		96.7	0.6		373.6	-1.2		251.5	-1.9	
		0.5	0.0		-17.1	0.0		18.1	0.0		-81.4	0.0		-64.8	0.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
JJN8KB	122.7	0.0	1.2	168.0	0.1		75.7	-0.1	0.3	459.0	0.1	0.9	318.7	0.1	0.6
		-0.3	5.8		2.0	0.0		-3.0	1.5		4.0	12.1		2.4	6.4
Q7GPP4	111.8	-0.9	0.1	159.2	-0.4	0.2	68.3	-0.4	0.1	408.0	-0.7	0.2	322.0	0.2	0.3
		-11.2	0.7		-6.8	1.1		-10.4	0.3		-47.0	3.5		5.7	2.6
K88ZXA	125.4	0.2	0.2	155.4	-0.6	0.5	92.0	0.5	0.6	452.6	0.0	0.9	299.7	-0.5	2.0
		2.4	0.7		-10.6	2.2		13.3	2.7		-2.4	13.0		-16.7	19.7
7G8JHQ	141.7	1.4	1.8	180.7	0.8	1.0	72.7	-0.2	0.5	451.7	0.0	0.6	323.0	0.2	0.3
		18.7	8.4		14.7	5.0		-6.0	2.5		-3.3	9.0		6.7	2.6
2PWFGW	124.2	0.1	0.5	187.1	1.2	0.5	77.0	-0.1	0.2	535.3	1.1	0.4	342.5	0.8	0.0
		1.2	2.2		21.1	2.3		-1.7	0.7		80.3	6.2		26.2	0.5
E4RJ3A	116.6	-0.5	0.7	154.3	-0.7	0.5	75.2	-0.1	0.9	481.1	0.4	0.1	277.1	-1.1	1.0
		-6.4	3.2		-11.7	2.5		-3.5	4.3		26.1	1.2		-39.2	9.8
LNK664	136.3	1.0	2.4	176.7	0.6	2.7	89.5	0.4	1.7	534.8	1.1	1.5	359.6	1.3	1.9
		13.3	11.3		10.7	13.3		10.9	7.8		79.8	21.2		43.3	18.2
WEPC6W	110.5	-1.0		166.0	0.0		69.5	-0.3		459.5	0.1		257.9	-1.7	
		-12.5	0.0		0.0	0.0		-9.1	0.0		4.5	0.0		-58.5	0.0
Grand Median		123.0			166.0			78.6			455.0			316.3	
Median Abs Dev		7.1			10.2			5.3			22.6			21.9	
Avg Within Lab SD		4.7			5.0			4.7			13.9			9.8	
Labs Included		28			28			28			27			28	
Labs Reporting		28			28			28			27			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, Na (SubTestCode 161)			in the Mehlich-3 Multi-Element Property Groups									Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
QV2TTC	18.7	0.2	0.3	8.6	-0.3	0.2	7.7	-0.3	0.1	16.7	0.2	0.1	17.8	0.0	0.4
		1.7	0.6		-2.2	0.5		-1.8	0.3		1.3	0.3		0.0	0.9
TNT9JC	15.7	-0.2	0.3	12.0	0.1	0.5	10.7	0.2	0.7	14.3	-0.2	0.5	15.7	-0.4	0.5
		-1.3	0.6		1.2	1.0		1.2	1.2		-1.1	1.2		-2.1	1.2
GUGULG	17.3	0.0	0.1	12.0	0.1	0.2	13.7	0.6	0.2	15.0	-0.1	0.1	17.9	0.0	0.1
		0.3	0.3		1.2	0.3		4.2	0.3		-0.5	0.2		0.1	0.2
26RTZY	15.6	-0.2	1.6	11.1	0.0	1.2	9.6	0.0	0.7	17.2	0.3	1.2	19.6	0.3	0.5
		-1.4	3.4		0.3	2.3		0.0	1.2		1.7	2.6		1.8	1.2
GTL9VB	22.1	0.7	0.2	13.9	0.4	0.0	18.4	1.4	0.2	14.1	-0.3	0.0	18.7	0.1	0.4
		5.1	0.3		3.0	0.1		8.9	0.4		-1.4	0.1		0.9	1.0
EPDALE	20.8	0.5	0.3	10.5	0.0	0.2	9.5	0.0	0.6	15.9	0.1	0.2	16.8	-0.2	0.0
		3.8	0.6		-0.3	0.4		0.0	1.0		0.4	0.5		-1.0	0.1
B8MWKH	21.0	0.5		14.0	0.4		13.0	0.5		28.0	2.5		30.0	2.1	
		4.0	0.0		3.2	0.0		3.5	0.0		12.5	0.0		12.2	0.0
LZAKW9	13.7	-0.4	0.2	6.5	-0.6	0.5	4.9	-0.7	0.6	12.7	-0.6	0.3	14.7	-0.5	0.6
		-3.2	0.4		-4.3	1.0		-4.7	1.1		-2.8	0.6		-3.1	1.3
9GXLYQ	14.6	-0.3		20.5	1.2		9.5	0.0		18.3	0.6		24.7	1.2	
		-2.4	0.0		9.7	0.0		0.0	0.0		2.8	0.0		6.9	0.0
V7GHA4	15.5	-0.2	0.2	6.6	-0.5	0.2	5.8	-0.6	0.0	12.3	-0.6	0.3	12.4	-0.9	0.2
		-1.4	0.5		-4.2	0.3		-3.7	0.1		-3.1	0.6		-5.4	0.4
BCCJ6Q	14.6	-0.3	1.0	8.0	-0.4	0.4	7.6	-0.3	0.6	13.3	-0.4	0.9	17.8	0.0	1.9
		-2.4	2.1		-2.9	0.9		-1.9	1.1		-2.1	2.0		0.0	4.2
3DGBJZ	47.5	4.0		37.4	3.4		27.4	2.7		22.6	1.4		30.6	2.2	
		30.5	0.0		26.6	0.0		17.9	0.0		7.2	0.0		12.8	0.0
K88ZXA	28.9	1.5	0.6	4.4	-0.8	0.4	4.6	-0.7	0.3	14.0	-0.3	0.6	14.0	-0.6	0.4
		11.9	1.4		-6.4	0.7		-4.9	0.6		-1.4	1.2		-3.8	1.0
7G8JHQ	16.7	0.0	0.3	7.7	-0.4	0.3	7.0	-0.4	1.2	15.3	0.0	0.7	16.7	-0.2	0.5
		-0.3	0.6		-3.2	0.6		-2.5	2.0		-0.1	1.5		-1.1	1.2
2PWFGW	13.7	-0.4	0.1	5.7	-0.7	0.0	3.8	-0.9	0.0	13.2	-0.5	0.0	14.3	-0.6	0.1
		-3.3	0.1		-5.1	0.1		-5.7	0.0		-2.3	0.0		-3.5	0.3
E4RJ3A	21.1	0.5	0.7	16.0	0.7	1.1	15.9	1.0	0.7	22.0	1.3	0.3	22.7	0.8	1.0
		4.1	1.5		5.1	2.0		6.4	1.1		6.5	0.6		4.9	2.3
LNx664	30.7	1.8	3.6	21.5	1.4	3.8	18.8	1.4	3.7	28.9	2.7	3.8	29.4	2.0	3.4
		13.7	7.8		10.7	7.2		9.3	6.3		13.4	8.3		11.6	7.7
WEPC6W	14.5	-0.3		5.9	-0.6		6.7	-0.4		15.6	0.0		16.9	-0.1	
		-2.5	0.0		-4.9	0.0		-2.8	0.0		0.1	0.0		-0.9	0.0



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median		17.0		10.8			9.52			15.5			17.8		
Median Abs Dev		2.8		3.7			3.58			1.9			2.6		
Avg Within Lab SD		2.2		1.9			1.69			2.2			2.3		
Labs Included		18		18			18			18			18		
Labs Reporting		18		18			18			18			18		



ALP Program - Participant Web Summary Report - Cycle 25

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

	Mehlich-3, S (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
QV2TTC	15.7	0.1	3.0	11.2	0.2	3.3	14.1	0.8	2.2	14.6	0.2	3.4	161.8	0.5	1.5		
		0.7	3.6		1.1	2.5		3.5	2.6		1.3	4.2		13.3	6.0		
RFZGXD	15.2	0.0	0.3	10.8	0.1	0.1	10.5	0.0	0.1	16.9	0.5	0.4	136.5	-0.5	0.1		
		0.3	0.3		0.7	0.1		0.0	0.2		3.6	0.5		-12.0	0.5		
TNT9JC	28.0	2.2	1.7	24.3	2.7	2.1	9.0	-0.4		48.0	4.8	0.8	177.0	1.1	1.0		
		13.0	2.0		14.2	1.5		-1.5	0.0		34.7	1.0		28.5	4.0		
T9XRTE	16.3	0.2	0.5	8.0	-0.4		8.7	-0.4	0.5				143.3	-0.2	2.5		
		1.4	0.6		-2.1	0.0		-1.9	0.6					-5.2	10.1		
GUGULG	13.6	-0.2	0.3	8.0	-0.4	0.6	9.0	-0.4	0.2	12.2	-0.2	0.5	121.7	-1.0	0.2		
		-1.4	0.4		-2.1	0.4		-1.5	0.2		-1.2	0.6		-26.8	0.8		
26RTZY	13.9	-0.2	0.2	10.0	0.0	0.5	6.2	-1.0	0.7	18.3	0.7	0.7	77.6	-2.7	1.0		
		-1.1	0.3		-0.1	0.4		-4.4	0.8		5.0	0.9		-70.9	4.0		
MXYZLE	16.3	0.2	0.2	10.9	0.2	0.2	12.5	0.4	0.3	13.3	0.0	0.3	155.5	0.3	0.5		
		1.3	0.3		0.8	0.2		1.9	0.4		0.0	0.4		7.0	1.9		
GTL9VB	14.3	-0.1	0.3	9.1	-0.2	0.2	18.3	1.8	1.3	7.0	-0.9	0.1	106.0	-1.6	1.1		
		-0.7	0.3		-1.0	0.2		7.8	1.5		-6.3	0.1		-42.5	4.4		
24X99T	14.7	0.0	1.9	10.8	0.1	0.7	12.1	0.4	0.5	14.1	0.1	1.0	158.0	0.4	1.5		
		-0.3	2.3		0.7	0.5		1.6	0.6		0.8	1.3		9.5	6.3		
EPDALE	14.3	-0.1	0.3	7.6	-0.5	0.2	9.8	-0.2	0.5	11.0	-0.3	0.1	148.7	0.0	1.1		
		-0.7	0.4		-2.5	0.2		-0.7	0.6		-2.4	0.2		0.2	4.6		
B8MWKH	13.6	-0.2		8.6	-0.3		8.4	-0.5		11.0	-0.3		112.0	-1.4			
		-1.4	0.0		-1.5	0.0		-2.1	0.0		-2.3	0.0		-36.5	0.0		
LZAKW9	12.0	-0.5	0.4	7.5	-0.5	0.2	7.0	-0.8	0.4	11.4	-0.3	0.3	148.3	0.0	0.3		
		-2.9	0.5		-2.6	0.2		-3.5	0.5		-1.9	0.4		-0.2	1.2		
9GXLYQ	9.1	-1.0		15.1	1.0		11.3	0.2		12.9	-0.1		153.4	0.2			
		-5.9	0.0		5.0	0.0		0.7	0.0		-0.5	0.0		4.9	0.0		
7MTEJU	14.3	-0.1	0.1	8.5	-0.3	0.5	8.4	-0.5	0.3	11.5	-0.3	0.6	161.3	0.5	0.7		
		-0.6	0.2		-1.6	0.4		-2.2	0.3		-1.9	0.7		12.8	2.9		
V7GHA4	16.0	0.2		8.9	-0.2	0.2	9.1	-0.3	0.1	12.4	-0.1	0.2	133.3	-0.6	0.4		
		1.0	0.0		-1.2	0.1		-1.4	0.1		-0.9	0.2		-15.2	1.5		
BCCJ6Q	17.8	0.5	1.6	12.3	0.4	1.9	13.1	0.6	2.2	14.9	0.2	1.9	149.0	0.0	0.8		
		2.8	1.9		2.2	1.4		2.5	2.6		1.6	2.3		0.5	3.1		
3DGBJZ	39.8	4.2		31.5	4.1		25.1	3.4		31.8	2.6		130.5	-0.7			
		24.9	0.0		21.4	0.0		14.6	0.0		18.5	0.0		-18.0	0.0		
K88ZXA	0.8	-2.4	0.0	2.6	-1.4	0.2	5.6	-1.1	0.2	2.4	-1.5	0.1	126.7	-0.8	0.6		
		-14.2	0.0		-7.5	0.1		-4.9	0.2		-10.9	0.1		-21.8	2.4		
2PWFGW	13.4	-0.3	0.0	10.1	0.0	0.3	10.7	0.0	0.1	13.0	0.0	0.1	177.4	1.1	0.8		
		-1.6	0.0		0.1	0.2		0.2	0.1		-0.3	0.1		28.9	3.1		
E4RJ3A	22.3	1.3	1.8	16.8	1.3	1.2	18.0	1.7	2.8	20.8	1.0	1.6	176.9	1.1	1.6		
		7.3	2.2		6.7	0.9		7.4	3.2		7.4	2.0		28.4	6.6		



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
LNX664	18.2	0.6	0.5	12.2	0.4	0.4	10.6	0.0	0.8	14.4	0.1	0.4	148.2	0.0	1.3
		3.3	0.6		2.1	0.3		0.1	0.9		1.0	0.6		-0.3	5.4
WEPC6W	15.4	0.1		9.0	-0.2		10.5	0.0		13.3	0.0		151.1	0.1	
		0.4	0.0		-1.1	0.0		0.0	0.0		0.0	0.0		2.6	0.0
Grand Median		15.0			10.1			10.5			13.3			148.5	
Median Abs Dev		1.4			1.8			1.9			1.9			13.1	
Avg Within Lab SD		1.2			0.7			1.1			1.2			4.1	
Labs Included		22			22			22			21			22	
Labs Reporting		22			22			22			21			22	



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

	Mehlich-3, Al (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	1,498.5	0.2	0.1	385.8	0.2	1.0	678.4	-0.1	0.3	955.2	0.3	0.5	795.0	0.4	0.1	
		74.5	1.6		15.4	11.8		-18.6	8.0		70.7	12.2		76.7	10.9	
GUGULG	1,025.7	-1.3	0.5	357.4	-0.2	0.1	593.3	-0.8	0.1	699.7	-0.9	0.6	606.0	-0.6	0.0	
		-398.3	13.7		-13.0	1.6		-103.7	2.4		-184.8	14.1		-112.3	4.4	
EPDALE	1,560.7	0.5	2.2	371.0	0.0	0.9	858.3	1.2	1.5	894.3	0.0	0.8	711.7	0.0	0.1	
		136.7	54.9		0.6	10.5		161.3	40.5		9.8	19.1		-6.7	10.0	
B8MWKH	1,331.0	-0.3		296.0	-1.2		742.0	0.3		751.0	-0.6		725.0	0.0		
		-93.0	0.0		-74.4	0.0		45.0	0.0		-133.5	0.0		6.7	0.0	
LZAKW9	1,378.3	-0.2	1.4	357.3	-0.2	0.5	696.7	0.0	0.3	874.7	0.0	0.7	705.3	-0.1	0.1	
		-45.7	35.2		-13.1	5.5		-0.3	9.1		-9.8	17.0		-13.0	6.4	
7MTEJU	1,448.0	0.1	0.1	376.0	0.1	0.3	678.3	-0.1	0.2	972.3	0.4	0.1	798.0	0.5	0.1	
		24.0	3.5		5.6	4.0		-18.7	6.7		87.8	3.1		79.7	9.5	
V7GHA4	1,400.0	-0.1		325.0	-0.7	0.1	586.3	-0.8	0.0	822.3	-0.3	0.1	467.7	-1.4	3.3	
		-24.0	0.0		-45.4	1.0		-110.7	0.6		-62.2	2.5		-250.7	344.4	
BCCJ6Q	1,374.0	-0.2	0.3	369.8	0.0	0.2	697.3	0.0	1.2	823.7	-0.3	1.1	706.5	-0.1	0.3	
		-50.0	6.5		-0.6	2.3		0.3	33.0		-60.8	27.1		-11.9	32.9	
3DGBJZ	1,913.0	1.6		479.0	1.7		999.1	2.2		1,265.0	1.8		988.7	1.5		
		489.0	0.0		108.6	0.0		302.1	0.0		380.5	0.0		270.4	0.0	
2PWFGW	1,461.5	0.1	0.2	422.3	0.8	0.1	777.0	0.6	0.1	1,008.2	0.6	0.2	834.0	0.7	0.1	
		37.5	4.5		51.9	1.0		80.0	2.5		123.7	4.7		115.6	6.4	
LNx664	2,383.0	3.2	2.2	521.3	2.4	3.1	874.6	1.3	2.8	1,463.0	2.7	3.0	1,172.7	2.6	0.8	
		959.0	54.5		150.9	35.7		177.6	76.2		578.5	74.4		454.3	84.7	
WEPC6W	1,332.0	-0.3		335.0	-0.6		620.9	-0.6		853.8	-0.1		687.8	-0.2		
		-92.0	0.0		-35.5	0.0		-76.1	0.0		-30.7	0.0		-30.6	0.0	
Grand Median		1,424.0			370.4			697.0			884.5			718.3		
Median Abs Dev		83.3			25.4			78.1			79.3			78.2		
Avg Within Lab SD		25.0			11.5			27.0			24.7			103.0		
Labs Included		12			12			12			12			12		
Labs Reporting		12			12			12			12			12		



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

Mehlich-3, Zn (SubTestCode 164)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
QV2TTC	7.93	0.31	0.78	1.77	0.20	1.84	1.40	0.00	0.00	2.50	0.88	0.47	2.70	1.12	0.00		
		0.36	0.21		0.26	0.21		0.00	0.00		0.51	0.10		0.60	0.00		
RFZGXD	7.57	0.00	0.05	1.32	-0.14	0.29	1.23	-0.50	0.20	1.90	-0.16	0.07	1.81	-0.55	0.27		
		0.00	0.01		-0.18	0.03		-0.17	0.02		-0.09	0.02		-0.29	0.03		
TNT9JC	7.97	0.34	0.57	1.90	0.30	1.53	1.67	0.76	1.72	2.23	0.42	0.54	2.63	1.00	1.18		
		0.40	0.15		0.40	0.17		0.27	0.15		0.24	0.12		0.53	0.12		
T9XRTE	7.53	-0.03	0.94	1.57	0.05	0.51	1.37	-0.10	0.65				2.23	0.25	0.59		
		-0.04	0.25		0.06	0.06		-0.03	0.06				2.23	0.13	0.06		
GUGULG	7.81	0.21	0.06	1.50	0.00	0.22	1.47	0.21	0.23	2.25	0.44	0.06	2.26	0.30	0.41		
		0.24	0.02		0.00	0.03		0.07	0.02		0.25	0.01	2.26	0.16	0.04		
26RTZY	5.58	-1.72	1.42	1.47	-0.03	1.72	1.19	-0.59	0.86	1.90	-0.16	0.44	2.20	0.19	0.26		
		-1.99	0.38		-0.04	0.19		-0.21	0.08		-0.09	0.10	2.20	0.10	0.03		
MXYZLE	7.67	0.09	0.68	1.51	0.00	0.84	1.33	-0.20	0.89	2.01	0.03	0.12	2.12	0.03	0.33		
		0.10	0.18		0.00	0.10		-0.07	0.08		0.02	0.03	2.12	0.02	0.03		
GTL9VB	8.31	0.64	3.65	1.04	-0.35	1.13	1.57	0.49	3.12	1.11	-1.53	1.09	1.63	-0.87	3.51		
		0.74	0.98		-0.46	0.13		0.17	0.28		-0.88	0.23	1.63	-0.47	0.34		
24X99T	6.73	-0.73	0.47	1.36	-0.11	0.33	1.21	-0.56	0.57	1.96	-0.06	0.23	2.03	-0.13	0.99		
		-0.84	0.13		-0.14	0.04		-0.19	0.05		-0.03	0.05	2.03	-0.07	0.10		
EPDALE	7.87	0.26	0.21	1.40	-0.08	1.53	1.67	0.76	0.65	2.57	0.99	4.17	1.92	-0.34	0.35		
		0.30	0.06		-0.10	0.17		0.27	0.06		0.57	0.90	1.92	-0.18	0.03		
B8MWKH	6.40	-1.01		1.30	-0.16		1.80	1.14		1.70	-0.51		1.90	-0.37			
		-1.17	0.00		-0.20	0.00		0.40	0.00		-0.29	0.00	1.90	-0.20	0.00		
LZAKW9	7.27	-0.26	0.62	1.87	0.28	1.84	1.36	-0.11	0.88	1.99	-0.01	0.16	1.94	-0.29	0.30		
		-0.30	0.17		0.36	0.21		-0.04	0.08		-0.01	0.04	1.94	-0.16	0.03		
9GXLYQ	2.90	-4.03		15.82	10.96		2.88	4.23		4.62	4.55		4.71	4.88			
		-4.67	0.00		14.31	0.00		1.48	0.00		2.63	0.00	4.71	2.61	0.00		
7MTEJU	6.63	-0.81	0.21	1.14	-0.28	0.45	1.26	-0.39	0.58	1.97	-0.03	0.05	2.32	0.41	0.62		
		-0.94	0.06		-0.37	0.05		-0.14	0.05		-0.02	0.01	2.32	0.22	0.06		
V7GHA4	7.03	-0.46	0.08	1.21	-0.22	0.05	1.18	-0.62	0.06	1.84	-0.26	0.03	1.76	-0.64	0.18		
		-0.54	0.02		-0.29	0.01		-0.22	0.01		-0.15	0.01	1.76	-0.34	0.02		
BCCJ6Q	7.97	0.34	1.14	1.67	0.13	0.51	1.60	0.57	1.12	2.17	0.30	0.27	2.10	0.00	2.04		
		0.40	0.31		0.16	0.06		0.20	0.10		0.17	0.06	2.10	0.00	0.20		
3DGBJZ	7.94	0.32		1.58	0.06		1.71	0.89		1.51	-0.84		1.74	-0.67			
		0.37	0.00		0.08	0.00		0.31	0.00		-0.48	0.00	1.74	-0.36	0.00		
K88ZXA	7.07	-0.43	0.17	0.92	-0.45	0.32	1.23	-0.49	0.31	1.51	-0.84	0.41	1.46	-1.20	0.59		
		-0.50	0.05		-0.58	0.04		-0.17	0.03		-0.48	0.09	1.46	-0.64	0.06		
2PWFGW	8.94	1.18	0.31	1.66	0.12	0.29	1.58	0.50	0.34	2.54	0.94	0.41	2.29	0.36	0.11		
		1.37	0.08		0.15	0.03		0.18	0.03		0.54	0.09	2.29	0.19	0.01		
LNx664	8.53	0.83	1.14	1.77	0.20	1.84	1.77	1.05	1.72	2.30	0.53	0.47	2.17	0.12	0.59		
		0.96	0.31		0.26	0.21		0.37	0.15		0.31	0.10	2.17	0.07	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		
WEPC6W	7.39	-0.16	0.00	1.43	-0.06	0.00	1.40	0.00	0.00	2.00	0.01	0.00	1.88	-0.41	0.00
Grand Median	7.57			1.50			1.40			1.99			2.10		
Median Abs Dev	0.40			0.18			0.18			0.25			0.20		
Avg Within Lab SD	0.27			0.11			0.09			0.21			0.10		
Labs Included	21			21			21			20			21		
Labs Reporting	21			21			21			20			21		



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

Mehlich-3, Mn (SubTestCode 165)			in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg	
	SRSSRS1411		SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
QV2TTC	53.0	0.4	0.2	131.2	0.4	0.2	62.2	-0.1	0.2	135.1	0.5	0.4	171.0	0.7	0.2	
		6.8	0.4		9.0	0.8		-2.2	0.6		8.1	1.7		11.1	0.7	
RFZGXD	48.6	0.2	0.2	135.5	0.6	0.0	68.9	0.3	0.2	139.9	0.8	0.2	182.4	1.5	0.1	
		2.5	0.4		13.4	0.0		4.5	0.5		12.9	1.2		22.5	0.6	
TNT9JC	37.0	-0.6		122.7	0.0	0.5	56.0	-0.5	0.4	116.3	-0.6	0.1	157.3	-0.2	0.3	
		-9.2	0.0		0.5	2.1		-8.4	1.0		-10.7	0.6		-2.5	1.2	
T9XRTE	46.3	0.0	0.4	124.0	0.1	0.4	61.0	-0.2	0.7				160.0	0.0	2.0	
		0.2	0.6		1.8	2.0		-3.4	1.7					0.1	7.8	
GUGULG	37.1	-0.6	0.1	110.3	-0.5	0.1	65.0	0.0	0.1	125.7	-0.1	0.2	155.1	-0.3	0.1	
		-9.1	0.2		-11.9	0.6		0.6	0.2		-1.4	1.2		-4.7	0.5	
26RTZY	41.4	-0.3	4.0	93.2	-1.3	3.9	50.6	-0.9	3.2	112.3	-0.9	4.0	159.7	0.0	2.6	
		-4.8	6.6		-29.0	18.0		-13.8	8.1		-14.8	19.1		-0.1	10.0	
MXYZLE	38.8	-0.5	0.7	128.9	0.3	0.1	69.1	0.3	0.3	130.4	0.2	0.3	162.0	0.1	0.2	
		-7.4	1.2		6.7	0.7		4.7	0.6		3.4	1.6		2.2	0.9	
GTL9VB	34.6	-0.7	0.3	110.5	-0.5	0.3	119.7	3.4	0.7	57.9	-4.1	0.2	150.9	-0.6	0.5	
		-11.5	0.4		-11.6	1.5		55.3	1.7		-69.2	0.7		-8.9	2.0	
24X99T	33.1	-0.8	0.6	124.9	0.1	0.8	61.9	-0.2	0.8	127.1	0.0	0.5	158.5	-0.1	0.7	
		-13.1	1.0		2.8	3.5		-2.5	2.0		0.0	2.1		-1.4	2.8	
EPDALE	52.8	0.4	0.7	116.7	-0.3	0.6	81.1	1.0	0.9	129.0	0.1	0.6	148.3	-0.7	0.7	
		6.7	1.2		-5.5	2.9		16.7	2.4		2.0	2.6		-11.5	2.9	
B8MWKH	46.0	0.0		106.0	-0.7		81.0	1.0		112.0	-0.9		136.0	-1.5		
		-0.2	0.0		-16.2	0.0		16.6	0.0		-15.1	0.0		-23.9	0.0	
LZAKW9	40.5	-0.3	0.0	119.0	-0.1	0.2	61.5	-0.2	0.7	122.0	-0.3	0.6	156.3	-0.2	0.4	
		-5.6	0.1		-3.2	1.0		-2.9	1.7		-5.1	2.6		-3.5	1.5	
9GXLYQ	136.0	5.6		42.6	-3.6		77.2	0.8		135.2	0.5		163.9	0.3		
		89.9	0.0		-79.5	0.0		12.8	0.0		8.2	0.0		4.1	0.0	
7MTEJU	32.5	-0.8	0.1	104.7	-0.8	0.8	61.7	-0.2	0.6	127.3	0.0	0.2	138.3	-1.4	0.5	
		-13.7	0.2		-17.5	3.5		-2.7	1.5		0.3	1.2		-21.5	2.1	
V7GHA4	55.6	0.6	0.3	121.7	0.0	0.1	59.5	-0.3	0.2	121.7	-0.3	0.1	166.3	0.4	0.1	
		9.4	0.5		-0.5	0.6		-4.9	0.5		-5.4	0.6		6.5	0.6	
BCCJ6Q	48.1	0.1	0.2	126.5	0.2	0.4	63.8	0.0	0.7	120.3	-0.4	0.8	164.8	0.3	2.6	
		2.0	0.4		4.4	1.8		-0.6	1.8		-6.8	3.7		4.9	10.0	
3DGBJZ	59.6	0.8		136.8	0.7		94.2	1.8		138.7	0.7		163.2	0.2		
		13.5	0.0		14.6	0.0		29.8	0.0		11.7	0.0		3.3	0.0	
2PWFGW	53.1	0.4	0.4	150.6	1.3	0.3	81.2	1.0	0.2	152.6	1.5	0.1	193.3	2.2	0.2	
		7.0	0.7		28.4	1.1		16.8	0.4		25.5	0.6		33.5	0.9	
LNK664	41.0	-0.3	1.5	97.3	-1.1	1.4	56.3	-0.5	2.3	121.9	-0.3	0.9	133.1	-1.7	0.8	
		-5.2	2.4		-24.8	6.4		-8.1	5.8		-5.2	4.2		-26.7	3.3	
WEPC6W	46.3	0.0		134.9	0.6		74.7	0.6		138.9	0.7		175.3	1.0		
		0.2	0.0		12.7	0.0		10.2	0.0		11.8	0.0		15.4	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	46.2			122.2			64.4			127.1			159.9		
Median Abs Dev	6.9			11.8			6.5			8.1			5.7		
Avg Within Lab SD	1.6			4.6			2.5			4.7			3.9		
Labs Included	20			20			20			19			20		
Labs Reporting	20			20			20			19			20		



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

Mehlich-3, Fe (SubTestCode 166)	in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
QV2TTC	294.5	0.2	0.2	325.7	0.2	0.4	217.7	-0.3	0.4	215.3	0.5	0.3	154.4	0.5	0.3
		15.2	2.8		10.2	4.7		-17.0	3.6		14.2	2.1		11.1	1.2
RFZGXD	306.8	0.3	0.1	334.0	0.4	0.0	237.0	0.0	0.2	225.3	0.9	0.3	154.7	0.5	0.3
		27.4	0.6		18.6	0.3		2.3	1.8		24.2	2.4		11.4	1.1
TNT9JC	234.7	-0.5	0.3	300.0	-0.3	0.4	174.3	-1.2	0.1	178.0	-0.8		135.3	-0.3	0.4
		-44.7	3.8		-15.4	4.6		-60.3	0.6		-23.1	0.0		-8.0	1.5
GUGULG	289.0	0.1	0.1	353.4	0.7	0.1	271.0	0.7	0.0	220.9	0.7	0.1	157.3	0.6	0.2
		9.6	1.7		38.0	1.8		36.3	0.5		19.8	0.8		14.0	0.7
26RTZY	250.7	-0.3	3.9	269.7	-0.9	4.0	205.0	-0.6	3.6	203.3	0.1	4.0	176.1	1.4	0.9
		-28.6	46.4		-45.7	50.4		-29.7	33.8		2.2	31.8		32.8	3.2
MXYZLE	242.3	-0.4	0.2	330.7	0.3	0.2	221.3	-0.3	0.9	197.6	-0.1	0.2	134.6	-0.4	0.9
		-37.0	2.9		15.3	2.8		-13.4	8.6		-3.5	1.2		-8.8	3.0
GTL9VB	268.6	-0.1	0.8	315.4	0.0	0.9	206.3	-0.5	0.7	213.4	0.4	1.1	141.9	-0.1	1.3
		-10.7	9.8		0.0	11.9		-28.4	6.1		12.3	8.4		-1.5	4.5
24X99T	231.4	-0.5	0.9	305.4	-0.2	1.0	200.0	-0.7	0.7	188.9	-0.4	0.7	125.5	-0.8	1.5
		-47.9	10.5		-10.0	13.3		-34.7	6.8		-12.2	5.6		-17.8	5.0
EPDALE	305.7	0.3	1.3	311.3	-0.1	0.3	265.0	0.6	0.6	195.3	-0.2	0.8	136.7	-0.3	0.9
		26.3	15.0		-4.1	3.5		30.3	6.0		-5.8	6.7		-6.7	3.2
B8MWKH	245.0	-0.4		193.0	-2.4		252.0	0.3		154.0	-1.7		127.0	-0.7	
		-34.3	0.0		-122.4	0.0		17.3	0.0		-47.1	0.0		-16.3	0.0
LZAKW9	258.0	-0.2	0.5	295.7	-0.4	0.2	203.0	-0.6	0.8	182.7	-0.7	0.4	133.0	-0.5	1.0
		-21.3	6.1		-19.8	2.5		-31.7	7.5		-18.4	2.9		-10.3	3.5
9GXLYQ	327.9	0.5		220.7	-1.9		268.0	0.6		190.1	-0.4		115.2	-1.2	
		48.5	0.0		-94.8	0.0		33.3	0.0		-11.0	0.0		-28.2	0.0
7MTEJU	247.0	-0.3	0.1	336.3	0.4	0.4	234.7	0.0	0.4	212.0	0.4	0.3	153.7	0.5	0.6
		-32.3	1.0		20.9	5.1		0.0	4.2		10.9	2.6		10.3	2.1
V7GHA4	335.0	0.6	0.1	304.7	-0.2	0.1	212.3	-0.4	0.1	199.0	-0.1	0.1	143.3	0.0	1.7
		55.7	1.0		-10.8	1.2		-22.3	0.6		-2.1	1.0		0.0	5.8
BCCJ6Q	279.3	0.0	0.1	311.3	-0.1	0.3	218.0	-0.3	0.9	188.5	-0.5	0.6	140.5	-0.1	2.0
		0.0	1.2		-4.2	4.3		-16.7	8.2		-12.6	5.2		-2.8	6.9
3DGBJZ	963.9	7.1		393.4	1.5		381.9	2.8		258.1	2.1		194.6	2.2	
		684.6	0.0		78.0	0.0		147.2	0.0		57.0	0.0		51.3	0.0
2PWFGW	288.1	0.1	0.3	374.6	1.2	0.1	289.7	1.1	0.3	240.2	1.4	0.2	167.2	1.0	0.1
		8.7	4.0		59.2	1.7		55.1	2.6		39.1	1.3		23.9	0.4
LNx664	229.4	-0.5	0.3	349.2	0.7	0.8	284.8	1.0	1.3	201.1	0.0	0.3	157.1	0.6	2.0
		-49.9	3.2		33.8	9.8		50.1	12.4		0.0	2.8		13.8	6.8
WEPC6W	333.1	0.6		369.3	1.1		277.8	0.8		239.9	1.4		168.0	1.1	
		53.8	0.0		53.9	0.0		43.1	0.0		38.8	0.0		24.7	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		
Grand Median	279.3			315.4			234.7			201.1			143.3		
Median Abs Dev	32.3			19.8			30.3			12.6			11.4		
Avg Within Lab SD	11.9			12.7			9.3			8.0			3.4		
Labs Included	19			19			19			19			19		
Labs Reporting	19			19			19			19			19		



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

	Mehlich-3, Cu (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
QV2TTC	6.63	1.23	0.84	2.30	0.37	1.62	0.57	0.06	1.48	2.97	1.27	0.56	3.57	1.12	0.57	
		0.92	0.15		0.37	0.10		0.02	0.06		0.83	0.06		0.61	0.06	
RFZGXD	5.80	0.12	0.15	2.39	0.46	1.41	1.06	1.52	1.03	2.49	0.54	0.31	3.07	0.20	0.26	
		0.09	0.03		0.46	0.09		0.51	0.04		0.35	0.03		0.11	0.03	
TNT9JC	6.00	0.39	0.55	2.00	0.07		0.43	-0.34	1.48	2.07	-0.11	0.56	3.17	0.38	0.57	
		0.29	0.10		0.07	0.00		-0.11	0.06		-0.07	0.06		0.21	0.06	
T9XRTE	5.97	0.34	0.64	2.07	0.13	0.93	0.50	-0.14					3.20	0.44	0.00	
		0.26	0.12		0.13	0.06		-0.05	0.00					0.24	0.00	
GUGULG	5.71	0.00	0.15	1.88	-0.05	0.37	0.69	0.44	0.13	2.35	0.33	1.02	3.13	0.31	0.25	
		0.00	0.03		-0.05	0.02		0.15	0.01		0.21	0.11		0.17	0.03	
26RTZY	5.62	-0.12	3.95	1.94	0.01	2.82	0.56	0.04	0.92	2.17	0.04	2.78	3.04	0.15	3.21	
		-0.09	0.72		0.01	0.17		0.01	0.04		0.03	0.29		0.08	0.33	
MXYZLE	5.61	-0.13	0.40	1.89	-0.04	1.00	0.46	-0.26	0.77	2.21	0.10	0.44	2.96	0.00	0.69	
		-0.10	0.07		-0.04	0.06		-0.09	0.03		0.07	0.05		0.00	0.07	
GTL9VB	5.41	-0.39	0.08	1.89	-0.05	0.25	2.27	5.13	0.26	0.57	-2.42	0.10	2.91	-0.09	0.10	
		-0.30	0.02		-0.05	0.02		1.72	0.01		-1.57	0.01		-0.05	0.01	
24X99T	5.37	-0.45	1.19	1.98	0.05	0.99	0.38	-0.50	0.16	2.20	0.09	0.46	3.07	0.19	0.59	
		-0.34	0.22		0.05	0.06		-0.17	0.01		0.06	0.05		0.11	0.06	
EPDALE	6.43	0.96	0.32	1.93	0.00	0.93	0.55	0.00	0.78	2.17	0.04	0.56	2.87	-0.17	0.57	
		0.72	0.06		0.00	0.06		0.00	0.03		0.03	0.06		-0.09	0.06	
B8MWKH	4.60	-1.47		1.40	-0.53		0.48	-0.20		1.50	-0.99		2.60	-0.66		
		-1.11	0.00		-0.53	0.00		-0.07	0.00		-0.64	0.00		-0.36	0.00	
LZAKW9	5.52	-0.25	0.40	2.08	0.15	1.35	0.53	-0.04	2.15	2.05	-0.14	0.70	2.60	-0.66	0.98	
		-0.19	0.07		0.15	0.08		-0.01	0.08		-0.09	0.07		-0.36	0.10	
9GXLYQ	4.50	-1.61		11.80	9.89		1.25	2.08		5.01	4.43		6.19	5.94		
		-1.21	0.00		9.87	0.00		0.70	0.00		2.87	0.00		3.23	0.00	
7MTEJU	5.78	0.09	0.28	1.63	-0.30	0.93	0.56	0.05	0.97	2.37	0.35	0.56	3.07	0.20	0.57	
		0.07	0.05		-0.30	0.06		0.02	0.04		0.23	0.06		0.11	0.06	
V7GHA4	5.56	-0.20	0.27	1.68	-0.25	0.09	0.32	-0.68	0.00	1.97	-0.27	0.01	2.74	-0.40	0.06	
		-0.15	0.05		-0.25	0.01		-0.23	0.00		-0.17	0.00		-0.22	0.01	
BCCJ6Q	5.97	0.34	0.84	1.93	0.00	0.93	0.50	-0.14		2.10	-0.06	0.97	2.87	-0.17	2.26	
		0.26	0.15		0.00	0.06		-0.05	0.00		-0.04	0.10		-0.09	0.23	
3DGBJZ	5.99	0.37		2.01	0.08		0.57	0.07		2.03	-0.17		2.76	-0.37		
		0.28	0.00		0.08	0.00		0.02	0.00		-0.11	0.00		-0.20	0.00	
K88ZXA	6.07	0.47	0.37	1.89	-0.04	0.37	0.74	0.57	1.88	2.12	-0.04	0.88	2.87	-0.16	1.17	
		0.36	0.07		-0.04	0.02		0.19	0.07		-0.03	0.09		-0.09	0.12	
2PWFGW	6.78	1.42	0.45	2.61	0.68	0.90	0.76	0.65	1.46	2.94	1.24	0.78	3.79	1.53	0.13	
		1.07	0.08		0.67	0.06		0.22	0.06		0.80	0.08		0.83	0.01	
LNx664	3.40	-3.07	0.95	1.00	-0.94		0.33	-0.63	1.48	1.70	-0.68	2.57	2.60	-0.66	0.98	
		-2.31	0.17		-0.93	0.00		-0.21	0.06		-0.44	0.26		-0.36	0.10	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
WEPC6W	5.15	-0.74	0.00	1.84	-0.09	0.00	0.33	-0.64	0.00	2.03	-0.17	0.00	2.76	-0.37	0.00
Grand Median	5.71			1.93			0.55			2.14			2.96		
Median Abs Dev	0.29			0.09			0.11			0.14			0.20		
Avg Within Lab SD	0.18			0.06			0.04			0.10			0.10		
Labs Included	21			21			21			20			21		
Labs Reporting	21			21			21			20			21		



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

Mehlich-3, B (SubTestCode 168)	in the Mehlich-3 Multi-Element Property Groups															Data units: mg/kg	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415				
QV2TTC	0.47	-0.23	0.61	0.30	-0.31	0.00	0.10	-0.86	0.00	0.50	0.00			1.10	0.09	0.00	
		-0.07	0.06		-0.11	0.00		-0.24	0.00		0.00	0.00			0.03	0.00	
RFZGXD	0.65	0.33	0.02	0.58	0.47	0.04	0.31	-0.13	0.03	0.65	0.49	0.14		1.13	0.18	0.09	
		0.11	0.00		0.17	0.00		-0.04	0.00		0.15	0.02			0.06	0.01	
TNT9JC	0.10	-1.38	0.00	0.17	-0.69	1.22	0.17	-0.62	0.61	0.10	-1.31	0.00		1.37	0.98	2.19	
		-0.44	0.00		-0.24	0.12		-0.18	0.06		-0.40	0.00			0.29	0.25	
GUGULG	0.72	0.56	0.12	0.73	0.89	0.11	0.69	1.24	0.13	0.93	1.41	0.17		1.37	0.99	0.46	
		0.18	0.01		0.32	0.01		0.35	0.01		0.43	0.02			0.30	0.05	
26RTZY	0.65	0.35	0.53	0.63	0.62	0.38	0.42	0.26	0.52	0.56	0.21	0.49		0.82	-0.83	0.35	
		0.11	0.05		0.22	0.04		0.07	0.05		0.06	0.06			-0.25	0.04	
MXYZLE	0.79	0.79	0.50	0.80	1.12	0.43	0.53	0.65	0.50	0.85	1.15	0.32		1.27	0.64	0.22	
		0.25	0.05		0.39	0.04		0.18	0.05		0.35	0.04			0.19	0.03	
GTL9VB	0.54	0.00	0.21	0.51	0.29	0.16	0.54	0.70	0.18	0.31	-0.63	0.05		0.98	-0.30	0.28	
		0.00	0.02		0.10	0.02		0.20	0.02		-0.19	0.01			-0.09	0.03	
24X99T	0.84	0.94	0.40	0.92	1.46	0.66	0.56	0.77	0.76	0.74	0.80	1.32		1.20	0.43	0.73	
		0.30	0.04		0.51	0.06		0.22	0.07		0.24	0.15			0.13	0.08	
EPDALE	0.34	-0.61	0.16	0.20	-0.60	0.32	0.08	-0.93	0.18	0.33	-0.55	0.18		0.81	-0.89	0.27	
		-0.20	0.02		-0.21	0.03		-0.26	0.02		-0.17	0.02			-0.27	0.03	
B8MWKH	0.72	0.56		0.41	0.00		0.38	0.13		0.46	-0.13			0.93	-0.48		
		0.18	0.00		0.00	0.00		0.04	0.00		-0.04	0.00			-0.14	0.00	
LZAKW9	0.50	-0.13	0.11	0.23	-0.51	0.38	0.13	-0.75	0.56	0.42	-0.27	0.22		0.96	-0.37	0.51	
		-0.04	0.01		-0.18	0.04		-0.21	0.05		-0.08	0.03			-0.11	0.06	
V7GHA4	1.10	1.75	1.06	0.91	1.43	0.06	0.59	0.88	0.01	0.80	1.00	0.01		1.07	0.00	0.20	
		0.56	0.10		0.50	0.01		0.25	0.00		0.30	0.00			0.00	0.02	
BCCJ6Q	0.40	-0.44	0.00	0.30	-0.31	0.00	0.13	-0.74	0.61	0.43	-0.22	0.51		0.93	-0.47	1.00	
		-0.14	0.00		-0.11	0.00		-0.21	0.06		-0.07	0.06			-0.14	0.12	
3DGBJZ	0.29	-0.78		0.14	-0.77					0.22	-0.92			0.68	-1.31		
		-0.25	0.00		-0.27	0.00					-0.28	0.00			-0.39	0.00	
2PWFGW	0.40	-0.45	0.11	0.30	-0.31	0.04	0.09	-0.88		0.52	0.07	0.03		1.28	0.69	0.16	
		-0.14	0.01		-0.11	0.00		-0.25	0.00		0.02	0.00			0.21	0.02	
LNK664	0.90	1.13	3.83	0.80	1.11	3.80	0.57	0.79	3.71	0.97	1.53	3.68		1.60	1.75	3.13	
		0.36	0.36		0.39	0.36		0.22	0.35		0.47	0.42			0.53	0.36	
WEPC6W	0.21	-1.03		0.21	-0.57		0.21	-0.47		0.26	-0.79			0.75	-1.08		
		-0.33	0.00		-0.20	0.00		-0.13	0.00		-0.24	0.00			-0.32	0.00	
Grand Median		0.54			0.41			0.34			0.50				1.07		
Median Abs Dev		0.18			0.21			0.21			0.19				0.19		
Avg Within Lab SD		0.09			0.09			0.09			0.11				0.12		
Labs Included		17			17			16			17				17		
Labs Reporting		17			17			16			17				17		



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

Zn - DTPA (SubTestCode 169)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	3.42	-0.15	0.09	0.70	0.16	0.12	1.07	-0.04	0.21	1.28	0.05	0.66	0.61	-0.28	0.08	
		-0.15	0.03		0.02	0.01		-0.01	0.03		0.02	0.05		-0.05	0.01	
RVVXMC	3.75	0.18	0.10	0.61	-0.42	0.14	1.15	0.23	0.04	1.22	-0.15	0.07	0.70	0.19	0.17	
		0.19	0.03		-0.07	0.01		0.07	0.01		-0.05	0.01		0.04	0.02	
QV2TTC	2.52	-1.03	0.46	0.50	-1.12	0.59	0.89	-0.68	0.27	0.92	-1.05	0.43	0.49	-0.94	0.39	
		-1.05	0.16		-0.18	0.04		-0.20	0.04		-0.35	0.04		-0.18	0.04	
4FGU6Y	4.11	0.53	0.73	0.68	0.04	0.25	0.99	-0.34	0.09	1.33	0.18	0.30	0.67	0.00	0.10	
		0.54	0.24		0.01	0.02		-0.10	0.01		0.06	0.03		0.00	0.01	
6VRW4Y	6.06	2.45	0.96	0.97	1.88	2.10	1.34	0.85	1.36	1.77	1.51	1.08	1.30	3.35	1.39	
		2.49	0.32		0.30	0.15		0.25	0.20		0.50	0.09		0.63	0.13	
L2ZREK	4.17	0.59	0.11	0.58	-0.64	0.06	0.92	-0.58	0.08	1.29	0.07	0.15	0.63	-0.20	0.14	
		0.60	0.04		-0.10	0.00		-0.17	0.01		0.02	0.01		-0.04	0.01	
WZDPZ9	4.50	0.92	0.38	0.69	0.11	0.67	1.25	0.56	0.35	1.40	0.39	0.49	0.72	0.27	0.24	
		0.94	0.13		0.02	0.05		0.16	0.05		0.13	0.04		0.05	0.02	
JXQR6N	3.50	-0.07	0.60	0.63	-0.27	0.79	1.03	-0.18	0.39	1.27	0.00	0.70	0.67	0.00	0.63	
		-0.07	0.20		-0.04	0.06		-0.05	0.06		0.00	0.06		0.00	0.06	
G38DZP	3.32	-0.24	0.07	0.69	0.06	0.34	0.90	-0.64	0.18	1.02	-0.75	0.12	0.70	0.19	0.17	
		-0.24	0.02		0.01	0.03		-0.19	0.03		-0.25	0.01		0.04	0.02	
BMDY2M	3.49	-0.08	0.17	0.60	-0.46	0.70	0.58	-1.72	0.10	1.06	-0.62	0.25	0.65	-0.07	0.17	
		-0.08	0.06		-0.07	0.05		-0.50	0.02		-0.20	0.02		-0.01	0.02	
2724TW	3.45	-0.12	0.69	0.52	-0.97	0.39	1.10	0.04	0.18	1.31	0.14	0.14	0.61	-0.28	0.13	
		-0.12	0.23		-0.15	0.03		0.01	0.03		0.05	0.01		-0.05	0.01	
EQ8UCK	3.93	0.36	0.17	0.67	-0.06	0.79	1.20	0.39	0.00	1.30	0.10	0.00	0.67	0.00	0.63	
		0.37	0.06		-0.01	0.06		0.11	0.00		0.03	0.00		0.00	0.06	
B9GHCN	2.97	-0.59	0.17	0.73	0.36	0.39	1.12	0.10	0.19	1.43	0.50	0.35	0.52	-0.80	0.31	
		-0.60	0.06		0.06	0.03		0.03	0.03		0.17	0.03		-0.15	0.03	
CVNF9M	4.17	0.59	1.25	0.70	0.15	1.36	1.30	0.73	1.17	1.27	0.00	1.39	0.67	0.00	1.26	
		0.60	0.42		0.02	0.10		0.21	0.17		0.00	0.12		0.00	0.12	
CLYU3N	4.38	0.80	0.35	0.74	0.40	0.89	1.07	-0.06	0.29	1.47	0.62	0.99	0.90	1.22	1.15	
		0.82	0.12		0.06	0.07		-0.02	0.04		0.20	0.08		0.23	0.11	
324YCW	4.67	1.08	1.07	0.69	0.11	0.61	1.15	0.20	0.41	1.00	-0.81	0.12	0.68	0.07	0.38	
		1.10	0.36		0.02	0.05		0.06	0.06		-0.27	0.01		0.01	0.03	
JWV7DH	2.11	-1.44	0.14	0.81	0.85	1.50	1.05	-0.13	0.47	1.51	0.74	0.12	1.08	2.18	1.91	
		-1.46	0.05		0.13	0.11		-0.04	0.07		0.24	0.01		0.41	0.18	
C2ET8P	4.10	0.52	0.21	0.70	0.17	0.08	1.26	0.59	0.18	1.49	0.69	0.14	0.78	0.62	0.23	
		0.53	0.07		0.03	0.01		0.17	0.03		0.23	0.01		0.12	0.02	
9KKUUL	3.40	-0.16	0.60	0.63	-0.27	0.79	0.80	-0.98	0.00	1.00	-0.81		0.63	-0.18	0.63	
		-0.17	0.20		-0.04	0.06		-0.29	0.00		-0.27	0.00		-0.03	0.06	
GTL9VB	1.91	-1.63	1.35	0.35	-2.05	0.55	0.53	-1.90	0.64	0.38	-2.69	0.97	0.64	-0.16	0.50	
		-1.66	0.45		-0.32	0.04		-0.56	0.10		-0.89	0.08		-0.03	0.05	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
B8MWKH	3.40	-0.16		0.62	-0.36		1.28	0.66		1.22	-0.14		0.74	0.39	
WKLRZY	3.49	-0.17	0.00	0.45	-0.06	0.00	0.66	0.19	0.00	1.20	-0.05	0.00	0.52	0.07	0.00
J4HWZD	4.52	-0.07	0.18	0.72	-1.46	0.64	1.35	-1.45	0.26	1.48	-0.21	0.68	0.85	-0.78	0.33
PM96DA	4.87	-0.07	0.06	0.82	-0.23	0.05	1.05	-0.42	0.04	1.52	-0.07	0.06	0.86	-0.15	0.03
7MTEJU	3.54	0.93	0.20	0.53	0.30	0.67	1.07	0.89	0.35	1.13	0.66	0.25	0.64	0.99	0.95
BCCJ6Q	3.24	0.95	0.07	0.77	0.05	0.05	0.97	0.26	0.05	1.22	0.22	0.02	0.83	0.19	0.09
3DGBJZ	3.36	1.28	0.39	0.45	0.91	0.30	0.90	-0.11	0.51	1.13	0.76	0.32	0.64	1.04	0.49
Q7GPP4	3.26	1.31	0.13	0.62	0.14	0.02	1.27	-0.03	0.08	1.49	0.25	0.03	0.90	0.20	0.04
K88ZXA	4.85	-0.03	0.14	0.71	-0.93	0.14	1.13	-0.05	0.28	1.10	-0.42	0.18	0.73	-0.12	0.13
7G8JHQ	3.57	-0.03	0.05	0.73	-0.15	0.01	1.15	-0.01	0.04	1.29	-0.14	0.02	0.67	-0.02	0.01
EWPAWH	3.68	-0.32	0.71	0.54	0.61	2.21	1.19	-1.04	0.22	1.43	-0.15	0.66	0.59	0.87	0.44
FHNX2J	3.39	-0.32	0.24	0.55	0.10	0.16	1.17	-0.30	0.03	1.17	-0.05	0.06	0.70	0.16	0.04
RUHB6W	3.17	-0.20		0.60	-1.44		0.70	-0.40		1.10	-2.14		0.70	-1.05	
ABNPUG	7.50	-0.21	0.00	1.10	-0.23	0.00	1.36	-0.12	0.00	1.14	-0.71	0.00	0.70	-0.20	0.00
QGYAAZ	4.83	-0.30	0.15	1.02	-0.38	0.21	1.17	-0.64	0.07	1.17	-0.41	0.12	0.91	-0.16	0.17
AMG7JH	4.05	-0.30	0.05	0.61	-0.06	0.02	1.17	-0.19	0.01	1.17	-0.14	0.01	0.58	-0.03	0.02
FVERDC	4.14	1.27	0.18	0.68	0.19	0.13	2.32	0.62	0.21	1.99	0.66	0.13	0.91	1.26	0.14
		1.29	0.06		0.03	0.01		0.18	0.03		0.22	0.01		0.24	0.01
		0.00	0.69		0.36	1.57		0.16	0.39		-0.50	1.20		0.35	0.63
		0.11	0.02		0.06	0.12		0.05	0.06		-0.17	0.10		0.07	0.06
		0.12	0.01		-0.86	0.02		0.23	0.05		0.08	0.04		-0.01	0.02
		-0.18	0.36		-0.14	0.00		0.07	0.01		0.03	0.00		0.00	0.00
		-0.18	0.12		-0.80	0.13		0.36	2.81		0.49	2.01		-0.43	0.38
		-0.39	0.17		-0.13	0.01		0.11	0.42		0.16	0.17		-0.08	0.03
		-0.40	0.06		-0.49	0.00		-1.32	0.00		-0.50	0.00		0.18	0.00
		3.87			-0.08	0.00		-0.39	0.00		-0.17	0.00		0.03	0.00
		3.93	0.00		2.68						3.13			3.89	
		1.25	4.97		0.42	0.00		0.94	3.35		1.03	0.00		0.73	0.00
		1.27	1.66		2.20	3.31		0.27	0.50		-0.37	4.46			
		0.48	0.19		0.35	0.24		0.29	0.04		-0.12	0.37			
		0.49	0.06		-0.44	0.48		0.09	0.01		-0.29	0.24			
		0.57	1.73		-0.07	0.04		4.21	3.39		2.18	1.92		-0.46	0.11
		0.58	0.58		0.00	0.14		1.23	0.50		0.72	0.16		-0.09	0.01
Grand Median		3.57			0.68			1.09			1.27			0.67	
Median Abs Dev		0.49			0.07			0.17			0.17			0.06	
Avg Within Lab SD		0.33			0.07			0.15			0.08			0.09	
Labs Included		37			37			36			37			36	
Labs Reporting		37			37			36			37			36	



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

Mn - DTPA (SubTestCode 170)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	6.2	-1.3	0.0	64.5	-0.2	0.2	44.6	-0.7	0.0	84.5	-0.1	0.0	15.7	-1.0	0.3	
RVVXMC	15.5	0.5	0.1	70.9	0.3	0.1	60.7	0.7	0.1	81.0	-0.3	0.0	24.3	0.2	0.5	
4FGU6Y	14.7	0.4	0.3	71.3	0.4	0.1	49.6	-0.3	0.4	101.5	0.8	0.2	22.5	0.0	0.3	
6VRW4Y	21.0	1.6	0.3	87.5	1.8	0.4	62.4	0.8	0.2	115.6	15.3	1.6	42.4	-0.1	0.3	
L2ZREK	7.5	8.3	0.7	43.3	20.5	2.6	38.8	9.5	0.7	66.5	29.5	2.1	15.3	19.7	1.6	
WZDPZ9	14.9	-1.0	0.0	71.6	-2.0	0.1	64.1	-1.2	0.1	97.9	-1.0	0.1	21.0	-1.0	0.1	
JXQR6N	6.8	-5.2	0.0	78.9	-23.7	0.5	53.2	-14.1	0.2	102.6	-19.6	0.4	29.1	-7.3	0.2	
G38DZP	12.9	0.4	0.6	57.6	0.4	0.1	41.4	1.0	0.2	67.1	0.6	0.1	22.7	-0.2	0.6	
BMDY2M	6.6	2.2	1.5	52.4	4.6	0.7	33.4	11.2	1.2	66.3	11.8	0.9	18.7	-1.7	0.7	
2724TW	11.9	-1.2	0.3	57.9	1.0	0.6	53.6	0.0	0.3	84.0	0.8	0.5	19.7	0.9	1.1	
EQ8UCK	12.3	-5.9	0.7	69.0	11.9	3.6	58.7	0.3	1.6	90.3	16.5	4.1	22.0	6.5	1.2	
B9GHCN	8.7	0.0	0.4	67.0	-0.8	0.1	43.0	-1.0	0.5	90.3	-0.9	0.2	24.0	0.0	0.3	
CVNF9M	12.2	0.2	1.0	61.7	-9.4	0.4	52.6	-11.6	2.3	81.2	-19.0	1.2	23.9	0.1	0.3	
CLYU3N	18.0	-1.2	0.1	79.0	-1.3	0.2	56.8	-1.7	0.2	103.3	-1.0	0.2	33.7	-0.6	0.2	
324YCW	17.4	-6.1	0.3	71.0	-14.6	1.0	62.0	-19.5	0.9	80.2	-19.9	1.4	34.2	-3.9	0.2	
JWV7DH	6.2	-0.1	0.3	69.1	-0.8	0.5	53.6	0.1	0.2	96.2	-0.1	0.2	18.4	-0.4	0.7	
C2ET8P	15.6	-0.7	0.8	68.3	-9.1	2.9	61.3	0.7	0.8	105.3	-2.1	1.3	25.0	-3.0	0.8	
9KKUUL	11.7	-0.1	0.2	67.0	0.2	0.3	40.4	0.5	0.4	69.4	0.2	0.2	21.2	-0.1	0.9	
B8MWKH	6.9	-0.3	0.6	37.2	2.0	2.0	35.4	5.8	2.1	58.5	4.2	1.5	15.6	-0.7	1.0	
J4HWZD	16.8	-0.8	0.1	68.0	0.0	0.3	61.6	-9.9	1.7	91.7	4.2	1.5	30.7	1.3	1.0	
		-4.0	0.3		-0.5	0.8		0.0	0.8		-0.2	0.6		0.2	2.4	
		-0.1	0.6		-5.3	4.6		-0.3	3.9		-4.9	4.3		1.2	2.6	
		1.0	0.3		1.0	0.3		0.3	0.3		0.9	0.5		1.6	1.3	
		5.3	0.7		12.0	1.8		3.9	1.3		17.2	3.8		11.0	1.4	
		0.9	0.3		0.3	0.1		0.8	0.1		-0.3	0.1		1.6	0.4	
		4.7	0.8		4.0	0.6		9.1	0.6		-5.9	0.5		11.6	0.4	
		-1.3	0.1		0.2	0.6		0.1	0.4		0.5	0.2		-0.6	0.7	
		-6.5	0.3		2.1	3.5		0.7	2.0		10.0	1.9		-4.2	0.8	
		0.6	0.3		0.1	0.4		0.7	0.0		0.9	0.1		0.3	0.9	
		3.0	0.8		1.3	2.3		8.4	0.2		19.2	0.6		2.3	1.0	
		-0.2	0.4		0.0	0.3		-1.1	0.3		-0.8	0.1		-0.2	0.7	
		-1.0	0.9		0.0	1.8		-12.5	1.2		-16.7	1.0		-1.5	0.8	
		-1.1			-2.5			-1.5			-1.4			-1.0		
		-5.8	0.0		-29.8	0.0		-17.5	0.0		-27.7	0.0		-7.0	0.0	
		0.8	0.3		0.1	0.1		0.8	0.2		0.3	0.4		1.1	1.2	
		4.1	0.7		1.0	0.7		8.7	0.9		5.6	2.8		8.1	1.3	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
PM96DA	20.5	1.5	0.5	85.9	1.6	0.5	55.6	0.2	0.5	104.6	0.9	0.4	32.0	1.3	1.6
		7.8	1.3		18.9	2.8		2.7	2.1		18.5	2.9		9.3	1.7
3DGBJZ	12.5	0.0		55.1	-1.0		52.6	0.0		41.2	-2.2		22.7	0.0	
		-0.2	0.0		-12.0	0.0		-0.3	0.0		-44.9	0.0		0.0	0.0
Q7GPP4	12.5	0.0	0.0	64.7	-0.2	0.0	42.1	-1.0	0.0	76.0	-0.5	0.0	22.7	0.0	0.4
		-0.2	0.0		-2.3	0.2		-10.8	0.1		-10.1	0.2		0.0	0.4
K88ZXA	19.2	1.3	0.1	72.4	0.5	0.1	66.3	1.2	0.1	97.0	0.5	0.1	34.7	1.7	0.5
		6.5	0.3		5.4	0.9		13.4	0.6		10.9	0.8		12.1	0.5
7G8JHQ	11.2	-0.3	0.2	63.8	-0.3	0.6	46.5	-0.6	0.7	62.6	-1.2	0.4	21.5	-0.2	1.1
		-1.5	0.5		-3.2	3.5		-6.4	3.2		-23.6	3.2		-1.2	1.2
FHNX2J	11.1	-0.3	0.4	63.6	-0.3	0.5	51.0	-0.2	2.1	100.1	0.7	1.7	16.8	-0.8	2.1
		-1.6	0.9		-3.4	3.0		-1.9	9.7		14.0	13.0		-5.9	2.3
RUHB6W	15.0	0.5		70.3	0.3	0.1	41.0	-1.1	0.4	97.0	0.5	0.2	28.7	0.9	1.1
		2.3	0.0		3.3	0.6		-11.9	1.7		10.9	1.7		6.0	1.2
QGYAAZ	19.6	1.4	5.3	53.0	-1.2	5.2	41.2	-1.0	4.7	69.1	-0.8	5.0			
		6.9	12.8		-14.0	30.2		-11.8	22.0		-17.0	38.0			
AMG7JH	13.4	0.1	0.1	64.4	-0.2	0.3	59.2	0.6	0.3	87.7	0.1	0.1	22.1	-0.1	0.8
		0.8	0.3		-2.6	1.5		6.3	1.3		1.6	0.7		-0.6	0.9
FVERDC	12.9	0.0	0.2	57.9	-0.8	0.3	53.3	0.0	0.4	84.4	-0.1	0.5	19.6	-0.4	1.3
		0.2	0.4		-9.1	1.5		0.4	1.7		-1.7	3.5		-3.0	1.4
Grand Median		12.7			67.0			52.9			86.1			22.7	
Median Abs Dev		2.9			4.5			8.4			12.9			3.0	
Avg Within Lab SD		2.4			5.9			4.6			7.6			1.1	
Labs Included		30			30			30			30			29	
Labs Reporting		30			30			30			30			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		

Fe - DTPA (SubTestCode 171)		in the Micronutrients Property Groups												Data units: mg/kg	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	68.8	-0.7	0.3	67.3	-0.5	0.0	90.3	-0.1	0.0	73.9	-0.3	0.1	17.4	-0.8	0.2
		-23.0	3.3		-10.0	0.1		-4.3	0.5		-7.4	0.8		-7.2	0.3
RVVXMC	79.7	-0.4	0.2	71.7	-0.3	0.1	82.3	-0.3	0.0	71.7	-0.4	0.1	25.3	0.1	0.4
		-12.1	2.3		-5.6	1.2		-12.2	0.6		-9.6	0.6		0.7	0.6
4FGU6Y	86.6	-0.2	0.4	85.0	0.4	0.8	88.3	-0.2	0.1	82.2	0.0	0.4	24.0	-0.1	0.5
		-5.2	5.3		7.7	6.7		-6.2	1.6		0.9	3.0		-0.7	0.6
6VRW4Y	154.8	1.9	0.3	126.4	2.3	1.1	133.6	1.0	0.3	115.5	1.5	0.8	60.9	4.0	2.8
		63.0	4.0		49.2	9.4		39.1	3.9		34.2	6.5		36.2	3.7
L2ZREK	134.9	1.3	0.1	92.1	0.7	0.1	207.6	3.0	0.1	114.0	1.4	0.1	21.6	-0.3	0.5
		43.1	0.7		14.8	1.2		113.0	1.3		32.7	0.4		-3.1	0.7
WZDPZ9	197.0	3.2	2.6	90.6	0.6	1.0	177.0	2.2	1.5	99.6	0.8	0.6	8.8	-1.7	1.2
		105.2	33.7		13.3	8.4		82.5	19.1		18.3	4.3		-15.8	1.6
JXQR6N	77.7	-0.4	0.2	86.1	0.4	0.3	95.7	0.0	0.2	91.8	0.4	0.3	26.2	0.2	0.5
		-14.1	2.3		8.9	2.1		1.2	2.5		10.6	2.1		1.5	0.7
G38DZP	101.6	0.3	0.2	66.3	-0.5	0.0	70.4	-0.6	0.1	44.8	-1.5	0.2	23.9	-0.1	0.4
		9.8	2.1		-11.0	0.3		-24.1	1.0		-36.4	1.4		-0.8	0.6
BMDY2M	95.8	0.1	0.2	70.8	-0.3	0.1	102.1	0.2	0.0	80.4	0.0	0.1	22.7	-0.2	0.6
		4.0	2.4		-6.5	0.7		7.6	0.6		-0.9	0.8		-2.0	0.8
2724TW	65.3	-0.8	0.2	50.7	-1.2	0.8	72.7	-0.6	0.3	70.0	-0.5	0.5	18.3	-0.7	1.1
		-26.5	2.9		-26.6	6.4		-21.9	3.8		-11.3	3.6		-6.3	1.5
EQ8UCK	75.0	-0.5	0.2	66.7	-0.5	0.2	80.7	-0.4	0.2	73.7	-0.3	0.2	24.7	0.0	0.4
		-16.8	2.0		-10.6	1.5		-13.9	2.1		-7.6	1.5		0.0	0.6
B9GHCN	79.3	-0.4	0.1	80.0	0.1	0.2	86.7	-0.2	0.2	86.0	0.2	0.1	27.7	0.3	0.4
		-12.5	1.2		2.8	2.0		-7.9	2.9		4.7	1.0		3.0	0.6
CVNF9M	90.4	0.0	1.1	71.4	-0.3	1.1	114.6	0.5	2.0	83.3	0.1	1.2	27.4	0.3	2.8
		-1.4	13.7		-5.8	9.4		20.1	25.7		2.0	8.8		2.8	3.7
CLYU3N	94.7	0.1	0.1	96.3	0.9	0.1	93.3	0.0	0.1	89.7	0.4	0.5	36.7	1.3	0.9
		2.9	1.5		19.1	0.8		-1.2	1.9		8.4	3.5		12.0	1.3
324YCW	109.9	0.6	1.2	99.0	1.0	1.5	126.7	0.9	0.4	73.4	-0.3	0.1	37.1	1.4	0.9
		18.1	15.8		21.8	12.2		32.1	5.7		-7.9	1.1		12.5	1.2
JWV7DH	64.4	-0.8	0.2	58.4	-0.9	0.3	84.6	-0.3	0.3	74.2	-0.3	0.4	18.4	-0.7	0.9
		-27.4	2.7		-18.8	2.4		-9.9	3.5		-7.1	3.3		-6.2	1.2
C2ET8P	122.7	0.9	0.2	82.7	0.3	0.2	121.3	0.7	0.2	116.7	1.5	0.7	27.7	0.3	0.9
		30.9	2.5		5.4	1.9		26.8	2.1		35.4	5.7		3.0	1.2
9KKUUL	85.3	-0.2	0.7	68.2	-0.4	0.2	73.6	-0.6	0.1	68.2	-0.6	0.1	22.6	-0.2	0.5
		-6.5	9.1		-9.1	1.3		-20.9	1.6		-13.1	0.7		-2.0	0.6
B8MWKH	93.2	0.0		72.6	-0.2		138.2	1.2		83.4	0.1		26.3	0.2	
		1.4	0.0		-4.6	0.0		43.7	0.0		2.1	0.0		1.6	0.0
J4HWZD	124.5	1.0	0.4	99.0	1.0	0.0	136.5	1.1	0.2	108.4	1.2	0.6	31.3	0.7	1.2
		32.7	5.0		21.8	0.2		42.0	2.5		27.2	4.4		6.6	1.6



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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
PM96DA	120.4	0.9	0.2	104.5	1.3	0.8	102.9	0.2	0.3	95.9	0.6	0.4	30.7	0.7	1.2
		28.6	2.9		27.3	7.0		8.4	3.8		14.6	3.0		6.0	1.6
3DGBJZ	98.5	0.2		80.3	0.1		112.4	0.5		52.1	-1.2		23.5	-0.1	
		6.7	0.0		3.0	0.0		17.9	0.0		-29.2	0.0		-1.1	0.0
Q7GPP4	70.5	-0.6	0.0	64.6	-0.6	0.1	68.0	-0.7	0.0	69.5	-0.5	0.1	24.3	0.0	0.2
		-21.3	0.5		-12.6	0.6		-26.6	0.3		-11.7	0.5		-0.4	0.2
K88ZXA	108.0	0.5	0.1	91.3	0.7	0.1	124.5	0.8	0.1	96.5	0.6	0.2	33.3	1.0	0.6
		16.2	1.0		14.0	1.1		30.0	0.7		15.3	1.4		8.7	0.8
7G8JHQ	67.0	-0.8	0.2	64.7	-0.6	0.4	74.2	-0.5	0.7	49.2	-1.4	0.3	20.7	-0.4	1.3
		-24.8	2.2		-12.5	3.1		-20.4	8.6		-32.1	2.1		-3.9	1.7
FHNX2J	75.7	-0.5	0.6	58.9	-0.8	0.5	104.7	0.3	3.8	75.3	-0.3	1.6	19.5	-0.6	0.1
		-16.1	7.5		-18.3	3.8		10.1	49.2		-5.9	12.2		-5.1	0.2
RUHB6W	78.7	-0.4	0.1	81.3	0.2	0.1	72.3	-0.6	0.0	90.7	0.4	0.2	31.3	0.7	0.4
		-13.1	1.2		4.1	0.6		-22.2	0.6		9.4	1.2		6.7	0.6
QGYAAZ	93.4	0.1	4.3	74.5	-0.1	4.6	82.5	-0.3	2.8	70.6	-0.5	4.8			
		1.6	55.3		-2.8	38.4		-12.0	35.9		-10.6	36.3			
AMG7JH	103.1	0.3	0.3	87.0	0.5	0.2	108.7	0.4	0.2	90.9	0.4	0.3	26.5	0.2	0.1
		11.3	3.2		9.7	1.6		14.1	2.1		9.6	2.2		1.8	0.2
FVERDC	24.6	-2.1	0.0	18.5	-2.7	0.2	30.9	-1.7	0.5	21.0	-2.6	0.1	5.6	-2.1	0.3
		-67.2	0.4		-58.8	1.8		-63.6	5.9		-60.2	1.0		-19.0	0.4
Grand Median		91.8			77.2			94.5			81.3			24.7	
Median Abs Dev		16.2			10.8			20.2			10.6			3.1	
Avg Within Lab SD		12.8			8.3			12.9			7.6			1.3	
Labs Included		30			30			30			30			29	
Labs Reporting		30			30			30			30			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		

Cu - DTPA (SubTestCode 172)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	2.87	-0.50	0.34	1.06	-0.16	0.02	0.32	0.09	0.27	1.59	-0.12	0.37	1.02	-1.17	0.38	
RVVXMC	3.60	0.31	0.11	1.10	0.03	0.09	0.29	-0.15	0.24	1.65	0.04	0.27	1.41	0.14	0.09	
4FGU6Y	3.42	0.28	0.04	1.10	0.01	0.01	0.29	-0.02	0.01	1.61	0.01	0.05	1.37	0.04	0.01	
6VRW4Y	4.56	0.11	0.63	1.10	0.02	0.33	0.29	-0.13	0.26	1.61	-0.07	0.12	1.37	0.00	0.26	
L2ZREK	3.91	0.10	0.24	1.07	0.00	0.04	0.47	-0.02	0.01	2.23	-0.02	0.02	1.39	0.00	0.02	
WZDPZ9	5.21	1.37	0.63	1.64	2.50	0.93	0.41	1.25	0.20	2.18	1.67	0.57	1.49	2.54	2.98	
JXQR6N	3.00	1.24	0.24	1.13	0.55	0.10	0.30	0.16	0.01	1.70	0.59	0.10	1.37	0.74	0.20	
G38DZP	3.07	0.64	0.07	1.07	-0.12	0.12	0.24	-1.31	0.05	1.28	-0.78	0.04	1.42	0.08	0.03	
BMDY2M	2.96	0.58	0.03	1.09	-0.03	0.01	0.32	-0.16	0.00	1.60	-0.28	0.01	1.11	0.02	0.00	
2724TW	2.86	2.09	0.57	0.78	0.93	0.29	0.23	0.79	0.72	1.60	1.53	0.49	1.11	0.42	0.84	
EQ8UCK	3.53	1.89	0.22	1.10	0.20	0.03	0.30	0.10	0.03	1.67	0.54	0.09	1.30	0.12	0.06	
B9GHCN	3.02	-0.36	0.69	1.12	0.18	0.52	0.25	-0.07	0.00	1.63	0.18	0.00	1.24	0.00	0.87	
CVNF9M	3.37	-0.32	0.26	0.96	0.04	0.06	0.37	-0.01	0.00	1.99	0.06	0.00	1.83	0.00	0.06	
CLYU3N	4.33	-0.28	0.58	1.09	-0.02	0.16	0.53	-0.54	0.24	1.60	-1.00	0.47	1.42	0.18	0.45	
324YCW	4.25	-0.25	0.22	1.07	0.00	0.02	0.37	-0.07	0.01	1.60	-0.36	0.09	1.42	0.05	0.03	
JWV7DH	2.39	-0.40	0.27	0.90	-0.12	0.29	0.24	0.07	0.50	1.64	-1.16	0.25	1.15	-0.09	0.92	
B8MWKH	2.90	-0.36	0.10	0.92	-0.03	0.03	0.43	0.01	0.02	1.52	-0.41	0.05	1.23	-0.03	0.06	
J4HWZD	4.60	-0.51	0.59	1.28	-1.42	0.50	0.46	-0.60	0.14	2.14	-0.10	0.05	1.59	-0.89	0.38	
		-0.46	0.23		-0.31	0.06		-0.08	0.01		-0.04	0.01		-0.26	0.03	
		0.23	0.15		0.03	0.00		-0.07	0.00		0.09	0.32		-0.23	0.00	
		0.21	0.06		0.01	0.00		-0.01	0.00		0.03	0.06		-0.07	0.00	
		-0.34	0.20		0.10	0.26		0.12	0.14		0.69	0.14		0.48	0.17	
		-0.31	0.08		0.02	0.03		0.02	0.01		0.24	0.03		0.14	0.01	
		0.05	1.03		-0.61	1.12		-0.44	1.83		-0.01	0.99		-0.43	1.97	
		0.04	0.39		-0.13	0.12		-0.06	0.08		0.00	0.18		-0.13	0.13	
		1.12	0.30		1.26	0.74		0.52	0.50		0.99	0.44		1.59	0.80	
		1.01	0.12		0.28	0.08		0.07	0.02		0.35	0.08		0.46	0.05	
		1.03	0.73		1.09	0.32		1.74	1.22		-0.11	0.06		0.19	0.63	
		0.93	0.28		0.24	0.04		0.22	0.05		-0.04	0.01		0.06	0.04	
		-1.03	0.32		-0.90	0.85		-0.54	0.73		0.00	0.30		-0.75	1.88	
		-0.93	0.12		-0.20	0.10		-0.07	0.03		0.00	0.06		-0.22	0.13	
		1.67	0.40		0.67	0.09		0.91	0.56		2.01	0.25		0.62	0.09	
		1.51	0.15		0.15	0.01		0.12	0.02		0.71	0.05		0.18	0.01	
		-0.39	0.40		-0.43			-0.86	0.00		-0.66	0.00		-1.03	0.87	
		-0.36	0.15		-0.09	0.00		-0.11	0.00		-0.24	0.00		-0.30	0.06	
		-0.47			-0.79			0.97			-0.33			-0.47		
		-0.42	0.00		-0.17	0.00		0.12	0.00		-0.12	0.00		-0.14	0.00	
		1.41	0.40		0.84	0.44		1.21	0.42		1.42	0.41		0.77	0.69	
		1.28	0.15		0.18	0.05		0.15	0.02		0.50	0.08		0.22	0.05	



ALP Program - Participant Web Summary Report - Cycle 25

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD		Difference	W/L STD
PM96DA	4.06	0.82	0.51	1.50	1.87	1.06	0.30	-0.08	0.38	1.94	0.86	0.06	1.86	1.71	1.22
		0.74	0.19		0.41	0.12		-0.01	0.02		0.31	0.01		0.50	0.08
3DGBJZ	3.28	-0.05		0.88	-0.98		0.30	-0.07		0.87	-2.16		0.97	-1.36	
		-0.04	0.00		-0.21	0.00		-0.01	0.00		-0.77	0.00		-0.40	0.00
Q7GPP4	2.63	-0.77	0.08	0.88	-0.96	0.14	0.21	-0.78	0.24	1.33	-0.87	0.06	1.05	-1.07	0.09
		-0.70	0.03		-0.21	0.02		-0.10	0.01		-0.31	0.01		-0.31	0.01
K88ZXA	4.42	1.21	0.12	1.28	0.85	0.15	0.48	1.39	0.43	1.97	0.93	0.07	1.65	0.96	0.64
		1.09	0.05		0.19	0.02		0.17	0.02		0.33	0.01		0.28	0.04
7G8JHQ	2.87	-0.50	0.66	1.03	-0.28	0.52	0.57	2.05	1.40	1.30	-0.95	0.00	1.30	-0.23	1.51
		-0.46	0.25		-0.06	0.06		0.26	0.06		-0.34	0.00		-0.07	0.10
FHNX2J	2.87	-0.50	0.23	0.92	-0.81	0.40	0.26	-0.42	1.49	1.81	0.49	1.77	1.15	-0.73	0.76
		-0.45	0.09		-0.18	0.05		-0.05	0.06		0.17	0.32		-0.21	0.05
RUHB6W	3.17	-0.17	0.15	1.27	0.79	0.52	0.57	2.05	1.40	1.80	0.46	0.00	1.50	0.46	
		-0.16	0.06		0.17	0.06		0.26	0.06		0.16	0.00		0.13	0.00
QGYAAZ	4.28	1.06	4.92	1.14	0.19	4.84	0.38	0.55	3.98	1.64	0.00	4.84			
		0.96	1.87		0.04	0.54		0.07	0.16		0.00	0.88			
AMG7JH	3.84	0.57	0.36	1.03	-0.31	0.23	0.34	0.23	0.28	1.53	-0.29	0.55	1.12	-0.85	0.15
		0.51	0.14		-0.07	0.03		0.03	0.01		-0.10	0.10		-0.25	0.01
FVERDC	3.07	-0.28	0.30	0.88	-1.00	0.13	0.28	-0.26	0.56	1.74	0.28	0.65	1.34	-0.10	1.66
		-0.25	0.11		-0.22	0.01		-0.03	0.02		0.10	0.12		-0.03	0.11
Grand Median		3.32			1.09			0.31			1.64			1.37	
Median Abs Dev		0.46			0.16			0.07			0.21			0.14	
Avg Within Lab SD		0.38			0.11			0.04			0.18			0.07	
Labs Included		30			30			30			30			29	
Labs Reporting		30			30			30			30			29	



ALP Program - Participant Web Summary Report - Cycle 25

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

Zn - HCl (SubTestCode 173)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
B8MWKH	7.62	0.00	1.14	0.00	1.35	0.00	1.62	0.00	1.22	0.00	
		0.24		0.70		0.76		0.18		1.41	
K88ZXA	9.90	0.10	1.76	0.04	2.07	0.09	2.84	0.03	3.16	0.06	
		1.39		1.23		1.19		1.40		0.00	
WEPC6W	8.40	0.57	1.55	0.07	1.40	0.14	2.65	0.21	2.90	0.00	
Grand Median	8.40		1.55		1.40		2.65		2.90		
Median Abs Dev											
Avg Within Lab SD	0.41		0.06		0.12		0.15		0.04		
Labs Included	3		3		3		3		3		
Labs Reporting	3		3		3		3		3		



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

Mn-H3PO4 (SubTestCode 174)	in the Micronutrients Property Groups										Data units: mg/kg
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
WEPC6W	16.0	1.0 4.4	56.0	1.0 3.6	38.7	1.0 1.5	48.0	1.0 3.6	23.3	1.0 1.5	
Grand Median	16.0		56.0		38.7		48.0		23.3		
Median Abs Dev											
Avg Within Lab SD	4.4		3.6		1.5		3.6		1.5		
Labs Included	1		1		1		1		1		
Labs Reporting	1		1		1		1		1		



ALP Program - Participant Web Summary Report - Cycle 25

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

Cl - Ca(NO3)2 Extr. (SubTestCode 175)	in the Micronutrients Property Groups															Data units: mg/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
RVVXMC	1.3	-0.6	0.3	8.3	-0.6	0.3	3.9	0.0	0.1	2.0	-0.2	0.2	5.1	-0.2	0.1	
		-2.0	0.1		-1.9	0.2		0.0	0.1		-0.9	0.1		-0.7	0.1	
6VRW4Y	3.6	0.1	1.8	11.8	0.5	1.1	4.4	0.2	0.1	3.0	0.0	0.8	7.8	0.4	0.2	
		0.3	0.6		1.7	1.0		0.5	0.1		0.1	0.4		2.0	0.1	
LZ2REK	4.8	0.4	0.5	10.1	0.0	0.1	6.1	0.7	0.4	5.8	0.8	0.1	10.1	0.9	0.6	
		1.5	0.2		0.0	0.1		2.3	0.2		2.9	0.1		4.2	0.4	
JXQR6N	3.1	-0.1	0.7	11.0	0.3	0.8	3.4	-0.2	0.3	2.4	-0.1	0.3	5.8	0.0	0.9	
		-0.2	0.3		0.9	0.7		-0.5	0.2		-0.5	0.2		0.0	0.5	
2724TW	17.9	4.4	0.7	17.0	2.1	0.5	16.4	3.8	0.3	20.0	4.6	2.6	24.7	4.1	0.4	
		14.6	0.3		6.9	0.5		12.6	0.2		17.1	1.3		18.8	0.3	
B9GHCN	3.3	0.0	0.8	10.7	0.2	0.7	3.3	-0.2	0.5	3.0	0.0		5.8	0.0	0.5	
		0.1	0.3		0.5	0.6		-0.5	0.3		0.1	0.0		0.0	0.3	
9KKUUL	2.3	-0.3	1.4	8.3	-0.6	0.7	3.2	-0.2	0.5	1.9	-0.3	0.4	5.3	-0.1	0.4	
		-1.0	0.5		-1.8	0.6		-0.7	0.3		-1.0	0.2		-0.5	0.3	
LZAKW9	3.3	0.0	1.3	5.7	-1.4	2.4	6.2	0.7	2.9	2.9	0.0	1.0	4.5	-0.3	2.7	
		0.0	0.5		-4.4	2.1		2.3	1.8		0.0	0.5		-1.4	1.7	
AMG7JH	2.5	-0.2	0.4	8.5	-0.5	0.1	3.3	-0.2	0.2	2.7	0.0	0.7	5.6	-0.1	0.2	
		-0.7	0.2		-1.6	0.1		-0.5	0.2		-0.2	0.4		-0.3	0.2	
Grand Median		3.27		10.1			3.87			2.90			5.83			
Median Abs Dev		0.73		1.7			0.53			0.52			0.70			
Avg Within Lab SD		0.36		0.9			0.62			0.51			0.63			
Labs Included		9		9			9			9			9			
Labs Reporting		9		9			9			9			9			



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
B - Hot Wat. (SubTestCode 176)															
	in the Micronutrients Property Groups														
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
	Data units: mg/kg														
6VRW4Y	0.51	0.32	1.51	0.47	0.68	1.15	0.26	0.05	0.79	0.84	0.40	1.44	0.96	0.37	0.79
		0.06	0.03		0.11	0.05		0.01	0.02		0.09	0.06		0.15	0.03
L2ZREK	0.29	-0.81	0.32	0.27	-0.48	0.24	0.14	-0.74	0.28	0.49	-1.13	0.16	1.14	0.81	0.02
		-0.15	0.01		-0.08	0.01		-0.11	0.01		-0.26	0.01		0.32	0.00
WZDPZ9	0.23	-1.12	2.58	0.17	-1.10	2.93	0.13	-0.78	1.91	0.47	-1.24	3.01	0.53	-0.71	3.59
		-0.21	0.06		-0.19	0.12		-0.12	0.06		-0.28	0.12		-0.28	0.15
BMDY2M	0.33	-0.63	0.26	0.31	-0.24	0.15	0.19	-0.40	0.00	0.58	-0.75	0.08	0.50	-0.79	0.24
		-0.12	0.01		-0.04	0.01		-0.06	0.00		-0.17	0.00		-0.31	0.01
324YCW	0.14	-1.61	1.61	0.20	-0.91	1.11	0.11	-0.96	0.83	0.34	-1.81	1.17	0.26	-1.40	0.49
		-0.31	0.04		-0.15	0.04		-0.14	0.03		-0.41	0.05		-0.56	0.02
TJJTCA	0.45	0.04	0.67	0.40	0.27	0.51	0.27	0.14	1.01	0.79	0.16	0.40	0.91	0.23	0.50
		0.01	0.02		0.05	0.02		0.02	0.03		0.04	0.02		0.09	0.02
WKLRZY	0.38	-0.37	0.93	0.42	0.37	0.64	0.22	-0.18	0.19	0.76	0.02	0.66	0.64	-0.45	0.54
		-0.07	0.02		0.06	0.03		-0.03	0.01		0.01	0.03		-0.18	0.02
J4HWZD	0.22	-1.19	0.45	0.20	-0.91	0.25	0.12	-0.90	0.19	0.42	-1.46	0.91	0.34	-1.19	0.41
		-0.23	0.01		-0.15	0.01		-0.13	0.01		-0.33	0.04		-0.47	0.02
U2UBC6	0.54	0.48	0.90	1.00	3.82	1.67	0.34	0.61	0.88	0.83	0.33	0.54	0.94	0.33	0.36
		0.09	0.02		0.65	0.07		0.09	0.03		0.08	0.02		0.13	0.02
PM96DA	0.36	-0.45	1.25	0.36	0.02	0.50	0.19	-0.38	0.44	0.75	-0.02	1.04	0.70	-0.29	0.83
		-0.09	0.03		0.00	0.02		-0.06	0.01		-0.01	0.04		-0.12	0.04
3DGBJZ	0.42	-0.14		0.45	0.57		0.47	1.49		0.76	0.04		0.06	-1.90	
		-0.03	0.00		0.10	0.00		0.22	0.00		0.01	0.00		-0.75	0.00
UH277Z	0.54	0.46	0.68	0.36	0.04	0.92	0.29	0.25	0.96	0.80	0.20	0.54	1.03	0.53	0.68
		0.09	0.02		0.01	0.04		0.04	0.03		0.05	0.02		0.21	0.03
CY8KWJ	0.45	0.02	0.58	0.32	-0.20	0.20	0.24	-0.05	0.50	0.70	-0.22	0.52	0.75	-0.16	0.73
		0.00	0.01		-0.03	0.01		-0.01	0.02		-0.05	0.02		-0.06	0.03
K88ZXA	0.73	1.46	0.50	0.56	1.23	0.86	0.46	1.41	0.65	1.05	1.32	0.30	1.26	1.13	1.09
		0.28	0.01		0.21	0.03		0.21	0.02		0.30	0.01		0.45	0.05
RUHB6W	1.00	2.88		0.70	2.05	0.00	0.80	3.72	3.32	1.27	2.25	1.50	1.20	0.97	0.00
		0.55	0.00		0.35	0.00		0.55	0.10		0.52	0.06		0.39	0.00
LNx664	0.22	-1.21	1.29	0.18	-1.00	0.73	0.12	-0.90	0.96	0.45	-1.31	0.00	0.33	-1.21	1.36
		-0.23	0.03		-0.17	0.03		-0.13	0.03		-0.30	0.00		-0.48	0.06
TYUGGX	0.48	0.19	0.23	0.34	-0.07	0.15	0.24	-0.05	0.24	0.78	0.11	0.87	0.92	0.26	0.30
		0.04	0.01		-0.01	0.01		-0.01	0.01		0.02	0.03		0.10	0.01
UEHDVX	0.44	-0.04	0.45	0.34	-0.10	0.73	0.24	-0.06	0.33	0.65	-0.44	0.69	0.68	-0.35	0.49
		-0.01	0.01		-0.02	0.03		-0.01	0.01		-0.10	0.03		-0.14	0.02
AMG7JH	0.59	0.73	0.93	0.44	0.51	0.25	0.34	0.61	0.57	0.94	0.81	0.40	1.11	0.74	0.41
		0.14	0.02		0.09	0.01		0.09	0.02		0.19	0.02		0.30	0.02
N8W8V4	0.44	-0.02	0.26	0.35	-0.04	0.39	0.27	0.14	0.33	0.65	-0.46	0.30	0.65	-0.41	0.94
		0.00	0.01		-0.01	0.02		0.02	0.01		-0.10	0.01		-0.16	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		
LDDTR6	0.52	0.39	1.57	0.39	0.22	0.92	0.35	0.68	0.88	0.79	0.15	1.50	0.88	0.16	1.11
		0.08	0.04		0.04	0.04		0.10	0.03		0.04	0.06		0.06	0.05
WEPC6W	0.50	0.27		0.35	-0.02	1.80	0.30	0.34	0.00	0.70	-0.22	0.00	1.00	0.47	
		0.05	0.00		0.00	0.07		0.05	0.00		-0.05	0.00		0.19	0.00
Grand Median		0.45			0.35			0.25			0.75			0.81	
Median Abs Dev		0.09			0.07			0.08			0.10			0.20	
Avg Within Lab SD		0.02			0.04			0.03			0.04			0.04	
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		

B-DTPA/Sorbitol (SubTestCode 177)	in the Micronutrients Property Groups												Data units: mg/kg		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	0.09	-0.83	0.03	0.13	-0.88	0.02	0.07	-0.93	0.27	0.17	-0.95	0.10	0.65	1.95	0.18
		-0.10	0.00		-0.09	0.00		-0.11	0.01		-0.11	0.01		0.19	0.01
RVVXMC	0.08	-0.87	0.12	0.11	-1.08	0.29	0.03	-1.31	0.00	0.15	-1.13	0.09	0.46	0.00	0.13
		-0.11	0.01		-0.11	0.01		-0.15	0.00		-0.13	0.01		0.00	0.01
JXQR6N	0.18	-0.08	0.37	0.22	0.00	0.76	0.21	0.26	0.44	0.31	0.26	0.32	0.51	0.49	0.22
		-0.01	0.02		0.00	0.02		0.03	0.02		0.03	0.02		0.05	0.01
G38DZP	0.29	0.79	0.44	0.27	0.49	0.29	0.19	0.12	0.39	0.30	0.14	0.31	0.60	1.47	0.34
		0.10	0.02		0.05	0.01		0.01	0.02		0.02	0.02		0.14	0.02
2724TW	0.18	-0.11	0.44	0.17	-0.42	1.03	0.15	-0.29	0.29	0.30	0.14	0.15	0.44	-0.21	0.13
		-0.01	0.02		-0.04	0.02		-0.03	0.01		0.02	0.01		-0.02	0.01
EQ8UCK	0.20	0.08	0.00	0.27	0.49	2.87	0.20	0.17	0.00	0.27	-0.14	0.89	0.47	0.04	1.28
		0.01	0.00		0.05	0.06		0.02	0.00		-0.02	0.06		0.00	0.06
B9GHCN	0.30	0.90	0.00	0.30	0.85	0.29	0.31	1.11	0.29	0.50	1.85	0.39	0.46	0.00	0.51
		0.11	0.00		0.09	0.01		0.13	0.01		0.21	0.03		0.00	0.02
CVNF9M													0.37	-1.02	1.28
														-0.10	0.06
9KKUUL	0.53	2.81	3.26	0.40	1.79	0.00	0.37	1.63	1.46	0.50	1.88		0.50	0.39	
		0.34	0.15		0.18	0.00		0.19	0.06		0.22	0.00		0.04	0.00
Q7GPP4	0.25	0.49	0.21	0.27	0.49	0.76	0.22	0.38	0.53	0.31	0.23	0.15	0.55	0.91	0.22
		0.06	0.01		0.05	0.02		0.04	0.02		0.03	0.01		0.09	0.01
7G8JHQ	0.20	0.08	0.00	0.20	-0.16	0.00	0.17	-0.12	1.46	0.20	-0.72	0.00	0.43	-0.32	1.28
		0.01	0.00		-0.02	0.00		-0.01	0.06		-0.08	0.00		-0.03	0.06
FHNX2J	0.11	-0.66	0.25	0.14	-0.77	0.57	0.05	-1.17	0.14	0.26	-0.19	0.54	0.43	-0.39	0.34
		-0.08	0.01		-0.08	0.01		-0.13	0.01		-0.02	0.03		-0.04	0.02
FVERDC	0.14	-0.38	0.85				0.11	-0.61	2.62	0.23	-0.45	3.24	0.31	-1.59	2.73
		-0.05	0.04					-0.07	0.10		-0.05	0.21		-0.15	0.12
Grand Median		0.19			0.22			0.18			0.28			0.46	
Median Abs Dev		0.07			0.05			0.06			0.04			0.04	
Avg Within Lab SD		0.05			0.02			0.04			0.06			0.05	
Labs Included		12			11			12			12			13	
Labs Reporting		12			11			12			12			13	



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

Soil Kjeldahl N (SubTestCode 178)	in the Soil Organic Matter Property Groups												Data units: Percent		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WZDPZ9	0.187	-1.276	1.880	0.050	-1.408	0.000	0.077	-0.432	0.032	0.110	-1.145	1.293	0.117	-1.745	1.088
		-0.039	0.025		-0.014	0.000		-0.031	0.006		-0.046	0.010		-0.071	0.015
JXQR6N	0.224	-0.055	0.388	0.063	-0.069	0.430	0.390	4.007	2.826	0.143	-0.309	1.077	0.175	-0.323	0.576
		-0.002	0.005		-0.001	0.002		0.283	0.504		-0.012	0.008		-0.013	0.008
G38DZP	0.180	-1.503	0.341	0.052	-1.188	0.179	0.074	-0.463	0.011	0.115	-1.018	0.486	0.138	-1.232	0.126
		-0.046	0.005		-0.012	0.001		-0.033	0.002		-0.041	0.004		-0.050	0.002
EQ8UCK	0.215	-0.360	0.497	0.064	0.069	0.814	0.093	-0.196	0.032	0.148	-0.201	0.747	0.206	0.454	2.142
		-0.011	0.007		0.001	0.004		-0.014	0.006		-0.008	0.006		0.019	0.030
U2UBC6	0.227	0.055	0.525	0.058	-0.567	2.158	0.102	-0.068	0.053	0.164	0.201	0.611	0.181	-0.159	1.127
		0.002	0.007		-0.006	0.010		-0.005	0.010		0.008	0.005		-0.007	0.016
2PWFGW	0.243	0.578	0.497	0.068	0.447	0.937	0.112	0.073	0.091	0.193	0.936	1.350	0.194	0.159	0.206
		0.018	0.007		0.004	0.004		0.005	0.016		0.037	0.010		0.007	0.003
AMG7JH	0.246	0.665	1.005	0.070	0.653	0.215	0.112	0.068	0.010	0.198	1.061	1.274	0.220	0.780	0.250
		0.020	0.013		0.006	0.001		0.005	0.002		0.042	0.010		0.032	0.004
WEPC6W	0.253	0.905	1.555	0.073	0.996	1.241	0.113	0.087	0.032	0.177	0.526	0.747	0.210	0.543	0.712
		0.028	0.021		0.010	0.006		0.006	0.006		0.021	0.006		0.022	0.010
Grand Median		0.23		0.064			0.11			0.16			0.19		
Median Abs Dev		0.02		0.006			0.01			0.03			0.02		
Avg Within Lab SD		0.01		0.005			0.18			0.01			0.01		
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 TN (combustion) (SubTestCode 179)	in the Soil Organic Matter Property Groups														Data units: Percent
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	0.250	0.000	0.878	0.067	0.108	1.228	0.113	0.371	1.127	0.170	0.180	0.000	0.193	0.084	0.533
		0.000	0.010		0.001	0.006		0.007	0.006		0.005	0.000		0.002	0.006
RVVXMC	0.267	0.714	0.317	0.076	0.799	0.535	0.120	0.760	0.113	0.185	0.715	0.853	0.206	0.618	0.092
		0.017	0.004		0.010	0.003		0.014	0.001		0.020	0.003		0.015	0.001
6VRW4Y	0.242	-0.325	0.188	0.065	0.000	0.169	0.103	-0.226	0.176	0.165	0.000	0.323	0.186	-0.216	1.684
		-0.008	0.002		0.000	0.001		-0.004	0.001		0.000	0.001		-0.005	0.018
G38DZP	0.180	-2.939	0.000	0.060	-0.404	0.000	0.080	-1.482	0.000	0.130	-1.248	0.000	0.143	-2.021	0.533
		-0.070	0.000		-0.005	0.000		-0.027	0.000		-0.035	0.000		-0.048	0.006
EQ8UCK	0.276	1.078	1.321	0.103	2.872	1.171	0.149	2.334	0.406	0.211	1.631	0.671	0.241	2.105	2.881
		0.026	0.015		0.037	0.006		0.042	0.002		0.046	0.002		0.050	0.031
9KKUUL	0.263	0.560	0.507	0.063	-0.148	1.228	0.107	0.000	1.127	0.167	0.061	1.861	0.197	0.225	0.533
		0.013	0.006		-0.002	0.006		0.000	0.006		0.002	0.006		0.005	0.006
EPDALE	0.271	0.896	0.308	0.085	1.515	0.425	0.126	1.056	0.451	0.188	0.834	1.524	0.206	0.604	0.053
		0.021	0.004		0.020	0.002		0.019	0.002		0.023	0.005		0.014	0.001
LZAKW9	0.244	-0.252	0.232	0.059	-0.455	0.443	0.100	-0.371	0.517	0.163	-0.058	0.671	0.191	0.000	0.053
		-0.006	0.003		-0.006	0.002		-0.007	0.003		-0.002	0.002		0.000	0.001
U2UBC6	0.243	-0.280	2.823	0.070	0.364	2.127	0.107	0.000	2.254	0.103	-2.199	1.861	0.170	-0.898	0.923
		-0.007	0.032		0.005	0.010		0.000	0.012		-0.062	0.006		-0.021	0.010
HPCTQC	0.263	0.560	0.507	0.063	-0.148	1.228	0.100	-0.371	0.000	0.140	-0.891	0.000	0.180	-0.477	0.000
		0.013	0.006		-0.002	0.006		-0.007	0.000		-0.025	0.000		-0.011	0.000
K88ZXA	0.264	0.588	0.402	0.075	0.773	0.325	0.115	0.445	0.113	0.178	0.453	0.372	0.211	0.842	0.107
		0.014	0.005		0.010	0.002		0.008	0.001		0.013	0.001		0.020	0.001
2PWFGW	0.239	-0.466	1.193	0.050	-1.162	0.913	0.084	-1.280	1.848	0.159	-0.227	1.279	0.178	-0.552	0.122
		-0.011	0.014		-0.015	0.004		-0.023	0.009		-0.006	0.004		-0.013	0.001
AMG7JH	0.247	-0.112	0.366	0.065	-0.020	0.975	0.105	-0.074	1.127	0.157	-0.272	0.492	0.188	-0.126	0.349
		-0.003	0.004		0.000	0.005		-0.001	0.006		-0.008	0.002		-0.003	0.004
Grand Median		0.25		0.065			0.11			0.16			0.19		
Median Abs Dev		0.01		0.005			0.01			0.01			0.01		
Avg Within Lab SD		0.01		0.005			0.01			0.00			0.01		
Labs Included		13		13			13			13			13		
Labs Reporting		13		13			13			13			13		



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

Soil TOC (Combustion) (SubTestCode 180)	in the Soil Organic Matter Property Groups															Data units: Percent
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415			
PD3DTL	0.73	-3.76	0.18	0.15	-3.65	0.17	0.35	-4.16	0.07	0.43	-3.96	0.02	0.48	-4.60	0.04	
		-2.19	0.01		-0.45	0.00		-1.00	0.01		-1.28	0.00		-1.43	0.00	
RVVXMC	2.94	0.03	0.15	0.67	0.63	0.36	1.40	0.19	0.14	1.84	0.40	0.17	1.98	0.21	0.09	
		0.02	0.01		0.08	0.01		0.05	0.01		0.13	0.02		0.06	0.01	
324YCW	2.90	-0.03	0.00	0.60	0.03	0.00	1.40	0.21	0.00	1.63	-0.25	0.42	1.70	-0.68	0.00	
		-0.02	0.00		0.00	0.00		0.05	0.00		-0.08	0.06		-0.21	0.00	
LZAKW9	2.82	-0.17	0.04	0.62	0.20	0.18	1.33	-0.06	0.22	1.73	0.05	0.08	1.90	-0.06	0.16	
		-0.10	0.00		0.02	0.00		-0.02	0.02		0.02	0.01		-0.02	0.02	
U2UBC6	3.37	0.77	0.47	0.66	0.49	1.50	1.42	0.28	0.26	1.51	-0.62	0.18	1.89	-0.08	0.50	
		0.45	0.04		0.06	0.03		0.07	0.03		-0.20	0.03		-0.03	0.06	
PXPUCE	3.57	1.12	0.77	0.54	-0.43	0.91	1.30	-0.20	0.00	1.70	-0.05	0.00	2.00	0.28		
		0.65	0.06		-0.05	0.02		-0.05	0.00		-0.02	0.00		0.09	0.00	
CY8KWJ	2.97	0.08	0.57	0.59	-0.03	0.95	1.23	-0.48	0.10	1.79	0.22	0.32	1.93	0.06	0.11	
		0.05	0.04		0.00	0.02		-0.12	0.01		0.07	0.04		0.02	0.01	
HPCTQC	3.29	0.63	0.20	0.56	-0.32	0.69	1.26	-0.35	0.26	1.58	-0.42	0.19	1.85	-0.20	0.14	
		0.37	0.02		-0.04	0.01		-0.09	0.03		-0.14	0.03		-0.06	0.02	
K88ZXA	2.89	-0.05	0.19	0.69	0.80	0.31	1.36	0.06	0.04	1.75	0.10	0.07	1.94	0.08	0.09	
		-0.03	0.01		0.10	0.01		0.02	0.00		0.03	0.01		0.02	0.01	
WEPC6W	2.86	-0.09	2.95	0.58	-0.16	2.29	1.53	0.73	3.13	1.94	0.68	3.10	2.07	0.50	3.11	
		-0.05	0.22		-0.02	0.04		0.18	0.31		0.22	0.43		0.16	0.38	
Grand Median		2.92		0.60			1.35			1.72			1.91			
Median Abs Dev		0.08		0.05			0.06			0.11			0.06			
Avg Within Lab SD		0.07		0.02			0.10			0.14			0.12			
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		

SOM - Walkley-Black (SubTestCode 181)			in the Soil Organic Matter Property Groups										Data units: Percent		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
RVVXMC	5.56	0.59	0.29	1.21	0.40	0.87	2.27	-0.34	0.44	3.00	0.37	0.90	3.38	0.29	0.73
		0.61	0.07		0.13	0.08		-0.13	0.09		0.23	0.07		0.11	0.09
WZDPZ9	7.08	2.09	1.89	0.68	-1.29	0.16	2.59	0.51	2.98	2.05	-1.11	2.29	3.04	-0.60	0.32
		2.13	0.44		-0.41	0.01		0.19	0.61		-0.72	0.18		-0.23	0.04
2724TW	4.59	-0.36	0.28	1.27	0.57	0.69	2.39	-0.01	0.40	2.93	0.26	1.22	3.51	0.61	0.26
		-0.36	0.07		0.18	0.06		0.00	0.08		0.17	0.10		0.23	0.03
EQ8UCK	4.93	-0.02	2.62	1.23	0.47	2.66	3.00	1.59	1.69	3.03	0.42	1.95	3.27	-0.02	2.62
		-0.02	0.61		0.15	0.23		0.60	0.35		0.27	0.15		-0.01	0.31
CVNF9M	4.36	-0.58	0.50	1.03	-0.19	0.87	2.19	-0.55	0.83	2.73	-0.05	0.52	2.91	-0.96	1.20
		-0.59	0.12		-0.06	0.08		-0.21	0.17		-0.04	0.04		-0.37	0.14
324YCW	5.73	0.77	1.62	0.80	-0.91	2.00	2.90	1.32	0.85	2.20	-0.87	1.28	2.97	-0.80	1.78
		0.78	0.38		-0.29	0.17		0.50	0.17		-0.56	0.10		-0.31	0.21
B8MWKH	4.60	-0.35	0.00	0.33	-2.40	0.00	2.62	0.59	0.00	0.74	-3.15	0.00	3.45	0.46	0.00
		-0.35	0.00		-0.76	0.00		0.22	0.00		-2.02	0.00		0.18	0.00
LZAKW9	4.97	0.02	0.00	1.16	0.24	0.00	2.40	0.01	0.00	2.89	0.20	0.00	3.28	0.02	0.00
		0.02	0.00		0.07	0.00		0.00	0.00		0.13	0.00		0.01	0.00
PXPUCE	5.90	0.93	0.11	0.88	-0.66	0.35	2.21	-0.48	0.17	2.76	-0.01	0.29	3.30	0.06	0.18
		0.95	0.03		-0.21	0.03		-0.18	0.04		-0.01	0.02		0.02	0.02
3DGBJZ	6.39	1.41	0.00	1.55	1.47	0.00	2.64	0.64	0.00	4.09	2.07	0.00	4.56	3.36	0.00
		1.44	0.00		0.46	0.00		0.24	0.00		1.33	0.00		1.29	0.00
K88ZXA	5.61	0.64	0.16	1.11	0.09	0.58	2.46	0.16	0.21	2.93	0.27	0.51	3.48	0.53	0.07
		0.66	0.04		0.03	0.05		0.06	0.04		0.17	0.04		0.20	0.01
2PWFGW	4.76	-0.19	0.38	1.06	-0.09	0.16	2.28	-0.31	0.22	2.77	0.01	0.56	3.19	-0.23	0.33
		-0.19	0.09		-0.03	0.01		-0.12	0.05		0.01	0.04		-0.09	0.04
RUHB6W	4.27	-0.67	0.25	1.17	0.26	0.67	1.63	-2.01	0.56	2.60	-0.25	0.00	2.87	-1.06	0.49
		-0.69	0.06		0.08	0.06		-0.76	0.12		-0.16	0.00		-0.41	0.06
AMG7JH	4.11	-0.82	0.52	0.96	-0.40	0.00	2.05	-0.92	0.12	2.50	-0.40	0.37	3.10	-0.46	1.20
		-0.84	0.12		-0.13	0.00		-0.35	0.03		-0.26	0.03		-0.18	0.14
Grand Median		4.95			1.09			2.40			2.76			3.27	
Median Abs Dev		0.63			0.14			0.20			0.20			0.19	
Avg Within Lab SD		0.23			0.09			0.20			0.08			0.12	
Labs Included		14			14			14			14			14	
Labs Reporting		14			14			14			14			14	



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

	SOM - LOI (% Wt loss) (SubTestCode 182)			in the Soil Organic Matter Property Groups									Data units: Percent		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
QV2TTC	5.47	-0.38	1.82	1.23	-0.02	0.01	2.51	-0.19	1.12	3.37	-0.44	0.74	3.77	-0.35	0.53
		-0.23	0.25		-0.02	0.06		-0.06	0.12		-0.23	0.15		-0.18	0.15
RFZGXD	5.46	-0.40	0.17	1.26	0.01	0.00	2.46	-0.36	1.01	3.33	-0.50	0.28	3.59	-0.70	0.11
		-0.24	0.02		0.01	0.02		-0.11	0.10		-0.27	0.06		-0.36	0.03
6VRW4Y	5.38	-0.53	1.15	1.15	-0.12	0.01	2.45	-0.38	0.74	3.30	-0.56	0.91	3.64	-0.60	0.71
		-0.31	0.16		-0.10	0.03		-0.11	0.08		-0.30	0.19		-0.31	0.20
L2ZREK	5.46	-0.39	0.39	1.23	-0.03	0.00	2.46	-0.37	0.64	3.27	-0.61	0.16	3.54	-0.79	0.12
		-0.23	0.05		-0.03	0.02		-0.11	0.07		-0.33	0.03		-0.40	0.03
TNT9JC	6.10	0.70	0.00	1.47	0.24	0.01	2.67	0.33	0.56	3.80	0.37	0.00	4.10	0.30	0.00
		0.41	0.00		0.21	0.06		0.10	0.06		0.20	0.00		0.16	0.00
WZDPZ9	6.08	0.67	0.72	1.32	0.07	0.01	2.70	0.43	0.99	3.86	0.49	0.79	4.11	0.31	0.48
		0.39	0.10		0.06	0.07		0.13	0.10		0.26	0.16		0.16	0.14
JXQR6N	5.85	0.26	0.11	1.25	0.00	0.00	2.57	0.00	0.15	3.78	0.34	0.32	4.11	0.31	0.24
		0.16	0.02		0.00	0.02		0.00	0.02		0.18	0.07		0.16	0.07
T9XRTE	5.47	-0.38	0.42	1.53	0.32	0.01	2.97	1.34	1.12				3.73	-0.41	0.20
		-0.23	0.06		0.28	0.06		0.40	0.12					-0.21	0.06
G38DZP	5.51	-0.31	0.76	1.68	0.48	0.01	2.83	0.89	1.41	4.04	0.82	0.03	4.16	0.42	0.28
		-0.18	0.11		0.43	0.04		0.27	0.15		0.44	0.01		0.22	0.08
GUGULG	5.04	-1.11	1.72	1.41	0.18	0.03	2.48	-0.29	1.89	3.67	0.14	0.51	4.07	0.24	0.21
		-0.65	0.24		0.16	0.13		-0.09	0.20		0.07	0.11		0.13	0.06
BMDY2M	5.76	0.12	0.19	1.24	-0.02	0.01	2.57	0.00	0.24	3.58	-0.03	0.27	3.94	-0.02	0.26
		0.07	0.03		-0.02	0.03		0.00	0.03		-0.02	0.06		-0.01	0.08
26RTZY	5.63	-0.10	0.66	1.42	0.19	0.01	2.65	0.29	1.23	3.65	0.10	0.49	3.91	-0.07	0.09
		-0.06	0.09		0.17	0.08		0.09	0.13		0.05	0.10		-0.04	0.03
EQ8UCK	4.59	-1.87	1.58	1.20	-0.06	0.02	2.42	-0.48	1.22	3.38	-0.40	0.28	3.69	-0.50	0.31
		-1.10	0.22		-0.06	0.09		-0.14	0.13		-0.22	0.06		-0.26	0.09
B9GHCN	6.00	0.52		1.10	-0.17	0.00	2.58	0.06	0.28	3.53	-0.12	0.14	3.87	-0.15	0.20
		0.31	0.00		-0.15	0.00		0.02	0.03		-0.07	0.03		-0.08	0.06
MXYZLE	5.78	0.15	0.19	1.32	0.08	0.01	2.60	0.12	0.78	3.71	0.21	0.25	4.09	0.28	0.30
		0.09	0.03		0.07	0.06		0.04	0.08		0.11	0.05		0.15	0.09
CLYU3N	6.03	0.58	0.42	1.20	-0.06	0.02	2.57	0.00	1.12	3.73	0.25	0.28	4.10	0.30	0.35
		0.34	0.06		-0.05	0.10		0.00	0.12		0.13	0.06		0.16	0.10
324YCW	6.50	1.38		1.60	0.39	0.00				4.50	1.68		4.83	1.72	0.20
		0.81	0.00		0.35	0.00					0.90	0.00		0.89	0.06
TJJTCA	6.20	0.87	0.66	1.39	0.16	0.01	2.67	0.36	0.55	3.31	-0.55	0.76	3.65	-0.57	0.43
		0.51	0.09		0.14	0.04		0.11	0.06		-0.29	0.16		-0.29	0.12
C2ET8P	5.95	0.44	0.29	1.29	0.04	0.01	2.66	0.30	0.45	3.91	0.59	0.17	4.33	0.75	0.37
		0.26	0.04		0.04	0.03		0.09	0.05		0.31	0.04		0.39	0.11
9KKUUL	5.73	0.07	0.67	1.20	-0.06	0.00	2.52	-0.14	0.53	3.41	-0.36	0.19	3.71	-0.46	0.13
		0.04	0.09		-0.05	0.02		-0.04	0.06		-0.19	0.04		-0.24	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		
GTL9VB	6.02	0.56	0.18	1.33	0.08	0.01	3.84	4.24	0.06	2.62	-1.83	0.13	4.18	0.46	0.03
		0.33	0.03		0.07	0.05		1.27	0.01		-0.98	0.03		0.24	0.01
J997AC	5.80	0.18	0.00	1.23	-0.02	0.01	2.53	-0.11	0.56	3.60	0.00	0.00	3.87	-0.15	0.20
		0.11	0.00		-0.02	0.06		-0.03	0.06		0.00	0.00		-0.08	0.06
24X99T	5.50	-0.32	0.18	1.39	0.15	0.01	2.61	0.14	0.59	3.89	0.54	0.75	4.34	0.77	0.74
		-0.19	0.03		0.14	0.04		0.04	0.06		0.29	0.15		0.40	0.21
EPDALE	6.34	1.10	0.13	1.23	-0.03	0.02	2.79	0.75	1.19	3.85	0.47	0.47	4.15	0.40	0.30
		0.65	0.02		-0.02	0.10		0.22	0.12		0.25	0.10		0.21	0.09
WKLRZY	4.55	-1.94	0.61	1.08	-0.20	0.00	2.16	-1.36	0.50	3.03	-1.07	0.25	3.30	-1.26	0.17
		-1.14	0.08		-0.17	0.02		-0.41	0.05		-0.57	0.05		-0.65	0.05
7PG2YN	5.48	-0.36	0.62	1.25	0.00	0.01	2.48	-0.30	0.22	3.03	-1.06	0.10	3.39	-1.07	0.34
		-0.21	0.09		0.00	0.07		-0.09	0.02		-0.57	0.02		-0.55	0.10
LZAKW9	5.73	0.07	0.42	1.17	-0.10	0.03	2.57	0.00	1.12	3.90	0.56	0.97	4.07	0.24	0.53
		0.04	0.06		-0.09	0.15		0.00	0.12		0.30	0.20		0.12	0.15
U2UBC6	5.03	-1.13	1.39	1.19	-0.08	0.00	2.54	-0.08	0.53	3.68	0.14	0.18	4.03	0.17	0.22
		-0.66	0.19		-0.07	0.01		-0.02	0.06		0.08	0.04		0.09	0.06
PM96DA	5.80	0.18	0.72	1.30	0.05	0.00	2.63	0.22	0.56	3.87	0.50	0.56	4.20	0.50	0.35
		0.11	0.10		0.05	0.00		0.07	0.06		0.27	0.12		0.26	0.10
7MTEJU	5.59	-0.18	0.44	1.05	-0.23	0.00	2.63	0.20	0.50	3.43	-0.31	0.24	3.67	-0.53	0.10
		-0.11	0.06		-0.20	0.02		0.06	0.05		-0.17	0.05		-0.27	0.03
V7GHA4	5.84	0.26	0.00	1.36	0.12	0.00	2.74	0.59	0.01	3.59	-0.01	0.01	3.95	0.02	0.00
		0.15	0.00		0.10	0.00		0.18	0.00		-0.01	0.00		0.01	0.00
LQ2XXG	5.73	0.07	0.83	1.07	-0.21	0.01	2.37	-0.67	0.56	3.57	-0.06	0.28	3.87	-0.15	0.20
		0.04	0.12		-0.19	0.06		-0.20	0.06		-0.03	0.06		-0.08	0.06
BCCJ6Q	5.43	-0.44	2.32	1.13	-0.14	0.04	2.53	-0.11	2.80	3.50	-0.19	0.84	3.83	-0.22	0.73
		-0.26	0.32		-0.12	0.23		-0.03	0.29		-0.10	0.17		-0.11	0.21
PXPUCE	7.12	2.44	0.36	0.87	-0.43	0.01	2.39	-0.59	0.10	3.29	-0.57	2.24	4.70	1.46	6.16
		1.43	0.05		-0.38	0.06		-0.18	0.01		-0.31	0.46		0.75	1.76
3DGBJZ	5.77	0.14	2.35	1.84	0.66	0.03	3.28	2.40	2.05	4.03	0.80	0.75	4.46	1.01	0.79
		0.08	0.32		0.58	0.13		0.72	0.21		0.43	0.16		0.52	0.22
829WQN	5.69	0.00	0.69	1.13	-0.14	0.01	2.36	-0.70	0.28	3.64	0.07	0.19	3.96	0.03	0.17
		0.00	0.10		-0.12	0.03		-0.21	0.03		0.04	0.04		0.02	0.05
QQL8Z6	5.56	-0.23	0.36	1.17	-0.10	0.02	2.53	-0.11	0.53	3.60	0.00	0.40	3.80	-0.28	0.37
		-0.14	0.05		-0.09	0.11		-0.03	0.06		0.00	0.08		-0.14	0.11
7G8JHQ	5.60	-0.16	0.00	1.10	-0.17	0.00	2.37	-0.67	0.56	3.50	-0.19	0.48	3.93	-0.02	0.20
		-0.09	0.00		-0.15	0.00		-0.20	0.06		-0.10	0.10		-0.01	0.06
EWPAWH	5.66	-0.05	0.36	1.19	-0.07	0.00	2.46	-0.36	0.10	3.56	-0.07	0.07	3.81	-0.26	0.07
		-0.03	0.05		-0.06	0.02		-0.11	0.01		-0.04	0.02		-0.13	0.02
H4YZND	5.86	0.29	0.80	1.43	0.20	0.02	2.72	0.50	1.29	3.83	0.43	0.94	4.12	0.35	0.74
		0.17	0.11		0.18	0.12		0.15	0.13		0.23	0.19		0.18	0.21
FHNX2J	5.69	0.00	2.00	1.27	0.02	0.02	2.64	0.26	1.17	3.53	-0.12	0.88	3.87	-0.15	0.59
		0.00	0.28		0.01	0.11		0.08	0.12		-0.07	0.18		-0.08	0.17
2PWFGW	5.13	-0.95	0.73	1.00	-0.28	0.00	2.22	-1.14	0.38	2.85	-1.41	0.33	3.26	-1.32	0.12
		-0.56	0.10		-0.25	0.02		-0.34	0.04		-0.75	0.07		-0.68	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		
E4RJ3A	6.43	1.26	0.60	1.79	0.60	0.03	2.65	0.29	0.81	3.18	-0.78	0.40	3.61	-0.64	0.11
		0.74	0.08		0.53	0.14		0.09	0.08		-0.42	0.08		-0.33	0.03
QGYAAZ	5.26	-0.74	2.18	21.82	23.15	6.93	2.32	-0.84	1.33	4.25	1.21	5.34	4.01	0.12	1.26
		-0.43	0.30		20.57	35.63		-0.25	0.14		0.65	1.10		0.06	0.36
AMG7JH	5.17	-0.89	0.83	1.40	0.17	0.00	2.57	0.00	0.56	3.77	0.31	0.74	4.03	0.17	0.40
		-0.53	0.12		0.15	0.00		0.00	0.06		0.17	0.15		0.09	0.12
N8W8V4	8.95	5.55	0.46	3.04	2.01	0.01	4.93	7.91	0.24	7.82	7.88	0.15	8.73	9.30	0.26
		3.26	0.06		1.79	0.06		2.37	0.03		4.22	0.03		4.79	0.08
WEPC6W	4.90	-1.35	0.00	1.25	0.00	0.01	2.35	-0.72	0.68	3.10	-0.93	0.69	3.45	-0.96	0.74
		-0.79	0.00		0.00	0.07		-0.22	0.07		-0.50	0.14		-0.50	0.21
FVERDC	5.53	-0.27	2.74	1.50	0.28	0.06	2.53	-0.11	2.44	4.47	1.62	1.70	4.53	1.14	1.41
		-0.16	0.38		0.25	0.30		-0.03	0.25		0.87	0.35		0.59	0.40
Grand Median		5.69			1.25			2.57			3.60			3.95	
Median Abs Dev		0.23			0.11			0.10			0.23			0.19	
Avg Within Lab SD		0.14			5.14			0.10			0.21			0.29	
Labs Included		48			48			47			47			48	
Labs Reporting		48			48			47			47			48	



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

CaCO3 Content (SubTestCode 183)	in the Content Property Groups												Data units: Percent		
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WZDPZ9	0.64	-0.19	0.40	0.39	-0.56	0.26	0.09	-0.58	0.22	0.57	-0.53	0.88	1.96	0.20	0.92
		-0.06	0.04		-0.16	0.04		-0.22	0.02		-0.27	0.06		0.10	0.08
G38DZP	1.34	1.91	0.45	0.70	0.58	0.20	0.45	0.37	0.31	1.60	1.52	0.24	1.97	0.22	0.84
		0.63	0.05		0.16	0.03		0.14	0.03		0.77	0.02		0.11	0.07
324YCW	0.57	-0.42	1.15	0.27	-1.00	0.99	0.17	-0.37	1.18	1.00	0.33	1.54	1.77	-0.20	0.70
		-0.14	0.12		-0.28	0.15		-0.14	0.12		0.17	0.10		-0.10	0.06
EPDALE	0.77	0.19	1.52	0.70	0.56	1.71	0.83	1.37	1.57	0.67	-0.33	0.89	0.87	-2.07	1.40
		0.06	0.15		0.16	0.26		0.53	0.15		-0.17	0.06		-1.00	0.12
Grand Median		0.71		0.54			0.31			0.83			1.87		
Median Abs Dev		0.10		0.16			0.18			0.22			0.10		
Avg Within Lab SD		0.10		0.15			0.10			0.06			0.08		
Labs Included		4		4			4			4			4		
Labs Reporting		4		4			4			4			4		



ALP Program - Participant Web Summary Report - Cycle 25

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

CEC - Cation Displacement (SubTestCode 184)															
in the Other 1 Property Groups															
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
RVVXMC	12.67	-0.02	0.74	7.37	0.04	1.22	7.80	0.36	0.73	22.47	0.09	0.21	23.50	0.18	0.52
		-0.14	0.65		0.11	0.32		1.09	0.26		0.78	0.23		1.63	0.70
WZDPZ9	0.10	-1.84	0.01	0.54	-2.74	0.04	0.65	-2.00	0.05	0.16	-2.53	0.01	0.34	-2.34	0.01
		-12.71	0.01		-6.72	0.01		-6.07	0.02		-21.53	0.01		-21.53	0.01
G38DZP	12.94	0.02	0.61	7.73	0.19	0.13	7.72	0.33	0.19	21.83	0.02	0.12	22.48	0.07	0.33
		0.14	0.54		0.47	0.03		1.01	0.07		0.14	0.13		0.61	0.44
2724TW	11.30	-0.22	0.11	6.61	-0.26	0.12	6.39	-0.11	0.05	18.27	-0.40	0.14	19.60	-0.25	0.07
		-1.51	0.10		-0.65	0.03		-0.33	0.02		-3.42	0.15		-2.27	0.10
EQ8UCK	14.28	0.21	2.62	7.15	-0.04	2.47	6.82	0.03	2.65	21.55	-0.02	2.78	20.42	-0.16	2.71
		1.48	2.29		-0.11	0.65		0.10	0.96		-0.14	3.07		-1.46	3.66
324YCW	28.60	2.28	0.40	11.67	1.80	0.58	14.13	2.45	0.63	35.57	1.63	0.34	38.77	1.83	0.37
		15.80	0.35		4.41	0.15		7.42	0.23		13.88	0.38		16.90	0.49
LZAKW9	10.31	-0.36		6.94	-0.13		6.49	-0.07		20.02	-0.20		21.26	-0.07	
		-2.50	0.00		-0.32	0.00		-0.23	0.00		-1.67	0.00		-0.61	0.00
AMG7JH	15.90	0.45	0.11	7.70	0.18	0.25	6.61	-0.03	0.09	26.07	0.51	0.28	26.60	0.51	0.41
		3.10	0.10		0.44	0.07		-0.10	0.03		4.38	0.31		4.73	0.56
Grand Median		12.8		7.26			6.72			21.7			21.9		
Median Abs Dev		2.0		0.46			0.67			2.5			2.0		
Avg Within Lab SD		0.9		0.26			0.36			1.1			1.4		
Labs Included		8		8			8			8			8		
Labs Reporting		8		8			8			8			8		



ALP Program - Participant Web Summary Report - Cycle 25

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

CEC - Estimation (SubTestCode 185)	in the Other 1 Property Groups														Data units: cmol/kg
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
WZDPZ9	8.20	-0.12	0.22	7.10	0.00	0.04	2.64	-0.08	0.00	19.37	-0.01	0.16	28.75	0.14	0.70
		-2.65	0.18		0.00	0.08		-1.69	0.06		-0.29	0.46		2.68	1.10
JXQR6N	13.29	0.11	0.04	8.42	0.02	0.08	9.94	0.25	0.01	27.35	0.26	0.17	29.71	0.19	0.26
		2.44	0.03		1.33	0.17		5.60	0.18		7.68	0.50		3.65	0.41
CVNF9M	5.67	-0.24	0.70	5.67	-0.02	0.28	1.67	-0.12	0.03	15.33	-0.15	0.40	22.67	-0.18	0.98
		-5.18	0.58		-1.43	0.58		-2.67	0.58		-4.33	1.15		-3.40	1.53
C2ET8P	5.43	-0.25	0.07	6.17	-0.02	0.10	1.60	-0.12	0.00	16.90	-0.09	0.00	24.63	-0.08	0.30
		-5.42	0.06		-0.93	0.21		-2.73	0.00		-2.77	0.00		-1.43	0.47
9KKUUL	12.33	0.07	0.67	7.07	0.00	0.06	6.63	0.10	0.03	25.13	0.18	0.23	24.93	-0.06	0.13
		1.48	0.55		-0.03	0.12		2.30	0.58		5.47	0.67		-1.13	0.21
U2UBC6	10.85	0.00	0.63	6.19	-0.02	0.04	7.57	0.15	0.02	17.58	-0.07	0.25	19.22	-0.37	0.56
		0.00	0.52		-0.91	0.09		3.24	0.42		-2.09	0.73		-6.84	0.88
E4RJ3A	8.70	-0.10	0.00	8.13	0.02	0.03	4.27	0.00	0.00	19.67	0.00	0.16	26.07	0.00	0.47
		-2.15	0.00		1.04	0.06		-0.07	0.06		0.00	0.46		0.00	0.74
LNK664	10.87	0.00	0.70	8.40	0.02	0.22	4.33	0.00	0.01	23.47	0.13	0.07	30.50	0.24	0.82
		0.02	0.58		1.30	0.46		0.00	0.15		3.80	0.21		4.43	1.28
QGYAAZ	122.71	5.18	2.67	355.76	5.95	2.97	119.85	5.24	3.00	173.68	5.18	2.94	116.22	4.81	2.48
		111.86	2.19		348.67	6.11		115.52	66.41		154.01	8.56		90.15	3.87
Grand Median		10.9		7.10			4.33			19.7			26.1		
Median Abs Dev		2.4		1.04			2.67			3.8			3.4		
Avg Within Lab SD		0.8		2.05			22.14			2.9			1.6		
Labs Included		9		9			9			9			9		
Labs Reporting		9		9			9			9			9		



ALP Program - Participant Web Summary Report - Cycle 25

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

Soil Density (Scoop) (SubTestCode 186)	in the Other 1 Property Groups										Data units: g/cc
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		
WZDPZ9	1.41	0.69	1.58	0.38	1.34	0.20	1.43	0.07	1.47	0.40	
		0.01		0.01		0.01		0.00		0.01	
UH277Z	1.32	1.27	1.47	0.58	1.24	0.26	1.38	0.23	1.39	0.00	
		0.02		0.02		0.01		0.01		0.00	
LDDTR6	1.20	0.96	1.33	1.59	0.97	1.70	1.20	1.72	1.28	1.69	
		0.01		0.04		0.06		0.08		0.03	
Grand Median		1.32		1.47		1.24		1.38		1.39	
Median Abs Dev											
Avg Within Lab SD		0.01		0.03		0.04		0.04		0.02	
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		

	Sand 2000 - 50 um (SubTestCode 187) in the Particle Size Analysis Property Groups														
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	65.0	0.2		52.1	0.2	0.5	34.6	0.0	0.4	21.3	1.0	3.4	37.1	0.0	1.2
		1.3	0.0		1.1	0.7		0.0	0.7		6.9	7.5		-0.1	1.9
6VRW4Y	59.7	-0.6	1.3	48.7	-0.3	1.7	34.7	0.0	0.8	14.7	0.0	0.3	37.7	0.1	2.3
		-4.1	1.5		-2.3	2.3		0.1	1.5		0.3	0.6		0.5	3.5
WZDPZ9	69.7	0.9	2.2	53.0	0.3	1.3	38.0	0.6	0.5	18.7	0.6	0.5	41.7	0.9	0.4
		5.9	2.5		2.0	1.7		3.4	1.0		4.3	1.2		4.5	0.6
JXQR6N	63.7	0.0	1.6	49.7	-0.2	0.2	33.7	-0.2	1.1	14.4	0.0	0.6	38.4	0.2	0.9
		0.0	1.8		-1.3	0.2		-0.9	2.0		0.0	1.4		1.3	1.4
MXYZLE	57.3	-1.0	0.7	59.9	1.3	1.1	35.3	0.1	0.4	22.1	1.1	0.7	41.2	0.8	0.4
		-6.4	0.8		8.9	1.5		0.7	0.8		7.7	1.5		4.1	0.7
324YCW	62.7	-0.2	0.5	49.0	-0.3		34.3	0.0	0.6	14.3	0.0	0.5	37.0	0.0	
		-1.1	0.6		-2.0	0.0		-0.3	1.2		-0.1	1.2		-0.1	0.0
TJJTCA	71.0	1.1		51.0	0.0		38.3	0.7	2.3	11.3	-0.4	0.5	35.3	-0.3	0.7
		7.3	0.0		0.0	0.0		3.8	4.2		-3.1	1.2		-1.8	1.2
C2ET8P	64.9	0.2	0.4	40.5	-1.5	0.1	30.8	-0.7	0.2	9.9	-0.6	0.4	35.3	-0.4	0.7
		1.1	0.5		-10.5	0.1		-3.8	0.3		-4.5	1.0		-1.9	1.0
9KKUUL	71.0	1.1		51.0	0.0		41.0	1.2		21.0	0.9		51.0	2.6	
		7.3	0.0		0.0	0.0		6.4	0.0		6.6	0.0		13.9	0.0
24X99T	57.6	-1.0	0.0	46.4	-0.7	0.0	28.4	-1.2	0.0	11.2	-0.4	0.0	33.6	-0.7	0.0
		-6.1	0.0		-4.6	0.0		-6.2	0.0		-3.2	0.0		-3.5	0.0
B8MWKH	65.0	0.2		64.0	1.8		36.0	0.3		14.0	-0.1		36.0	-0.2	
		1.3	0.0		13.0	0.0		1.4	0.0		-0.4	0.0		-1.1	0.0
U2UBC6	62.0	-0.3		48.0	-0.4		32.0	-0.5		14.0	-0.1		38.0	0.2	
		-1.8	0.0		-3.0	0.0		-2.6	0.0		-0.4	0.0		0.8	0.0
UH277Z	62.0	-0.3		52.0	0.1		32.0	-0.5		12.7	-0.2	0.5	36.0	-0.2	
		-1.7	0.0		1.0	0.0		-2.6	0.0		-1.7	1.2		-1.1	0.0
CY8KWJ	71.2	1.2	1.6	53.1	0.3	0.7	35.9	0.3	0.9	27.7	1.9	0.3	47.4	1.9	0.8
		7.5	1.8		2.1	1.0		1.3	1.6		13.3	0.7		10.3	1.3
H4YZND	54.3	-1.5		40.0	-1.6		45.8	2.1		33.1	2.6		46.8	1.8	
		-9.4	0.0		-11.0	0.0		11.2	0.0		18.7	0.0		9.7	0.0
FHNX2J	63.4	-0.1	1.0	61.4	1.5	2.3	42.0	1.4	3.3	18.7	0.6	1.1	39.4	0.4	1.9
		-0.4	1.1		10.4	3.0		7.5	6.1		4.3	2.4		2.2	3.0
MH4PU2	74.0	1.6	1.7	60.7	1.4	2.3	38.0	0.6	1.1	20.7	0.9	1.0	39.3	0.4	0.7
		10.3	2.0		9.7	3.1		3.4	2.0		6.3	2.3		2.2	1.2
TYUGGX	72.3	1.3	1.0	59.7	1.2	1.7	40.3	1.1	1.3	23.0	1.2	2.4	41.7	0.9	0.7
		8.6	1.2		8.7	2.3		5.8	2.3		8.6	5.3		4.5	1.2
UEHDVX	61.7	-0.3	0.5	49.3	-0.2	0.4	29.3	-1.0	0.3	12.7	-0.2	0.3	34.7	-0.5	0.4
		-2.1	0.6		-1.7	0.6		-5.3	0.6		-1.7	0.6		-2.5	0.6
AMG7JH	72.7	1.4	1.3	56.2	0.7	1.1	34.0	-0.1	0.2	12.4	-0.3	0.2	37.1	0.0	0.4
		9.0	1.5		5.2	1.4		-0.6	0.4		-2.0	0.4		0.0	0.6



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
N8W8V4	59.3	-0.7	1.0	48.7	-0.3	0.9	27.4	-1.4	0.6	8.7	-0.8	0.5	33.3	-0.7	0.7
		-4.4	1.2		-2.3	1.2		-7.2	1.2		-5.7	1.2		-3.8	1.2
LDDTR6	64.7	0.1	1.0	51.5	0.1	0.7	33.1	-0.3	0.4	17.0	0.4	0.8	36.3	-0.2	0.4
		0.9	1.2		0.5	0.9		-1.5	0.8		2.6	1.7		-0.8	0.6
WEPC6W	62.5	-0.2	0.6	42.5	-1.2	0.5	28.0	-1.2	0.0	6.0	-1.2	0.0	26.0	-2.1	2.7
		-1.2	0.7		-8.5	0.7		-6.6	0.0		-8.4	0.0		-11.1	4.2
Grand Median		63.7			51.0			34.6			14.4			37.1	
Median Abs Dev		4.1			2.3			3.4			4.3			2.2	
Avg Within Lab SD		1.1			1.3			1.8			2.2			1.5	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Silt 50 - 2 um (SubTestCode 188)	in the Particle Size Analysis Property Groups														
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	29.6	0.3	0.5	38.3	0.2	0.4	55.4	0.7	1.0	49.2	-0.1	3.4	33.8	0.5	1.5
		1.6	0.7		1.5	0.7		5.6	1.9		-0.9	8.1		2.2	2.5
6VRW4Y	32.3	0.8	1.7	38.3	0.2	1.4	49.3	-0.1	0.3	54.3	0.7	1.0	30.3	-0.3	1.5
		4.3	2.5		1.5	2.3		-0.5	0.6		4.3	2.5		-1.2	2.5
WZDPZ9	28.0	0.0	1.4	37.0	0.0	0.6	48.7	-0.1	0.3	50.3	0.0	0.2	28.3	-0.7	0.3
		0.0	2.0		0.1	1.0		-1.2	0.6		0.3	0.6		-3.2	0.6
JXQR6N	28.5	0.1	1.5	36.5	0.0	0.8	49.9	0.0	2.1	51.2	0.2	0.4	29.2	-0.5	1.4
		0.5	2.2		-0.3	1.3		0.0	4.0		1.2	1.1		-2.3	2.4
MXYZLE	25.6	-0.5	0.5	31.4	-0.7	1.0	42.4	-0.9	0.4	43.6	-1.0	0.0	25.0	-1.4	0.7
		-2.4	0.7		-5.5	1.6		-7.5	0.7		-6.4	0.0		-6.5	1.2
324YCW	29.3	0.3	0.4	39.0	0.3	0.6	53.7	0.5	0.6	55.7	0.9	0.5	34.3	0.6	0.3
		1.3	0.6		2.1	1.0		3.8	1.2		5.6	1.2		2.8	0.6
TJJTCA	23.0	-1.0	1.4	33.0	-0.5		41.7	-1.0	2.2	50.0	0.0		29.3	-0.5	1.3
		-5.0	2.0		-3.9	0.0		-8.2	4.2		0.0	0.0		-2.2	2.3
C2ET8P	27.9	0.0	0.3	44.6	1.0	0.2	52.1	0.3	0.3	53.9	0.6	0.2	31.5	0.0	0.6
		-0.1	0.5		7.7	0.3		2.2	0.6		3.9	0.5		0.0	1.0
9KKUUL	22.0	-1.2		36.0	-0.1		50.0	0.0		50.0	0.0		32.0	0.1	
		-6.0	0.0		-0.9	0.0		0.1	0.0		0.0	0.0		0.5	0.0
24X99T	14.8	-2.6	0.0	16.4	-2.7	0.0	22.0	-3.4		37.2	-2.0	0.0	34.8	0.7	0.0
		-13.2	0.0		-20.5	0.0		-27.9	0.0		-12.8	0.0		3.3	0.0
B8MWKH	23.0	-1.0		18.0	-2.5		48.0	-0.2		50.0	0.0		32.0	0.1	
		-5.0	0.0		-18.9	0.0		-1.9	0.0		0.0	0.0		0.5	0.0
U2UBC6	28.0	0.0		40.0	0.4		48.0	-0.2		50.0	0.0		26.0	-1.2	
		0.0	0.0		3.2	0.0		-1.8	0.0		0.0	0.0		-5.5	0.0
UH277Z	28.3	0.1	0.8	33.0	-0.5		45.0	-0.6		49.0	-0.2		28.3	-0.7	0.7
		0.3	1.2		-3.9	0.0		-4.9	0.0		-1.0	0.0		-3.2	1.2
CY8KWJ	26.0	-0.4	0.5	38.8	0.3	0.5	55.2	0.6	0.8	61.3	1.7	0.4	37.3	1.2	0.5
		-2.0	0.8		1.9	0.8		5.3	1.6		11.3	1.0		5.8	0.9
H4YZND	40.6	2.5		45.0	1.1		45.1	-0.6		41.1	-1.4		29.8	-0.4	
		12.6	0.0		8.1	0.0		-4.8	0.0		-8.9	0.0		-1.7	0.0
FHNX2J	26.3	-0.3	0.9	24.2	-1.7	1.9	40.0	-1.2	2.2	46.4	-0.6	0.0	27.5	-0.9	0.7
		-1.7	1.3		-12.7	3.1		-9.9	4.2		-3.6	0.1		-4.0	1.2
MH4PU2	21.3	-1.3	2.8	26.7	-1.3	3.0	52.0	0.3	1.8	44.0	-0.9	2.2	26.0	-1.2	3.1
		-6.7	4.2		-10.2	5.0		2.1	3.5		-6.0	5.3		-5.5	5.3
TYUGGX	27.7	-0.1	0.8	34.3	-0.3	1.4	46.7	-0.4	1.2	47.7	-0.4	2.1	30.3	-0.3	0.7
		-0.3	1.2		-2.5	2.3		-3.2	2.3		-2.4	4.9		-1.2	1.2
UEHDVX	29.2	0.2	0.3	38.1	0.2	0.3	52.9	0.4	0.3	54.7	0.7	0.2	33.6	0.4	0.8
		1.2	0.4		1.2	0.6		3.0	0.6		4.7	0.6		2.0	1.4
AMG7JH	26.1	-0.4	1.0	34.2	-0.4	0.7	59.8	1.2	0.2	57.6	1.2	0.2	35.8	0.9	0.3
		-1.9	1.5		-2.7	1.2		9.9	0.4		7.6	0.4		4.3	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		
N8W8V4	36.0	1.6		39.3	0.3	0.7	61.3	1.4	0.6	57.9	1.2	0.0	38.7	1.5	0.7
		8.0	0.0		2.5	1.2		11.4	1.2		7.9	0.1		7.1	1.2
LDDTR6	28.9	0.2	1.2	36.9	0.0	1.4	53.7	0.5	1.1	52.4	0.4	0.6	32.8	0.3	1.1
		0.9	1.7		0.0	2.4		3.8	2.1		2.4	1.5		1.3	1.9
WEPC6W	32.0	0.8	1.0	43.0	0.8	0.8	59.5	1.2	0.4	59.5	1.5	0.3	37.5	1.3	0.4
		4.0	1.4		6.1	1.4		9.6	0.7		9.5	0.7		6.0	0.7
Grand Median		28.0			36.9			49.9			50.0			31.5	
Median Abs Dev		1.9			2.7			3.8			3.9			2.8	
Avg Within Lab SD		1.5			1.7			1.9			2.4			1.7	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	



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

Clay 2 - 0 um (SubTestCode 189)	in the Particle Size Analysis Property Groups														
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
PD3DTL	5.4	-0.3	0.6	9.6	-0.7	1.0	10.0	-0.4	1.4	29.6	-0.6	0.6	29.2	-0.5	0.5
		-1.7	0.7		-3.1	0.7		-3.3	1.3		-3.8	0.7		-2.6	0.7
6VRW4Y	8.0	0.2	0.9	13.0	0.1		16.0	0.3	1.1	31.0	-0.4	1.6	32.0	0.0	0.7
		0.9	1.0		0.3	0.0		2.7	1.0		-2.3	2.0		0.2	1.0
WZDPZ9	2.3	-0.9	0.5	10.0	-0.6	1.4	13.3	0.0	0.6	31.0	-0.4	0.8	30.0	-0.3	
		-4.8	0.6		-2.7	1.0		0.0	0.6		-2.3	1.0		-1.8	0.0
JXQR6N	7.7	0.1	1.0	13.7	0.2	1.6	16.4	0.4	2.2	34.4	0.2	1.6	32.4	0.1	1.4
		0.6	1.2		1.1	1.2		3.1	2.0		1.1	2.0		0.6	2.0
MXYZLE	17.1	1.9	1.1	8.7	-0.9	0.3	22.3	1.2	0.9	34.3	0.2	1.2	33.8	0.4	0.7
		9.9	1.2		-4.0	0.2		9.0	0.8		1.0	1.5		2.0	1.0
324YCW	8.0	0.2		12.0	-0.1	1.4	12.0	-0.2		30.0	-0.5		28.7	-0.6	0.4
		0.9	0.0		-0.7	1.0		-1.3	0.0		-3.3	0.0		-3.1	0.6
TJJTCA	6.0	-0.2	1.8	16.0	0.7		20.0	0.9		38.7	0.8	0.9	35.3	0.7	0.8
		-1.1	2.0		3.3	0.0		6.7	0.0		5.3	1.2		3.6	1.2
C2ET8P	7.3	0.0	0.1	14.9	0.5	0.4	17.2	0.5	0.2	36.1	0.4	0.7	33.2	0.3	0.1
		0.1	0.1		2.3	0.3		3.9	0.2		2.8	0.9		1.4	0.2
9KKUUL	7.0	0.0		13.0	0.1		9.0	-0.6		29.0	-0.7		17.0	-2.8	
		-0.1	0.0		0.3	0.0		-4.3	0.0		-4.3	0.0		-14.8	0.0
24X99T	27.6	4.0	0.0	37.2	5.2	0.0	49.6	4.6	0.0	51.6	2.8	0.0	31.6	0.0	0.0
		20.5	0.0		24.5	0.0		36.3	0.0		18.3	0.0		-0.2	0.0
B8MWKH	12.0	1.0		18.0	1.1		16.0	0.3		36.0	0.4		32.0	0.0	
		4.9	0.0		5.3	0.0		2.7	0.0		2.7	0.0		0.2	0.0
U2UBC6	10.0	0.6		12.0	-0.1		20.0	0.9		36.0	0.4		36.0	0.8	
		2.9	0.0		-0.7	0.0		6.7	0.0		2.7	0.0		4.2	0.0
UH277Z	9.7	0.5	1.0	15.0	0.5		23.0	1.2		38.3	0.8	0.9	35.7	0.7	0.8
		2.5	1.2		2.3	0.0		9.7	0.0		5.0	1.2		3.9	1.2
CY8KWJ	2.8	-0.8	0.9	8.1	-1.0	0.8	8.9	-0.6	0.3	11.0	-3.5	0.6	15.3	-3.2	1.4
		-4.3	1.0		-4.5	0.6		-4.5	0.3		-22.4	0.7		-16.5	2.0
H4YZND	5.1	-0.4		15.0	0.5		9.1	-0.5		25.8	-1.2		23.4	-1.6	
		-2.0	0.0		2.3	0.0		-4.2	0.0		-7.5	0.0		-8.4	0.0
FHNX2J	10.4	0.6	1.0	14.4	0.4	0.2	17.9	0.6	2.0	34.8	0.2	1.9	33.0	0.2	1.7
		3.2	1.1		1.7	0.2		4.6	1.9		1.5	2.3		1.3	2.3
MH4PU2	4.7	-0.5	2.1	12.7	0.0	3.1	10.0	-0.4	2.2	35.3	0.3	2.4	34.7	0.6	3.0
		-2.5	2.3		0.0	2.3		-3.3	2.0		2.0	3.1		2.9	4.2
TYUGGX				6.0	-1.4		13.0	0.0		29.3	-0.6	1.2	28.0	-0.7	
					-6.7	0.0		-0.3	0.0		-4.0	1.5		-3.8	0.0
UEHDVX	9.1	0.4	0.8	12.6	0.0	0.0	17.8	0.6	0.0	32.6	-0.1	0.0	31.8	0.0	0.6
		2.0	0.9		-0.1	0.0		4.5	0.0		-0.7	0.0		0.0	0.9
AMG7JH	1.2	-1.2	0.2	9.6	-0.7	0.3	6.2	-0.9	0.1	30.0	-0.5	0.1	27.1	-0.9	0.3
		-5.9	0.3		-3.1	0.2		-7.1	0.1		-3.4	0.1		-4.7	0.4



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
N8W8V4	4.7	-0.5	1.0	12.0	-0.1		11.3	-0.3	1.3	33.3	0.0	0.9	28.0	-0.7	
		-2.5	1.2		-0.7	0.0		-2.0	1.2		0.0	1.2		-3.8	0.0
LDDTR6	6.5	-0.1	2.4	11.7	-0.2	2.1	13.2	0.0	1.5	30.6	-0.4	0.8	30.9	-0.2	1.7
		-0.7	2.7		-1.0	1.5		-0.1	1.4		-2.7	1.0		-0.9	2.4
WEPC6W	5.5	-0.3	0.6	14.5	0.4	1.0	12.5	-0.1	0.8	34.5	0.2	0.6	32.0	0.0	1.0
		-1.6	0.7		1.8	0.7		-0.8	0.7		1.2	0.7		0.2	1.4
Grand Median		7.13			12.7			13.3			33.3			31.8	
Median Abs Dev		2.25			2.3			3.9			2.7			2.6	
Avg Within Lab SD		1.12			0.7			0.9			1.2			1.4	
Labs Included		22			23			23			23			23	
Labs Reporting		22			23			23			23			23	



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

Solvita CO2 Soil Respiration Test (SubTestCode 191) in the Other 2 Property Groups														Data units: mg/kg	
	SRSSRS1411			SRSSRS1412			SRSSRS1413			SRSSRS1414			SRSSRS1415		
9KKUUL	24.20	-0.09		9.32	-0.04		36.40	2.25		24.20	1.31		4.32	-1.30	
		-0.76	0.00		-0.08	0.00		14.79	0.00		7.03	0.00		-8.83	0.00
J997AC	25.20	0.03	0.00	7.80	-0.73	0.00	22.10	0.07	0.00	17.50	0.06		14.60	0.21	0.00
		0.24	0.00		-1.60	0.00		0.49	0.00		0.33	0.00		1.46	0.00
LZAKW9	38.12	1.60	2.10	9.48	0.04	2.22	19.28	-0.35	1.50	12.42	-0.89	1.38	10.84	-0.34	0.16
		13.16	4.43		0.08	2.39		-2.33	1.51		-4.75	2.64		-2.31	0.53
7MTEJU	24.73	-0.03	0.10	11.28	0.86	0.07	26.87	0.80	0.08	16.84	-0.06	0.05	17.51	0.64	0.02
		-0.24	0.21		1.88	0.08		5.26	0.08		-0.33	0.10		4.36	0.07
829WQN	31.22	0.76	0.77	9.90	0.23	0.26	21.12	-0.07	1.66	18.55	0.26	1.45	22.30	1.34	2.23
		6.26	1.63		0.50	0.28		-0.49	1.67		1.38	2.77		9.15	7.30
RUHB6W	12.24	-1.54		4.69	-2.15		18.41	-0.49		9.32	-1.47		11.69	-0.21	
		-12.72	0.00		-4.71	0.00		-3.20	0.00		-7.85	0.00		-1.46	0.00
Grand Median		25.0		9.40			21.6			17.2			13.1		
Median Abs Dev		3.5		1.05			2.8			3.1			3.3		
Avg Within Lab SD		2.1		1.08			1.0			1.9			3.3		
Labs Included		6		6			6			6			6		
Labs Reporting		6		6			6			6			6		



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

Illinois Lime Requirement (SubTestCode 193)	in the Other 2 Property Groups								Data units: ton/acre	
SRSSRS1411	SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415		SRSSRS1415	
RVVXMC	6.33	1.00 0.58	8.00	0.00	10.00	0.00	7.00	0.00	124.00	1.00 1.00
Grand Median	6.33		8.00		10.00		7.00		124.0	
Median Abs Dev										
Avg Within Lab SD	0.58		0.00		0.00		0.00			1.0
Labs Included	1		1		1		1			1
Labs Reporting	1		1		1		1			1



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

DTPA-sorbitol extractable S (SubTestCode 194)	in the Other 2 Property Groups								Data units: mg/kg	
	SRSSRS1411		SRSSRS1412		SRSSRS1413		SRSSRS1414		SRSSRS1415	
RVVXMC	58.33	1.38	4.33	1.18	81.00	1.33	6.00	0.00		
		2.08		0.58		1.00		1.00		1.00
2724TW	5.80	0.30	6.47	0.78	9.23	0.47	7.30	0.17	120.33	4.73
		0.46		0.38		0.35				
Grand Median		32.1		5.40		45.1		6.65		120.3
Median Abs Dev										
Avg Within Lab SD		1.5		0.49		0.7		0.17		4.7
Labs Included		2		2		2		2		1
Labs Reporting		2		2		2		2		1



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



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Sample Mean	Z Score	k Score	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
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	92.9	-0.8	0.1	93.3	-0.6	0.0	94.6	-0.4	0.1	
		-0.8	0.0		-0.3	0.0		-0.3	0.0	
RVVXMC	93.6	-0.1	0.0	93.6	-0.1	0.0	94.8	-0.2	0.0	
		-0.1	0.0		0.0	0.0		-0.1	0.0	
6VRW4Y	93.5	-0.2	0.1	93.6	-0.1	0.1	94.5	-0.5	0.8	
		-0.2	0.0		0.0	0.0		-0.4	0.1	
L2ZREK	92.2	-1.5	0.1	92.9	-1.2	0.2	94.0	-1.0	0.2	
		-1.5	0.0		-0.7	0.0		-0.9	0.0	
G38DZP	93.5	-0.2	0.2	93.6	0.0	0.3	94.7	-0.2	0.0	
		-0.2	0.1		0.0	0.1		-0.2	0.0	
26RTZY	92.3	-1.4	0.2	93.0	-1.2	0.2	94.0	-1.1	0.3	
		-1.4	0.0		-0.7	0.0		-1.0	0.0	
8A6P8V	93.7	0.0	0.0	93.6	-0.1	1.1	95.0	0.1	1.9	
		0.0	0.0		0.0	0.2		0.1	0.3	
U2UBC6	93.8	0.1	0.2	93.8	0.3	0.2	95.9	1.1	0.6	
		0.1	0.1		0.2	0.0		0.9	0.1	
3DGBJZ	94.8	1.1	0.5	94.5	1.4	0.5	95.9	1.2	1.0	
		1.1	0.1		0.8	0.1		1.0	0.1	
2PWFGW	94.3	0.6	0.2	93.9	0.5	3.1	94.9	0.0	0.7	
		0.6	0.1		0.3	0.6		0.0	0.1	
U6D7FX	94.3	0.6		94.5	1.5		95.3	0.4		
		0.6	0.0		0.9	0.0		0.4	0.0	
	94.3	0.6		94.5	1.5		95.3	0.4		
		0.6	0.0		0.9	0.0		0.4	0.0	
FVERDC	95.3	1.6	3.5	93.8	0.3	1.4	96.8	2.2	2.6	
		1.6	1.0		0.2	0.3		1.9	0.4	
Grand Median		93.7		93.6			94.9			
Median Abs Dev		0.6		0.3			0.4			
Avg Within Lab SD		0.3		0.2			0.1			
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 - N Cd Rd. (SubTestCode 202) Data units: mg/kg									
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
PD3DTL	46.3	0.1	0.2	24,008.7	1.6	0.4	64.7	0.1	0.4
		6.5	3.5		3,855.2	472.4		10.6	4.8
4FGU6Y	143.1	1.8	3.2	19,561.0	-0.2	0.1	556.6	4.1	0.5
		103.2	52.7		-592.5	82.1		502.5	6.8
6VRW4Y	15.7	-0.4	0.1	19,100.7	-0.4	0.6	35.0	-0.2	0.2
		-24.1	2.4		-1,052.8	673.2		-19.1	2.0
JXQR6N	33.3	-0.1	1.0	20,200.0	0.0	0.6	45.7	-0.1	0.8
		-6.5	17.4		46.5	624.5		-8.4	10.6
G38DZP	5.3	-0.6	0.0	23,616.0	1.4	3.2	37.0	-0.1	0.1
		-34.5	0.6		3,462.5	3,462.7		-17.1	1.0
2724TW	87.7	0.9	0.0	20,107.0	0.0	0.2	125.0	0.6	1.6
		47.8	0.6		-46.5	220.6		70.9	20.0
JWV7DH	54.5	0.3	0.7	19,703.7	-0.2	0.3	83.6	0.2	0.5
		14.6	11.6		-449.8	345.5		29.5	6.5
EPDALE	26.3	-0.2	0.2	19,533.3	-0.3	0.1	35.3	-0.2	0.5
		-13.5	3.1		-620.2	57.7		-18.8	6.0
LZAKW9	20.0	-0.4	0.1	22,106.7	0.8	0.2	24.3	-0.2	0.1
		-19.8	1.0		1,953.2	222.8		-29.8	1.2
J4HWZD	58.9	0.3	0.2	19,841.2	-0.1	0.4	62.5	0.1	0.3
		19.1	3.4		-312.3	418.6		8.4	3.8
3DGBJZ	179.0	2.5	0.5	25,220.0	2.1	0.3	285.0	1.9	2.8
		139.2	8.2		5,066.5	323.1		230.9	35.1
2PWFGW	15.1	-0.4	0.0	22,284.3	0.9	0.6	17.5	-0.3	0.2
		-24.7	0.6		2,130.8	646.2		-36.6	2.2
Grand Median		39.8		20,153.5			54.1		
Median Abs Dev		22.0		836.5			24.3		
Avg Within Lab SD		16.6		1,079.4			12.6		
Labs Included		12		12			12		
Labs Reporting		12		12			12		



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

NO3 - N ISE (SubTestCode 203) Data units: mg/kg									
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
RVVXMC	296.7	0.3	1.0	20,466.7	0.4	1.1	63.0	-0.8	
		22.0	7.6		392.4	152.8		-40.7	0.0
L2ZREK	333.7	0.8	0.2	20,281.9	0.2	0.4	103.7	0.0	0.2
		59.0	1.7		207.6	53.8		0.0	5.3
EQ8UCK	187.0	-1.2					185.0	1.6	0.5
		-87.7	0.0					81.3	11.1
C2ET8P	274.7	0.0	1.8	18,266.7	-1.9	1.4	111.7	0.2	0.2
		0.0	13.9		-1,807.6	208.2		8.0	3.8
LQ2XXG	192.3	-1.1	0.7	19,866.7	-0.2	0.8	62.3	-0.8	1.9
		-82.3	5.5		-207.6	115.5		-41.4	45.0
Grand Median		274.7		20,074.3			103.7		
Median Abs Dev		59.0		300.0			40.7		
Avg Within Lab SD		7.5		144.0			23.4		
Labs Included		5		4			5		
Labs Reporting		5		4			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							
	SRBSRB1407		SRBSRB1408		SRBSRB1409			
EQ8UCK			17,071.7	1.1				
				696.1				
8A6P8V	70.0		22,022.7	0.9	70.0			
		0.0		574.6		0.0		
Grand Median	70.0		19,547.2		70.0			
Median Abs Dev								
Avg Within Lab SD	0.0		638.2		0.0			
Labs Included	1		2		1			
Labs Reporting	1		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		

NH4-N (SubTestCode 205)							Data units: mg/kg
	SRBSRB1407		SRBSRB1408		SRBSRB1409		
G38DZP	25.0	0.4	140.0	1.4	32.3	1.4	
		1.0		8.0		2.1	
2PWFGW	409.0	1.4	217.6	0.3	56.0	0.3	
		3.7		1.9		0.5	
Grand Median	217.0		178.8		44.2		
Median Abs Dev							
Avg Within Lab SD	2.7		5.8		1.5		
Labs Included	2		2		2		
Labs Reporting	2		2		2		



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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									
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
RVVXMC	1,931.7	0.2	0.2	2,341.7	0.4	0.2	785.0	0.1	0.1
		68.1	11.5		151.3	16.1		15.0	5.0
4FGU6Y	1,868.7	0.0	0.1	2,216.3	0.1	0.1	807.3	0.2	0.0
		5.1	4.7		26.0	7.2		37.3	1.6
JXQR6N	1,830.0	-0.1	0.8	2,190.0	0.0	0.3	740.0	-0.1	0.7
		-33.6	43.6		-0.3	26.5		-30.0	26.9
G38DZP	2,395.3	1.7	0.7	2,994.0	2.0	0.9	1,142.3	1.6	0.8
		531.8	38.4		803.7	72.5		372.3	29.0
2724TW	2,081.0	0.7	0.3	2,137.3	-0.1	1.2	755.0	-0.1	0.1
		217.4	13.7		-53.0	96.5		-15.0	5.0
EQ8UCK	1,500.0	-1.1	1.9	1,700.0	-1.2	2.4	500.0	-1.2	2.7
		-363.6	100.0		-490.3	200.0		-270.0	100.0
JWV7DH	1,714.0	-0.5	0.6	2,190.7	0.0	1.1	752.3	-0.1	0.5
		-149.6	33.8		0.3	88.5		-17.7	17.0
C2ET8P	1,763.3	-0.3	0.7	2,183.3	0.0	0.6	746.7	-0.1	0.9
		-100.3	35.1		-7.0	50.3		-23.3	35.1
J4HWZD	1,858.5	0.0	0.7	2,105.0	-0.2	0.4	856.1	0.4	0.2
		-5.1	37.5		-85.3	31.0		86.1	6.4
3DGBJZ	2,556.7	2.2	1.9	3,225.0	2.6	0.3	1,458.0	3.0	0.7
		693.1	100.2		1,034.7	27.6		688.0	27.6
Grand Median	1,863.6			2,190.3			770.0		
Median Abs Dev	124.9			69.2			33.7		
Avg Within Lab SD	52.5			82.3			37.3		
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		

SO4 - S (SubTestCode 207)							Data units: mg/kg
	SRBSRB1407		SRBSRB1408		SRBSRB1409		
RVVXMC	160.0		1,150.0		210.0		
		0.0		1.6		0.0	
		0.1		43.6		0.1	
L2ZREK	594.9		1,137.0		508.1		
		1.1		0.1		0.1	
		1.4		1.9		1.2	
G38DZP	575.7		1,033.3		468.7		
		13.0		0.7		1.4	
				20.0		15.6	
Grand Median	575.7		1,137.0		468.7		
Median Abs Dev							
Avg Within Lab SD	9.2		27.7		11.1		
Labs Included	3		3		3		
Labs Reporting	3		3		3		



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

CI (SubTestCode 208)	Data units: Percent								
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
RVVXMC	0.51	1.79	0.00	2.71	-0.07	0.61	0.24	0.19	0.57
		0.13	0.00		-0.02	0.04		0.01	0.01
6VRW4Y	0.37	-0.13	0.28	2.91	0.55	0.23	0.18	-0.93	0.57
		-0.01	0.01		0.17	0.02		-0.05	0.01
JXQR6N	0.44	0.85	2.56	2.73	0.00	1.62	0.25	0.43	2.60
		0.06	0.05		0.00	0.11		0.02	0.03
G38DZP	0.45	0.94	0.28	3.21	1.51	1.37	0.32	1.73	0.98
		0.07	0.01		0.48	0.09		0.09	0.01
8A6P8V	0.38	0.00	0.74	2.65	-0.26	0.67	0.19	-0.62	0.57
		0.00	0.02		-0.08	0.04		-0.03	0.01
JWV7DH	0.34	-0.54	1.40	2.85	0.36	0.23	0.18	-0.86	0.00
		-0.04	0.03		0.11	0.02		-0.05	0.00
C2ET8P	0.36	-0.27	1.01	2.65	-0.28	0.77	0.23	0.00	1.50
		-0.02	0.02		-0.09	0.05		0.00	0.02
EPDALE	0.42	0.58	0.00	2.23	-1.60	0.00	0.23	0.06	0.00
		0.04	0.00		-0.50	0.00		0.00	0.00
LZAKW9	0.47	1.25	0.87	1.93	-2.55	2.11	0.25	0.43	0.17
		0.09	0.02		-0.80	0.14		0.02	0.00
2PWFGW	0.35	-0.39	0.07	2.81	0.24	0.57	0.17	-0.96	0.12
		-0.03	0.00		0.08	0.04		-0.05	0.00
LDDTR6	0.33	-0.68	0.17	2.73	0.00	0.44	0.16	-1.22	0.20
		-0.05	0.00		0.00	0.03		-0.07	0.00
Grand Median		0.38		2.73			0.23		
Median Abs Dev		0.04		0.09			0.03		
Avg Within Lab SD		0.02		0.07			0.01		
Labs Included		11		11			11		
Labs Reporting		11		11			11		



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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								
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
4FGU6Y	3.28	2.56	1.34	3.36	0.69	1.27	1.58	2.10	2.17
		0.57	0.05		0.44	0.10		0.55	0.08
JXQR6N	2.79	0.37	1.03	2.93	0.00	0.28	1.06	0.10	0.42
		0.08	0.04		0.00	0.02		0.03	0.02
26RTZY	2.60	-0.46	0.44	2.71	-0.35	0.15	0.58	-1.73	0.48
		-0.10	0.02		-0.22	0.01		-0.45	0.02
JWV7DH	2.70	0.00	1.41	3.97	1.65	0.41	1.03	-0.01	1.04
		0.00	0.06		1.05	0.03		0.00	0.04
U2UBC6	2.59	-0.51	0.26	2.46	-0.73	1.67	1.03	0.00	0.73
		-0.11	0.01		-0.46	0.13		0.00	0.03
3DGBJZ	2.69	-0.06	1.35	3.55	0.99	1.33	0.96	-0.28	0.16
		-0.01	0.05		0.63	0.10		-0.07	0.01
2PWFGW	2.87	0.76	0.19	2.73	-0.31	0.76	1.16	0.50	0.51
		0.17	0.01		-0.19	0.06		0.13	0.02
Grand Median		2.70		2.93			1.03		
Median Abs Dev		0.10		0.44			0.07		
Avg Within Lab SD		0.04		0.08			0.04		
Labs Included		7		7			7		
Labs Reporting		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		

N- Dry Comb. (SubTestCode 210)	Data units: Percent								
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
PD3DTL	3.04	1.04	0.05	4.49	0.97	0.31	1.20	0.23	0.10
		0.22	0.01		0.33	0.03		0.08	0.01
RVVXMC	2.85	0.11	0.03	4.31	0.43	0.05	1.05	-0.22	0.04
		0.02	0.00		0.15	0.01		-0.08	0.00
6VRW4Y	2.92	0.46	0.06	4.30	0.40	0.65	1.15	0.08	0.16
		0.10	0.01		0.14	0.07		0.03	0.02
L2ZREK	2.85	0.12	0.04	4.23	0.18	0.23	1.11	-0.05	0.09
		0.03	0.01		0.06	0.03		-0.02	0.01
G38DZP	2.83	0.00	0.08	4.07	-0.29	0.24	1.13	0.00	0.06
		0.00	0.02		-0.10	0.03		0.00	0.01
2724TW	2.58	-1.18	0.14	3.94	-0.66	1.06	1.20	0.23	0.59
		-0.25	0.03		-0.22	0.12		0.08	0.06
EQ8UCK	2.83	0.03	0.07	4.17	0.01	0.19	1.11	-0.04	0.10
		0.01	0.01		0.00	0.02		-0.01	0.01
8A6P8V	2.80	-0.13	0.00	4.10	-0.20	0.92	1.10	-0.07	0.00
		-0.03	0.00		-0.07	0.10		-0.03	0.00
C2ET8P	2.83	0.00	0.08	4.35	0.54	0.18	0.92	-0.58	0.53
		0.00	0.02		0.18	0.02		-0.20	0.05
EPDALE	2.87	0.21	0.19	4.14	-0.08	0.40	1.16	0.11	0.16
		0.04	0.04		-0.03	0.04		0.04	0.02
LZAKW9	2.77	-0.29	0.27	4.12	-0.14	0.16	1.07	-0.17	0.16
		-0.06	0.05		-0.05	0.02		-0.06	0.02
J4HWZD	2.77	-0.29	0.31	4.17	0.00	0.53	1.20	0.22	0.00
		-0.06	0.06		0.00	0.06		0.07	0.00
JV2KLC	2.70	-0.61	0.09	4.06	-0.32	0.18	1.05	-0.23	0.06
		-0.13	0.02		-0.11	0.02		-0.08	0.01
U2UBC6	2.88	0.24	0.17	4.37	0.60	0.00	1.17	0.14	0.16
		0.05	0.03		0.20	0.00		0.05	0.02
LQ2XXG	2.79	-0.19	0.16	4.12	-0.15	0.21	1.05	-0.22	0.49
		-0.04	0.03		-0.05	0.02		-0.08	0.05
JTEQYJ	3.44	2.94		2.50	-4.93		3.61	7.19	
		0.61	0.00		-1.67	0.00		2.48	0.00
P6MKV6	2.81	-0.08	0.05	4.18	0.04	0.16	1.11	-0.04	0.11
		-0.02	0.01		0.01	0.02		-0.02	0.01
K88ZXA	2.81	-0.09	0.04	4.21	0.12	0.11	1.16	0.11	0.25
		-0.02	0.01		0.04	0.01		0.04	0.02
7G8JHQ	2.76	-0.32	0.14	4.08	-0.26	0.27	1.07	-0.16	0.94
		-0.07	0.03		-0.09	0.03		-0.06	0.09
2PWFGW	2.90	0.36	0.04	4.51	1.01	0.20	1.13	0.00	0.08
		0.07	0.01		0.34	0.02		0.00	0.01



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
FVERDC	3.97	5.47 1.14	4.55 0.85	3.20	-2.86 -0.97	4.20 0.46	2.53	4.07 1.41	4.36 0.40
Grand Median		2.83			4.17			1.13	
Median Abs Dev		0.05			0.10			0.06	
Avg Within Lab SD		0.19			0.11			0.09	
Labs Included		21			21			21	
Labs Reporting		21			21			21	



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

P (SubTestCode 212)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	0.33	0.62	0.33	0.46	0.60	0.19	0.21	0.64	0.10	
		0.02	0.00		0.03	0.00		0.02	0.00	
RVVXMC	0.31	0.05	0.16	0.43	0.13	0.15	0.19	-0.10	0.11	
		0.00	0.00		0.01	0.00		0.00	0.00	
4FGU6Y	0.30	-0.04	0.52	0.40	-0.42	2.03	0.19	-0.39	1.11	
		0.00	0.01		-0.02	0.03		-0.01	0.02	
6VRW4Y	0.33	0.79	1.22	0.45	0.44	1.41	0.21	0.63	0.69	
		0.03	0.02		0.02	0.02		0.02	0.01	
TNT9JC	0.31	0.04	0.45	0.35	-1.46	0.00	0.18	-0.79	1.56	
		0.00	0.01		-0.08	0.00		-0.02	0.03	
JXQR6N	0.28	-0.91	0.52	0.40	-0.56	1.23	0.17	-0.97	0.33	
		-0.03	0.01		-0.03	0.02		-0.02	0.01	
G38DZP	0.32	0.46	0.78	0.42	-0.06	1.08	0.21	0.39	0.36	
		0.01	0.01		0.00	0.02		0.01	0.01	
2724TW	0.26	-1.43	0.00	0.37	-1.08	0.71	0.18	-0.79	0.36	
		-0.05	0.00		-0.06	0.01		-0.02	0.01	
EQ8UCK	0.32	0.35	0.78	0.46	0.72	0.74	0.21	0.56	0.06	
		0.01	0.01		0.04	0.01		0.01	0.00	
8A6P8V	0.30	-0.17	0.00	0.43	0.13	0.41	0.21	0.52	0.00	
		-0.01	0.00		0.01	0.01		0.01	0.00	
JWV7DH	0.32	0.35	0.45	0.43	0.13	0.41	0.20	0.26	0.36	
		0.01	0.01		0.01	0.01		0.01	0.01	
EPDALE	0.35	1.35	2.91	0.47	0.73	0.00	0.24	1.67	1.14	
		0.04	0.04		0.04	0.00		0.04	0.02	
LZAKW9	0.30	-0.28	0.45	0.41	-0.25	0.41	0.20	0.00	0.36	
		-0.01	0.01		-0.01	0.01		0.00	0.01	
J4HWZD	0.29	-0.38	1.96	0.43	0.06	2.45	0.19	-0.39	0.95	
		-0.01	0.03		0.00	0.03		-0.01	0.02	
JV2KLC	0.28	-0.66	0.12	0.40	-0.57	0.54	0.19	-0.31	0.13	
		-0.02	0.00		-0.03	0.01		-0.01	0.00	
U2UBC6	0.28	-0.80	0.00	0.39	-0.70	0.00	0.19	-0.26	0.00	
		-0.03	0.00		-0.04	0.00		-0.01	0.00	
LQ2XXG	0.29	-0.38	0.45	0.40	-0.44	0.41	0.20	0.00	0.36	
		-0.01	0.01		-0.02	0.01		0.00	0.01	
3DGBJZ	0.38	2.35	2.33	0.59	3.04	0.41	0.26	2.49	0.62	
		0.07	0.03		0.16	0.01		0.06	0.01	
K88ZXA	0.30	-0.30	0.54	0.42	-0.18	0.54	0.20	-0.03	0.28	
		-0.01	0.01		-0.01	0.01		0.00	0.00	
7G8JHQ	0.32	0.56	0.45	0.45	0.44	1.23	0.22	0.92	0.62	
		0.02	0.01		0.02	0.02		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
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
2PWFGW	0.34	0.97	0.15	0.45	0.49	0.57	0.22	0.84	0.15
		0.03	0.00		0.03	0.01		0.02	0.00
U6D7FX	0.32	0.40	0.98	0.49	1.21	0.43	0.20	0.31	0.31
		0.01	0.01		0.06	0.01		0.01	0.00
	0.28	-0.94	0.71	0.38	-0.94	1.79	0.18	-0.58	0.32
		-0.03	0.01		-0.05	0.03		-0.01	0.01
LDDTR6	0.29	-0.37	0.09	0.42	-0.13	0.78	0.15	-1.75	4.07
		-0.01	0.00		-0.01	0.01		-0.04	0.07
FVERDC	0.25	-1.64	1.19	0.38	-0.82	1.47	0.18	-0.52	0.95
		-0.05	0.02		-0.04	0.02		-0.01	0.02
RM2X2R	0.34	0.93	0.82	0.52	1.80	0.82	0.23	1.39	0.62
		0.03	0.01		0.09	0.01		0.04	0.01
Grand Median		0.31			0.43			0.20	
Median Abs Dev		0.02			0.03			0.01	
Avg Within Lab SD		0.01			0.01			0.02	
Labs Included		26			26			26	
Labs Reporting		26			26			26	



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

K (SubTestCode 213)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	1.9	1.9	0.1	12.6	1.2	0.2	1.0	0.7	0.1	
		0.2	0.0		1.9	0.1		0.1	0.0	
RVVXMC	1.7	-0.1	0.2	10.2	-0.3	0.2	0.9	-0.6	0.1	
		0.0	0.0		-0.5	0.0		-0.1	0.0	
4FGU6Y	1.7	0.1	0.6	10.1	-0.4	2.4	0.9	0.0	1.6	
		0.0	0.1		-0.6	0.8		0.0	0.1	
6VRW4Y	1.9	1.4	0.3	11.0	0.2	0.7	1.1	1.0	0.8	
		0.2	0.0		0.3	0.2		0.1	0.0	
TNT9JC	1.6	-0.5	0.5	7.5	-2.1	0.1	0.8	-0.9	2.7	
		-0.1	0.1		-3.3	0.0		-0.1	0.1	
JXQR6N	1.6	-0.4	0.9	9.6	-0.7	1.2	1.0	0.4	0.3	
		0.0	0.1		-1.1	0.4		0.0	0.0	
G38DZP	1.8	0.5	0.5	9.2	-1.0	0.7	1.5	3.8	1.2	
		0.1	0.0		-1.5	0.2		0.5	0.1	
2724TW	1.5	-1.1	0.5	10.1	-0.4	0.4	0.8	-0.7	0.3	
		-0.1	0.1		-0.6	0.1		-0.1	0.0	
EQ8UCK	1.8	0.9	0.2	10.7	0.0	0.5	1.3	2.4	0.7	
		0.1	0.0		0.0	0.2		0.3	0.0	
8A6P8V	1.7	0.0	0.1	10.3	-0.3	0.6	1.0	0.1	0.3	
		0.0	0.0		-0.5	0.2		0.0	0.0	
JWV7DH	1.7	0.1	0.1	10.8	0.0	0.5	0.9	-0.2	0.3	
		0.0	0.0		0.0	0.2		0.0	0.0	
EPDALE	2.0	2.3	1.6	12.1	0.8	0.7	1.1	1.3	3.0	
		0.3	0.2		1.3	0.2		0.2	0.1	
LZAKW9	1.8	1.2	0.3	11.1	0.2	0.5	1.0	0.8	0.3	
		0.2	0.0		0.4	0.2		0.1	0.0	
J4HWZD	1.6	-0.9	0.6	8.7	-1.3	1.1	0.9	-0.3	0.5	
		-0.1	0.1		-2.0	0.4		0.0	0.0	
JV2KLC	1.8	0.8	0.2	11.2	0.3	0.2	0.9	0.0	0.6	
		0.1	0.0		0.5	0.1		0.0	0.0	
U2UBC6	1.7	-0.2	0.1	11.1	0.3	0.8	0.9	-0.6	0.1	
		0.0	0.0		0.4	0.3		-0.1	0.0	
LQ2XXG	1.6	-0.5	0.1	9.6	-0.8	0.7	0.9	-0.5	0.5	
		-0.1	0.0		-1.2	0.2		-0.1	0.0	
3DGBJZ	1.7	0.0	0.3	10.8	0.1	0.2	0.9	-0.4	0.2	
		0.0	0.0		0.1	0.1		-0.1	0.0	
K88ZXA	1.6	-0.6	0.3	13.0	1.5	0.2	0.8	-1.1	0.3	
		-0.1	0.0		2.3	0.1		-0.1	0.0	
7G8JHQ	1.7	-0.2	0.2	10.2	-0.3	0.2	0.9	0.1	1.3	
		0.0	0.0		-0.5	0.1		0.0	0.1	



ALP Program - Participant Web Summary Report - Cycle 25

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
2PWFGW	1.9	1.5	0.1	10.9	0.1	0.8	1.0	0.4	0.1
		0.2	0.0		0.1	0.3		0.0	0.0
U6D7FX	1.8	0.8	0.6	12.1	0.9	0.2	0.9	0.0	0.5
		0.1	0.1		1.4	0.1		0.0	0.0
	1.7	-0.3	0.2	10.1	-0.4	2.0	0.9	0.0	0.3
		0.0	0.0		-0.7	0.7		0.0	0.0
LDDTR6	1.8	0.5	0.1	11.1	0.2	2.8	0.9	-0.3	0.1
		0.1	0.0		0.4	0.9		0.0	0.0
FVERDC	1.6	-0.7	2.0	6.3	-2.8	0.6	1.0	0.4	0.3
		-0.1	0.2		-4.4	0.2		0.0	0.0
RM2X2R	1.7	-0.2	4.0	12.3	1.0	0.7	1.0	0.5	0.9
		0.0	0.4		1.5	0.2		0.1	0.0
Grand Median		1.69			10.7			0.93	
Median Abs Dev		0.07			0.6			0.06	
Avg Within Lab SD		0.10			0.3			0.04	
Labs Included		26			26			26	
Labs Reporting		26			26			26	



ALP Program - Participant Web Summary Report - Cycle 25

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

Ca (SubTestCode 214)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	0.91	1.19	0.13	1.32	0.33	0.21	0.67	0.54	0.02	
		0.09	0.00		0.04	0.01		0.04	0.00	
RVVXMC	0.82	0.00	0.12	1.28	0.00	0.15	0.63	-0.10	0.12	
		0.00	0.00		0.00	0.01		-0.01	0.00	
4FGU6Y	0.89	0.92	2.67	1.28	0.02	1.82	0.67	0.53	0.71	
		0.07	0.08		0.00	0.10		0.04	0.02	
6VRW4Y	0.82	0.04	0.40	1.24	-0.30	0.79	0.61	-0.39	1.44	
		0.00	0.01		-0.04	0.04		-0.03	0.04	
TNT9JC	0.70	-1.46	0.19	0.87	-3.36	0.32	0.51	-1.88	2.21	
		-0.12	0.01		-0.41	0.02		-0.13	0.07	
JXQR6N	0.75	-0.87	0.67	1.19	-0.76	0.66	0.57	-0.99	0.20	
		-0.07	0.02		-0.09	0.04		-0.07	0.01	
G38DZP	0.86	0.48	0.39	1.25	-0.27	0.84	0.72	1.29	0.90	
		0.04	0.01		-0.03	0.05		0.09	0.03	
2724TW	0.72	-1.29	0.19	1.05	-1.86	0.47	0.59	-0.64	0.00	
		-0.10	0.01		-0.23	0.03		-0.04	0.00	
EQ8UCK	0.93	1.41	0.62	1.42	1.17	0.47	0.73	1.42	0.23	
		0.11	0.02		0.14	0.03		0.10	0.01	
8A6P8V	0.75	-0.83	0.19	1.20	-0.68	0.29	0.61	-0.30	0.20	
		-0.07	0.01		-0.08	0.02		-0.02	0.01	
JWV7DH	0.88	0.73	0.19	1.31	0.25	0.19	0.67	0.49	0.52	
		0.06	0.01		0.03	0.01		0.03	0.02	
EPDALE	0.93	1.43	2.61	1.34	0.45	0.40	0.74	1.61	3.32	
		0.11	0.08		0.06	0.02		0.11	0.10	
LZAKW9	0.88	0.77	1.21	1.28	0.03	0.60	0.68	0.74	0.20	
		0.06	0.04		0.00	0.03		0.05	0.01	
J4HWZD	0.86	0.56	2.18	1.28	0.03	0.78	0.67	0.54	1.18	
		0.04	0.07		0.00	0.04		0.04	0.03	
U2UBC6	0.79	-0.41	0.19	1.19	-0.74	0.00	0.61	-0.40	0.20	
		-0.03	0.01		-0.09	0.00		-0.03	0.01	
LQ2XXG	0.81	-0.16	0.39	1.20	-0.65	0.86	0.62	-0.15	0.52	
		-0.01	0.01		-0.08	0.05		-0.01	0.02	
3DGBJZ	0.79	-0.37	0.34	1.21	-0.55	0.11	0.61	-0.30	0.20	
		-0.03	0.01		-0.07	0.01		-0.02	0.01	
K88ZXA	0.79	-0.37	0.61	1.20	-0.66	0.05	0.63	-0.09	0.46	
		-0.03	0.02		-0.08	0.00		-0.01	0.01	
7G8JHQ	0.86	0.52	0.34	1.32	0.30	1.03	0.66	0.45	1.29	
		0.04	0.01		0.04	0.06		0.03	0.04	
2PWFGW	0.92	1.24	0.17	1.34	0.50	0.31	0.70	0.95	0.45	
		0.10	0.01		0.06	0.02		0.06	0.01	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
U6D7FX	0.81	-0.11	0.95	1.31	0.25	0.32	0.62	-0.17	0.42
		-0.01	0.03		0.03	0.02		-0.01	0.01
	0.82	-0.03	0.64	1.21	-0.57	1.66	0.63	0.00	0.37
		0.00	0.02		-0.07	0.09		0.00	0.01
LDDTR6	0.74	-0.95	0.17	1.15	-1.06	0.56	0.56	-1.08	0.50
		-0.08	0.01		-0.13	0.03		-0.07	0.01
FVERDC	0.87	0.69	1.02	1.31	0.22	3.55	0.74	1.53	0.71
		0.05	0.03		0.03	0.19		0.10	0.02
RM2X2R	0.81	-0.06	0.56	1.51	1.86	0.60	0.65	0.28	0.63
		-0.01	0.02		0.23	0.03		0.02	0.02
Grand Median		0.82			1.28			0.63	
Median Abs Dev		0.05			0.06			0.04	
Avg Within Lab SD		0.03			0.05			0.03	
Labs Included		25			25			25	
Labs Reporting		25			25			25	



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	0.39	1.17	1.17	0.62	0.26	0.57	0.14	0.54	0.07	
		0.04	0.02		0.02	0.01		0.01	0.00	
RVVXMC	0.35	0.12	0.04	0.60	-0.14	0.13	0.13	-0.23	0.26	
		0.00	0.00		-0.01	0.00		0.00	0.00	
4FGU6Y	0.38	0.96	1.43	0.64	0.44	2.00	0.15	1.12	1.69	
		0.03	0.02		0.03	0.04		0.02	0.01	
6VRW4Y	0.36	0.17	0.46	0.61	0.00	1.34	0.14	0.00	0.20	
		0.01	0.01		0.00	0.03		0.00	0.00	
TNT9JC	0.30	-1.29	0.44	0.41	-2.76	0.87	0.11	-1.60	1.28	
		-0.05	0.01		-0.20	0.02		-0.03	0.01	
JXQR6N	0.33	-0.55	1.31	0.56	-0.60	0.77	0.12	-0.98	0.00	
		-0.02	0.02		-0.04	0.02		-0.02	0.00	
G38DZP	0.39	1.20	1.16	0.62	0.25	0.58	0.18	2.56	0.74	
		0.04	0.02		0.02	0.01		0.04	0.01	
2724TW	0.34	-0.28	0.00	0.54	-0.88	0.58	0.13	-0.35	0.00	
		-0.01	0.00		-0.06	0.01		-0.01	0.00	
EQ8UCK	0.39	1.01	0.44	0.67	0.84	0.24	0.16	1.50	0.20	
		0.04	0.01		0.06	0.00		0.02	0.00	
8A6P8V	0.32	-0.92	0.44	0.55	-0.83	0.29	0.12	-0.77	0.74	
		-0.03	0.01		-0.06	0.01		-0.01	0.01	
JWV7DH	0.38	0.83	0.76	0.62	0.20	0.00	0.14	0.48	0.74	
		0.03	0.01		0.01	0.00		0.01	0.01	
EPDALE	0.41	1.59	2.73	0.62	0.26	0.57	0.16	1.67	2.45	
		0.06	0.04		0.02	0.01		0.03	0.02	
LZAKW9	0.39	1.11	0.76	0.61	0.01	0.29	0.14	0.06	0.74	
		0.04	0.01		0.00	0.01		0.00	0.01	
J4HWZD	0.37	0.55	2.00	0.62	0.16	2.77	0.13	-0.15	1.48	
		0.02	0.03		0.01	0.06		0.00	0.01	
U2UBC6	0.34	-0.18	0.44	0.65	0.67	0.58	0.14	0.06	0.74	
		-0.01	0.01		0.05	0.01		0.00	0.01	
LQ2XXG	0.34	-0.28	0.00	0.55	-0.83	0.58	0.13	-0.35	0.00	
		-0.01	0.00		-0.06	0.01		-0.01	0.00	
3DGBJZ	0.35	-0.09	0.44	0.58	-0.41	0.29	0.13	-0.35	0.00	
		0.00	0.01		-0.03	0.01		-0.01	0.00	
K88ZXA	0.35	-0.06	0.68	0.59	-0.26	0.18	0.13	-0.25	0.27	
		0.00	0.01		-0.02	0.00		0.00	0.00	
7G8JHQ	0.35	0.00	0.00	0.58	-0.36	0.87	0.14	0.27	1.28	
		0.00	0.00		-0.03	0.02		0.00	0.01	
2PWFGW	0.38	0.79	0.15	0.62	0.23	0.71	0.14	0.21	0.20	
		0.03	0.00		0.02	0.01		0.00	0.00	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
U6D7FX	0.35	0.00	1.06	0.62	0.19	0.28	0.13	-0.40	0.27
		0.00	0.01		0.01	0.01		-0.01	0.00
	0.31	-1.01	0.77	0.51	-1.35	2.01	0.12	-0.92	0.34
		-0.04	0.01		-0.10	0.04		-0.01	0.00
LDDTR6	0.35	-0.14	0.00	0.58	-0.37	0.82	0.12	-0.71	0.30
		-0.01	0.00		-0.03	0.02		-0.01	0.00
FVERDC	0.27	-2.13	1.58	0.41	-2.71	0.77	0.15	0.89	2.56
		-0.08	0.02		-0.19	0.02		0.01	0.02
RM2X2R	0.36	0.41	0.12	0.74	1.86	1.08	0.14	0.44	0.90
		0.01	0.00		0.13	0.02		0.01	0.01
Grand Median		0.35			0.61			0.14	
Median Abs Dev		0.02			0.03			0.01	
Avg Within Lab SD		0.01			0.02			0.01	
Labs Included		25			25			25	
Labs Reporting		25			25			25	



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

S (SubTestCode 216)	in the Wet Digestion Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	0.21	1.18	0.68	0.27	1.23	0.15	0.12	0.42	0.04	
		0.02	0.01		0.03	0.00		0.01	0.00	
RVVXMC	0.18	-0.37	0.06	0.22	-0.36	0.11	0.11	-0.65	0.05	
		-0.01	0.00		-0.01	0.00		-0.01	0.00	
4FGU6Y	0.21	1.27	2.64	0.25	0.52	2.71	0.13	0.84	2.07	
		0.02	0.03		0.01	0.03		0.01	0.03	
6VRW4Y	0.20	0.87	0.00	0.26	0.87	0.54	0.12	0.13	0.00	
		0.02	0.00		0.02	0.01		0.00	0.00	
TNT9JC	0.17	-0.98	0.61	0.18	-2.04	0.00	0.10	-1.24	0.82	
		-0.02	0.01		-0.05	0.00		-0.02	0.01	
JXQR6N	0.16	-1.53	0.61	0.21	-1.03	1.08	0.09	-1.93	0.00	
		-0.03	0.01		-0.03	0.01		-0.03	0.00	
G38DZP	0.18	-0.42	0.61	0.23	-0.27	0.54	0.12	0.13	0.00	
		-0.01	0.01		-0.01	0.01		0.00	0.00	
2724TW	0.17	-0.98	0.61	0.22	-0.65	0.54	0.11	-0.78	0.47	
		-0.02	0.01		-0.02	0.01		-0.01	0.01	
EQ8UCK	0.18	-0.17	0.40	0.23	-0.01	0.55	0.12	0.15	0.13	
		0.00	0.00		0.00	0.01		0.00	0.00	
8A6P8V	0.19	0.31	0.00	0.25	0.61		0.12	0.13	0.00	
		0.01	0.00		0.02	0.00		0.00	0.00	
JWV7DH	0.18	-0.06	0.61	0.23	-0.27	0.54	0.11	-0.56	0.82	
		0.00	0.01		-0.01	0.01		-0.01	0.01	
C2ET8P	0.18	-0.42	0.61	0.23	-0.15	0.93	0.10	-1.01	0.47	
		-0.01	0.01		0.00	0.01		-0.01	0.01	
EPDALE	0.19	0.42	2.38	0.25	0.46	0.40	0.12	0.10	0.87	
		0.01	0.02		0.01	0.00		0.00	0.01	
LZAKW9	0.19	0.13	0.61	0.23	-0.02	0.54	0.12	-0.10	0.47	
		0.00	0.01		0.00	0.01		0.00	0.01	
J4HWZD	0.22	1.79	2.19	0.28	1.63	2.85	0.15	2.19	0.82	
		0.03	0.02		0.04	0.03		0.03	0.01	
U2UBC6	0.17	-0.79	0.00	0.22	-0.52	0.00	0.11	-0.56	0.00	
		-0.01	0.00		-0.01	0.00		-0.01	0.00	
LQ2XXG	0.17	-0.79	0.00	0.21	-0.78	0.54	0.11	-0.56	0.00	
		-0.01	0.00		-0.02	0.01		-0.01	0.00	
3DGBJZ	0.19	0.50	0.61	0.27	1.37	0.00	0.13	0.82	0.00	
		0.01	0.01		0.04	0.00		0.01	0.00	
K88ZXA	0.19	0.13	1.22	0.24	0.28	0.42	0.11	-0.35	0.28	
		0.00	0.01		0.01	0.00		-0.01	0.00	
7G8JHQ	0.19	0.50	0.61	0.25	0.61	0.93	0.12	0.36	0.47	
		0.01	0.01		0.02	0.01		0.01	0.01	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
2PWFGW	0.20	1.03	0.15	0.26	0.82	0.28	0.12	0.33	0.13
		0.02	0.00		0.02	0.00		0.00	0.00
U6D7FX	0.18	-0.52	0.36	0.23	0.01	0.19	0.11	-0.74	0.17
		-0.01	0.00		0.00	0.00		-0.01	0.00
	0.17	-0.53	0.58	0.22	-0.61	1.32	0.11	-0.67	0.19
		-0.01	0.01		-0.02	0.01		-0.01	0.00
LDDTR6	0.19	0.06	0.16	0.24	0.20	0.80	0.09	-2.14	3.28
		0.00	0.00		0.01	0.01		-0.03	0.04
FVERDC	0.15	-1.71	1.61	0.23	-0.02	1.43	0.12	0.36	2.64
		-0.03	0.02		0.00	0.02		0.01	0.03
RM2X2R	0.19	0.07	0.24	0.29	2.18	0.84	0.12	0.29	0.41
		0.00	0.00		0.06	0.01		0.00	0.01
Grand Median		0.18			0.23			0.12	
Median Abs Dev		0.01			0.02			0.01	
Avg Within Lab SD		0.01			0.01			0.01	
Labs Included		26			26			26	
Labs Reporting		26			26			26	



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	0.00	-0.50	0.21	0.10	-0.02	0.00	0.01	-0.36	0.26	
		0.00	0.00		0.00	0.00		0.00	0.00	
RVVXMC	0.00	-0.63	0.20	0.10	-0.17	0.18	0.01	-0.43	0.48	
		0.00	0.00		0.00	0.00		0.00	0.00	
4FGU6Y	0.03	2.92	2.74	0.12	1.11	1.19	0.04	2.71	2.95	
		0.02	0.01		0.02	0.01		0.03	0.01	
TNT9JC	0.01	0.02	0.20	0.08	-1.29	0.38	0.01	-0.07	0.00	
		0.00	0.00		-0.02	0.00		0.00	0.00	
JXQR6N	0.01	0.86	1.97	0.10	0.18	1.05	0.01	0.33	2.79	
		0.01	0.01		0.00	0.01		0.00	0.01	
G38DZP	0.02	1.33	1.97	0.10	0.18	1.05	0.02	0.94	0.00	
		0.01	0.01		0.00	0.01		0.01	0.00	
2724TW	0.01	0.16	0.20	0.09	-0.55	0.83	0.01	0.03	0.48	
		0.00	0.00		-0.01	0.00		0.00	0.00	
EQ8UCK	0.03	2.80	2.51	0.15	2.54	0.79	0.06	4.49	1.53	
		0.02	0.01		0.05	0.00		0.05	0.00	
8A6P8V	0.01	-0.02	0.34	0.11	0.64	0.69	0.01	-0.04	0.28	
		0.00	0.00		0.01	0.00		0.00	0.00	
JWV7DH	0.01	0.40	0.00	0.10	0.00	0.00	0.01	0.03	0.00	
		0.00	0.00		0.00	0.00		0.00	0.00	
EPDALE	0.02	2.22	0.00	0.12	1.22	0.00	0.03	1.67	0.00	
		0.02	0.00		0.02	0.00		0.02	0.00	
LZAKW9	0.01	0.40	0.00	0.10	0.00	0.00	0.01	0.03	0.00	
		0.00	0.00		0.00	0.00		0.00	0.00	
J4HWZD	0.01	0.40	0.00	0.08	-1.29	2.78	0.01	0.03	0.00	
		0.00	0.00		-0.02	0.02		0.00	0.00	
U2UBC6	0.01	-0.24	0.07	0.10	-0.21	0.55	0.01	-0.13	0.07	
		0.00	0.00		0.00	0.00		0.00	0.00	
LQ2XXG	0.01	-0.16	0.00	0.09	-0.42	0.59	0.01	-0.10	0.28	
		0.00	0.00		-0.01	0.00		0.00	0.00	
3DGBJZ	0.01	0.40	0.00	0.10	-0.18	1.05	0.01	0.03	0.00	
		0.00	0.00		0.00	0.01		0.00	0.00	
K88ZXA	0.00	-0.41	0.05	0.14	2.47	0.81	0.01	-0.31	0.05	
		0.00	0.00		0.04	0.00		0.00	0.00	
2PWFGW	0.01	-0.10	0.11	0.10	0.08	0.90	0.01	-0.03	0.07	
		0.00	0.00		0.00	0.00		0.00	0.00	
U6D7FX	0.01	-0.24	0.09	0.10	0.11	0.18	0.01	-0.11	0.07	
		0.00	0.00		0.00	0.00		0.00	0.00	
	0.01	-0.25	0.03	0.08	-0.96	1.61	0.01	-0.08	0.05	
		0.00	0.00		-0.02	0.01		0.00	0.00	



ALP Program - Participant Web Summary Report - Cycle 25

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
LDDTR6				0.10	-0.18	0.38			
FVERDC	0.01	-0.16	0.34	0.11	0.55	1.82	0.04	2.89	1.55
RM2X2R	0.01	-0.21	0.03	0.12	1.14	0.59	0.01	-0.03	0.20
		0.00	0.00		0.02	0.00		0.00	0.00
Grand Median		0.007			0.10			0.010	
Median Abs Dev		0.003			0.01			0.001	
Avg Within Lab SD		0.003			0.01			0.002	
Labs Included		22			23			22	
Labs Reporting		22			23			22	



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

AI (SubTestCode 218)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	248.3	1.1	0.3	136.0	1.4	0.9	806.0	-0.2	0.1	
		50.0	2.9		59.5	7.0		-21.7	3.6	
JXQR6N	175.0	-0.5	0.7	112.0	0.8	1.2	723.7	-0.9	0.4	
		-23.3	6.0		35.5	9.5		-104.0	10.0	
G38DZP	143.3	-1.3	0.7	50.3	-0.6	0.1	794.7	-0.3	0.1	
		-55.0	6.1		-26.2	0.6		-33.0	2.5	
8A6P8V	187.3	-0.3	0.6	50.3	-0.6	0.3	827.7	0.0	0.5	
		-11.0	5.5		-26.2	2.5		0.0	11.9	
EPDALE	182.0	-0.4	1.4	48.5	-0.6	0.1	1,050.5	2.0	2.7	
		-16.3	12.7		-28.0	0.6		222.8	70.0	
LZAKW9	198.3	0.0	2.2	53.0	-0.5	0.9	907.0	0.7	0.7	
		0.0	19.4		-23.5	7.0		79.3	18.2	
U2UBC6	227.2	0.7	1.8	73.2	-0.1	1.0	781.9	-0.4	0.3	
		28.9	16.3		-3.3	8.1		-45.8	7.3	
3DGBJZ	267.0	1.6	0.9	90.4	0.3	2.7	1,003.2	1.5	0.8	
		68.6	8.3		13.9	21.5		175.5	21.4	
K88ZXA	215.9	0.4	0.5	118.2	0.9	0.3	854.5	0.2	0.9	
		17.5	4.0		41.7	2.3		26.9	22.5	
2PWFGW	274.2	1.7	0.7	194.6	2.7	1.4	940.6	1.0	0.5	
		75.9	6.2		118.1	11.0		113.0	14.2	
U6D7FX	231.7	0.8	1.1	115.3	0.9	0.5	859.0	0.3	0.8	
		33.3	9.6		38.8	4.0		31.3	21.5	
	171.0	-0.6	0.2	65.5	-0.2	0.5	736.3	-0.8	0.5	
		-27.3	1.7		-11.0	4.4		-91.3	12.1	
LDDTR6	200.3	0.0	0.3	84.7	0.2	0.6	800.7	-0.2	0.5	
		2.0	2.5		8.2	4.6		-27.0	14.0	
FVERDC	176.0	-0.5	0.6	64.9	-0.3	0.6	792.3	-0.3	0.4	
		-22.3	5.6		-11.6	4.8		-35.3	11.0	
RM2X2R	186.3	-0.3	0.3	76.5	0.0	0.8	966.3	1.2	1.9	
		-12.0	2.5		0.0	6.5		138.7	49.0	
Grand Median		198.3		76.5			827.7			
Median Abs Dev		23.3		26.2			45.8			
Avg Within Lab SD		8.9		8.1			25.9			
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		

B (SubTestCode 219)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	14.9	0.4	0.4	27.0	0.0	0.2	13.1	-0.2	0.1	
		1.3	0.5		0.0	0.3		-0.3	0.1	
4FGU6Y	11.9	-0.6	1.2	23.5	-1.2	2.1	9.7	-2.2	2.6	
		-1.8	1.5		-3.6	2.5		-3.8	2.2	
6VRW4Y	13.5	0.0	0.2	27.2	0.1	0.3	12.6	-0.5	0.3	
		-0.1	0.2		0.2	0.4		-0.8	0.3	
TNT9JC	15.8	0.7	0.3	17.8	-3.1	0.4	15.2	1.0	2.0	
		2.2	0.4		-9.3	0.5		1.7	1.7	
JXQR6N	15.1	0.5	0.1	27.1	0.0	0.6	13.5	0.0	0.8	
		1.5	0.2		0.0	0.7		0.0	0.7	
G38DZP	16.7	1.0	1.2	28.3	0.4	1.3	16.0	1.5		
		3.0	1.5		1.3	1.5		2.5	0.0	
2724TW	12.9	-0.2	0.1	24.4	-0.9	1.2	13.0	-0.3		
		-0.8	0.2		-2.6	1.5		-0.5	0.0	
EQ8UCK	28.1	4.5	3.8	30.0	1.0	0.7	14.3	0.5	0.4	
		14.4	4.9		3.0	0.9		0.8	0.4	
8A6P8V	12.3	-0.4	0.5	26.0	-0.4		13.0	-0.3		
		-1.3	0.6		-1.0	0.0		-0.5	0.0	
JWV7DH	15.8	0.7	1.1	28.5	0.5	1.1	14.5	0.6	1.1	
		2.1	1.4		1.4	1.3		1.0	1.0	
EPDALE	12.0	-0.5	1.5	22.3	-1.6	0.5	11.9	-1.0	1.1	
		-1.7	1.9		-4.7	0.6		-1.6	0.9	
LZAKW9	13.3	-0.1	0.5	26.7	-0.1	0.5	12.7	-0.5	0.7	
		-0.3	0.6		-0.4	0.6		-0.8	0.6	
J4HWZD	13.8	0.0	0.1	25.5	-0.5	1.2	13.6	0.1	0.8	
		0.1	0.2		-1.5	1.5		0.1	0.7	
U2UBC6	13.3	-0.1	0.2	24.9	-0.7	0.1	12.8	-0.4	0.2	
		-0.4	0.2		-2.2	0.1		-0.7	0.2	
3DGBJZ	23.0	2.9		29.0	0.7		17.7	2.5	0.7	
		9.4	0.0		2.0	0.0		4.2	0.6	
K88ZXA	12.5	-0.4	0.4	26.0	-0.3	0.9	12.7	-0.4	0.4	
		-1.1	0.5		-1.0	1.0		-0.7	0.3	
7G8JHQ	13.6	0.0	0.7	27.9	0.3	0.3	13.9	0.3	2.1	
		0.0	0.9		0.9	0.4		0.5	1.8	
2PWFGW	15.6	0.6	0.2	30.0	1.0	0.7	14.7	0.7	0.5	
		2.0	0.2		2.9	0.9		1.3	0.4	
U6D7FX	13.5	0.0	0.3	28.1	0.4	0.6	12.9	-0.3	0.5	
		-0.1	0.4		1.1	0.7		-0.5	0.4	
		0.7	0.4		0.0	1.3		0.9	0.4	
	15.8	2.1	0.5	27.2	0.1	1.6	15.1	1.6	0.4	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
LDDTR6	13.3	-0.1	0.3	27.0	0.0	1.0	12.8	-0.4	0.2
		-0.3	0.4		-0.1	1.1		-0.7	0.2
FVERDC	11.0	-0.8	0.4	33.7	2.2	2.6	13.9	0.3	1.2
		-2.6	0.5		6.6	3.1		0.5	1.1
RM2X2R	14.2	0.2	0.3	26.8	-0.1	0.0	14.6	0.7	0.6
		0.6	0.3		-0.2	0.1		1.2	0.5
Grand Median		13.6		27.0			13.5		
Median Abs Dev		1.3		1.3			0.8		
Avg Within Lab SD		1.3		1.2			0.8		
Labs Included		23		23			23		
Labs Reporting		23		23			23		



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

Zn (SubTestCode 220) Data units: mg/kg									
	SRBSRB1407			SRBSRB1408			SRBSRB1409		
PD3DTL	22.2	0.2	0.0	49.1	0.7	0.2	56.8	0.7	0.1
		1.8	0.2		3.8	0.5		4.6	0.3
RVVXMC	20.5	0.0	0.0	47.5	0.4	0.3	51.6	-0.1	0.1
		0.1	0.5		2.1	0.7		-0.6	0.4
4FGU6Y	21.7	0.2	0.0	45.4	0.0	3.4	50.8	-0.2	1.5
		1.3	0.3		0.0	7.0		-1.4	6.1
6VRW4Y	22.3	0.3	0.0	46.6	0.2	0.3	54.0	0.3	0.4
		1.9	0.6		1.2	0.7		1.8	1.7
TNT9JC	16.8	-0.5	0.0	28.6	-3.2	0.0	36.4	-2.3	1.1
		-3.6	0.5		-16.8	0.1		-15.8	4.6
JXQR6N	18.7	-0.2	0.1	51.1	1.1	1.5	51.1	-0.2	0.4
		-1.7	2.5		5.8	3.1		-1.1	1.5
G38DZP	24.7	0.6	0.1	47.3	0.4	0.7	60.7	1.2	0.1
		4.3	1.5		2.0	1.5		8.5	0.6
2724TW	19.2	-0.2	0.0	40.9	-0.8	1.1	47.9	-0.6	0.2
		-1.2	0.2		-4.5	2.3		-4.3	0.8
EQ8UCK	26.4	0.8	0.1	48.4	0.6	0.6	55.3	0.5	0.3
		6.0	3.4		3.0	1.2		3.1	1.3
8A6P8V	20.0	-0.1		46.3	0.2	0.3	56.3	0.6	0.1
		-0.4	0.0		1.0	0.6		4.1	0.6
JWV7DH	21.8	0.2	0.0	45.7	0.1	0.4	47.1	-0.7	0.1
		1.4	1.1		0.3	0.9		-5.1	0.2
EPDALE	19.2	-0.2	0.1	44.7	-0.1	0.6	58.6	0.9	1.2
		-1.2	2.4		-0.7	1.3		6.4	4.9
LZAKW9	20.7	0.0	0.1	43.3	-0.4	0.7	54.3	0.3	0.4
		0.3	2.1		-2.0	1.5		2.1	1.5
J4HWZD	92.7	9.7	5.0	48.7	0.6	1.0	61.2	1.3	0.7
		72.3	124.9		3.3	2.0		9.0	3.0
U2UBC6	20.4	0.0	0.0	43.5	-0.3	0.1	52.2	0.0	0.1
		0.0	0.5		-1.8	0.2		0.0	0.6
LQ2XXG	20.3	0.0	0.0	42.7	-0.5	0.3	52.7	0.1	0.1
		-0.1	0.6		-2.7	0.6		0.5	0.6
3DGBJZ	21.7	0.2	0.1	40.3	-0.9	1.1	51.0	-0.2	0.5
		1.3	2.3		-5.0	2.3		-1.2	2.0
K88ZXA	19.5	-0.1	0.0	46.6	0.2	0.3	53.7	0.2	0.3
		-0.9	0.6		1.2	0.7		1.5	1.3
7G8JHQ	23.2	0.4	0.0	49.5	0.8	1.3	60.0	1.1	0.8
		2.8	1.2		4.2	2.7		7.8	3.4
2PWFGW	21.8	0.2	0.0	47.6	0.4	0.5	56.8	0.7	0.2
		1.4	0.1		2.2	1.0		4.6	0.7



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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		
U6D7FX	19.0	-0.2	0.0	44.1	-0.2	0.4	49.0	-0.5	0.2
		-1.4	0.7		-1.2	0.8		-3.2	0.7
	16.0	-0.6	0.0	37.6	-1.5	1.3	51.7	-0.1	0.6
		-4.4	0.5		-7.8	2.6		-0.5	2.3
LDDTR6	18.7	-0.2	0.0	42.6	-0.5	0.7	39.9	-1.8	4.1
		-1.7	0.2		-2.8	1.5		-12.3	16.8
FVERDC	7.6	-1.7	0.0	34.1	-2.1	1.0	35.6	-2.4	0.6
		-12.8	0.5		-11.3	2.0		-16.6	2.5
RM2X2R	19.1	-0.2	0.0	42.8	-0.5	0.3	51.9	0.0	0.2
		-1.3	0.3		-2.6	0.5		-0.3	0.7
Grand Median		20.4			45.4			52.2	
Median Abs Dev		1.4			2.6			3.2	
Avg Within Lab SD		25.0			2.1			4.1	
Labs Included		25			25			25	
Labs Reporting		25			25			25	



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

Mn (SubTestCode 221)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	53.9	0.3	0.0	79.6	0.7	0.5	59.7	0.6	0.1	
		3.4	1.4		4.6	1.2		3.6	0.4	
RVVXMC	49.7	-0.1	0.0	77.8	0.4	0.1	55.9	0.0	0.1	
		-0.7	0.2		2.8	0.2		-0.2	0.2	
4FGU6Y	51.7	0.1	0.1	77.4	0.4	2.5	58.8	0.5	2.3	
		1.2	2.7		2.4	6.2		2.7	6.2	
6VRW4Y	48.0	-0.2	0.0	72.7	-0.4	1.2	50.4	-1.0	0.5	
		-2.5	1.0		-2.3	3.1		-5.7	1.5	
TNT9JC	45.8	-0.4	0.0	56.8	-2.8	0.7	49.4	-1.2	2.3	
		-4.7	0.6		-18.2	1.6		-6.7	6.3	
JXQR6N	47.7	-0.2	0.0	72.0	-0.5	1.3	53.8	-0.4	0.6	
		-2.8	2.1		-3.0	3.3		-2.3	1.6	
G38DZP	56.0	0.5	0.0	78.3	0.5	0.8	64.0	1.4	0.4	
		5.5	1.0		3.3	2.1		7.9	1.0	
2724TW	43.2	-0.6	0.0	64.4	-1.6	1.2	49.8	-1.1	0.3	
		-7.3	1.2		-10.6	3.0		-6.3	0.9	
EQ8UCK	55.1	0.4	0.2	73.5	-0.2	1.2	50.0	-1.1	1.1	
		4.7	8.0		-1.5	3.1		-6.1	2.9	
8A6P8V	45.0	-0.5		72.3	-0.4	0.2	54.0	-0.4	0.4	
		-5.5	0.0		-2.7	0.6		-2.1	1.0	
JWV7DH	52.7	0.2	0.0	79.0	0.6	0.6	59.9	0.7	0.3	
		2.2	0.9		4.0	1.6		3.8	0.9	
EPDALE	52.1	0.1	0.1	75.0	0.0	2.0	63.6	1.3	2.4	
		1.6	3.7		0.0	4.9		7.5	6.8	
LZAKW9	53.7	0.3	0.1	75.3	0.1	1.0	60.0	0.7	1.2	
		3.2	4.7		0.3	2.5		3.9	3.5	
J4HWZD	53.5	0.3	0.1	76.8	0.3	0.2	61.7	1.0	1.1	
		3.1	3.6		1.8	0.4		5.6	3.2	
U2UBC6	47.9	-0.2	0.0	67.9	-1.1	0.4	54.4	-0.3	0.1	
		-2.6	0.6		-7.1	1.0		-1.7	0.3	
LQ2XXG	48.7	-0.1	0.0	71.3	-0.6	0.2	56.7	0.1	0.2	
		-1.8	0.6		-3.7	0.6		0.6	0.6	
3DGBJZ	180.0	10.8	5.0	71.7	-0.5	0.2	53.3	-0.5	0.4	
		129.5	230.4		-3.3	0.6		-2.8	1.2	
K88ZXA	48.5	-0.2	0.0	74.1	-0.1	0.2	56.0	0.0	0.3	
		-1.9	1.4		-0.9	0.4		-0.1	0.9	
7G8JHQ	50.5	0.0	0.0	78.8	0.6	0.9	58.7	0.5	1.0	
		0.0	1.9		3.8	2.2		2.6	2.7	
2PWFGW	54.9	0.4	0.0	81.9	1.1	0.8	62.1	1.1	0.2	
		4.4	0.1		6.9	2.1		6.0	0.6	



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	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD		
U6D7FX	48.3	-0.2	0.0	76.9	0.3	0.1	54.2	-0.3	0.2
		-2.2	1.8		1.9	0.2		-1.9	0.6
	48.0	-0.2	0.0	69.2	-0.9	1.1	56.1	0.0	0.4
		-2.5	1.7		-5.8	2.9		0.0	1.1
LDDTR6	46.8	-0.3	0.0	72.5	-0.4	0.3	53.4	-0.5	0.3
		-3.6	0.1		-2.5	0.9		-2.7	1.0
FVERDC	56.0	0.5	0.0	80.3	0.8	1.6	65.9	1.7	1.4
		5.5	2.0		5.3	4.1		9.8	3.8
RM2X2R	50.7	0.0	0.0	86.5	1.8	0.6	58.5	0.4	0.4
		0.3	0.6		11.5	1.6		2.4	1.1
Grand Median		50.5		75.0			56.1		
Median Abs Dev		2.8		3.3			2.8		
Avg Within Lab SD		46.1		2.5			2.8		
Labs Included		25		25			25		
Labs Reporting		25		25			25		



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

Fe (SubTestCode 222)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	257.4	0.7	0.4	177.1	0.2	0.1	128.5	0.3	0.4	
		13.1	3.9		6.6	0.8		4.7	3.3	
RVVXMC	258.7	0.7	0.4	237.0	1.8	0.6	124.3	0.0	0.1	
		14.3	4.9		66.5	8.2		0.5	1.2	
4FGU6Y	243.1	-0.1	1.1	176.6	0.2	1.3	83.3	-3.0	2.4	
		-1.2	12.3		6.1	17.5		-40.5	18.8	
6VRW4Y	247.3	0.2	0.4	170.5	0.0	0.6	124.7	0.1	0.3	
		3.0	4.2		0.0	7.5		0.9	2.5	
TNT9JC	233.9	-0.5	3.8	130.2	-1.1	0.5	82.7	-3.0	2.0	
		-10.4	42.3		-40.3	6.1		-41.1	15.6	
JXQR6N	245.8	0.1	1.0	165.3	-0.1	0.6	108.7	-1.1	1.8	
		1.5	11.5		-5.2	8.0		-15.1	13.8	
G38DZP	177.3	-3.4	0.2	115.7	-1.5	0.3	106.3	-1.3	0.5	
		-67.0	2.1		-54.8	4.0		-17.5	4.2	
2724TW	220.0	-1.2	0.6	167.3	-0.1	0.5	115.7	-0.6	0.8	
		-24.3	7.0		-3.2	6.7		-8.1	6.0	
EQ8UCK	258.7	0.7	1.1	157.3	-0.4	1.0	124.0	0.0	0.2	
		14.3	11.8		-13.2	14.0		0.2	1.7	
8A6P8V	230.3	-0.7	0.5	139.7	-0.8	0.0	122.3	-0.1	0.1	
		-14.0	5.7		-30.8	0.6		-1.5	0.6	
JWV7DH	260.7	0.8	0.4	205.0	0.9	1.1	131.3	0.6	0.2	
		16.3	4.0		34.5	15.0		7.5	1.5	
EPDALE	242.5	-0.1	0.1	193.0	0.6		137.5	1.0	2.8	
		-1.8	0.7		22.5	0.0		13.7	21.9	
LZAKW9	208.3	-1.8	0.1	88.3	-2.2	0.1	117.3	-0.5	0.1	
		-36.0	1.5		-82.2	1.5		-6.5	1.2	
J4HWZD	256.0	0.6	0.5	141.7	-0.8	0.2	119.8	-0.3	0.4	
		11.7	5.3		-28.8	3.0		-4.0	3.1	
U2UBC6	245.0	0.0	0.6	179.7	0.3	0.9	123.8	0.0	0.4	
		0.7	6.6		9.2	12.0		0.0	2.7	
LQ2XXG	248.0	0.2	0.5	178.3	0.2	2.2	124.7	0.1	0.5	
		3.7	5.6		7.8	29.7		0.9	4.2	
3DGBJZ	234.3	-0.5	0.5	177.7	0.2	1.9	116.7	-0.5	0.4	
		-10.0	5.0		7.2	25.3		-7.1	3.1	
K88ZXA	237.7	-0.3	0.4	186.1	0.4	0.3	124.1	0.0	0.1	
		-6.6	4.6		15.6	4.4		0.3	1.2	
7G8JHQ	258.3	0.7	0.7	180.7	0.3	2.0	131.7	0.6	1.1	
		14.0	8.1		10.2	27.1		7.9	8.6	
2PWFGW	288.7	2.2	0.1	241.2	1.9	1.2	142.2	1.3	0.2	
		44.4	1.5		70.7	16.2		18.4	1.4	



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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		
U6D7FX	250.7	0.3	0.9	191.3	0.6	0.8	122.7	-0.1	0.3
		6.3	10.0		20.8	10.7		-1.1	2.5
	237.7	-0.3	1.5	149.0	-0.6	1.1	118.7	-0.4	0.5
		-6.7	16.6		-21.5	14.5		-5.1	4.0
LDDTR6	236.0	-0.4	0.2	164.7	-0.2	1.2	115.3	-0.6	0.3
		-8.3	2.0		-5.8	16.3		-8.5	2.5
FVERDC	241.3	-0.2	0.7	115.3	-1.5	0.3	134.3	0.8	0.5
		-3.0	7.5		-55.2	4.7		10.5	4.0
RM2X2R	244.3	0.0	0.3	167.3	-0.1	1.2	133.0	0.7	0.3
		0.0	3.2		-3.2	15.6		9.2	2.0
Grand Median		244.3		170.5			123.8		
Median Abs Dev		10.0		15.6			7.1		
Avg Within Lab SD		11.0		13.5			7.8		
Labs Included		25		25			25		
Labs Reporting		25		25			25		



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

Cu (SubTestCode 223)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
PD3DTL	11.63	0.32	1.01	8.67	0.35	0.06	22.65	0.41	0.06	
		0.47	0.82		0.57	0.04		1.32	0.07	
RVVXMC	11.47	0.21	0.50	8.10	0.00	1.30	21.47	0.04	0.36	
		0.30	0.40		0.00	0.82		0.13	0.40	
4FGU6Y	11.71	0.37	0.35	8.59	0.30	0.35	22.47	0.35	0.47	
		0.54	0.28		0.49	0.22		1.13	0.52	
6VRW4Y	12.37	0.83	0.26	9.53	0.87	0.60	23.30	0.61	0.85	
		1.20	0.21		1.43	0.38		1.97	0.95	
TNT9JC	14.77	2.48	0.26	9.42	0.80	0.33	24.43	0.96	2.19	
		3.60	0.21		1.32	0.21		3.10	2.46	
JXQR6N	10.73	-0.30	1.25	7.80	-0.18	0.62	18.19	-0.97	0.43	
		-0.43	1.01		-0.30	0.39		-3.14	0.49	
G38DZP	11.67	0.34	1.89	9.00	0.55		21.33	0.00	1.03	
		0.50	1.53		0.90	0.00		0.00	1.15	
2724TW	11.57	0.28	0.19	6.40	-1.04	0.16	26.10	1.48	0.47	
		0.40	0.15		-1.70	0.10		4.77	0.53	
EQ8UCK	11.63	0.32	1.32	7.40	-0.43	0.56	20.87	-0.14	0.22	
		0.47	1.07		-0.70	0.35		-0.47	0.25	
8A6P8V	10.00	-0.80		7.33	-0.47	0.92	21.00	-0.10		
		-1.17	0.00		-0.77	0.58		-0.33	0.00	
JWV7DH	11.17	0.00	0.26	9.84	1.06	0.45	18.31	-0.94	0.41	
		0.00	0.21		1.74	0.28		-3.02	0.46	
EPDALE	7.38	-2.61	2.31	4.37	-2.28	1.11	4.37	-5.26	0.62	
		-3.79	1.87		-3.74	0.70		-16.97	0.70	
LZAKW9	11.67	0.34	0.72	8.33	0.14	0.92	23.33	0.62	0.51	
		0.50	0.58		0.23	0.58		2.00	0.58	
J4HWZD	14.03	1.97	1.78	12.70	2.81	2.00	28.87	2.34	0.91	
		2.87	1.44		4.60	1.25		7.53	1.03	
U2UBC6	10.60	-0.39	0.00	7.47	-0.39	0.37	21.13	-0.06	0.27	
		-0.57	0.00		-0.63	0.23		-0.20	0.31	
LQ2XXG	10.67	-0.34	0.72	8.00	-0.06		21.00	-0.10		
		-0.50	0.58		-0.10	0.00		-0.33	0.00	
3DGBJZ	11.00	-0.11	2.15	11.00	1.77	3.18	21.33	0.00	2.57	
		-0.17	1.73		2.90	2.00		0.00	2.89	
K88ZXA	10.68	-0.33	0.43	8.29	0.12	0.27	21.50	0.05	0.45	
		-0.49	0.35		0.19	0.17		0.17	0.51	
7G8JHQ	10.20	-0.67	1.06	7.73	-0.22	0.92	20.57	-0.24	0.59	
		-0.97	0.85		-0.37	0.58		-0.77	0.67	
2PWFGW	11.89	0.50	0.12	8.58	0.29	0.46	23.08	0.54	0.26	
		0.72	0.09		0.48	0.29		1.75	0.29	



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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		
U6D7FX	10.39	-0.53	0.51	7.31	-0.48	0.47	20.10	-0.38	0.27
		-0.78	0.42		-0.79	0.29		-1.23	0.30
	9.53	-1.13	0.35	6.25	-1.13	0.89	21.60	0.08	0.56
		-1.64	0.28		-1.85	0.56		0.27	0.62
LDDTR6	10.53	-0.44	0.38	7.75	-0.21	0.51	20.03	-0.40	0.29
		-0.63	0.31		-0.35	0.32		-1.30	0.32
FVERDC	12.25	0.75	0.67	9.51	0.86	1.43	23.33	0.62	2.85
		1.08	0.54		1.41	0.90		2.00	3.20
RM2X2R	10.43	-0.50	0.19	8.02	-0.05	0.36	20.87	-0.14	0.37
		-0.73	0.15		-0.08	0.23		-0.47	0.42
Grand Median		11.2		8.10			21.3		
Median Abs Dev		0.6		0.70			1.2		
Avg Within Lab SD		0.8		0.63			1.1		
Labs Included		25		25			25		
Labs Reporting		25		25			25		



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

Mo (SubTestCode 224)	in the Wet Digestion Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	1.14	0.00	0.07	0.47	0.18	0.07	0.45	0.06	0.13	
		0.00	0.01		0.07	0.01		0.02	0.02	
6VRW4Y	1.07	-0.30	0.25	0.48	0.23	0.09	0.52	0.30	0.35	
		-0.08	0.04		0.08	0.01		0.08	0.04	
G38DZP	0.95	-0.74	0.16	0.40	-0.01	0.18	0.41	-0.09	0.09	
		-0.19	0.02		0.00	0.03		-0.03	0.01	
8A6P8V	1.07	-0.29	0.41	0.40	0.00	0.59	0.43	-0.01	0.50	
		-0.07	0.06		0.00	0.10		0.00	0.06	
3DGBJZ	1.84	2.75	2.03	1.85	3.92	2.87	1.62	4.21	2.92	
		0.70	0.29		1.45	0.49		1.19	0.34	
2PWFGW	1.25	0.43	0.27							
		0.11	0.04							
U6D7FX	1.12	-0.09	0.35	0.35	-0.13	0.04	0.42	-0.07	0.08	
		-0.02	0.05		-0.05	0.01		-0.02	0.01	
	1.13	-0.05	0.34	0.35	-0.15	0.13	0.40	-0.14	0.05	
		-0.01	0.05		-0.05	0.02		-0.04	0.01	
LDDTR6	1.20	0.24	2.02							
		0.06	0.28							
FVERDC	1.73	2.34	1.48	0.92	1.40	0.61	0.77	1.19	0.22	
		0.59	0.21		0.52	0.10		0.34	0.03	
RM2X2R	1.19	0.20	0.12	0.38	-0.05	0.03	0.44	0.00	0.05	
		0.05	0.02		-0.02	0.01		0.00	0.01	
Grand Median		1.14			0.40			0.44		
Median Abs Dev		0.07			0.05			0.03		
Avg Within Lab SD		0.14			0.17			0.11		
Labs Included		11			9			9		
Labs Reporting		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		

P (SubTestCode 225)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	0.31	0.91	1.78	0.43	0.56	1.01	0.20	0.00	0.92	
		0.01	0.02		0.02	0.01		0.00	0.01	
26RTZY	0.29	-0.27	0.55	0.35	-2.22	0.94	0.23	1.55	0.54	
		0.00	0.01		-0.06	0.01		0.03	0.01	
C2ET8P	0.30	0.00	0.55	0.42	0.00	0.47	0.20	-0.30	0.54	
		0.00	0.01		0.00	0.01		-0.01	0.01	
JTEQYJ	0.28	-1.37		0.40	-0.58		0.19	-0.64		
		-0.02	0.00		-0.02	0.00		-0.01	0.00	
P6MKV6	0.31	0.82	1.10	0.42	0.00	1.70	0.22	0.88	1.89	
		0.01	0.01		0.00	0.02		0.02	0.02	
Grand Median		0.30			0.42			0.20		
Median Abs Dev		0.01			0.02			0.01		
Avg Within Lab SD		0.01			0.01			0.01		
Labs Included		5			5			5		
Labs Reporting		5			5			5		



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

K (SubTestCode 226)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	1.7	0.0	0.6	10.4	0.2	1.9	0.9	0.7	0.9	
		0.0	0.0		0.3	0.1		0.1	0.0	
26RTZY	1.7	0.5	0.4	10.7	0.4	0.8	0.8	-0.4	0.3	
		0.1	0.0		0.7	0.0		0.0	0.0	
C2ET8P	1.7	0.5	0.4	10.1	0.0	1.0	1.0	1.6	0.7	
		0.1	0.0		0.0	0.0		0.2	0.0	
JTEQYJ	1.5	-1.1		9.4	-0.5		0.9	0.0		
		-0.2	0.0		-0.7	0.0		0.0	0.0	
P6MKV6	1.5	-1.4	2.1	6.6	-2.3	0.2	0.8	-0.6	1.9	
		-0.2	0.1		-3.4	0.0		-0.1	0.1	
Grand Median		1.66			10.1			0.85		
Median Abs Dev		0.07			0.7			0.06		
Avg Within Lab SD		0.03			0.0			0.04		
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		

Ca (SubTestCode 227)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	0.82	0.00	0.37	1.25	0.00	0.77	0.62	0.00	0.50	
		0.00	0.01		0.00	0.02		0.00	0.02	
26RTZY	0.77	-1.20	0.97	1.42	1.45	0.51	0.57	-0.83	0.30	
		-0.05	0.02		0.17	0.02		-0.05	0.01	
C2ET8P	0.84	0.66	0.37	1.36	0.91	0.33	0.67	0.78	0.18	
		0.02	0.01		0.11	0.01		0.05	0.01	
JTEQYJ	0.79	-0.76		1.18	-0.63		0.61	-0.21		
		-0.03	0.00		-0.07	0.00		-0.01	0.00	
P6MKV6	0.85	0.75	1.94	1.21	-0.38	2.01	0.72	1.56	2.15	
		0.03	0.03		-0.04	0.06		0.10	0.07	
Grand Median		0.82		1.25			0.62			
Median Abs Dev		0.03		0.07			0.05			
Avg Within Lab SD		0.02		0.03			0.03			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



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

Mg (SubTestCode 228)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	0.31	-1.72	0.15	0.60	0.00	0.58	0.08	-1.99	0.38	
		-0.03	0.00		0.00	0.01		-0.05	0.00	
26RTZY	0.34	0.00	1.17	0.66	1.12	1.19	0.15	0.97	1.10	
		0.00	0.01		0.06	0.02		0.02	0.01	
C2ET8P	0.34	0.21	0.67	0.60	0.01	0.00	0.13	0.00	0.00	
		0.00	0.01		0.00	0.00		0.00	0.00	
JTEQYJ	0.32	-1.24		0.53	-1.35		0.13	0.00		
		-0.02	0.00		-0.07	0.00		0.00	0.00	
P6MKV6	0.34	0.21	1.78	0.55	-0.89	1.80	0.14	0.41	1.91	
		0.00	0.02		-0.05	0.02		0.01	0.01	
Grand Median		0.34		0.60			0.13			
Median Abs Dev		0.00		0.05			0.01			
Avg Within Lab SD		0.01		0.01			0.01			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



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

Na (SubTestCode 229)	in the Dry Ash Property Groups									Data units: Percent
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	0.02	-0.21	1.95	0.12	-0.01	0.65	0.02	0.54	1.34	
		0.00	0.00		0.00	0.01		0.00	0.00	
26RTZY	0.02	0.21	0.31	0.11	-0.13	0.60	0.01	-0.54	1.05	
		0.00	0.00		-0.01	0.01		0.00	0.00	
C2ET8P	0.01	-1.97	0.31	0.12	0.01	0.00	0.01	-0.68	1.05	
		-0.01	0.00		0.00	0.00		0.00	0.00	
P6MKV6	0.02	0.31	0.00	0.24	2.54	1.79	0.02	0.94	0.00	
		0.00	0.00		0.12	0.02		0.01	0.00	
Grand Median		0.018			0.12			0.014		
Median Abs Dev		0.002			0.00			0.004		
Avg Within Lab SD		0.002			0.01			0.001		
Labs Included		4			4			4		
Labs Reporting		4			4			4		



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

AI (SubTestCode 230)	in the Dry Ash Property Groups						Data units: mg/kg
	SRBSRB1407		SRBSRB1408		SRBSRB1409		
LQ2XXG	102.0	1.3	75.0	0.4	405.3	1.4	
		14.1		4.4		66.9	
P6MKV6	79.1	0.6	129.8	1.4	467.2	0.4	
		7.2		16.8		17.5	
Grand Median	90.5		102.4		436.3		
Median Abs Dev							
Avg Within Lab SD	11.2		12.3		48.9		
Labs Included	2		2		2		
Labs Reporting	2		2		2		



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

B (SubTestCode 231)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	15.2	0.3	0.6	29.2	0.2	0.6	14.2	0.2	0.3	
		0.9	0.2		0.9	0.6		0.5	0.2	
L2ZREK	15.5	0.4	0.4	28.6	0.1	0.1	15.3	0.5	0.4	
		1.1	0.1		0.3	0.1		1.6	0.2	
26RTZY	14.3	0.0	1.5	32.0	0.8	1.9	9.7	-1.3	1.1	
		0.0	0.6		3.7	2.0		-4.0	0.6	
C2ET8P	14.3	0.0	1.5	28.3	0.0	0.5	14.3	0.2	1.1	
		0.0	0.6		0.0	0.6		0.7	0.6	
LQ2XXG	13.0	-0.5		25.3	-0.6	0.5	13.7	0.0	1.1	
		-1.3	0.0		-3.0	0.6		0.0	0.6	
JTEQYJ	12.0	-0.9		22.0	-1.3		12.0	-0.6		
		-2.3	0.0		-6.3	0.0		-1.7	0.0	
P6MKV6	7.7	-2.5	1.4	19.8	-1.8	1.6	8.1	-1.9	1.9	
		-6.7	0.5		-8.5	1.6		-5.6	1.0	
Grand Median		14.3		28.3			13.7			
Median Abs Dev		1.1		3.0			1.6			
Avg Within Lab SD		0.4		1.1			0.5			
Labs Included		7		7			7			
Labs Reporting		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		

Zn (SubTestCode 232)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	16.9	0.0	0.1	37.4	-0.1	0.6	25.4	-1.1	0.0	
		-0.1	0.1		-0.6	0.6		-9.6	0.0	
26RTZY	17.0	0.0	1.0	38.0	0.0	1.0	41.0	0.7	0.6	
		0.0	1.0		0.0	1.0		6.0	1.0	
C2ET8P	20.0	0.3	1.0	45.7	1.1	0.6	35.0	0.0	0.6	
		3.0	1.0		7.7	0.6		0.0	1.0	
JTEQYJ	5.0	-1.4		27.0	-1.6		27.0	-0.9		
		-12.0	0.0		-11.0	0.0		-8.0	0.0	
P6MKV6	30.9	1.6	1.7	41.5	0.5	1.8	42.2	0.8	2.1	
		13.9	1.7		3.5	1.8		7.2	3.5	
Grand Median		17.0		38.0			35.0			
Median Abs Dev		3.0		3.5			7.2			
Avg Within Lab SD		1.0		1.0			1.7			
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		

Mn (SubTestCode 233)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	45.2	0.0	0.3	73.5	0.0	0.4	45.8	-1.3	0.3	
		0.0	0.3		0.0	0.7		-5.2	1.0	
26RTZY	46.0	0.5	1.0	74.0	0.2	0.7	49.3	-0.4	0.2	
		0.8	1.0		0.5	1.0		-1.7	0.6	
C2ET8P	46.0	0.5	1.0	79.0	1.6	0.7	51.0	0.0	0.3	
		0.8	1.0		5.5	1.0		0.0	1.0	
JTEQYJ	42.0	-1.9		71.0	-0.7		51.0	0.0		
		-3.2	0.0		-2.5	0.0		0.0	0.0	
P6MKV6	44.3	-0.5	1.7	70.6	-0.8	2.0	57.7	1.7	2.2	
		-0.9	1.8		-2.9	3.0		6.7	6.5	
Grand Median	45.2			73.5			51.0			
Median Abs Dev	0.8			2.5			1.7			
Avg Within Lab SD	1.0			1.5			3.0			
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		

Fe (SubTestCode 234)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	122.6	-0.5	0.5	111.5	-0.1	0.3	41.4	-0.3	0.1	
		-11.2	1.5		-1.6	1.4		-6.9	0.2	
26RTZY	143.7	0.5	0.5	171.3	2.1	0.3	42.7	-0.3	0.7	
		9.9	1.5		58.2	1.5		-5.6	1.5	
C2ET8P	127.7	-0.3	0.7	103.3	-0.4	0.7	55.0	0.3	0.8	
		-6.1	2.1		-9.8	3.1		6.7	1.7	
JTEQYJ	175.0	2.0		137.0	0.9		97.0	2.4		
		41.3	0.0		23.9	0.0		48.7	0.0	
P6MKV6	133.7	0.0	2.0	113.1	0.0	2.1	48.3	0.0	2.0	
		0.0	5.9		0.0	9.5		0.0	4.3	
Grand Median	133.7			113.1			48.3			
Median Abs Dev	9.9			9.8			6.7			
Avg Within Lab SD	2.9			4.5			2.2			
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		

Cu (SubTestCode 235)	in the Dry Ash Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
L2ZREK	4.97	0.00	0.37	7.95	1.03	0.13	3.25	-1.94	0.16	
		0.00	0.12		2.80	0.08		-5.75	0.11	
26RTZY	7.33	0.84	1.86	7.00	0.68	1.61	9.00	0.00	1.45	
		2.37	0.58		1.85	1.00		0.00	1.00	
C2ET8P	5.38	0.15	0.59	5.15	0.00	0.66	7.73	-0.43	0.30	
		0.41	0.18		0.00	0.41		-1.27	0.21	
JTEQYJ	1.00	-1.40		3.00	-0.79		11.00	0.67		
		-3.97	0.00		-2.15	0.00		2.00	0.00	
P6MKV6	2.17	-0.99	1.03	2.80	-0.87	1.40	10.00	0.34	1.67	
		-2.80	0.32		-2.35	0.87		1.00	1.15	
Grand Median		4.97		5.15			9.00			
Median Abs Dev		2.37		2.15			1.27			
Avg Within Lab SD		0.31		0.62			0.69			
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		

As (SubTestCode 237)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
3DGBJZ	0.617	2.979	2.227	0.663	3.013	2.235	0.703	2.631	2.000	
		0.466	0.186		0.582	0.458		0.660	0.465	
U6D7FX	0.150	0.000	0.091	0.081	0.000	0.027	0.040	-0.013	0.015	
		0.000	0.008		0.000	0.006		-0.003	0.004	
	0.134	-0.106	0.039	0.069	-0.064	0.039	0.033	-0.042	0.004	
		-0.017	0.003		-0.012	0.008		-0.011	0.001	
LDDTR6	0.150	-0.004	0.159	0.073	-0.041	0.022				
		-0.001	0.013		-0.008	0.005				
RM2X2R	0.195	0.283	0.084	0.130	0.254	0.023	0.047	0.013	0.009	
		0.044	0.007		0.049	0.005		0.003	0.002	
Grand Median		0.15		0.081			0.044			
Median Abs Dev		0.02		0.012			0.007			
Avg Within Lab SD		0.08		0.205			0.233			
Labs Included		5		5			4			
Labs Reporting		5		5			4			



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

Ba (SubTestCode 238)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
U2UBC6	6.3	0.6	1.0	45.9	-1.3	0.0	11.6	0.0	0.4	
		0.3	0.2		-7.2	0.1		0.0	0.1	
3DGBJZ	5.4	-1.5	1.8	45.2	-1.4	0.8	10.3	-2.2	1.1	
		-0.6	0.3		-7.9	1.1		-1.2	0.3	
2PWFGW	5.7	-0.8	0.6	57.0	0.7	0.5	11.7	0.2	0.5	
		-0.3	0.1		4.0	0.8		0.1	0.1	
U6D7FX	6.4	0.8	1.2	56.4	0.6	0.6	11.7	0.2	1.0	
		0.3	0.2		3.3	0.9		0.1	0.3	
	5.7	-0.8	0.3	52.6	-0.1	2.1	11.4	-0.3	0.2	
		-0.3	0.1		-0.4	3.0		-0.2	0.1	
LDDTR6	6.0	0.0	0.6	53.0	0.0	0.6	11.3	-0.4	1.3	
		0.0	0.1		0.0	0.8		-0.2	0.3	
RM2X2R	6.1	0.1	0.6	56.5	0.6	0.9	12.3	1.4	1.6	
		0.1	0.1		3.5	1.3		0.7	0.4	
Grand Median		6.03		53.0			11.6			
Median Abs Dev		0.34		3.5			0.2			
Avg Within Lab SD		0.15		1.4			0.3			
Labs Included		7		7			7			
Labs Reporting		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		

Cd (SubTestCode 239)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	0.06	0.54	0.23	1.24	0.38	0.14	0.03	0.53	0.29	
		0.01	0.01		0.04	0.01		0.01	0.01	
U2UBC6				1.00	-1.73					
					-0.20	0.00				
3DGBJZ	0.10	2.60	2.43	1.02	-1.53	1.83	0.09	2.68	2.22	
		0.05	0.06		-0.18	0.07		0.07	0.08	
2PWFGW				1.34	1.18	0.93				
					0.14	0.04				
U6D7FX	0.05	0.04	0.12	1.21	0.12	0.38	0.02	0.00	0.01	
		0.00	0.00		0.01	0.02		0.00	0.00	
	0.03	-0.68	0.00	1.20	-0.03	1.79	0.01	-0.15	0.03	
		-0.01	0.00		0.00	0.07		0.00	0.00	
LDDTR6	0.04	-0.04	0.08	1.15	-0.40	0.57				
		0.00	0.00		-0.05	0.02				
RM2X2R	0.04	-0.14	0.06	1.20	0.03	0.29	0.02	-0.01	0.03	
		0.00	0.00		0.00	0.01		0.00	0.00	
Grand Median		0.045			1.20			0.015		
Median Abs Dev		0.007			0.05			0.004		
Avg Within Lab SD		0.025			0.04			0.034		
Labs Included		6			8			5		
Labs Reporting		6			8			5		



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

Co (SubTestCode 240)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	0.13	0.66	0.43	0.52	1.59	0.35	0.05	-0.46	0.11	
		0.02	0.01		0.11	0.02		-0.02	0.01	
8A6P8V	0.22	3.17	0.25	0.54	1.89	0.92	0.15	1.91	0.19	
		0.12	0.01		0.13	0.06		0.08	0.01	
U2UBC6				0.39	-0.23	0.39				
					-0.02	0.02				
3DGBJZ	0.10	-0.06	2.56	0.41	0.01	2.59	0.12	1.30	2.44	
		0.00	0.06		0.00	0.16		0.06	0.13	
U6D7FX	0.11	0.00	0.34	0.41	-0.01	0.15	0.06	-0.08	0.05	
		0.00	0.01		0.00	0.01		0.00	0.00	
	0.08	-0.66	0.11	0.33	-1.16	0.28	0.06	-0.24	0.03	
		-0.02	0.00		-0.08	0.02		-0.01	0.00	
LDDTR6	0.11	0.12		0.41	-0.03	0.19				
		0.00	0.00		0.00	0.01				
RM2X2R	0.10	-0.05	0.23	0.44	0.46	0.14	0.07	0.08	0.05	
		0.00	0.01		0.03	0.01		0.00	0.00	
Grand Median		0.11			0.41			0.067		
Median Abs Dev		0.00			0.02			0.015		
Avg Within Lab SD		0.02			0.06			0.053		
Labs Included		7			8			6		
Labs Reporting		7			8			6		



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

Ni (SubTestCode 241)	in the Heavy Metals Property Groups									Data units: mg/kg
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	2.00	0.03	0.75	1.27	0.07	0.71	2.13	-0.66	0.32	
		0.01	0.10		0.02	0.12		-0.20	0.06	
U2UBC6	1.87	-0.50	0.87	1.20	-0.16	0.00	2.13	-0.66	1.67	
		-0.13	0.12		-0.05	0.00		-0.20	0.31	
3DGBJZ	2.54	2.21	1.86	1.81	1.89	1.59	2.56	0.78	0.98	
		0.55	0.25		0.56	0.26		0.23	0.18	
2PWFGW	2.31	1.27	1.57	1.68	1.47	2.04	2.76	1.44	1.01	
		0.32	0.21		0.44	0.33		0.43	0.19	
U6D7FX	1.98	-0.03	0.64	1.23	-0.07	0.30	2.23	-0.33	0.16	
		-0.01	0.09		-0.02	0.05		-0.10	0.03	
	1.78	-0.83	0.23	1.04	-0.69	0.57	2.13	-0.68	0.27	
		-0.21	0.03		-0.20	0.09		-0.20	0.05	
LDDTR6	1.97	-0.07	0.45	1.22	-0.10	0.34	2.49	0.52	1.73	
		-0.02	0.06		-0.03	0.06		0.16	0.32	
RM2X2R	2.10	0.45	0.26	1.53	0.96	0.54	2.43	0.33	0.24	
		0.11	0.04		0.28	0.09		0.10	0.04	
Grand Median		1.99		1.25			2.33			
Median Abs Dev		0.12		0.13			0.20			
Avg Within Lab SD		0.13		0.16			0.18			
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		

Pb (SubTestCode 242)	in the Heavy Metals Property Groups						Data units: mg/kg		
	SRBSRB1407		SRBSRB1408		SRBSRB1409				
RVVXMC					0.43	-0.06	0.02		
						-0.16	0.06		
3DGBJZ	4.45	3.33	2.24	8.94	3.20	2.23	10.73	3.97	2.45
		4.31	4.39		8.78	8.89	10.13	6.88	
U6D7FX	0.15	0.00	0.00	0.16	0.00	0.00	0.59	0.00	0.00
		0.00	0.01		0.00	0.01	-0.01	0.01	
	0.12	-0.02	0.00	0.13	-0.01	0.00	0.60	0.00	0.01
		-0.03	0.00		-0.03	0.01	0.00	0.02	
LDDTR6	0.17	0.01	0.00	0.16	0.00	0.00	0.61	0.00	0.00
		0.02	0.01		0.00	0.01	0.01	0.01	
RM2X2R	0.14	-0.01	0.00	0.59	0.16	0.18	0.60	0.00	0.01
		-0.01	0.01		0.43	0.73	0.00	0.03	
Grand Median		0.15		0.16			0.60		
Median Abs Dev		0.02		0.03			0.01		
Avg Within Lab SD		1.97		3.99			2.81		
Labs Included		5		5			6		
Labs Reporting		5		5			6		



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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
	SRBSRB1407			SRBSRB1408			SRBSRB1409			
RVVXMC	13.0	-1.6		61.0	-0.1		37.0	-1.2		
		-2.6	0.0		-0.6	0.0		-2.2	0.0	
8A6P8V	13.8	-1.1	0.5	61.4	0.0	0.6	38.7	-0.3	1.2	
		-1.8	0.1		-0.2	1.1		-0.6	0.7	
U2UBC6	13.9	-1.0	0.4	52.3	-2.3	0.0	36.9	-1.2	0.6	
		-1.7	0.1		-9.3	0.0		-2.3	0.3	
3DGBJZ	18.3	1.7	0.1	60.6	-0.3	0.7	39.2	0.0	0.3	
		2.8	0.0		-1.0	1.2		0.0	0.2	
2PWFGW	16.3	0.5	0.2	67.6	1.5	0.8	43.6	2.3	1.0	
		0.8	0.0		6.1	1.5		4.3	0.6	
U6D7FX	15.6	0.0	1.7	63.6	0.5	0.0	39.9	0.3	1.1	
		0.0	0.4		2.0	0.1		0.6	0.6	
	15.7	0.1	1.2	62.7	0.3	2.5	39.3	0.0	1.1	
		0.1	0.3		1.2	4.5		0.0	0.6	
LDDTR6	15.4	-0.1	1.7	61.6	0.0	0.4	38.1	-0.6	0.8	
		-0.2	0.4		0.0	0.7		-1.1	0.4	
RM2X2R	15.6	0.0	0.8	65.4	1.0	0.2	39.7	0.2	1.4	
		0.0	0.2		3.9	0.3		0.5	0.8	
Grand Median		15.6		61.6			39.2			
Median Abs Dev		0.8		1.2			0.6			
Avg Within Lab SD		0.3		1.8			0.6			
Labs Included		9		9			9			
Labs Reporting		9		9			9			



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



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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:								
	SRWSRW1407			SRWSRW1408			SRWSRW1409		
RVVXMC	7.95	-0.84	0.00	7.80	-0.74	0.00	7.71	-0.53	0.00
		-0.18	0.00		-0.15	0.00		-0.12	0.00
6VRW4Y	8.33	1.00	1.33	8.13	0.93	1.42	8.07	1.09	2.05
		0.21	0.06		0.19	0.06		0.24	0.12
JXQR6N	7.76	-1.73	2.27	7.74	-1.03	2.11	7.65	-0.82	0.57
		-0.36	0.10		-0.21	0.09		-0.18	0.03
JWV7DH	8.16	0.15	0.13	8.00	0.24	1.39	7.88	0.23	0.98
		0.03	0.01		0.05	0.06		0.05	0.06
C2ET8P	8.08	-0.20	0.66	7.87	-0.39	0.49	7.63	-0.89	0.78
		-0.04	0.03		-0.08	0.02		-0.20	0.04
EPDALE	8.18	0.26	0.00	7.98	0.14	0.57	7.95	0.54	0.10
		0.06	0.00		0.03	0.02		0.12	0.01
LQ2XXG	8.09	-0.15	1.14	7.92	-0.14	0.42	7.78	-0.23	0.62
		-0.03	0.05		-0.03	0.02		-0.05	0.04
K88ZXA	8.33	0.97	0.35	8.24	1.45	0.51	8.14	1.44	0.37
		0.20	0.02		0.29	0.02		0.32	0.02
2PWFGW	8.20	0.34	0.35	8.03	0.39	0.57	7.94	0.51	0.18
		0.07	0.02		0.08	0.02		0.11	0.01
FVERDC	7.90	-1.09	1.04	7.69	-1.28	0.51	7.72	-0.47	1.82
		-0.23	0.05		-0.26	0.02		-0.10	0.10
Grand Median		8.13		7.95			7.83		
Median Abs Dev		0.12		0.11			0.12		
Avg Within Lab SD		0.04		0.04			0.06		
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		

EC (SubTestCode 302)	Data units: dS/m								
	SRWSRW1407			SRWSRW1408			SRWSRW1409		
RVVXMC	0.69	-0.64	0.03	0.45	-0.71	0.00	0.15	0.00	0.00
		-0.02	0.00		-0.01	0.00		0.00	0.00
6VRW4Y	0.72	0.00	1.71	0.45	-0.37	0.58	0.16	1.87	0.00
		0.00	0.03		-0.01	0.01		0.01	0.00
JXQR6N	0.70	-0.35	0.32	0.44	-1.10	1.00	0.14	-0.96	0.38
		-0.01	0.01		-0.02	0.01		-0.01	0.01
JWV7DH	0.73	0.26	0.32	0.46	0.18	0.58	0.15	0.17	0.00
		0.01	0.01		0.00	0.01		0.00	0.00
C2ET8P	0.67	-1.22	0.56	0.46	0.00	2.64	0.16	1.30	0.38
		-0.05	0.01		0.00	0.03		0.01	0.01
EPDALE	0.78	1.73	0.61	0.49	1.58	0.46	0.14	-1.70	0.07
		0.07	0.01		0.03	0.00		-0.01	0.00
LQ2XXG	0.72	0.09	0.00	0.47	0.37	0.58	0.15	0.17	0.00
		0.00	0.00		0.01	0.01		0.00	0.00
K88ZXA	0.72	0.20	0.12	0.46	0.15	0.12	0.15	-0.07	0.03
		0.01	0.00		0.00	0.00		0.00	0.00
2PWFGW	0.73	0.38	0.56	0.47	0.68	0.38	0.15	0.85	0.00
		0.01	0.01		0.01	0.00		0.01	0.00
L4N8L8	0.70	-0.50	0.18	0.46	-0.24	0.51	0.15	-0.11	0.14
		-0.02	0.00		0.00	0.01		0.00	0.00
FVERDC	0.64	-2.05	2.61	0.42	-2.05	1.18	0.15	-0.23	3.27
		-0.08	0.05		-0.04	0.01		0.00	0.05
Grand Median		0.72		0.46			0.15		
Median Abs Dev		0.01		0.01			0.00		
Avg Within Lab SD		0.02		0.01			0.02		
Labs Included		11		11			11		
Labs Reporting		11		11			11		



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

Ca (SubTestCode 303)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	1.52	0.48	0.32	4.01	0.14	0.81	1.10	0.25	0.06	
		0.15	0.02		0.12	0.07		0.06	0.00	
6VRW4Y	1.35	-0.05	0.00	3.68	-0.24	0.83	1.02	-0.08	0.67	
		-0.02	0.00		-0.21	0.08		-0.02	0.03	
JXQR6N	1.33	-0.11	0.51	3.47	-0.48	2.95	0.98	-0.25	1.42	
		-0.04	0.03		-0.42	0.27		-0.06	0.06	
JWV7DH	1.55	0.56	0.93	4.18	0.34	0.64	1.11	0.31	0.35	
		0.18	0.06		0.29	0.06		0.08	0.02	
C2ET8P	1.20	-0.52	2.93	3.77	-0.14	0.63	0.83	-0.84	2.68	
		-0.17	0.17		-0.12	0.06		-0.20	0.12	
EPDALE	1.53	0.50	0.26	4.38	0.57	0.06	1.13	0.38	0.40	
		0.16	0.02		0.49	0.01		0.09	0.02	
LQ2XXG	1.40	0.11	0.39	4.04	0.18	0.17	1.08	0.19	0.13	
		0.04	0.02		0.15	0.02		0.05	0.01	
K88ZXA	0.37	-3.13	0.08	1.08	-3.27	0.21	0.27	-3.17	0.10	
		-1.00	0.00		-2.81	0.02		-0.77	0.00	
2PWFGW	1.41	0.13	0.04	3.92	0.03	0.05	1.04	0.00	0.01	
		0.04	0.00		0.03	0.00		0.00	0.00	
L4N8L8	0.79	-1.81	0.03	2.15	-2.02	0.08	0.59	-1.85	0.03	
		-0.58	0.00		-1.74	0.01		-0.45	0.00	
FVERDC	1.37	0.00	0.98	3.89	0.00	0.29	1.06	0.09	1.01	
		0.00	0.06		0.00	0.03		0.02	0.04	
Grand Median		1.37			3.89			1.04		
Median Abs Dev		0.15			0.21			0.06		
Avg Within Lab SD		0.06			0.09			0.04		
Labs Included		11			11			11		
Labs Reporting		11			11			11		



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

Mg (SubTestCode 304)	in the Cations Property Groups									Data units: mmolc/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	1.26	0.01	0.04	0.63	0.00	0.37	0.34	-0.14	0.20	
		0.00	0.00		0.00	0.01		-0.01	0.00	
6VRW4Y	1.25	-0.03	0.00	0.67	0.24	0.00	0.35	0.00	0.98	
		-0.15	1.60		0.04	0.00		0.00	0.02	
JXQR6N	1.22	-0.04	0.05	0.67	0.24	2.69	0.37	0.30	2.00	
		0.32	0.59		0.04	0.06		0.03	0.05	
JWV7DH	1.35	0.09	0.02	0.73	0.59	1.74	0.38	0.34	0.23	
		0.03	1.95		0.10	0.04		0.03	0.01	
C2ET8P	1.27	0.01	0.06	0.70	0.43	0.00	0.37	0.22	2.35	
		0.60	0.59		0.07	0.00		0.02	0.06	
EPDALE	1.43	0.17	0.02	0.79	0.96	0.37	0.42	0.88	0.19	
		-0.09	0.39		0.16	0.01		0.08	0.00	
LQ2XXG	1.23	-0.03	0.01	0.62	-0.03	0.00	0.35	0.03	0.00	
		-3.83	0.05		-0.01	0.00		0.00	0.00	
K88ZXA	0.17	-1.09	0.00	0.09	-3.15	0.07	0.05	-3.50	0.05	
		0.00	0.04		-0.54	0.00		-0.30	0.00	
2PWFGW	1.26	0.00	0.00	0.62	-0.04	0.05	0.35	0.00	0.04	
		0.00	0.00		-0.01	0.00		0.00	0.00	
L4N8L8	0.59	-2.34	0.02	0.33	-1.71	0.03	0.18	-2.00	0.00	
		-0.67	0.00		-0.29	0.00		-0.17	0.00	
FVERDC	1.27	0.03	1.95	0.62	-0.01	0.70	0.35	-0.01	0.62	
		0.01	0.06		0.00	0.02		0.00	0.02	
Grand Median		1.26			0.63			0.35		
Median Abs Dev		0.03			0.04			0.02		
Avg Within Lab SD		0.03			0.02			0.02		
Labs Included		11			11			11		
Labs Reporting		11			11			11		



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

Na (SubTestCode 305)	in the Cations Property Groups									Data units: mmolc/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	3.85	-0.04	0.44	0.22	0.00	0.14	0.16	0.06	0.01	
		-0.02	0.08		0.00	0.01		0.00	0.00	
6VRW4Y	3.83	-0.09	1.04	0.22	0.00	0.00	0.13	-0.40	0.00	
		-0.04	0.19		0.00	0.00		-0.02	0.00	
JXQR6N	3.86	0.00	2.93	0.41	2.81	2.41	0.31	2.66	2.31	
		0.00	0.53		0.19	0.09		0.16	0.12	
JWV7DH	4.27	1.01	0.42	0.25	0.47	0.26	0.16	0.16	0.42	
		0.41	0.08		0.03	0.01		0.01	0.02	
C2ET8P	3.87	0.01	0.64	0.19	-0.36	0.55	0.12	-0.58	0.72	
		0.00	0.12		-0.02	0.02		-0.03	0.04	
EPDALE	4.24	0.94	0.41	0.33	1.63	2.12	0.25	1.63	2.23	
		0.38	0.07		0.11	0.08		0.10	0.11	
LQ2XXG	3.76	-0.25	0.03	0.21	-0.11	0.00	0.14	-0.24	0.00	
		-0.10	0.01		-0.01	0.00		-0.01	0.00	
K88ZXA	4.56	1.73	0.03	0.16	-0.87	0.03	0.09	-1.06	0.02	
		0.70	0.01		-0.06	0.00		-0.06	0.00	
2PWFGW	4.07	0.52	0.03	0.23	0.21	0.02	0.16	0.12	0.01	
		0.21	0.01		0.01	0.00		0.01	0.00	
L4N8L8	3.61	-0.62	0.03	0.24	0.27	0.08	0.15	0.00	0.02	
		-0.25	0.01		0.02	0.00		0.00	0.00	
FVERDC	2.97	-2.21	0.64	0.17	-0.70	0.53	0.12	-0.51	0.12	
		-0.90	0.12		-0.05	0.02		-0.03	0.01	
Grand Median		3.86			0.22			0.15		
Median Abs Dev		0.21			0.02			0.02		
Avg Within Lab SD		0.18			0.04			0.05		
Labs Included		11			11			11		
Labs Reporting		11			11			11		



ALP Program - Participant Web Summary Report - Cycle 25

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

K (SubTestCode 306)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	0.268	0.133	0.054	0.026	-0.004	0.028	0.012	0.000	0.000	
		0.006	0.001		0.000	0.001		0.000	0.000	
6VRW4Y	0.248	-0.283	0.624							
		-0.014	0.007							
JXQR6N	0.270	0.168	2.478	0.080	1.156	2.732	0.077	1.397	2.726	
		0.008	0.026		0.054	0.056		0.065	0.038	
EPDALE	0.245	-0.360	0.541	0.008	-0.388	0.125	0.003	-0.203	0.000	
		-0.017	0.006		-0.018	0.003		-0.009	0.000	
LQ2XXG	0.250	-0.249		0.020	-0.125	0.000	0.010	-0.043	0.000	
		-0.012	0.000		-0.006	0.000		-0.002	0.000	
K88ZXA	0.425	3.401	1.133	0.188	3.462	0.664	0.179	3.602	0.750	
		0.163	0.012		0.162	0.014		0.167	0.010	
2PWFGW	0.262	0.000	0.057	0.026	0.004	0.008	0.012	0.000	0.008	
		0.000	0.001		0.000	0.000		0.000	0.000	
L4N8L8	0.321	1.229	0.094	0.035	0.202	0.028	0.014	0.043	0.000	
		0.059	0.001		0.009	0.001		0.002	0.000	
FVERDC	0.250	-0.249	0.937	0.023	-0.054	0.283	0.007	-0.106	0.076	
		-0.012	0.010		-0.003	0.006		-0.005	0.001	
Grand Median		0.26			0.026			0.012		
Median Abs Dev		0.01			0.008			0.003		
Avg Within Lab SD		0.01			0.020			0.014		
Labs Included		9			8			8		
Labs Reporting		9			8			8		



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

NH4-N (SubTestCode 307)	in the Cations Property Groups						Data units: mmolc/L
SRWSRW1407			SRWSRW1408			SRWSRW1409	
6VRW4Y			0.004	1.281		0.007	
				0.005			0.000
EPDALE	0.065	0.137	0.070	1.021		0.068	1.000
		0.003		0.004			0.000
FVERDC	0.220	1.408	0.005	0.564			
		0.026		0.002			
Grand Median	0.14		0.005			0.037	
Median Abs Dev							
Avg Within Lab SD	0.02		0.004			0.000	
Labs Included	2		3			2	
Labs Reporting	2		3			2	



ALP Program - Participant Web Summary Report - Cycle 25

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

Sum Cations (SubTestCode 308)	in the Cations Property Groups									Data units: mmol/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	6.90	0.42	0.74	4.88	0.00	1.31	1.60	0.15	0.11	
		0.22	0.09		0.00	0.08		0.02	0.01	
6VRW4Y	6.67	0.00	1.76	4.57	-0.90	1.28	1.51	-0.57	1.23	
		0.00	0.20		-0.31	0.08		-0.07	0.08	
EPDALE	7.51	1.59	0.97	5.58	2.00	1.23	1.87	2.26	1.57	
		0.84	0.11		0.70	0.08		0.29	0.10	
LQ2XXG	6.65	-0.04	0.26	4.90	0.05	0.28	1.58	0.00	0.09	
		-0.02	0.03		0.02	0.02		0.00	0.01	
FVERDC	5.98	-1.32	0.60	4.74	-0.42	0.25	1.53	-0.39	1.00	
		-0.69	0.07		-0.15	0.02		-0.05	0.06	
Grand Median		6.67		4.88			1.58			
Median Abs Dev		0.22		0.15			0.05			
Avg Within Lab SD		0.12		0.06			0.06			
Labs Included		5		5			5			
Labs Reporting		5		5			5			



ALP Program - Participant Web Summary Report - Cycle 25

Sample Mean	Z Score	k Score	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:
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	3.26	-0.51	0.68	0.14	0.32	0.16	0.19	0.91	0.04	
		-0.23	0.06		0.02	0.01		0.04	0.00	
C2ET8P	3.47	-0.05	1.64	0.10	-0.38	0.00	0.17	0.51	1.93	
		-0.02	0.15		-0.02	0.00		0.03	0.06	
K88ZXA	4.42	2.09	0.13	0.10	-0.32	0.00	0.12	-0.51	0.05	
		0.93	0.01		-0.02	0.00		-0.03	0.00	
FVERDC	3.51	0.05	0.90	0.23	1.68	1.99	0.10	-0.78	0.51	
		0.02	0.08		0.11	0.07		-0.04	0.02	
Grand Median		3.49			0.12			0.14		
Median Abs Dev		0.13			0.02			0.03		
Avg Within Lab SD		0.09			0.03			0.03		
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		

Adj-SAR (SubTestCode 310)	in the Cations Property Groups						Data units:
	SRWSRW1407		SRWSRW1408		SRWSRW1409		
C2ET8P	3.37	1.34	0.10	0.00	0.17	1.39	
		0.15		0.00		0.06	
FVERDC	1.90	0.46	0.10	1.41	0.09	0.24	
		0.05		0.03		0.01	
Grand Median	2.63		0.10		0.13		
Median Abs Dev							
Avg Within Lab SD	0.11		0.02		0.04		
Labs Included	2		2		2		
Labs Reporting	2		2		2		



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

HCO3 (SubTestCode 311)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	2.15	0.00	0.00	1.73	0.00	0.00	1.40	0.13	0.00	
		0.00	0.00		0.00	0.00		0.04	0.00	
6VRW4Y	2.34	0.40	0.63	1.87	0.36	1.07	1.39	0.11	0.66	
		0.19	0.07		0.14	0.10		0.03	0.06	
JXQR6N	2.15	0.00	1.53	1.71	-0.07	0.25	1.36	-0.02	0.07	
		0.00	0.16		-0.03	0.02		-0.01	0.01	
JWV7DH	2.29	0.29	0.15	1.84	0.28	0.33	1.46	0.35	0.07	
		0.14	0.02		0.11	0.03		0.10	0.01	
C2ET8P	2.13	-0.04	2.20	1.73	0.00	2.51	1.33	-0.10	2.67	
		-0.02	0.23		0.00	0.23		-0.03	0.23	
EPDALE	2.17	0.03	0.11	1.71	-0.05	0.55	1.37	0.02	0.48	
		0.02	0.01		-0.02	0.05		0.01	0.04	
LQ2XXG	2.10	-0.12	0.63	1.76	0.08	0.33	1.35	-0.04	0.42	
		-0.06	0.07		0.03	0.03		-0.01	0.04	
FVERDC	0.03	-4.51	0.05	0.02	-4.54	0.01	0.01	-4.63	0.02	
		-2.12	0.01		-1.71	0.00		-1.35	0.00	
Grand Median		2.15			1.73			1.36		
Median Abs Dev		0.04			0.03			0.03		
Avg Within Lab SD		0.11			0.09			0.09		
Labs Included		8			8			8		
Labs Reporting		8			8			8		



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

CO3 (SubTestCode 312)	in the Anions Property Groups						Data units: mmolc/L
	SRWSRW1407	SRWSRW1408	SRWSRW1409				
6VRW4Y	0.06						
		0.78					
		0.01					
L4N8L8	0.09						
		1.18					
		0.01					
Grand Median	0.075						
Median Abs Dev							
Avg Within Lab SD	0.008	0.00	0.00				
Labs Included	2	0	0				
Labs Reporting	2	0	0				



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

CI (SubTestCode 313)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	2.82	-0.10	0.00	0.32	0.36	0.00	0.06	-0.07	0.00	
		-0.04	0.00		0.12	0.00		-0.02	0.00	
6VRW4Y	2.65	-0.58	1.24	0.11	-0.29	0.16	0.03	-0.16		
		-0.20	0.10		-0.09	0.00		-0.05	0.00	
JXQR6N	2.59	-0.75	1.34	0.20	-0.01	0.28	0.10	0.07	0.23	
		-0.26	0.11		0.00	0.01		0.02	0.01	
JWV7DH	3.15	0.84	1.22	0.19	-0.06	0.73	0.23	0.47	1.05	
		0.30	0.10		-0.02	0.02		0.15	0.03	
C2ET8P	2.89	0.10	1.07	0.21	0.01	1.20	0.04	-0.11	1.21	
		0.04	0.09		0.00	0.03		-0.04	0.03	
EPDALE	3.01	0.45	0.67	0.21	0.01	0.26	0.04	-0.12	0.00	
		0.16	0.06		0.00	0.01		-0.04	0.00	
LQ2XXG	2.76	-0.26	0.07	0.12	-0.25	0.28				
		-0.09	0.01		-0.08	0.01				
K88ZXA	3.14	0.81	0.28	0.40	0.59	0.37	0.23	0.46	0.44	
		0.28	0.02		0.19	0.01		0.15	0.01	
2PWFGW	2.77	-0.24	0.04	0.14	-0.20	0.09				
		-0.08	0.00		-0.06	0.00				
FVERDC	3.77	2.61	1.87	1.83	4.99	2.76	1.33	3.92	2.28	
		0.91	0.15		1.63	0.06		1.25	0.06	
Grand Median		2.86			0.21			0.080		
Median Abs Dev		0.18			0.07			0.044		
Avg Within Lab SD		0.08			0.02			0.025		
Labs Included		10			10			8		
Labs Reporting		10			10			8		



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

NO3 (SubTestCode 314)			in the Anions Property Groups						Data units: mmolc/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409		
RVVXMC	0.031	0.028	0.000	0.034	0.000	0.000	0.013	-0.098	0.149
		0.002	0.000		0.000	0.000		-0.002	0.001
6VRW4Y	0.021	-0.095	0.000	0.021	-0.186	0.000	0.007	-0.363	0.000
		-0.007	0.000		-0.013	0.000		-0.008	0.000
JXQR6N	0.103	0.960	1.499	0.077	0.630	2.415	0.057	2.017	2.690
		0.075	0.015		0.043	0.021		0.042	0.021
JWV7DH	0.260	2.978	2.597	0.363	4.861	1.772	0.070	2.658	1.292
		0.231	0.026		0.329	0.015		0.055	0.010
C2ET8P	0.016	-0.161	0.150	0.020	-0.212	0.067	0.005	-0.482	0.149
		-0.013	0.002		-0.014	0.001		-0.010	0.001
EPDALE	0.027	-0.028	0.113	0.034	0.001	0.044	0.015	0.000	0.116
		-0.002	0.001		0.000	0.000		0.000	0.001
LQ2XXG	0.026	-0.037	0.000	0.033	-0.010	0.134	0.015	0.014	0.129
		-0.003	0.000		-0.001	0.001		0.000	0.001
K88ZXA	0.046	0.221	0.098	0.043	0.133	0.000	0.022	0.351	0.129
		0.017	0.001		0.009	0.000		0.007	0.001
2PWFGW	0.026	-0.031	0.012	0.031	-0.039	0.041	0.013	-0.088	0.014
		-0.002	0.000		-0.003	0.000		-0.002	0.000
FVERDC	0.200	2.205	0.982						
		0.171	0.010						
Grand Median		0.029		0.034			0.015		
Median Abs Dev		0.010		0.009			0.007		
Avg Within Lab SD		0.010		0.009			0.008		
Labs Included		10		9			9		
Labs Reporting		10		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		

SO4 (SubTestCode 315)	in the Anions Property Groups									Data units: mmolc/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	1.81	0.00	0.00	2.75	-0.02	0.37	0.13	-0.08	0.08	
		0.00	0.00		-0.02	0.03		0.00	0.00	
6VRW4Y	1.71	-0.22	0.98	2.62	-0.20	0.91	0.12	-0.15	0.00	
		-0.11	0.04		-0.15	0.06		-0.01	0.00	
JXQR6N	1.91	0.19	2.35	2.89	0.16	2.45	0.14	0.19	2.84	
		0.10	0.09		0.12	0.17		0.01	0.06	
JWV7DH	1.92	0.23	0.69	2.99	0.29	1.18	0.14	0.29	0.50	
		0.11	0.03		0.22	0.08		0.01	0.01	
C2ET8P	1.69	-0.26	0.96	2.61	-0.21	0.30	0.08	-1.56	0.76	
		-0.12	0.04		-0.16	0.02		-0.05	0.02	
EPDALE	2.20	0.79	0.27	3.42	0.87	0.88	0.14	0.29	0.17	
		0.39	0.01		0.65	0.06		0.01	0.00	
LQ2XXG	1.81	0.00	0.27	2.78	0.02	0.08	0.13	0.00	0.00	
		0.00	0.01		0.02	0.01		0.00	0.00	
K88ZXA	0.24	-3.21	0.14	0.38	-3.17	0.13	0.01	-3.39	0.00	
		-1.57	0.01		-2.39	0.01		-0.12	0.00	
L4N8L8	0.95	-1.77	0.69	1.48	-1.71	0.75				
		-0.86	0.03		-1.29	0.05				
FVERDC	1.85	0.07	1.23	2.84	0.10	0.44	0.13	0.11	0.27	
		0.04	0.05		0.07	0.03		0.00	0.01	
Grand Median		1.81			2.77			0.13		
Median Abs Dev		0.11			0.15			0.01		
Avg Within Lab SD		0.04			0.07			0.02		
Labs Included		10			10			9		
Labs Reporting		10			10			9		



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

Sum Anions (SubTestCode 316)	in the Anions Property Groups									Data units: mmol/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	6.81	0.15	0.00	4.84	0.43	0.22	1.60	1.31	0.03	
		0.06	0.00		0.11	0.03		0.08	0.00	
6VRW4Y	6.78	0.06	1.25	4.63	-0.35	1.45	1.53	0.31	0.58	
		0.02	0.19		-0.09	0.16		0.02	0.05	
C2ET8P	6.73	-0.06	1.95	4.57	-0.61	1.75	1.46	-0.96	2.21	
		-0.02	0.29		-0.16	0.20		-0.06	0.19	
EPDALE	7.41	1.65	0.48	5.38	2.49	0.79	1.56	0.78	0.43	
		0.65	0.07		0.65	0.09		0.05	0.04	
LQ2XXG	6.70	-0.14	0.50	4.70	-0.08	0.27	1.50	-0.31	0.40	
		-0.06	0.08		-0.02	0.03		-0.02	0.04	
FVERDC	5.97	-1.98	0.37	4.75	0.08	0.34	1.49	-0.37	0.66	
		-0.79	0.06		0.02	0.04		-0.02	0.06	
Grand Median		6.75			4.73			1.52		
Median Abs Dev		0.06			0.10			0.04		
Avg Within Lab SD		0.15			0.11			0.09		
Labs Included		6			6			6		
Labs Reporting		6			6			6		



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

	Cation-Anion Difference (SubTestCode 317) SRWSRW1407			in the Difference Calculation Property Groups SRWSRW1408			SRWSRW1409			Data units:
RVVXMC	0.08	0.00	0.97	0.05	-0.94	0.48	0.01	-0.43	0.12	
		0.00	0.09		-0.15	0.06		-0.08	0.01	
6VRW4Y	-0.10	-1.38	1.01	-0.06	-1.63	0.68	-0.02	-0.60	0.38	
		-0.19	0.09		-0.25	0.08		-0.11	0.03	
EPDALE	0.10	0.16	0.63	0.20	0.09	1.20	0.31	1.20	1.67	
		0.02	0.06		0.01	0.14		0.22	0.13	
LQ2XXG	-0.05	-0.96	1.16	0.19	0.00	0.36	0.09	0.00	0.54	
		-0.13	0.10		0.00	0.04		0.00	0.04	
FVERDC	0.20	0.88	1.14	0.30	0.71	1.66	0.30	1.15	1.33	
		0.12	0.10		0.11	0.20		0.21	0.10	
Grand Median		0.082			0.19			0.087		
Median Abs Dev		0.118			0.11			0.111		
Avg Within Lab SD		0.088			0.12			0.075		
Labs Included		5			5			5		
Labs Reporting		5			5			5		



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

Boron (SubTestCode 318)	in the Other Property Groups									Data units: mg/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409			
RVVXMC	0.082	-0.916	0.000	0.004	-0.831	0.000	0.001	-1.205	0.000	
		-0.015	0.000		-0.009	0.000		-0.014	0.000	
6VRW4Y	0.100	0.208	0.000	0.013	0.000	1.638	0.020	0.431		
		0.003	0.000		0.000	0.006		0.005	0.000	
JWV7DH	0.097	0.000	0.779	0.013	0.000	1.638	0.010	-0.431	0.000	
		0.000	0.006		0.000	0.006		-0.005	0.000	
C2ET8P	0.083	-0.833	2.060	0.020	0.594	0.000	0.020	0.431	0.000	
		-0.013	0.015		0.007	0.000		0.005	0.000	
EPDALE	0.097	0.000	0.779	0.020	0.594	0.000	0.010	-0.431	0.000	
		0.000	0.006		0.007	0.000		-0.005	0.000	
LQ2XXG	0.090	-0.416	0.000	0.010	-0.297	0.000				
		-0.007	0.000		-0.003	0.000				
2PWFGW	0.098	0.067	0.119							
		0.001	0.001							
FVERDC	0.144	2.956	1.590	0.040	2.405	1.279	0.028	1.119	2.449	
		0.047	0.012		0.027	0.005		0.013	0.002	
Grand Median		0.10			0.013			0.015		
Median Abs Dev		0.01			0.007			0.005		
Avg Within Lab SD		0.01			0.004			0.001		
Labs Included		8			7			6		
Labs Reporting		8			7			6		



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

PO4-P Phosphorus - Spec (SubTestCode 319)	in the Other Property Groups						Data units: mg/L
SRWSRW1407	SRWSRW1408			SRWSRW1409			
6VRW4Y	0.083	1.413	0.070	1.414	0.060	1.000	
		0.006		0.035		0.035	
2PWFGW	0.016	0.059	0.035	0.016			
		0.000		0.000			
Grand Median	0.050		0.053		0.060		
Median Abs Dev							
Avg Within Lab SD	0.004		0.024		0.035		
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		

Phosphorus - ICP (Total) (SubTestCode 320)	in the Other Property Groups						Data units: mg/L
	SRWSRW1407			SRWSRW1408			SRWSRW1409
RVVXMC	0.019	-0.035	0.010	0.037	-0.192	0.092	0.001 0.000
		-0.002	0.001		-0.007	0.003	0.000
EPDALE	0.170	2.573	1.991	0.117	2.107	1.998	0.337 1.732
		0.149	0.120		0.073	0.067	0.275
LQ2XXG	0.023	0.035	0.192	0.050	0.192	0.000	0.010 0.000
		0.002	0.012		0.007	0.000	0.000
2PWFGW	0.018	-0.056		0.036	-0.208	0.007	
		-0.003	0.000		-0.007	0.000	
Grand Median		0.021			0.043		0.010
Median Abs Dev		0.003			0.007		
Avg Within Lab SD		0.060			0.033		0.159
Labs Included		4			4		3
Labs Reporting		4			4		3



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



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