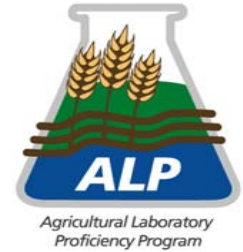


ALP Program

Participant Web Summary Report

2009 Round #8



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 - Demonstration Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Spring 2009 Round was completed May 21, 2009, with results provided by fifty-three labs from the United States, Canada, Guatemala and South Africa. 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 and environmental programs were collected from: Ashton, ID; Mesilla, NM; Woolstock, IA; Chesterfield County VA; and Veedersburg, IN. Soil textures ranging from sandy loam to clay loam. Standard Reference Botanical (SRB) materials were: corn stalk, potato petioles and orchard grass. Standard Reference Water (SRW) solutions represent agriculture water collected from Colorado and Wyoming.

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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111	Predistribution Homogeneity Analysis



Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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

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

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

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



Key to Data Tables

Laboratory Results

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

Consensus Results

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

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



Choosing the Statistics Used

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

Why did we decide this?

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

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



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

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SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 Properties

Saturated Paste Moisture (101)			in the Salinity Property Groups						Data units: Percent						
6276	28.0	-1.06 -6.9	0.74 1.0	31.7	-1.07 -4.2	0.55 0.7	36.1	-0.73 -4.4	0.30 0.4	17.9	-1.14 -4.9	0.55 0.6	40.4	-0.60 -2.9	1.99 1.8
6283	31.6	-0.50 -3.2	0.37 0.5	36.1	0.06 0.2	1.63 2.0	38.7	-0.30 -1.8	0.52 0.7	19.4	-0.79 -3.4	0.43 0.5	44.0	0.14 0.7	0.60 0.6
6291	41.0	0.93 6.1	0.29 0.4	38.2	0.60 2.3	0.91 1.1	53.6	2.17 13.1	1.03 1.4	22.6	-0.05 -0.2	0.43 0.5	52.6	1.90 9.3	1.22 1.1
6306	29.8	-0.77 -5.0	1.05 1.5	33.6	-0.59 -2.3	0.33 0.4	37.3	-0.54 -3.3	1.06 1.5	20.3	-0.58 -2.5	0.52 0.6	42.4	-0.19 -0.9	0.11 0.1
6327	37.9	0.47 3.1	0.22 0.3	38.4	0.65 2.5	0.14 0.2	45.3	0.79 4.7	0.54 0.8	27.9	1.16 5.0	1.07 1.2	45.0	0.34 1.7	0.65 0.6
6330	39.5	0.71 4.6	2.33 3.2	37.2	0.35 1.4	2.47 3.0	41.9	0.23 1.4	2.68 3.7	29.8	1.60 6.9	3.29 3.8	42.9	-0.09 -0.5	1.63 1.5
6334	30.4	-0.68 -4.5	0.56 0.8	28.2	-1.95 -7.6	0.44 0.5	38.5	-0.33 -2.0	1.25 1.7	19.2	-0.84 -3.6	0.55 0.6	38.0	-1.09 -5.4	0.95 0.9
6335	25.3	-1.47 -9.6	0.38 0.5	29.8	-1.54 -6.0	0.83 1.0	34.1	-1.07 -6.4	0.19 0.3	17.4	-1.25 -5.4	0.18 0.2	36.4	-1.41 -6.9	0.60 0.6
6382	40.3	0.84 5.5	1.58 2.2	35.6	-0.06 -0.2	0.62 0.8	41.1	0.09 0.6	1.40 1.9	27.7	1.13 4.9	1.18 1.4	42.3	-0.21 -1.0	0.11 0.1
6401	36.1	0.19 1.2	0.79 1.1	37.0	0.28 1.1	0.57 0.7	47.6	1.17 7.0	0.77 1.1	21.2	-0.39 -1.7	0.58 0.7	51.3	1.63 8.0	1.19 1.1
6407	36.9	0.31 2.0	1.24 1.7	33.4	-0.64 -2.5	1.22 1.5	39.8	-0.12 -0.7	1.29 1.8	24.3	0.34 1.5	0.67 0.8	40.4	-0.60 -2.9	0.33 0.3
6408	46.0	1.71 11.1	1.7	45.3	2.42 9.5	0.47 0.6	58.3	2.95 17.8	0.42 0.6	28.7	1.35 5.8	0.50 0.6	53.3	2.05 10.0	0.63 0.6
6409	33.6	-0.19 -1.2	0.28 0.4	37.4	0.38 1.5	0.39 0.5	40.0	-0.09 -0.6	0.67 0.9	23.9	0.24 1.0	0.33 0.4	43.8	0.09 0.5	0.17 0.2
6516	39.5	0.70 4.6	0.47 0.6	36.6	0.19 0.7	0.46 0.6	41.8	0.22 1.3	0.36 0.5	23.2	0.09 0.4	0.73 0.9	45.8	0.51 2.5	2.07 1.9
6620	31.9	-0.45 -2.9	0.58 0.8	35.0	-0.21 -0.8	1.70 2.1	41.7	0.20 1.2	0.15 0.2	23.1	0.05 0.2	0.92 1.1	44.8	0.31 1.5	0.25 0.2
6626	32.0	-0.44 -2.9	0.47	34.3	-0.39 -1.5	0.47 0.6	38.3	-0.37 -2.2	0.42 0.6	21.7	-0.27 -1.2	0.50 0.6	42.3	-0.20 -1.0	0.63 0.6
6714	36.4	0.23 1.5	1.94 2.7	36.8	0.23 0.9	1.05 1.3	42.6	0.34 2.1	1.04 1.4	23.1	0.06 0.2	0.59 0.7	45.0	0.34 1.7	1.02 0.9
6879	31.6	-0.51 -3.3	1.07 1.5	33.7	-0.54 -2.1	0.33 0.4	37.9	-0.43 -2.6	0.34 0.5	19.4	-0.81 -3.5	0.51 0.6	41.2	-0.44 -2.2	0.35 0.3

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	34.9			35.9			40.5			22.9			43.3		
Median Abs Dev	3.9			1.8			2.1			3.0			1.9		
Avg Within Lab SD	1.4			1.2			1.4			1.2			0.9		
Labs Included	18			18			18			18			18		
Labs Reporting	18			18			18			18			18		

pH - sp (102) in the Salinity Property Groups															
															Data units: Unit
6283	5.00	0.00	0.24	7.71	0.00	0.32	5.64	0.09	0.64	4.95	-0.07	0.29	6.74	-0.09	0.54
		0.00	0.02		0.00	0.05		0.06	0.07		-0.05	0.04		-0.03	0.05
6291	7.35	3.37	0.15	7.95	0.57	0.00	7.45	2.81	0.05	7.34	2.86	0.27	7.69	2.90	0.00
		2.35	0.01		0.24	0.00		1.88	0.01		2.34	0.03		0.92	0.00
6306	5.10	0.13	0.24	7.92	0.49	0.09	5.57	0.00	0.20	5.06	0.07	0.36	6.95	0.57	0.16
		0.09	0.02		0.21	0.02		0.00	0.02		0.06	0.04		0.18	0.02
6327	6.43	2.06	2.35	7.57	-0.34	0.35	6.17	0.89	0.50	6.33	1.63	0.48	6.83	0.21	0.61
		1.43	0.15		-0.14	0.06		0.59	0.06		1.33	0.06		0.07	0.06
6334	5.12	0.16	0.24	7.97	0.61	0.03	5.76	0.27	0.45	5.12	0.15	0.05	6.95	0.57	0.26
		0.11	0.02		0.26	0.01		0.18	0.05		0.12	0.01		0.18	0.03
6335	4.63	-0.53	0.89	7.57	-0.34	0.35	5.17	-0.61	0.50	4.63	-0.45	0.48	6.47	-0.94	0.61
		-0.37	0.06		-0.14	0.06		-0.41	0.06		-0.37	0.06		-0.30	0.06
6382	4.80	-0.30	1.54	7.47	-0.56	0.66	5.13	-0.66	0.66	4.70	-0.37	1.37	6.31	-1.43	3.02
		-0.21	0.10		-0.24	0.11		-0.44	0.08		-0.30	0.16		-0.45	0.29
6383	6.34	1.93	1.03	5.31	-5.71	0.54	7.83	3.38	0.86	7.46	3.01	1.27	7.13	1.13	0.68
		1.34	0.07		-2.40	0.09		2.26	0.10		2.46	0.15		0.36	0.06
6401	5.23	0.33	0.89	7.63	-0.18	0.35	5.53	-0.06	0.50	4.83	-0.20	0.48	6.60	-0.52	0.00
		0.23	0.06		-0.08	0.06		-0.04	0.06		-0.17	0.06		-0.17	0.00
6407	4.90	-0.15	0.00	7.80	0.21	0.00	5.20	-0.56	1.51	5.00	0.00		6.70	-0.21	0.00
		-0.10	0.00		0.09	0.00		-0.37	0.17		0.00			-0.07	0.00
6408	5.00	0.00		7.94	0.55	0.16	5.59	0.02	0.10	4.81	-0.23	0.29	6.57	-0.62	0.28
		0.00			0.23	0.03		0.01	0.01		-0.19	0.03		-0.20	0.03
6409	4.97	-0.05	0.89	7.90	0.45	0.00	5.53	-0.06	0.50	5.10	0.12	0.00	6.80	0.10	0.00
		-0.04	0.06		0.19	0.00		-0.04	0.06		0.10	0.00		0.03	0.00
6516	6.06	1.52	1.96	7.49	-0.53	3.90	6.42	1.27	1.56	6.16	1.42	2.84	7.08	1.00	1.63
		1.06	0.13		-0.22	0.65		0.85	0.18		1.16	0.34		0.32	0.16
6620	4.85	-0.22	1.17	7.60	-0.26	0.51	5.34	-0.34	1.49	4.69	-0.38	1.97	6.51	-0.80	1.61
		-0.15	0.08		-0.11	0.09		-0.23	0.17		-0.31	0.24		-0.25	0.15
6626	5.20	0.28	0.15	7.55	-0.38	0.10	5.68	0.16	0.22	5.22	0.26	0.24	6.67	-0.29	0.26
		0.20	0.01		-0.16	0.02		0.11	0.03		0.22	0.03		-0.09	0.03
6780	4.91	-0.13	0.47	7.81	0.23	0.40	5.50	-0.11	2.63	4.97	-0.03	0.48	6.79	0.08	0.72
		-0.09	0.03		0.10	0.07		-0.08	0.30		-0.03	0.06		0.03	0.07
6879	4.80	-0.29	0.00	7.73	0.06	0.35	5.47	-0.16	0.50	4.83	-0.20	0.48	6.77	0.00	0.61
		-0.20	0.00		0.02	0.06		-0.11	0.06		-0.17	0.06		0.00	0.06

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	5.00			7.71			5.57			5.00			6.77		
Median Abs Dev	0.20			0.16			0.18			0.19			0.18		
Avg Within Lab SD	0.06			0.17			0.11			0.12			0.10		
Labs Included	17			17			17			17			17		
Labs Reporting	17			17			17			17			17		

ECe - sp (103)			in the Salinity Property Groups										Data units: dS/m		
6276	0.60	0.18	0.62	1.62	0.10	0.47	0.18	-0.14	0.11	0.39	0.63	0.73	0.81	0.32	0.79
		0.04	0.04		0.03	0.03		-0.03	0.02		0.07	0.03		0.05	0.04
6283	0.55	-0.02	0.29	1.38	-0.60	0.76	0.25	0.13	0.22	0.32	0.00	0.53	0.75	-0.08	1.14
		-0.01	0.02		-0.20	0.05		0.03	0.04		0.00	0.02		-0.01	0.05
6291	1.66	4.55	0.25	2.40	2.44	1.37	0.17	-0.18	0.02	0.38	0.56	0.49	0.50	-1.83	0.17
		1.11	0.02		0.82	0.10		-0.04	0.00		0.06	0.02		-0.26	0.01
6306	0.45	-0.44	0.36	1.43	-0.46	0.58	0.22	0.03	0.05	0.33	0.10	1.19	0.74	-0.16	1.26
		-0.11	0.02		-0.15	0.04		0.01	0.01		0.01	0.05		-0.02	0.06
6327	0.50	-0.21	0.08	1.34	-0.72	0.52	0.20	-0.07	0.06	0.25	-0.66	0.39	0.76	0.01	0.66
		-0.05	0.01		-0.24	0.04		-0.02	0.01		-0.07	0.02		0.00	0.03
6330	0.53	-0.09	0.44	1.61	0.08	1.23	0.26	0.20	0.07	0.32	0.00	0.29	0.82	0.41	1.55
		-0.02	0.03		0.03	0.09		0.05	0.01		0.00	0.01		0.06	0.07
6334	0.37	-0.76	0.14	0.95	-1.88	0.00	0.14	-0.32	0.06	0.21	-1.04	0.15	0.52	-1.67	0.45
		-0.19	0.01		-0.63	0.00		-0.08	0.01		-0.11	0.01		-0.24	0.02
6335	0.75	0.79	0.36	1.71	0.38	0.38	0.29	0.29	0.04	0.36	0.35	0.25	1.14	2.63	0.81
		0.19	0.03		0.13	0.03		0.07	0.01		0.04	0.01		0.38	0.04
6382	0.50	-0.22	0.75	1.35	-0.70	1.05	0.21	-0.02	0.12	0.23	-0.91	0.27	0.77	0.09	1.02
		-0.05	0.05		-0.24	0.07		-0.01	0.02		-0.10	0.01		0.01	0.05
6383	1.64	4.48	2.18	0.73	-2.53	1.42	2.18	8.22	1.59	0.80	4.55	2.55	0.76	-0.01	1.97
		1.09	0.15		-0.85	0.10		1.96	0.25		0.48	0.10		0.00	0.09
6401	0.59	0.16	0.22	1.82	0.72	1.12	0.22	0.01	0.19	0.41	0.85	0.59	0.69	-0.50	1.31
		0.04	0.02		0.24	0.08		0.00	0.03		0.09	0.02		-0.07	0.06
6407	0.75	0.79	3.64	1.68	0.29	0.88	0.29	0.31	0.43	0.29	-0.35	0.96	0.91	1.06	0.33
		0.19	0.25		0.10	0.06		0.07	0.07		-0.04	0.04		0.15	0.02
6408	0.55	-0.03	0.16	1.57	-0.04	0.93	0.34	0.53	0.11	0.31	-0.13	0.21	0.97	1.45	0.39
		-0.01	0.01		-0.01	0.06		0.13	0.02		-0.01	0.01		0.21	0.02
6409	0.56	0.02	0.00	1.50	-0.24		0.19	-0.13	0.04	0.32	-0.06	0.15	0.78	0.13	0.00
		0.01	0.00		-0.08			-0.03	0.01		-0.01	0.01		0.02	0.00
6516	0.50	-0.23	0.21	1.41	-0.50	2.57	0.21	-0.01	0.24	0.23	-0.85	0.93	0.66	-0.70	1.57
		-0.05	0.01		-0.17	0.18		0.00	0.04		-0.09	0.04		-0.10	0.07
6620	0.52	-0.14	0.29	1.35	-0.68	0.96	0.15	-0.29	0.24	0.30	-0.25	1.70	0.57	-1.32	1.22
		-0.04	0.02		-0.23	0.07		-0.07	0.04		-0.03	0.07		-0.19	0.06
6626	0.58	0.12	0.08	1.76	0.54	0.46	0.20	-0.07	0.06	0.37	0.47	0.29	0.72	-0.27	0.54
		0.03	0.01		0.18	0.03		-0.02	0.01		0.05	0.01		-0.04	0.03

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6714	0.54	-0.08	0.17	1.60	0.04	0.28	0.23	0.07	0.05	0.29	-0.27	0.32	0.82	0.40	0.38
6780	0.59	-0.02	0.01	1.72	0.01	0.02	0.76	0.02	0.01	0.47	-0.03	0.01	0.79	0.06	0.02
6879	0.56	0.13	0.44	1.61	0.41	1.09	0.17	2.28	4.12	0.33	1.36	2.31	0.72	0.18	1.19
		0.03	0.03		0.14	0.08		0.54	0.66		0.14	0.09		0.03	0.06
		0.03	0.22		0.09	0.17		-0.19	0.06		0.09	0.15		-0.27	0.12
		0.01	0.02		0.03	0.01		-0.05	0.01		0.01	0.01		-0.04	0.01
Grand Median		0.56			1.58			0.22			0.32			0.76	
Median Abs Dev		0.04			0.16			0.04			0.04			0.05	
Avg Within Lab SD		0.07			0.07			0.16			0.04			0.05	
Labs Included		20			20			20			20			20	
Labs Reporting		20			20			20			20			20	

HCO3 -sp (104) in the Salinity Property Groups															
Data units: mmole/L															
6276	0.45	0.39	0.85	4.52	0.74	0.53	0.93	0.88	0.86	1.07	1.39	2.32	2.12	0.74	0.96
6306	0.32	0.13	0.13	2.45	1.91	0.15	0.32	0.40	0.10	0.32	0.55	0.46	0.96	1.03	0.13
6327	0.15	0.00	0.00	2.38	-0.06	1.31	0.35	-0.47	0.00	0.18	-0.51	0.00	1.03	-0.09	0.00
6330	0.53	-0.53	0.00	1.77	-0.15	0.37	1.03	-0.21	0.00	1.00	-0.20	0.00	1.03	-0.13	0.00
6334	0.83	-0.17	0.00	3.20	-0.09	0.38	0.98	-0.40	0.00	0.75	-0.88	0.18	1.90	-0.05	0.25
6335	0.30	0.66	1.60	2.60	-0.23	0.11	0.46	-0.18	0.00	0.51	-0.35	0.04	1.09	-0.07	0.04
6382	0.20	0.21	0.25	1.60	-0.32	0.74	0.27	1.12	2.11	0.20	1.21	1.74	0.47	-0.04	0.83
6407	0.93	0.21	0.48	1.85	-0.84	0.21	0.32	0.50	0.25	0.87	0.48	0.35	0.64	-0.06	0.12
6409	0.26	1.57	0.48	6.50	0.23	0.87	0.53	1.01	1.02	0.35	0.57	0.35	2.95	0.58	0.36
6626	0.80	0.51	0.08	8.67	0.59	0.25	1.50	0.45	0.12	0.87	0.23	0.58	4.13	0.81	0.05
6879	0.23	-0.05	0.16	6.37	0.00	0.11	0.60	-0.16	0.15	0.53	-0.03	0.06	3.34	0.00	0.14
		-0.02	0.03		0.00	0.03		-0.07	0.02		-0.01	0.01		0.00	0.02
		-0.37	0.00		-0.39	0.71		-0.59	0.97		-0.82	0.00		-0.45	0.83
		-0.12	0.00		-1.00	0.20		-0.26	0.12		-0.32	0.00		-0.62	0.12
		1.88	2.73		-0.29	1.37		-0.48	0.65					-0.32	0.95
		0.61	0.43		-0.76	0.39		-0.21	0.08					-0.45	0.13
		-0.20	0.16		1.50	0.67		0.00	0.85		-0.44	0.31		1.34	2.02
		-0.06	0.03		3.90	0.19		0.00	0.10		-0.17	0.06		1.86	0.28
		1.49	0.00		2.34	2.16		2.16	1.45		0.87	0.58		2.19	1.65
		0.48	0.00		6.06	0.61		0.97	0.17		0.34	0.12		3.04	0.23
		-0.29	0.07		1.46	0.14		0.16	0.73		0.03	1.05		1.62	0.89
		-0.09	0.01		3.77	0.04		0.07	0.09		0.01	0.21		2.25	0.13
Grand Median		0.32			2.60			0.53			0.52			1.09	
Median Abs Dev		0.13			0.84			0.21			0.28			0.62	
Avg Within Lab SD		0.16			0.28			0.12			0.20			0.14	
Labs Included		11			11			11			10			11	
Labs Reporting		11			11			11			10			11	

ALP Program - Participant Web Summary Report - Cycle 08



SRS0901

Sample Mean Z Score k Score
Difference W/L STD

SRS0902

Sample Mean Z Score k Score
Difference W/L STD

SRS0903

Sample Mean Z Score k Score
Difference W/L STD

SRS0904

Sample Mean Z Score k Score
Difference W/L STD

SRS0905

Sample Mean Z Score k Score
Difference W/L STD

Ca - sp (105)

in the Salinity Property Groups

Data units: mmole/L

6276	1.01	0.12	0.73	5.36	0.25	0.27	1.11	-0.20	1.42	0.48	0.71	1.32	4.49	0.36	0.54
		0.04	0.13		0.27	0.08		-0.07	0.14		0.15	0.10		0.22	0.17
6283	0.79	-0.54	0.19	4.42	-0.62	0.84	1.09	-0.27	2.45	0.15	-0.87	0.00	3.92	-0.56	0.91
		-0.19	0.03		-0.67	0.24		-0.10	0.25		-0.18	0.00		-0.35	0.29
6306	0.77	-0.58	0.19	4.63	-0.42	0.21	1.18	-0.01	0.57	0.38	0.22	0.57	3.77	-0.80	1.38
		-0.20	0.03		-0.45	0.06		-0.01	0.06		0.05	0.05		-0.50	0.44
6327	0.89	-0.24	0.12	4.75	-0.32	0.83	1.28	0.28	0.25	0.28	-0.27	0.15	4.30	0.05	0.49
		-0.08	0.02		-0.34	0.24		0.10	0.03		-0.06	0.01		0.03	0.16
6330	1.21	0.68	0.53	5.12	0.03	1.41	1.68	1.39	1.03	0.43	0.45	1.32	4.82	0.89	2.41
		0.24	0.09		0.03	0.40		0.50	0.10		0.09	0.10		0.55	0.77
6334	1.00	0.08	0.58	4.78	-0.28	0.44	0.94	-0.69	0.52	0.43	0.48	0.37	4.23	-0.05	0.63
		0.03	0.10		-0.30	0.13		-0.24	0.05		0.10	0.03		-0.03	0.20
6335	1.61	1.85	0.32	8.49	3.19	0.31	1.64	1.27	0.62	0.79	2.17	0.19	6.25	3.20	1.46
		0.64	0.06		3.40	0.09		0.46	0.06		0.45	0.02		1.99	0.46
6382	0.94	-0.08	0.88	4.88	-0.19	0.10	1.36	0.50	1.08	0.27	-0.32	0.73	4.45	0.30	0.40
		-0.03	0.15		-0.20	0.03		0.18	0.11		-0.07	0.06		0.19	0.13
6401	1.17	0.59	0.03	7.03	1.82	2.75	1.05	-0.38	0.69	0.49	0.73	2.02	4.03	-0.38	0.78
		0.20	0.01		1.95	0.79		-0.13	0.07		0.15	0.16		-0.23	0.25
6407	1.21	0.70	3.45	5.06	-0.03	1.41	1.43	0.69	1.51	0.28	-0.27	1.46	4.46	0.31	0.45
		0.24	0.59		-0.03	0.40		0.25	0.15		-0.06	0.12		0.19	0.14
6408	0.62	-1.04	0.34	5.17	0.08	1.05	1.66	1.34	1.03	0.30	-0.16		5.37	1.78	0.36
		-0.36	0.06		0.09	0.30		0.48	0.10		-0.03			1.11	0.11
6409	0.92	-0.16	0.17	5.49	0.38	0.00	0.90	-0.80	0.86	0.26	-0.36	0.19	4.17	-0.15	0.77
		-0.06	0.03		0.40	0.00		-0.28	0.09		-0.08	0.02		-0.09	0.25
6516	0.85	-0.35	0.92	4.57	-0.48	0.44	1.43	0.69	0.62	0.21	-0.59	0.30	4.19	-0.13	0.47
		-0.12	0.16		-0.51	0.12		0.24	0.06		-0.12	0.02		-0.08	0.15
6620	1.19	0.64	1.47	5.75	0.62	1.32	1.05	-0.39	1.16	0.75	1.98	2.56	3.94	-0.53	1.95
		0.22	0.25		0.66	0.38		-0.14	0.12		0.41	0.20		-0.33	0.62
6626	1.23	0.76	0.89	6.77	1.57	0.81	0.97	-0.61	0.57	0.37	0.16	0.73	4.33	0.11	0.48
		0.26	0.15		1.68	0.23		-0.22	0.06		0.03	0.06		0.07	0.15
6664	0.27	-2.04		4.93	-0.15		1.19	0.01		0.16	-0.83		3.55	-1.16	
		-0.70			-0.16			0.01			-0.17			-0.72	
6714	0.63	-0.99	0.17	4.69	-0.37	0.97	0.38	-2.25	0.28	0.10	-1.11	0.00	4.03	-0.39	0.63
		-0.34	0.03		-0.40	0.28		-0.80	0.03		-0.23	0.00		-0.24	0.20
6879	1.21	0.70	0.03	6.51	1.33	0.09	1.32	0.39	0.06	0.43	0.46	0.00	4.88	0.99	0.16
		0.24	0.01		1.42	0.03		0.14	0.01		0.10	0.00		0.61	0.05

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	0.97			5.09			1.18			0.33			4.27		
Median Abs Dev	0.21			0.40			0.20			0.10			0.24		
Avg Within Lab SD	0.17			0.29			0.10			0.08			0.32		
Labs Included	18			18			18			18			18		
Labs Reporting	18			18			18			18			18		

Mg - sp (106)		in the Salinity Property Groups										Data units: mmol/L			
6276	0.30	0.00	0.60	2.25	0.03	0.25	0.47	-0.66	0.73	0.22	0.39	0.74	2.30	0.11	0.58
		0.00	0.05		0.02	0.05		-0.12	0.05		0.04	0.05		0.05	0.08
6283	0.20	-0.52	0.33	1.75	-0.74	0.67	0.46	-0.71	1.46	0.08	-1.14	0.16	1.94	-0.68	1.18
		-0.10	0.03		-0.48	0.13		-0.13	0.09		-0.10	0.01		-0.31	0.17
6306	0.23	-0.39	0.02	1.76	-0.71	0.25	0.43	-0.85	0.19	0.15	-0.41	0.10	1.70	-1.22	1.26
		-0.08	0.00		-0.46	0.05		-0.15	0.01		-0.04	0.01		-0.56	0.18
6327	0.29	-0.04	0.19	1.98	-0.38	0.74	0.58	-0.01	0.41	0.15	-0.37	0.00	2.24	-0.03	0.60
		-0.01	0.02		-0.25	0.14		0.00	0.03		-0.03	0.00		-0.02	0.09
6330	1.13	4.23	2.03	2.35	0.19	0.84	0.91	1.88	2.09	0.24	0.65	0.59	2.18	-0.16	0.50
		0.83	0.16		0.12	0.16		0.33	0.14		0.06	0.04		-0.07	0.07
6334	0.29	-0.06	0.45	2.21	-0.03	0.21	0.38	-1.17	0.63	0.21	0.25	0.63	2.13	-0.26	0.89
		-0.01	0.04		-0.02	0.04		-0.21	0.04		0.02	0.04		-0.12	0.13
6335	0.46	0.79	0.07	3.58	2.08	0.14	0.71	0.71	0.32	0.23	0.54	0.18	3.18	2.02	0.64
		0.15	0.01		1.35	0.03		0.12	0.02		0.05	0.01		0.93	0.09
6382	0.26	-0.21	0.67	2.05	-0.28	0.26	0.61	0.18	0.36	0.10	-0.96	0.09	2.34	0.19	1.02
		-0.04	0.05		-0.18	0.05		0.03	0.02		-0.09	0.01		0.09	0.14
6401	0.47	0.86	0.25	3.10	1.35	2.25	0.60	0.12	2.37	0.30	1.28	1.24	2.07	-0.40	1.20
		0.17	0.02		0.88	0.43		0.02	0.15		0.12	0.08		-0.19	0.17
6407	0.46	0.79	2.43	2.19	-0.05	1.08	0.65	0.38	1.13	0.18	0.00	1.41	2.41	0.35	0.67
		0.15	0.19		-0.03	0.21		0.07	0.07		0.00	0.09		0.16	0.10
6408				2.10	-0.19	0.25	0.71	0.73	0.73				2.51	0.57	0.34
					-0.12	0.05		0.13	0.05					0.26	0.05
6409	0.18	-0.62	0.13	2.14	-0.14	0.00	0.33	-1.43	1.08	0.16	-0.26		2.03	-0.48	0.37
		-0.12	0.01		-0.09	0.00		-0.25	0.07		-0.02			-0.22	0.05
6516	0.22	-0.40	0.22	1.96	-0.41	0.22	0.58	0.01	0.22	0.12	-0.73	0.14	2.12	-0.29	0.60
		-0.08	0.02		-0.27	0.04		0.00	0.01		-0.07	0.01		-0.13	0.08
6620	0.55	1.25	2.20	2.60	0.57	1.69	0.48	-0.60	0.39	0.43	2.70	3.36	2.08	-0.38	1.88
		0.24	0.17		0.37	0.32		-0.11	0.03		0.25	0.22		-0.18	0.27
6626	0.33	0.16	0.73	3.00	1.19	0.91	0.47	-0.66	0.89	0.23	0.54	0.90	2.27	0.03	0.41
		0.03	0.06		0.77	0.17		-0.12	0.06		0.05	0.06		0.02	0.06
6664	0.23	-0.37		2.50	0.42		0.72	0.78		0.12	-0.70		2.41	0.35	
		-0.07			0.27			0.14			-0.06			0.16	
6714	0.44	0.70	0.60	4.00	2.73	2.45	0.77	1.06	0.73	0.16	-0.21	0.00	4.17	4.20	2.36
		0.14	0.05		1.78	0.47		0.19	0.05		-0.02	0.00		1.92	0.33

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6879	0.32	0.08 0.01	0.07 0.01	2.65	0.65 0.42	0.05 0.01	0.55	-0.20 -0.04	0.09 0.01	0.21	0.32 0.03	0.09 0.01	2.43	0.40 0.18	0.15 0.02
Grand Median		0.30		2.23			0.58			0.18			2.25		
Median Abs Dev		0.08		0.27			0.12			0.05			0.17		
Avg Within Lab SD		0.08		0.19			0.06			0.06			0.14		
Labs Included		17		18			18			17			18		
Labs Reporting		17		18			18			17			18		

Na - sp (107) in the Salinity Property Groups															
													Data units: mmole/L		
6276	0.99	0.19 0.06	0.53 0.18	7.02	0.50 0.63	0.84 0.25	0.28	-0.40 -0.12	0.14 0.03	0.75	0.24 0.06	1.91 0.25	0.35	-0.68 -0.13	0.33 0.04
6283	0.92	-0.01 0.00	0.05 0.02	5.79	-0.47 -0.59	0.36 0.11	0.73	1.08 0.33	0.41 0.07	0.91	0.86 0.22	0.38 0.05	0.67	1.02 0.19	0.41 0.05
6306	0.73	-0.58 -0.19	1.69 0.57	6.46	0.06 0.08	0.84 0.26	0.44	0.11 0.04	0.44 0.08	0.80	0.44 0.11	1.67 0.22	0.49	0.05 0.01	1.18 0.15
6327	0.82	-0.31 -0.10	0.73 0.24	6.05	-0.27 -0.34	2.33 0.71	0.12	-0.89 -0.28	0.47 0.08	0.42	-1.04 -0.27	0.59 0.08	0.27	-1.09 -0.21	0.68 0.09
6330	1.19	0.80 0.26	0.56 0.19	5.42	-0.77 -0.97	1.29 0.39	1.26	2.77 0.86	1.18 0.21	0.90	0.80 0.21	1.18 0.16	0.59	0.58 0.11	1.31 0.17
6334	0.93	0.03 0.01	0.08 0.03	5.84	-0.43 -0.54	0.71 0.22	0.50	0.31 0.10	0.14 0.03	0.71	0.07 0.02	0.49 0.07	0.53	0.30 0.06	0.36 0.05
6335	0.77	-0.48 -0.16	0.09 0.03	8.22	1.46 1.83	0.51 0.16	0.17	-0.75 -0.23	0.09 0.02	0.46	-0.87 -0.23	0.24 0.03	0.36	-0.60 -0.11	0.12 0.02
6382	0.66	-0.81 -0.27	0.45 0.15	5.15	-0.98 -1.24	0.16 0.05	0.15	-0.81 -0.25	0.28 0.05	0.33	-1.37 -0.36	0.43 0.06	0.27	-1.08 -0.20	0.84 0.11
6401	0.96	0.10 0.03	0.40 0.13	9.14	2.19 2.75	1.23 0.38	0.44	0.14 0.04	0.93 0.17	0.98	1.10 0.29	2.19 0.29	0.33	-0.78 -0.15	0.54 0.07
6407	2.68	5.36 1.76	3.68 1.23	7.40	0.80 1.01	1.43 0.44	0.65	0.80 0.25	3.64 0.65	0.61	-0.31 -0.08	0.86 0.12	0.66	0.96 0.18	3.17 0.41
6408	0.93	0.01 0.00	0.08 0.03	5.64	-0.59 -0.75	1.15 0.35	0.54	0.44 0.14	0.71 0.13	0.68	-0.04 -0.01	0.38 0.05	0.58	0.55 0.10	0.19 0.03
6409	1.04	0.34 0.11	0.10 0.04	7.10	0.57 0.72	0.81 0.25	0.43	0.11 0.03	0.43 0.08	0.83	0.52 0.14	0.56 0.08	0.55	0.41 0.08	0.51 0.07
6516	0.79	-0.40 -0.13	0.16 0.05	5.89	-0.39 -0.50	0.58 0.18	0.15	-0.81 -0.25	0.08 0.01	0.47	-0.85 -0.22	0.20 0.03	0.58	0.57 0.11	0.84 0.11
6620	0.73	-0.59 -0.19	0.17 0.06	6.78	0.31 0.39	1.45 0.44	0.19	-0.69 -0.21	0.94 0.17	0.50	-0.73 -0.19	1.77 0.24	0.30	-0.92 -0.17	1.31 0.17
6626	0.93	0.03 0.01	0.17 0.06	7.97	1.26 1.58	0.19 0.06	0.37	-0.11 -0.03	0.32 0.06	0.70	0.04 0.01	0.00 0.00	0.47	-0.05 -0.01	0.44 0.06
6664	1.17	0.75 0.25		6.31	-0.06 -0.08		0.60	0.65 0.20		1.16	1.80 0.47		0.71	1.24 0.23	

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6714	0.62	-0.92	0.08	5.89	-0.40	0.72	0.28	-0.40	0.37	0.54	-0.59	0.19	0.45	-0.14	0.19
6879	0.78	-0.30	0.03	7.15	-0.50	0.22	0.13	-0.12	0.07	0.57	-0.15	0.03	0.26	-0.03	0.03
		-0.43	0.03		0.61	0.16		-0.87	0.00		-0.46	0.07		-1.13	0.04
		-0.14	0.01		0.76	0.05		-0.27	0.00		-0.12	0.01		-0.21	0.01
Grand Median		0.92			6.39			0.40			0.69			0.48	
Median Abs Dev		0.14			0.67			0.21			0.17			0.12	
Avg Within Lab SD		0.33			0.30			0.18			0.13			0.13	
Labs Included		18			18			18			18			18	
Labs Reporting		18			18			18			18			18	

SAR - sp (108)			in the Salinity Property Groups												Data units: value		
6276	1.22	0.34	0.72	3.60	0.78	0.87	0.31	-0.41	0.36	1.26	-0.05	1.26	0.19	-0.48	0.59		
6283	1.31	0.15	0.18	3.30	0.28	0.10	0.84	-0.11	0.02	2.69	-0.04	0.30	0.39	-0.06	0.02		
6306	0.59	0.56	0.00	3.61	-0.05	1.03	0.49	1.63	0.53	1.57	1.78	0.75	0.30	1.25	0.41		
6327	1.07	0.24	0.00	3.30	-0.02	0.12	0.13	0.42	0.04	0.92	1.39	0.18	0.15	0.15	0.02		
6335	0.76	-1.11	3.33	3.35	0.82	1.26	0.15	0.27	1.38	0.65	0.34	1.75	0.17	0.46	2.52		
6382	0.83	-0.48	0.84	2.77	0.29	0.15	0.17	0.07	0.09	0.78	0.27	0.42	0.14	0.05	0.11		
6401	1.05	0.00	1.25	4.07	-0.06	2.58	0.49	-1.10	1.28	1.61	-0.49	0.76	0.19	-0.84	1.13		
6408	1.70	0.00	0.31	2.97	-0.02	0.30	0.47	-0.29	0.09	2.20	-0.38	0.18	0.30	-0.10	0.05		
6409	1.40	-0.72	0.10	3.50	0.08	0.58	0.50	-1.01	0.17	1.16	-0.83	0.19	0.17	-0.64	0.24		
6516	1.09	-0.31	0.03	3.26	0.03	0.07	0.15	-0.26	0.01	1.16	-0.65	0.05	0.33	-0.07	0.01		
6626	1.07	-0.55	0.39	3.60	-1.54	0.28	0.47	-0.96	1.09	1.30	-0.66	0.42	0.27	-0.90	1.04		
6664	2.34	-0.24	0.10	3.27	-0.55	0.03	0.61	-0.25	0.07	3.10	-0.52	0.10	0.41	-0.10	0.04		
6714	0.85	-0.03	0.58	4.07	2.09	0.90	0.49	0.27	2.29	1.61	0.40	2.57	0.19	-0.50	0.90		
6879	0.89	-0.02	0.14	2.97	0.75	0.11	0.47	0.07	0.16	2.20	0.31	0.62	0.30	-0.06	0.04		
		1.46	0.40	2.97	-0.98	0.99	0.47	0.20	0.85	2.20	0.40	2.57	0.30	0.48	0.00		
		0.63	0.10	3.50	-0.35	0.12	0.50	0.05	0.06	2.20	0.05	0.06	0.30	0.06	0.00		
		0.77		3.50	0.51		0.50	0.32		2.20	0.32		0.30	0.48			
		0.33		3.50	0.18		0.50	0.08		2.20	1.15		0.30	0.06			
		0.04	0.27	3.26	-0.17	0.56	0.15	-1.03	0.18	1.16	0.90		0.33	0.72	1.40		
		0.02	0.07	3.26	-0.06	0.07	0.15	-0.27	0.01	1.16	-0.17	0.35	0.33	0.08	0.06		
		0.00	0.23	3.60	0.79	0.86	0.47	0.20	0.85	1.30	0.00	0.42	0.27	0.19	1.38		
		0.00	0.06	3.60	0.28	0.10	0.47	0.05	0.06	1.30	0.00	0.10	0.27	0.02	0.06		
		2.94		3.27	-0.14		0.61	0.75		3.10	2.30		0.41	1.42			
		1.27		3.27	-0.05		0.61	0.19		3.10	1.80		0.41	0.17			
		-0.50	0.18	2.82	-1.38	0.82	0.37	-0.20	1.44	1.48	0.22	0.29	0.22	-0.19	0.28		
		-0.22	0.05	2.82	-0.49	0.10	0.37	-0.05	0.10	1.48	0.18	0.07	0.22	-0.02	0.01		
		-0.41	0.05	3.34	0.05	0.22	0.13	-1.10	0.00	1.01	-0.37	0.11	0.14	-0.90	0.00		
		-0.18	0.01	3.34	0.02	0.03	0.13	-0.29	0.00	1.01	-0.29	0.03	0.14	-0.10	0.00		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD
Grand Median	1.07			3.32			0.42			1.30			0.24		
Median Abs Dev	0.23			0.23			0.15			0.31			0.07		
Avg Within Lab SD	0.25			0.12			0.07			0.24			0.04		
Labs Included	14			14			14			13			14		
Labs Reporting	14			14			14			13			14		

Cl - sp (109) in the Salinity Property Groups															
															Data units: mmol/L
6276	2.08	1.06	0.49	2.60	0.62	0.51	0.28	0.00	0.29	1.39	0.64	1.32	0.71	0.09	0.14
		0.56	0.27		0.37	0.14		0.00	0.05		0.35	0.27		0.02	0.03
6283	1.49	-0.05	0.18	2.11	-0.21	0.24	0.32	0.26	0.21	1.10	0.12	0.40	0.70	0.00	0.12
		-0.03	0.10		-0.13	0.07		0.04	0.03		0.06	0.08		0.00	0.03
6306	1.48	-0.08	0.12	2.25	0.02	0.55	0.33	0.30	0.33	1.25	0.38	0.81	0.74	0.22	0.51
		-0.04	0.07		0.01	0.15		0.04	0.06		0.21	0.16		0.05	0.12
6327	1.34	-0.34	0.28	2.12	-0.18	0.84	0.15	-0.89	0.30	0.71	-0.60	0.44	0.60	-0.45	0.32
		-0.18	0.16		-0.11	0.23		-0.13	0.05		-0.33	0.09		-0.09	0.08
6330	2.36	1.59	0.71	2.48	0.41	2.40	0.37	0.58	0.58	2.83	3.28	2.38	0.70	0.00	0.30
		0.84	0.39		0.25	0.66		0.08	0.10		1.79	0.48		0.00	0.07
6334	1.14	-0.72	0.02	1.51	-1.21	0.12	0.28	-0.02	0.00	0.70	-0.62	0.27	0.48	-1.03	0.25
		-0.38	0.01		-0.72	0.03		0.00	0.00		-0.34	0.06		-0.22	0.06
6335	2.43	1.73	0.05	3.68	2.42	0.06	0.28	0.00	0.12	1.52	0.88	0.16	1.05	1.70	0.10
		0.91	0.03		1.45	0.02		0.00	0.02		0.48	0.03		0.36	0.03
6407	2.54	1.93	3.55	2.01	-0.37	1.27	0.55	1.80	3.50	0.81	-0.42	1.80	1.03	1.61	3.63
		1.02	1.95		-0.22	0.35		0.26	0.58		-0.23	0.36		0.34	0.87
6408	1.45	-0.14	0.15	2.29	0.10	0.46	0.32	0.25	0.99	0.86	-0.32	0.21	0.87	0.84	0.47
		-0.07	0.08		0.06	0.13		0.04	0.17		-0.18	0.04		0.18	0.11
6409	1.09	-0.81	0.03	1.71	-0.87	0.33	0.14	-0.98		0.62	-0.77	0.15	0.45	-1.18	0.13
		-0.43	0.02		-0.52	0.09		-0.14			-0.42	0.03		-0.25	0.03
6516	1.36	-0.30	0.00	2.05	-0.30	0.26	0.10	-1.22	0.09	0.85	-0.35	0.18	0.57	-0.60	0.21
		-0.16	0.00		-0.18	0.07		-0.18	0.01		-0.19	0.04		-0.13	0.05
6620	1.54	0.05	0.23	2.22	-0.02	0.64	0.14	-0.98	0.34	0.98	-0.12	0.23	0.57	-0.60	0.06
		0.03	0.13		-0.01	0.18		-0.14	0.06		-0.06	0.05		-0.13	0.01
6626	1.67	0.28	0.52	3.33	1.84	2.11	0.50	1.49		1.33	0.54	1.43	0.50	-0.94	
		0.15	0.29		1.10	0.58		0.22			0.29	0.29		-0.20	
6879	1.71	0.37	0.43	2.74	0.86	0.04	0.18	-0.68	0.03	1.27	0.41	0.20	0.74	0.19	0.02
		0.20	0.23		0.51	0.01		-0.10	0.01		0.23	0.04		0.04	0.01
Grand Median	1.52			2.23			0.28			1.04			0.70		
Median Abs Dev	0.19			0.23			0.09			0.26			0.13		
Avg Within Lab SD	0.55			0.27			0.17			0.20			0.24		
Labs Included	14			14			14			14			14		
Labs Reporting	14			14			14			14			14		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
SO4 - sp (110) in the Salinity Property Groups															
Data units: mmolc/L															
6276	0.91	0.00	0.15	2.81	0.42	0.35	0.56	0.03	0.74	1.19	0.59	0.24	0.81	0.37	0.23
		0.00	0.04		0.17	0.07		0.01	0.06		0.16	0.03		0.08	0.02
6283	0.79	-0.42	0.12	2.25	-0.93	0.56	0.57	0.09	0.58	1.01	-0.07	0.61	0.71	-0.08	0.70
		-0.12	0.04		-0.39	0.12		0.02	0.05		-0.02	0.08		-0.02	0.07
6327	0.85	-0.19	0.09	2.63	-0.01	0.36	0.34	-0.95	0.19	0.89	-0.52	0.15	0.69	-0.16	0.24
		-0.06	0.03		0.00	0.08		-0.20	0.02		-0.14	0.02		-0.03	0.03
6330	1.43	1.80	0.71	3.29	1.57	1.39	1.17	2.89	1.79	1.72	2.53	2.01	1.37	3.03	2.31
		0.52	0.20		0.66	0.29		0.63	0.15		0.69	0.26		0.64	0.24
6334	0.84	-0.25	0.04	2.52	-0.28	1.16	0.49	-0.28	0.14	0.97	-0.22	0.35	0.65	-0.36	0.00
		-0.07	0.01		-0.12	0.24		-0.06	0.01		-0.06	0.05		-0.08	0.00
6335	0.79	-0.40	0.04	2.81	0.42	0.20	0.45	-0.44	0.07	0.89	-0.54	0.04	0.87	0.68	0.10
		-0.12	0.01		0.18	0.04		-0.09	0.01		-0.15	0.01		0.14	0.01
6407	1.42	1.74	3.11	2.64	0.00	0.58	0.55	0.00	1.03	0.88	-0.56	0.24	0.72	-0.02	0.23
		0.51	0.88		0.00	0.12		0.00	0.08		-0.15	0.03		0.00	0.02
6408	1.22	1.07	0.17	2.03	-1.46	2.00	0.47	-0.38	1.26	1.19	0.59	0.51	0.45	-1.30	0.91
		0.31	0.05		-0.61	0.41		-0.08	0.10		0.16	0.07		-0.28	0.09
6409	1.03	0.43	0.11	2.98	0.81	0.60	0.70	0.72	0.62	1.24	0.74	0.23	0.82	0.43	0.22
		0.12	0.03		0.34	0.12		0.16	0.05		0.20	0.03		0.09	0.02
6516	0.83	-0.28	0.07	2.40	-0.58	0.56	0.39	-0.75	0.31	1.03	0.00	0.32	0.73	0.00	0.25
		-0.08	0.02		-0.24	0.12		-0.16	0.02		0.00	0.04		0.00	0.03
6620	1.16	0.85	0.86	3.03	0.93	1.45	0.74	0.89	1.92	1.32	1.06	2.43	0.94	0.99	2.01
		0.25	0.25		0.39	0.30		0.19	0.16		0.29	0.32		0.21	0.21
Grand Median		0.91			2.64			0.55			1.03			0.73	
Median Abs Dev		0.12			0.24			0.09			0.15			0.08	
Avg Within Lab SD		0.28			0.21			0.08			0.13			0.10	
Labs Included		11			11			11			11			11	
Labs Reporting		11			11			11			11			11	

NO3 - sp (111) in the Salinity Property Groups															
Data units: mmolc/L															
6276	1.69	0.45	2.33	5.16	-0.19	0.71	0.14	-0.53	1.44				3.76	0.23	0.52
		0.16	0.22		-0.47	0.32		-0.33	0.12					0.39	0.18
6327	1.47	-0.16	0.31	6.11	0.19	0.96	0.92	0.72	0.58	0.030	-0.10	0.00	4.15	0.46	0.45
		-0.06	0.03		0.47	0.43		0.45	0.05		-0.004	0.000		0.78	0.16
6330	1.84	0.84	1.02	9.45	1.54	2.37	1.17	1.11	2.35	0.133	2.48	2.64	5.46	1.23	2.40
		0.31	0.10		3.81	1.08		0.69	0.20		0.099	0.058		2.09	0.83
6334	1.51	-0.05	0.12	7.00	0.55	0.12	0.69	0.35	0.07	0.050	0.40	0.00	2.72	-0.38	0.22
		-0.02	0.01		1.36	0.06		0.22	0.01		0.016	0.000		-0.65	0.08
6407	0.36	-3.15	0.26	1.67	-1.61	0.20	0.25	-0.35	0.11	0.012	-0.56	0.11	1.25	-1.25	0.07
		-1.16	0.02		-3.97	0.09		-0.22	0.01		-0.022	0.002		-2.12	0.02

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6409	1.33	-0.54	0.43	4.88	-0.31	0.48	0.07	-0.64	0.15	0.057	0.57	0.00	2.99	-0.23	0.36
6516	1.58	-0.20	0.04	7.34	-0.76	0.22	1.08	-0.40	0.01	0.034	0.023	0.000	4.90	-0.39	0.13
6879	1.54	0.16	0.45	4.84	0.69	0.78	0.02	0.97	0.08	0.010	0.00	0.05	2.15	0.90	1.17
		0.06	0.04		1.70	0.36		0.61	0.01		0.000	0.001		1.52	0.41
		0.05	0.99		-0.32	0.24		-0.72			-0.60	0.00		-0.72	0.47
		0.02	0.09		-0.79	0.11		-0.45			-0.024	0.000		-1.22	0.16
Grand Median		1.53			5.64			0.47			0.034			3.37	
Median Abs Dev		0.11			1.08			0.42			0.022			1.00	
Avg Within Lab SD		0.09			0.45			0.09			0.022			0.35	
Labs Included		8			8			8			7			8	
Labs Reporting		8			8			8			7			8	

B - sp (112) in the Salinity Property Groups															
														Data units: mg/L	
6276	0.09	-0.11	0.02	0.33	0.63	0.69	0.070	0.00	1.33	0.037	-0.23	1.51	0.080	-0.30	0.50
		-0.02	0.01		0.04	0.02		0.000	0.026		-0.003	0.021		-0.008	0.010
6283	0.09	-0.11	0.02	0.27	-0.23	0.61	0.070	0.00	1.01	0.040	0.00	0.00	0.100	0.50	1.31
		-0.02	0.01		-0.02	0.02		0.000	0.020		0.000	0.000		0.013	0.026
6327	0.09	-0.11	0.02	0.26	-0.38	1.61	0.050	-0.90	0.58	0.024	-1.09	0.29	0.092	0.17	0.87
		-0.02	0.01		-0.03	0.04		-0.017	0.012		-0.016	0.004		0.004	0.018
6330	0.23	0.59	0.08	0.22	-1.08	1.40	0.090	1.08	2.01	0.033	-0.47	1.11	0.050	-1.50	1.72
		0.12	0.02		-0.07	0.04		0.020	0.040		-0.007	0.015		-0.038	0.035
6334	0.07	-0.18	0.02	0.23	-0.88	1.19	0.030	-2.16	0.00	0.043	0.23	0.42	0.053	-1.37	0.29
		-0.04	0.01		-0.06	0.03		-0.040	0.000		0.003	0.006		-0.034	0.006
6335	0.14	0.16	0.02	0.32	0.48	0.40	0.070	0.00	0.00	0.040	0.00	0.00	0.097	0.37	0.29
		0.03	0.01		0.03	0.01		0.000	0.000		0.000	0.000		0.009	0.006
6620	0.95	4.03	2.83	0.30	0.23	0.23	0.070	0.00	0.87	0.075	2.44	1.88	0.083	-0.17	1.43
		0.84	0.72		0.02	0.01		0.000	0.017		0.035	0.026		-0.004	0.029
6626	0.13	0.11	0.08	0.39	1.49	1.00	0.090	1.26	0.29	0.053	0.93	0.84	0.113	1.03	0.29
		0.02	0.02		0.10	0.03		0.023	0.006		0.013	0.012		0.026	0.006
Grand Median		0.11			0.29			0.070			0.040			0.088	
Median Abs Dev		0.03			0.04			0.008			0.005			0.011	
Avg Within Lab SD		0.26			0.03			0.020			0.014			0.020	
Labs Included		8			8			8			8			8	
Labs Reporting		8			8			8			8			8	

Soil EC (1:1) (113) in the Soil pH & EC Property Groups															
														Data units: dS/m	
6278	0.22	1.21	0.16	0.61	0.30	0.27	0.09	-1.28	0.07	0.078	0.25	0.20	0.35	0.00	0.16
		0.05	0.00		0.03	0.01		-0.04	0.00		0.008	0.002		0.00	0.00

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6283	0.16	-0.24	0.40	0.58	0.00	1.27	0.14	0.00	0.33	0.053	-0.52	0.68	0.35	0.03	0.61
6306	0.17	-0.01	0.01	0.68	0.00	0.04	0.15	0.00	0.01	0.085	-0.017	0.006	0.37	0.00	0.02
6327	0.23	0.02	0.21	0.65	1.02	0.88	0.14	0.47	0.58	0.093	0.45	0.94	0.40	0.45	0.26
6330	0.17	0.00	0.00	0.67	0.10	0.03	0.14	0.02	0.01	0.057	0.015	0.008	0.37	0.02	0.01
6343	0.20	1.51	1.19	0.56	0.75	0.18	0.13	0.00	0.33	0.090	0.72	0.68	0.30	1.17	0.23
6353	0.21	0.06	0.02	0.43	0.07	0.01	0.16	0.00	0.01	0.140	0.023	0.006	0.27	0.06	0.01
6361	0.14	0.00	0.80	0.61	0.92	0.84	0.17	0.20	0.33	0.047	-0.41	2.44	0.30	0.43	0.23
6396	0.13	0.00	0.01	0.52	0.09	0.03	0.15	0.01	0.01	0.031	-0.013	0.021	0.34	0.02	0.01
6516	0.16	0.88	0.40	0.45	-0.20	0.32	0.07	-0.20	0.58	0.059	0.62	1.17	0.27	-0.98	0.61
6664	0.13	0.04	0.01	0.53	-0.02	0.01	0.10	-0.01	0.01	0.070	0.020	0.010	0.36	-0.05	0.02
		0.96	0.40		-1.53	0.32		0.69	0.58		2.17	0.00		-1.52	0.00
		0.04	0.01		-0.15	0.01		0.02	0.01		0.070	0.000		-0.08	0.00
		-0.72	2.42		0.31	2.39		0.99	2.53		-0.72	0.68		-0.91	3.00
		-0.03	0.04		0.03	0.08		0.03	0.04		-0.023	0.006		-0.05	0.08
		-0.88	0.00		-0.58	1.11		0.50	0.33		-1.22	0.14		-0.17	1.00
		-0.04	0.00		-0.06	0.04		0.02	0.01		-0.039	0.001		-0.01	0.03
		-0.06	0.07		-1.35	0.24		-1.91	0.06		-0.34	0.08		-1.54	0.04
		0.00	0.00		-0.13	0.01		-0.06	0.00		-0.011	0.001		-0.08	0.00
		-0.96	1.59		-0.48	0.80		-1.19	1.77		0.00	1.17		0.23	0.23
		-0.04	0.02		-0.05	0.03		-0.04	0.03		0.000	0.010		0.01	0.01
Grand Median		0.17			0.58			0.14			0.070			0.35	
Median Abs Dev		0.04			0.06			0.02			0.017			0.02	
Avg Within Lab SD		0.01			0.03			0.02			0.009			0.03	
Labs Included		11			11			11			11			11	
Labs Reporting		11			11			11			11			11	

Soil EC (1:2) (114)

in the Soil pH & EC Property Groups

Data units: dS/m

6289	0.14	0.20	0.56	0.41	0.29	0.17	0.06	-0.65	0.17	0.068	0.40	0.42	0.21	-0.03	0.74
6305	0.10	-0.01	0.00	0.41	0.03	0.00	0.12	-0.03	0.00	0.050	0.010	0.003	0.23	0.00	0.01
6306	0.12	-0.44	0.70	0.45	0.29	0.47	0.13	0.44	0.05	0.068	-0.37	0.69	0.24	0.24	0.91
6327	0.25	-0.02	0.01	0.42	0.03	0.01	0.12	0.02	0.00	0.083	-0.009	0.005	0.28	0.02	0.01
6334	0.13	-0.11	0.87	0.34	0.82	1.53	0.10	0.63	3.39	0.113	0.37	0.56	0.21	0.40	0.38
6336	0.16	-0.01	0.01	0.33	0.07	0.02	0.14	0.03	0.07	0.065	0.009	0.004	0.13	0.03	0.00
6357	0.12	2.68	0.71	0.24	0.44	0.63	0.06	0.56	0.27	0.052	1.03	0.76	0.14	1.00	1.34
		0.13	0.01		0.04	0.01		0.03	0.01		0.025	0.006		0.06	0.02
		0.00	0.01		-0.47	1.91		0.10	0.47		2.30	2.72		0.02	1.01
		0.80	1.75		-0.04	0.03		0.01	0.01		0.055	0.021		0.00	0.01
		0.04	0.01		-0.53	0.13		0.91	0.25		0.27	1.18		-1.34	2.00
		-0.04	0.96		-0.05	0.00		0.05	0.01		0.007	0.009		-0.09	0.02
		0.00	0.01		-1.56	1.05		-0.67	0.42		-0.29	0.26		-1.16	1.37
					-0.14	0.02		-0.03	0.01		-0.007	0.002		-0.07	0.02

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6388	0.13	0.11 0.01	0.71 0.01	0.38	-0.03 0.00	0.51 0.01	0.06	-0.76 -0.04	0.03 0.00	0.057	-0.09 -0.002	0.60 0.005	0.21	0.00 0.00	0.74 0.01
6407	0.03	-1.93 -0.09	0.28 0.00	0.04	-3.75 -0.34	0.20 0.00	0.03	-1.34 -0.07	0.10 0.00	0.018	-1.74 -0.041	0.15 0.001	0.02	-2.95 -0.19	0.18 0.00
6516	0.12	-0.02 0.00	0.16 0.00	0.38	0.00 0.00	0.04 0.00	0.06	-0.72 -0.04	0.04 0.00	0.043	-0.65 -0.015	0.18 0.001	0.21	0.00 0.78	0.46 0.04
6649	0.11	-0.24 -0.01	1.40 0.01	0.45	0.80 0.07	1.59 0.03	0.13	0.75 0.04	1.05 0.02	0.042	-0.72 -0.017	0.03 0.000	0.26	0.05 0.65	0.00 1.40
6802	0.23	2.09 0.10	1.54 0.01	0.39	0.11 0.01	1.03 0.02	0.18	1.58 0.08	0.57 0.01	0.061	0.09 0.002	1.61 0.012	0.25	0.04 -0.55	0.02 0.51
6810	0.11	-0.40 -0.02	0.71 0.01	0.35	-0.33 -0.03	1.08 0.02	0.09	-0.10 -0.01	0.47 0.01	0.080	0.89 0.021	0.00 0.000	0.18	-0.04 -0.35	0.01 0.88
6854	0.14	0.37 0.02	0.71 0.01	0.38	0.00 0.00	1.08 0.02	0.08	-0.23 -0.01	0.54 0.01	0.053	-0.23 -0.006	0.76 0.006	0.19	-0.02 0.01	0.01
Grand Median		0.13			0.38			0.10			0.059			0.21	
Median Abs Dev		0.01			0.04			0.03			0.009			0.03	
Avg Within Lab SD		0.01			0.02			0.02			0.008			0.01	
Labs Included		14			14			14			14			14	
Labs Reporting		14			14			14			14			14	

pH (1:1) Water (115)			in the Soil pH & EC Property Groups												Data units: Unit		
6276	5.38	0.33 0.09	1.48 0.10	8.28	0.41 0.07	1.95 0.15	5.94	0.89 0.13	0.76 0.04	5.46	0.59 0.16	1.07 0.08	7.00	0.48 0.08	1.49 0.09		
6278	5.08	-0.85 -0.22	0.38 0.03	8.10	-0.58 -0.10	1.27 0.10	5.62	-1.40 -0.20	0.22 0.01	5.15	-0.57 -0.15	0.13 0.01	6.81	-0.69 -0.11	1.33 0.08		
6283	5.14	-0.61 -0.16	0.95 0.07	8.02	-1.03 -0.18	0.44 0.03	5.87	0.35 0.05	0.96 0.05	5.17	-0.48 -0.13	0.46 0.04	6.92	-0.04 -0.01	1.55 0.09		
6288	5.28	-0.06 -0.02	0.08 0.01	8.13	-0.41 -0.07	0.00 0.00	5.85	0.20 0.03	0.11 0.01	5.03	-1.03 -0.27	0.13 0.01	6.89	-0.19 -0.03	0.20 0.01		
6289	5.40	0.40 0.10	1.42 0.10	8.27	0.36 0.06	1.94 0.15	5.90	0.58 0.08	1.88 0.10	5.47	0.63 0.17	2.00 0.15	7.10	1.10 0.18	1.71 0.10		
6304	5.25	-0.20 -0.05	3.06 0.22	8.27	0.36 0.06	1.47 0.12	5.87	0.35 0.05	1.08 0.06	5.40	0.38 0.10	1.31 0.10	6.93	0.06 0.01	0.99 0.06		
6306	5.35	0.19 0.05	0.22 0.02	8.22	0.09 0.02	0.67 0.05	5.86	0.30 0.04	0.68 0.04	5.32	0.09 0.02	0.50 0.04	7.05	0.79 0.13	0.59 0.03		
6322	5.32	0.10 0.03	0.08 0.01	7.93	-1.56 -0.28	0.07 0.01	5.76	-0.39 -0.06	0.11 0.01	5.18	-0.46 -0.12	0.13 0.01	6.80	-0.79 -0.13	0.20 0.01		
6327	6.30	3.92 1.00	1.42 0.10	7.87	-1.89 -0.34	1.94 0.15	5.77	-0.37 -0.05	2.87 0.15	6.17	3.29 0.87	2.72 0.21	6.80	-0.77 -0.12	1.71 0.10		
6330	5.63	1.31 0.34	0.82 0.06	8.43	1.29 0.23	0.73 0.06	5.90	0.58 0.08	0.00 0.00	5.30	0.00 0.00	0.00 0.00	7.07	0.90 0.14	0.99 0.06		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6333	5.57	1.05	0.82	8.23	0.17	0.73	5.87	0.35	1.08	5.53	0.89	0.76	7.03	0.69	0.99
6336	6.13	0.27	0.06	8.20	0.03	0.06	6.03	0.05	0.06	5.73	0.23	0.06	6.17	0.11	0.06
6338	5.57	3.26	0.82	8.20	-0.02	0.00	6.03	1.54	1.08	5.73	1.65	0.76	6.17	-4.73	0.99
6353	5.01	0.84	0.06	8.21	0.00	0.00	5.95	0.22	0.06	5.59	0.43	0.06	7.06	-0.76	0.06
6361	5.17	1.05	0.16	8.21	0.06	0.07	5.95	0.97	0.11	5.59	1.10	0.26	7.06	0.88	0.36
6388	5.28	0.27	0.01	8.15	0.01	0.01	5.60	0.14	0.01	4.95	0.29	0.02	6.83	0.14	0.02
6396	5.27	-1.13	0.74	8.15	-0.30	0.66	5.60	-1.59	1.08	4.95	-1.33	1.36	6.83	-0.60	1.63
6409	5.23	-0.29	0.05	7.90	-0.05	0.05	5.63	-0.22	0.06	5.17	-0.35	0.10	6.80	-0.10	0.10
6516	5.26	-0.51	0.82	7.90	-1.70	1.27	5.63	-1.32	1.08	5.17	-0.51	0.76	6.80	-0.77	1.71
6664	5.40	-0.13	0.06	8.29	-0.30	0.10	5.79	-0.19	0.06	5.30	-0.13	0.06	6.98	-0.12	0.10
6718	5.43	-0.06	0.08	8.29	0.49	0.13	5.79	-0.20	0.00	5.30	0.00	0.00	6.98	0.35	0.00
6787	5.20	-0.02	0.01	8.07	0.09	0.01	5.77	-0.03	0.00	5.13	0.00	0.00	6.80	0.06	0.00
6791	5.30	-0.12	0.82	8.07	-0.77	0.73	5.77	-0.37	1.08	5.13	-0.63	0.76	6.80	-0.77	0.00
6802	5.37	-0.03	0.06	8.21	-0.14	0.06	5.82	-0.05	0.06	5.40	-0.17	0.06	6.97	-0.12	0.00
6810	5.49	-0.28	0.08	8.21	0.02	0.07	5.82	0.04	0.43	5.40	0.39	0.08	6.97	0.29	0.17
6816	5.06	-0.07	0.01	8.05	0.00	0.01	5.81	0.01	0.02	5.33	0.10	0.01	6.77	0.05	0.01
6833	5.24	-0.14	1.08	8.05	-0.86	2.66	5.81	-0.04	1.10	5.33	0.13	0.42	6.77	-0.96	0.91
6838	5.12	-0.04	0.08	8.23	-0.15	0.21	5.77	-0.37	1.08	5.20	0.03	0.03	6.90	-0.15	0.05
6854	5.30	0.40	2.46	8.23	0.17	0.73	5.77	-0.05	0.06	5.20	-0.38	2.62	6.90	-0.15	1.71
6874	5.43	0.10	0.17	8.09	0.03	0.06	5.64	-0.05	0.06	5.24	-0.10	0.20	6.89	-0.02	0.10
		0.50	0.22	8.09	-0.66	0.41	5.64	-1.30	0.57	5.24	-0.23	0.47	6.89	-0.19	1.00
		0.13	0.02	8.24	-0.12	0.03	5.79	-0.18	0.03	5.23	-0.06	0.04	6.99	-0.03	0.06
		-0.37	0.30	8.24	0.22	0.32	5.79	-0.18	0.39	5.23	-0.25	0.50	6.99	0.40	0.26
		0.01	0.00	8.30	0.04	0.03	5.83	-0.03	0.02	5.30	-0.07	0.04	7.00	0.06	0.02
		0.01	0.00	8.30	0.54	0.00	5.83	0.11	1.08	5.30	0.00	0.00	7.00	0.48	
		0.00	0.00	8.30	0.10	0.00	5.83	0.02	0.06	5.30	0.00	0.00	7.00	0.08	
		0.28	0.65	8.21	0.04	0.34	5.92	0.70	0.11	5.40	0.38	0.26	6.98	0.38	0.65
		0.07	0.05	8.21	0.01	0.03	5.92	0.10	0.01	5.40	0.10	0.02	6.98	0.06	0.04
		0.74	0.22	8.31	0.60	0.38	6.17	2.52	0.19	5.62	1.20	0.30	7.10	1.08	0.10
		0.19	0.02	8.31	0.11	0.03	6.17	0.35	0.01	5.62	0.32	0.02	7.10	0.17	0.01
		-0.93		8.18	-0.13		5.61	-1.49		5.15	-0.57		6.89	-0.21	
		-0.24		8.18	-0.02		5.61	-0.21		5.15	-0.15		6.89	-0.03	
		-0.23	0.71	7.60	-3.37	0.48	5.62	-1.42	1.35	4.71	-2.23	1.44	6.75	-1.10	0.94
		-0.06	0.05	7.60	-0.60	0.04	5.62	-0.20	0.07	4.71	-0.59	0.11	6.75	-0.18	0.06
		-0.68	0.33	8.10	-0.60	0.37	5.81	-0.08	0.29	5.11	-0.71	0.66	6.88	-0.29	0.65
		-0.18	0.02	8.10	-0.11	0.03	5.81	-0.01	0.02	5.11	-0.19	0.05	6.88	-0.05	0.04
		-0.01	0.50	8.13	-0.43	0.65	5.80	-0.13	1.35	5.29	-0.03	0.53	6.93	0.04	0.34
		0.00	0.04	8.13	-0.08	0.05	5.80	-0.02	0.07	5.29	-0.01	0.04	6.93	0.01	0.02
		0.53	0.82	8.40	1.11	1.27	5.83	0.11	1.08	5.33	0.13	0.76	6.93	0.06	0.99
		0.14	0.06	8.40	0.20	0.10	5.83	0.02	0.06	5.33	0.03	0.06	6.93	0.01	0.06

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	5.30			8.20			5.82			5.30			6.92		
Median Abs Dev	0.10			0.08			0.05			0.13			0.09		
Avg Within Lab SD	0.07			0.08			0.05			0.08			0.06		
Labs Included	30			30			30			30			30		
Labs Reporting	30			30			30			30			30		

pH (1:2) Water (116) in the Soil pH & EC Property Groups															
													Data units: Unit		
6305	5.86	1.18	1.26	8.65	0.72	0.32	5.98	0.14	0.14	5.82	0.81	0.35	6.62	-1.10	0.05
		0.43	0.08		0.30	0.03		0.06	0.01		0.35	0.03		-0.31	0.00
6306	5.54	0.30	0.39	8.52	0.42	0.84	6.00	0.22	1.64	5.45	-0.04	0.71	7.18	0.87	0.37
		0.11	0.03		0.17	0.08		0.08	0.13		-0.02	0.06		0.24	0.03
6327	5.57	0.38	2.35	8.13	-0.52	1.66	5.70	-0.57	1.23	5.47	0.00	1.96	6.93	0.00	1.34
		0.14	0.15		-0.22	0.15		-0.22	0.10		0.00	0.15		0.00	0.12
6334	5.52	0.25	0.15	8.52	0.40	0.13	6.09	0.44	0.25	5.58	0.27	0.32	7.10	0.59	0.12
		0.09	0.01		0.17	0.01		0.17	0.02		0.12	0.03		0.17	0.01
6343	4.60	-2.30	0.00	8.27	-0.20	0.63	4.87	-2.74	0.71	4.60	-1.99	1.28	6.60	-1.19	0.00
		-0.83	0.00		-0.08	0.06		-1.05	0.06		-0.87	0.10		-0.33	0.00
6357	5.45	0.06	1.87	8.65	0.71	0.49	5.90	-0.05	2.26	5.53	0.15	1.00	7.14	0.74	0.31
		0.02	0.12		0.30	0.05		-0.02	0.18		0.07	0.08		0.21	0.03
6407	6.10	1.86	0.00	9.70	3.25	1.88	6.50	1.51		6.30	1.91	1.28	7.07	0.48	2.42
		0.67	0.00		1.35	0.17		0.58			0.83	0.10		0.13	0.21
6408	5.42	-0.04	0.54	8.31	-0.09	0.25	6.13	0.54	1.10	5.39	-0.18	0.30	7.00	0.24	0.12
		-0.01	0.04		-0.04	0.02		0.21	0.09		-0.08	0.02		0.07	0.01
6409	5.43	0.00	0.15	8.37	0.05	0.19	5.92	0.00	0.12	5.56	0.22	0.15	7.11	0.62	0.13
		0.00	0.01		0.02	0.02		0.00	0.01		0.10	0.01		0.17	0.01
6516	5.26	-0.46	0.90	8.35	0.00	2.16	5.92	0.00	0.21	5.56	0.22	0.66	6.72	-0.76	0.72
		-0.17	0.06		0.00	0.20		0.00	0.02		0.10	0.05		-0.21	0.06
6649	5.13	-0.83	0.61	8.18	-0.41	0.33	5.52	-1.05	0.55	5.17	-0.69	0.32	6.76	-0.64	0.41
		-0.30	0.04		-0.17	0.03		-0.41	0.05		-0.30	0.03		-0.18	0.04
6779	5.12	-0.85	0.39	8.17	-0.43	0.44	5.55	-0.96	0.85	5.14	-0.76	1.23	6.59	-1.21	2.00
		-0.31	0.03		-0.18	0.04		-0.37	0.07		-0.33	0.10		-0.34	0.17
6833	5.33	-0.28	0.77	7.69	-1.58	0.41	5.71	-0.55	0.89	4.80	-1.52	1.41	6.84	-0.34	0.64
		-0.10	0.05		-0.66	0.04		-0.21	0.07		-0.66	0.11		-0.10	0.06
Grand Median	5.43			8.35			5.92			5.47			6.93		
Median Abs Dev	0.14			0.17			0.21			0.12			0.18		
Avg Within Lab SD	0.07			0.09			0.08			0.08			0.09		
Labs Included	13			13			13			13			13		
Labs Reporting	13			13			13			13			13		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
pH (1:1) 0.01M CaCl₂ (117) in the Soil pH & EC Property Groups															
													Data units: Unit		
6283	4.36	-1.27	0.67	7.54	-3.24	1.08	5.14	-0.25	1.51	4.38	0.00	1.44	6.50	-1.45	0.97
		-0.20	0.02		-0.33	0.05		-0.06	0.08		0.00	0.08		-0.11	0.05
6289	4.63	0.45	1.85	7.83	-0.30	1.27	5.20	0.02	1.85	4.50	1.10	1.80	6.60	-0.15	2.12
		0.07	0.06		-0.03	0.06		0.01	0.10		0.12	0.10		-0.01	0.10
6306	4.55	-0.08	0.00	7.82	-0.40	0.33	5.22	0.13	0.21	4.32	-0.63	0.10	6.63	0.28	0.24
		-0.01	0.00		-0.04	0.02		0.03	0.01		-0.07	0.01		0.02	0.01
6353	4.30	-1.68	0.00	7.86	-0.07	2.08	5.05	-0.67	0.00	4.21	-1.64	0.00	6.55	-0.80	0.00
		-0.26	0.00		-0.01	0.10		-0.15	0.00		-0.17	0.00		-0.06	0.00
6388	4.58	0.08	0.19	7.91	0.50	0.33	5.19	-0.02	0.00	4.43	0.41	0.10	6.62	0.15	0.12
		0.01	0.01		0.05	0.02		-0.01	0.00		0.04	0.01		0.01	0.01
6718	4.48	-0.55	0.93	7.90	0.33	0.46	4.43	-3.53	0.67	4.26	-1.20	0.55	6.54	-0.93	0.92
		-0.09	0.03		0.03	0.02		-0.77	0.04		-0.13	0.03		-0.07	0.04
6802	4.70	0.87	0.85	7.87	0.07	0.58	5.27	0.35	0.67	4.43	0.41	1.47	6.70	1.10	0.68
		0.14	0.03		0.01	0.03		0.08	0.04		0.04	0.08		0.09	0.03
6854	4.63	0.40	1.58	7.91	0.50	0.33	5.29	0.42	1.17	4.38	0.00	0.45	6.65	0.54	1.09
		0.06	0.05		0.05	0.02		0.09	0.06		0.00	0.03		0.04	0.05
Grand Median		4.56			7.86			5.20			4.38			6.61	
Median Abs Dev		0.08			0.04			0.07			0.06			0.05	
Avg Within Lab SD		0.03			0.05			0.05			0.06			0.05	
Labs Included		8			8			8			8			8	
Labs Reporting		8			8			8			8			8	
pH (1:2) 0.01M CaCl₂ (118) in the Soil pH & EC Property Groups															
													Data units: Unit		
6327	4.50	0.00		7.53	-0.48	1.88	5.10	-0.29	0.94	4.37	0.67	1.97	6.60	0.66	1.04
		0.00			-0.08	0.32		-0.02	0.17		0.07	0.12		0.20	0.10
6407	4.53	0.38	1.72	7.70	0.48	0.00	5.13	0.29	0.31	4.30	0.00	0.00	6.23	-0.55	0.60
		0.03	0.06		0.08	0.00		0.02	0.06		0.00	0.00		-0.17	0.06
6409	4.50	0.00		7.70	0.48	0.00	5.17	0.88	0.63	4.30	0.00	0.00	6.57	0.55	0.60
		0.00			0.08	0.00		0.05	0.12		0.00	0.00		0.17	0.06
6516	4.30	-2.32	0.17	7.40	-1.26	0.70	5.05	-1.23	1.62	4.10	-2.03	0.35	6.11	-0.94	1.48
		-0.20	0.01		-0.22	0.12		-0.07	0.30		-0.20	0.02		-0.29	0.14
Grand Median		4.50			7.62			5.12			4.30			6.40	
Median Abs Dev		0.02			0.08			0.03			0.03			0.18	
Avg Within Lab SD		0.03			0.17			0.18			0.06			0.10	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	

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SRS0901

Sample Mean Z Score k Score
Difference W/L STD

SRS0902

Sample Mean Z Score k Score
Difference W/L STD

SRS0903

Sample Mean Z Score k Score
Difference W/L STD

SRS0904

Sample Mean Z Score k Score
Difference W/L STD

SRS0905

Sample Mean Z Score k Score
Difference W/L STD

Soil EC (1:5) H2O (119)

in the Soil pH & EC Property Groups

Data units: dS/m

6408	0.063			0.20			0.028			0.023			0.10		
6409	0.081			0.21			0.040			0.033			0.12		
6779	0.063			0.02			0.030			0.030			0.10		
Grand Median	0.063			0.20			0.030			0.030			0.10		
Median Abs Dev	0.000			0.01			0.002			0.003			0.00		
Avg Within Lab SD										0.000			0.00		
Labs Included	3			3			3			3			3		
Labs Reporting	3			3			3			3			3		

SMP Buffer pH (121)

in the Buffer pH, Lime Requirement Property Groups

Data units: Unit

6283	6.63	0.16	0.42	7.54	-0.20	0.21	6.42	0.13	0.54	6.91	0.41	0.57	7.22	-0.03	0.24
		0.05	0.02			-0.04		0.01			0.03	0.03			0.13
6288	6.58	0.01	0.12	7.53	-0.28	0.00	6.40	-0.01	0.12	6.74	-0.12	0.16	7.19	-0.28	0.28
		0.00	0.01			-0.05		0.00			0.00	0.01			-0.04
6289	6.58	-0.01	0.63	7.58	0.01	1.31	6.41	0.04	0.65	6.72	-0.20	1.02	7.23	0.03	0.62
		0.00	0.03			0.00		0.04			0.01	0.03			-0.06
6306	5.34	-4.18	0.37	8.28	4.03	1.51	5.83	-2.97	0.54	5.34	-4.63	0.84	7.05	-1.65	0.57
		-1.24	0.02			0.70		0.04			-0.57	0.03			-1.44
6327	6.52	-0.22	1.53	7.70	0.70	1.92	6.38	-0.08	1.73	6.87	0.29	1.89	7.28	0.56	1.67
		-0.07	0.07			0.12		0.05			-0.02	0.08			0.09
6334	6.40	-0.61	1.17	7.50	-0.45	0.63	6.15	-1.31	0.86	6.72	-0.19	1.45	7.07	-1.40	1.77
		-0.18	0.06			-0.08		0.02			-0.25	0.04			-0.06
6336	6.90	1.07	2.11	7.67	0.51	2.09	6.77	1.91	1.23	6.80	0.06	0.00	7.27	0.41	1.41
		0.32	0.10			0.09		0.06			0.37	0.06			0.02
6343	6.60	0.06	0.00	7.50	-0.45		6.40	0.01	0.00	6.87	0.27	1.64	7.27	0.41	1.41
		0.02	0.00			-0.08					0.00	0.00			0.09
6357	6.60	0.07	0.85	7.66	0.49	0.21	6.50	0.51	1.08	6.90	0.39	0.87	7.26	0.34	0.24
		0.02	0.04			0.09		0.01			0.10	0.05			0.12
6388	6.70	0.39	0.12	7.58	-0.01	0.21	6.38	-0.10	0.00	6.78	-0.02	0.16	7.39	1.53	0.14
		0.12	0.01			0.00		0.01			-0.02	0.00			-0.01
6718	6.22	-1.21	0.97	7.64	0.36	0.96	6.18	-1.13	0.74	6.20	-1.88	1.56	7.13	-0.90	1.35
		-0.36	0.05			0.06		0.03			-0.22	0.03			-0.59
6791	6.74	0.54	0.12	7.59	0.07	0.00	6.36	-0.20	0.21	6.79	0.02	0.16	7.41	1.72	0.14
		0.16	0.01			0.01		0.00			-0.04	0.01			0.01
6816	6.22	-1.22		7.81	1.34		6.10	-1.55		6.51	-0.87		7.22	-0.03	
		-0.36				0.23					-0.30				-0.27

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6833	6.52	-0.22	0.80	7.41	-0.97	0.36	6.40	0.01	0.64	6.53	-0.80	0.59	7.10	-1.15	0.49
6838	6.80	-0.07	0.04	7.51	-0.17	0.01	6.54	0.00	0.03	6.84	-0.25	0.02	7.23	-0.12	0.02
6854	6.56	0.75	2.08	7.49	-0.39	0.72	6.41	0.75	2.71	6.92	0.20	1.00	7.20	0.09	0.75
		0.22	0.10		-0.07	0.02		0.15	0.13		0.06	0.04		0.01	0.03
		-0.08	0.68		-0.53	1.37		0.08	0.49		0.44	0.98		-0.25	1.59
		-0.03	0.03		-0.09	0.04		0.02	0.02		0.14	0.03		-0.03	0.07
Grand Median		6.58			7.58			6.40			6.78			7.22	
Median Abs Dev		0.09			0.08			0.03			0.09			0.04	
Avg Within Lab SD		0.05			0.03			0.05			0.04			0.04	
Labs Included		16			16			16			16			16	
Labs Reporting		16			16			16			16			16	

Sikora Buffer pH (122)				in the Buffer pH, Lime Requirement Property Groups											Data units: Unit	
6276	6.83	0.58	0.78	7.61	0.62	1.17	6.61	0.47	0.39	6.96	0.79	0.75	7.31	0.68	0.38	
6330	7.10	0.13	0.06	7.60	0.05	0.02	6.90	0.10	0.02	6.93	0.12	0.05	7.37	0.08	0.02	
6338	6.72	1.81	2.34	7.55	0.50	0.00	6.51	1.78	2.27	6.79	0.62	2.15	7.23	1.15	1.27	
6802	6.54	0.39	0.17	7.56	0.04	0.00	6.19	0.39	0.10	6.72	0.10	0.15	7.09	0.14	0.06	
6810	6.71	0.06	0.23	7.68	-0.17	0.39	6.55	0.00	0.47	6.84	-0.30	0.42	7.30	0.00	0.25	
6833	6.52	0.01	0.02	7.43	-0.01	0.01	6.42	0.00	0.02	6.55	-0.05	0.03	7.11	0.00	0.01	
6854	6.56	-0.75	0.08	7.53	0.00	1.35	6.41	-1.43	0.23	6.90	-0.77	0.78	7.21	-1.15	1.40	
		-0.16	0.01		0.00	0.02		-0.32	0.01		-0.12	0.06		-0.14	0.06	
		0.00	0.34		1.45	1.56		0.21	0.66		0.00	0.08		0.63	0.13	
		0.00	0.03		0.12	0.02		0.05	0.03		0.00	0.01		0.08	0.01	
		-0.84	0.69		-1.66	0.39		-0.41	0.57		-1.85	0.22		-0.98	0.46	
		-0.18	0.05		-0.13	0.01		-0.09	0.03		-0.29	0.02		-0.12	0.02	
		-0.67	0.49		-0.33	1.03		-0.42	0.80		0.40	0.99		-0.14	1.72	
		-0.15	0.04		-0.03	0.02		-0.09	0.04		0.06	0.07		-0.02	0.08	
Grand Median		6.71			7.56			6.51			6.84			7.23		
Median Abs Dev		0.15			0.04			0.09			0.10			0.08		
Avg Within Lab SD		0.07			0.01			0.04			0.07			0.05		
Labs Included		7			7			7			7			7		
Labs Reporting		7			7			7			7			7		

Adams-Evans Buffer pH (123)				in the Buffer pH, Lime Requirement Property Groups											Data units: Unit	
6278	7.39	-0.85	1.24				7.25	-0.39	1.24	7.64	-0.02	0.85				
6289	7.73	-0.15	0.03	7.91			7.64	-0.07	0.02	7.79	0.00	0.02	7.82			
		1.12	0.47					1.70	1.24		1.88	1.40				
		0.19	0.01					0.32	0.02		0.15	0.03				

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6388	7.60	0.37	0.00	7.83			7.38	0.30	0.62	7.64	0.02	0.00	7.70		
6791	7.47	-0.37	1.50	7.83			7.27	-0.30	0.72	7.58	-0.78	1.15	7.70		
		-0.06	0.03					-0.06	0.01		-0.06	0.02			
Grand Median		7.54			7.83			7.32			7.64			7.70	
Median Abs Dev		0.11			0.00			0.07			0.03			0.00	
Avg Within Lab SD		0.02			0.01			0.02			0.02			0.02	
Labs Included		4			3			4			4			3	
Labs Reporting		4			3			4			4			3	

Woodruff Buffer pH (124) in the Buffer pH, Lime Requirement Property Groups															
															Data units: Unit
6289	6.59	0.55	1.53	7.10	-0.34	1.60	6.51	0.81	0.70	6.63	0.61	1.06	6.96	0.00	1.55
6306	6.21	-0.91	0.81	7.33	-0.05	0.02	6.07	0.20	0.04	6.30	0.10	0.04	6.95	0.00	0.04
6353	6.82	1.44	0.00	7.29	1.15	0.46	6.07	-1.00	0.54	6.30	-1.34	0.78	6.95	-0.04	0.44
6388	6.53	-0.24	0.03	7.29	0.18	0.01	6.54	-0.25	0.03	6.63	-0.23	0.03	7.13	0.00	0.01
6664	6.07	0.38	0.00	7.09	0.91	0.00	6.54	0.92	1.51	6.63	0.61	0.00	7.13	2.13	2.00
6718	6.44	0.34	0.19	7.09	0.14	0.00	6.44	0.23	0.09	6.53	0.10	0.00	6.93	0.17	0.05
6802	6.43	-0.09	0.01	7.09	-0.43	0.46	6.44	0.50	0.10	6.53	0.00	0.17	6.93	-0.33	0.00
		-1.44	1.87		-0.07	0.01	6.07	0.12	0.01	6.53	0.00	0.01	6.93	-0.03	0.00
		-0.38	0.06				6.07	-1.00	1.94	6.33	-1.14	1.70	7.00	0.53	
		0.00	0.19	7.20	0.34	1.67	6.07	-0.25	0.12	6.33	-0.19	0.06	7.00	0.04	
		0.00	0.01	7.20	0.05	0.02	6.19	-0.50	0.29	6.43	-0.55	1.40	7.00	0.57	0.59
		-0.04	0.67	7.02	-0.89	0.46	6.19	-0.12	0.02	6.43	-0.09	0.05	7.00	0.05	0.02
		-0.01	0.02	7.02	-0.14	0.01	6.31	0.00	0.26	6.61	0.47	0.61	6.87	-1.11	0.22
							6.31	0.00	0.02	6.61	0.08	0.02	6.87	-0.09	0.01
Grand Median		6.44			7.15			6.31			6.53			6.96	
Median Abs Dev		0.14			0.10			0.20			0.10			0.04	
Avg Within Lab SD		0.03			0.01			0.06			0.03			0.03	
Labs Included		7			6			7			7			7	
Labs Reporting		7			6			7			7			7	

Mehlich Buffer pH (125) in the Buffer pH, Lime Requirement Property Groups															
															Data units: Unit
6802	6.04			6.98			5.91			6.25			6.58		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	6.04			6.98			5.91			6.25			6.58		
Median Abs Dev															
Avg Within Lab SD										0.03			0.01		
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		

NO3-N Cd. Rd. (126) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups															
															Data units: mg/kg
6276	7.17	-0.84	0.38	38.5	-0.09		5.17	-0.61	0.46	0.50	-0.17		29.7	-0.44	0.41
		-1.50	0.29		-0.5			-0.85	0.29		-0.20			-2.0	0.8
6283	9.33	0.37	0.81	37.1	-0.36	0.12	6.67	0.46	0.40	1.67	0.80	1.56	32.6	0.21	0.16
		0.67	0.61		-1.9	0.3		0.65	0.25		0.97	0.38		0.9	0.3
6288	7.77	-0.50	0.08	40.3	0.25	0.22	5.60	-0.30	0.28	0.70	0.00	0.41	31.3	-0.07	0.31
		-0.90	0.06		1.3	0.6		-0.42	0.17		0.00	0.10		-0.3	0.6
6289	6.30	-1.32	0.13	31.7	-1.36	0.22	5.97	-0.04	0.33	5.00	3.56		24.0	-1.71	0.54
		-2.37	0.10		-7.3	0.6		-0.05	0.21		4.30			-7.6	1.0
6291	8.67	0.00	0.97	37.9	-0.20	0.20	6.13	0.08	0.80	0.73	0.03	2.91	30.3	-0.31	0.35
		0.00	0.74		-1.1	0.5		0.12	0.50		0.03	0.71		-1.4	0.7
6304	12.34	2.05	0.74	49.1	1.88	0.15	9.28	2.32	0.51	3.17	2.04	1.97	44.1	2.79	0.45
		3.68	0.56		10.1	0.4		3.26	0.32		2.47	0.48		12.5	0.8
6305	8.35	-0.18	0.06	38.8	-0.04	0.20	5.78	-0.17	0.12	0.66	-0.03	0.01	29.2	-0.55	0.44
		-0.32	0.05		-0.2	0.5		-0.23	0.08		-0.04	0.00		-2.5	0.8
6306	6.55	-1.18	1.58	38.3	-0.12	2.00	5.22	-0.57	1.49	0.24	-0.38	0.15	30.8	-0.18	1.53
		-2.11	1.20		-0.7	5.2		-0.80	0.93		-0.46	0.04		-0.8	2.8
6327	9.09	0.24	0.10	36.2	-0.51	0.63	8.22	1.57	1.29	1.34	0.53	1.41	28.8	-0.64	0.46
		0.43	0.08		-2.8	1.6		2.20	0.81		0.64	0.34		-2.9	0.9
6330	10.33	0.93	1.53	40.3	0.25	1.24	6.67	0.46	0.92	2.00	1.08		31.3	-0.07	0.31
		1.67	1.15		1.3	3.2		0.65	0.58		1.30			-0.3	0.6
6334	9.67	0.56	0.76	45.3	1.17	1.46	8.00	1.41	1.60	2.00	1.08		33.0	0.31	1.87
		1.00	0.58		6.3	3.8		1.98	1.00		1.30			1.4	3.5
6335	9.80	0.63	0.26	39.0	0.00	0.50	7.20	0.84	0.48	1.27	0.47	0.95	32.3	0.16	0.46
		1.13	0.20		0.0	1.3		1.18	0.30		0.57	0.23		0.7	0.9
6336	8.43	-0.13	2.96	48.5	1.77	2.96	5.87	-0.11	3.09	0.50	-0.17		37.1	1.22	3.37
		-0.23	2.24		9.5	7.7		-0.15	1.93		-0.20			5.5	6.3
6338	6.54	-1.19	0.23	28.7	-1.92	0.12	4.08	-1.38	0.19	0.20	-0.41	0.28	25.1	-1.46	0.28
		-2.13	0.18		-10.3	0.3		-1.94	0.12		-0.50	0.07		-6.5	0.5
6343	8.93	0.15	0.08	37.5	-0.28	0.37	6.30	0.20	0.32	0.40	-0.25	0.41	29.5	-0.48	0.62
		0.27	0.06		-1.5	1.0		0.28	0.20		-0.30	0.10		-2.2	1.2
6361	8.50	-0.09	0.66	42.2	0.59	1.31	6.33	0.23	1.22	0.67	-0.03	1.19	32.5	0.19	2.04
		-0.17	0.50		3.2	3.4		0.32	0.76		-0.03	0.29		0.9	3.8
6382	9.37	0.39	0.28	42.8	0.70	0.46	6.20	0.13	0.28	0.27	-0.36	0.47	36.4	1.07	0.60
		0.70	0.21		3.8	1.2		0.18	0.17		-0.43	0.12		4.8	1.1

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6388	11.75	1.72	0.12	40.7	0.31	0.09	8.57	1.82	0.25	3.23	2.10	0.85	35.4	0.85	0.00
6396	11.55	3.08	0.09	42.5	1.7	0.2	8.40	2.55	0.16	0.82	2.53	0.21	35.9	3.8	0.0
6401	5.30	1.61	2.51	25.5	0.64	0.88	3.67	1.70	2.41	0.82	0.10	1.35	25.0	0.95	1.38
6408	9.00	2.89	1.90	39.7	3.5	2.3	6.00	2.38	1.51	0.82	0.12	0.33	25.0	4.2	2.6
6620	9.12	-1.88	1.59	46.7	-2.50	2.25	6.05	-1.67	0.56	0.31	-0.39	0.01	31.5	-1.49	0.27
6649	7.91	-3.37	1.20	36.9	-13.5	5.8	5.29	-2.35	0.35	0.31	-0.39	0.01	31.5	-6.7	0.5
6664	7.40	0.19		38.0	0.12	0.22	4.67	-0.01		0.40	-0.25	0.41	31.6	0.53	
6802	7.87	0.33		36.4	0.7	0.6	5.37	-0.02		1.00	0.30		28.9	2.4	
6854	8.87	0.26	0.78	40.5	1.43	0.10	5.77	0.02	0.55	0.33	-0.30	0.63	34.7	0.42	0.62
6879	8.48	0.46	0.59	41.2	7.7	0.3	6.02	0.03	0.34	0.22	2.14	0.26	35.3	1.9	1.2
Grand Median		0.46	0.47		-0.38	0.43		-0.52	0.04		-0.32	0.03		-0.02	0.37
Median Abs Dev		-0.75	0.35		-2.1	1.1		-0.72	0.02		-0.39	0.01		-0.1	0.7
Avg Within Lab SD		-0.71	0.23		-0.19	0.10		-0.96	0.24		-0.25	0.41		0.00	0.30
Labs Included		-1.27	0.17		-1.0	0.3		-1.35	0.15		-0.30	0.10		0.0	0.6
Labs Reporting		-0.45	0.28		-0.48	0.62		-0.46	0.40		0.25			-0.61	0.62
		-0.80	0.21		-2.6	1.6		-0.65	0.25		0.30			-2.7	1.2
		0.11	0.33		0.27	0.26		-0.18	0.18		-0.30	0.15		0.68	0.33
		0.20	0.25		1.5	0.7		-0.25	0.12		-0.37	0.15		3.0	0.6
		-0.10	0.04		0.40	0.30		0.00	0.05		-0.40	0.12		0.82	0.32
		-0.18	0.03		2.2	0.8		0.00	0.03		-0.48	0.03		3.7	0.6
Grand Median		8.67			39.0			6.02			0.70			31.6	
Median Abs Dev		0.80			2.1			0.65			0.43			2.4	
Avg Within Lab SD		0.76			2.6			0.63			0.24			1.9	
Labs Included		27			27			27			25			27	
Labs Reporting		27			27			27			25			27	

NO3-N ISE (127)

in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups

Data units: mg/kg

6626	9.67	1.24	0.52	39.5	-0.93	0.30	7.42	0.54	0.45	4.00	2.12	0.98	26.2	-1.36	0.34
6780	9.73	0.93	0.29	43.9	-4.4	0.7	8.38	0.84	0.14	0.77	2.22	0.25	34.3	-4.6	0.6
6791	8.74	1.33	1.49	39.8	0.00	1.22	6.58	1.16	0.72	2.07	-0.96	0.92	30.8	1.03	0.68
6810	8.37	1.00	0.83	47.3	0.0	2.7	4.43	1.80	0.23	1.77	-1.01	0.24	30.1	3.5	1.2
6833	8.51	0.00	0.82	48.1	-0.86	0.89	6.14	0.00	1.20	1.78	0.28	0.97	33.4	0.00	0.63
		0.00	0.46		-4.1	2.0		0.00	0.39		0.29	0.25		0.0	1.1
		-0.50	1.35		0.71	1.56		-1.39	1.47		-0.01	1.49		-0.21	1.81
		-0.37	0.75		3.4	3.5		-2.15	0.47		-0.01	0.38		-0.7	3.3
		-0.30	0.11		0.88	0.47		-0.28	0.82		0.00	0.13		0.78	0.86
		-0.22	0.06		4.2	1.0		-0.44	0.26		0.00	0.03		2.7	1.6



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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	8.74			43.9			6.58			1.78			30.8		
Median Abs Dev	0.37			4.1			0.84			0.29			2.7		
Avg Within Lab SD	0.56			2.2			0.32			0.25			1.8		
Labs Included	5			5			5			5			5		
Labs Reporting	5			5			5			5			5		

NO3-N CTA (128)		in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg			
6278	9.43			39.6			6.60			0.63			34.2		
6357	9.33			37.3			6.83			1.25			30.4		
6383	9.67			4.3			58.33			4.33			26.7		
Grand Median	9.43			37.3			6.83			1.25			30.4		
Median Abs Dev	0.10			2.4			0.23			0.62			3.8		
Avg Within Lab SD										0.44			1.8		
Labs Included	3			3			3			3			3		
Labs Reporting	3			3			3			3			3		

NH4 - N (KCl Extr.) (130)		in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups										Data units: mg/kg			
6276	60.3	-1.43	1.94	16.5	-1.35	0.69	4.50	-0.72	0.84	17.7	-1.12	0.70	6.7	-1.92	0.23
		-36.9	7.7		-7.6	0.9		-1.73	0.50		-7.1	1.0		-4.3	0.6
6278	99.7	0.09	1.90	21.9	-0.39	0.49	7.00	0.32	0.33	29.2	0.69	0.89	11.1	0.05	0.24
		2.5	7.5		-2.2	0.6		0.77	0.20		4.4	1.3		0.1	0.6
6283	107.0	0.38	0.38	25.9	0.31	0.60	6.20	-0.01	0.73	23.5	-0.21	0.68	10.5	-0.23	0.64
		9.8	1.5		1.7	0.8		-0.03	0.44		-1.3	1.0		-0.5	1.6
6305	93.5	-0.15	0.16	28.6	0.80	0.73	2.90	-1.38	0.44	29.9	0.80	0.47	11.0	-0.01	0.29
		-3.8	0.7		4.5	0.9		-3.33	0.26		5.1	0.7		0.0	0.7
6306	97.1	0.00	0.31	31.2	1.24	0.30	9.30	1.26	0.53	32.1	1.15	0.63	11.5	0.22	0.06
		-0.1	1.2		7.0	0.4		3.04	0.32		7.3	0.9		0.5	0.2
6327	105.6	0.33	2.23	24.6	0.08	0.38	6.50	0.11	1.79	25.9	0.18	1.71	11.3	0.16	0.55
		8.4	8.8		0.4	0.5		0.27	1.07		1.1	2.5		0.4	1.4
6330	56.3	-1.58	0.39	21.9	-0.39	2.23	5.10	-0.48	0.68	24.9	0.02	1.49	9.4	-0.72	0.22
		-40.9	1.5		-2.2	2.8		-1.15	0.41		0.1	2.2		-1.6	0.6
6334	24.3	-2.82	0.39	7.7	-2.91	0.46	5.00	-0.51	1.67	8.0	-2.63	1.17	4.7	-2.81	0.60
		-72.9	1.5		-16.5	0.6		-1.23	1.00		-16.8	1.7		-6.3	1.5
6343	97.3	0.00	0.12	22.4	-0.30	0.12	5.60	-0.25	0.26	22.7	-0.34	0.39	9.7	-0.59	0.06
		0.1	0.5		-1.7	0.2		-0.60	0.15		-2.1	0.6		-1.3	0.2

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6357	84.6	-0.49	1.02	23.9	-0.04	0.32	7.30	0.42	0.72	26.3	0.24	0.70	11.0	0.02	0.10
6361	10.3	-12.6	4.0	32.2	-0.2	0.4	10.20	1.02	0.43	33.1	1.5	1.0	17.2	0.1	0.3
6407	107.6	-3.36	0.35	25.6	1.43	0.20	6.00	1.66	0.42	24.4	1.30	0.74	9.3	2.77	4.14
6408	100.0	-86.9	1.4	25.7	8.1	0.3	6.30	4.00	0.25	24.7	8.3	1.1	11.7	6.2	10.6
6409	98.0	0.40	0.49	23.7	0.25	0.34	8.70	-0.11	0.12	24.3	-0.06	0.33	11.0	-0.74	0.04
6649	96.7	10.4	1.9	24.0	1.4	0.4	7.20	-0.27	0.07	27.0	-0.4	0.5	10.4	-1.7	0.1
6664	88.1	0.11		21.8	0.27	1.21	4.70	0.01	0.42	25.0	-0.02	0.39	8.1	0.30	0.23
6791	82.0	2.8		26.3	1.5	1.5	5.00	0.03	0.25	26.6	-0.1	0.6	11.3	0.7	0.6
6802	102.8	0.03	0.51	10.7	-0.08	0.46	0.10	1.01	1.93	0.1	-0.07	1.03	12.7	0.01	
6854	106.0	0.8	2.0	24.3	-0.5	0.6	8.40	2.43	1.15	24.7	-0.5	1.5	11.1	0.0	
6879	118.3	-0.02	0.93	26.6	-0.02	2.05	6.80	0.40	1.55	24.2	0.34	1.99	10.1	-0.24	0.38
		-0.5	3.7		-0.1	2.6		0.96	0.93		2.2	2.9		-0.5	1.0
		-0.35	0.58		-0.41	0.68		-0.62	0.92		0.03	0.61		-1.30	0.15
		-9.1	2.3		-2.3	0.9		-1.50	0.55		0.2	0.9		-2.9	0.4
		-0.59	0.04		0.39	0.39		-0.51	0.33		0.29	0.76		0.15	0.06
		-15.2	0.2		2.2	0.5		-1.24	0.20		1.8	1.1		0.3	0.2
		0.21	0.31		-2.37	0.76		-2.54	0.00		-3.87	0.00		0.78	0.63
		5.6	1.2		-13.4	1.0		-6.13	0.00		-24.7	0.0		1.8	1.6
		0.34	1.77		0.02	2.00		0.90	1.81		-0.02	1.85		0.07	0.91
		8.8	7.0		0.1	2.5		2.17	1.08		-0.1	2.7		0.2	2.3
		0.81	0.99		0.44	1.30		0.25	0.63		-0.10	0.48		-0.41	0.36
		21.1	3.9		2.5	1.6		0.60	0.38		-0.6	0.7		-0.9	0.9
Grand Median		97.2			24.1			6.23			24.8			11.0	
Median Abs Dev		8.9			2.2			1.19			1.7			0.6	
Avg Within Lab SD		3.9			1.3			0.60			1.5			2.6	
Labs Included		20			20			20			20			20	
Labs Reporting		20			20			20			20			20	

Amino Nitrogen (131)					in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups					Data units: mg/kg				
6288	231.3			83.0			310.3			63.3		268.0		
6322	198.0			84.3			267.3			79.0		257.3		
Grand Median	214.7			83.7			288.8			71.2		262.7		
Median Abs Dev	16.7			0.7			21.5			7.8		5.3		
Avg Within Lab SD										5.3		16.6		
Labs Included	2			2			2			2		2		
Labs Reporting	2			2			2			2		2		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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 (1:10) (132)	in the Phosphorus and Sulfur Property Groups														
	Data units: mg/kg														
6283	102.3	0.00	0.42	3.17	-0.20	0.07	54.8	-0.11	0.33	7.40	-0.60	1.14	81.7	-0.40	0.02
		0.0	3.4		-4.07	0.31		-1.2	1.8		-2.27	1.44		-8.5	0.2
6288	96.0	-0.19		3.00	-0.21		52.3	-0.35	0.10	9.17	-0.13	0.23	88.3	-0.09	0.03
		-6.3			-4.23			-3.7	0.6		-0.50	0.29		-1.9	0.3
6289	101.3	-0.03	0.72	1.67	-0.27	0.14	54.0	-0.19	0.18	18.67	2.38	0.46	87.3	-0.14	0.14
		-1.0	5.9		-5.57	0.58		-2.0	1.0		9.00	0.58		-2.9	1.5
6304	96.6	-0.17	0.33	20.23	0.63	0.54	53.8	-0.21	0.18	15.34	1.50	0.39	89.3	-0.05	0.18
		-5.7	2.7		13.00	2.26		-2.2	1.0		5.67	0.49		-1.0	2.1
6306	109.7	0.22	0.14	6.47	-0.04	0.26	57.6	0.15	0.12	7.81	-0.49	0.56	98.0	0.37	0.16
		7.3	1.2		-0.77	1.09		1.6	0.7		-1.85	0.70		7.8	1.8
6327	190.3	2.67	1.66	114.33	5.20	4.05	85.9	2.85	4.09	9.72	0.01	1.91	138.3	2.27	4.13
		88.0	13.6		107.10	17.10		29.9	22.6		0.06	2.41		48.1	46.5
6330	103.0	0.02	0.53	12.33	0.25	0.36	58.3	0.22	0.46	9.67	0.00	0.92	95.0	0.22	0.23
		0.7	4.4		5.10	1.53		2.3	2.5		0.00	1.15		4.8	2.6
6336	72.7	-0.90	0.43	8.80	0.08	0.10	53.2	-0.26	0.13	8.13	-0.41	0.72	76.1	-0.67	0.19
		-29.7	3.5		1.57	0.44		-2.8	0.7		-1.53	0.90		-14.2	2.2
6338	101.8	-0.01	0.17	5.75	-0.07	0.11	53.5	-0.24	0.23	10.05	0.10	0.26	90.2	0.00	0.30
		-0.5	1.4		-1.48	0.45		-2.6	1.3		0.38	0.33		0.0	3.3
6353	44.9	-1.74	0.25	21.93	0.71	0.43	41.6	-1.37	0.35	7.43	-0.59	0.75	49.1	-1.94	0.10
		-57.5	2.0		14.70	1.82		-14.4	2.0		-2.23	0.95		-41.1	1.1
6388	162.1	1.81	0.04	5.32	-0.09	0.02	77.1	2.01	0.09	5.92	-0.99	0.03	136.3	2.17	0.03
		59.7	0.3		-1.91	0.08		21.1	0.5		-3.75	0.04		46.1	0.3
6664	115.3	0.39	0.14	8.00	0.04		50.3	-0.54	0.21	13.00	0.88	2.38	97.7	0.35	0.14
		13.0	1.2		0.77			-5.7	1.2		3.33	3.00		7.4	1.5
6718	100.7	-0.05	0.28	4.33	-0.14	0.14	59.7	0.35	0.10	13.33	0.97	0.46	96.0	0.27	0.18
		-1.7	2.3		-2.90	0.58		3.7	0.6		3.67	0.58		5.8	2.0
6787	86.0	-0.50	0.21	10.33	0.15	0.36	56.0	0.00	0.54	10.00	0.09		84.3	-0.28	0.22
		-16.3	1.7		3.10	1.53		0.0	3.0		0.33			-5.9	2.5
6791	179.3	2.33	3.69	6.12	-0.05	0.34	77.6	2.06	0.69	5.90	-1.00	0.32	143.8	2.53	1.19
		77.0	30.2		-1.11	1.42		21.6	3.8		-3.77	0.41		53.5	13.4
6802	126.8	0.74	0.79	5.55	-0.08	0.02	62.5	0.62	0.69	7.67	-0.53	1.39	101.4	0.53	0.27
		24.5	6.4		-1.69	0.08		6.5	3.8		-2.00	1.75		11.2	3.1
6810	87.7	-0.44	0.14				62.8	0.65	0.36	10.43	0.20	1.15	84.7	-0.26	0.13
		-14.6	1.2					6.8	2.0		0.77	1.45		-5.6	1.4
6833	105.3	0.09	0.46	44.33	1.80	0.72	50.0	-0.57	0.36	14.00	1.15	1.37	90.0	-0.01	0.18
		3.0	3.8		37.10	3.06		-6.0	2.0		4.33	1.73		-0.2	2.0
6854	118.3	0.49	0.51	51.00	2.13	0.24	56.7	0.06	0.28	6.67	-0.79	0.46	96.0	0.27	0.23
		16.0	4.2		43.77	1.00		0.7	1.5		-3.00	0.58		5.8	2.6

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median		102.3			7.23			56.0			9.67			90.2	
Median Abs Dev		13.0			3.58			3.7			2.23			5.9	
Avg Within Lab SD		8.2			4.22			5.5			1.26			11.3	
Labs Included		19			18			19			19			19	
Labs Reporting		19			18			19			19			19	

PO4-P Bray P1 (1:7) (133)			in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
6283	88.4	1.10	1.11	8.5	-1.33	1.31	42.2	0.52	1.32	6.17	0.24	0.86	60.3	0.40	0.97		
		15.0	3.2		-12.5	1.2		3.8	2.3		0.70	0.87		6.0	2.2		
6334	72.7	-0.05	1.61	18.0	-0.32		44.0	0.78	0.99	10.33	1.70	1.50	63.7	0.62	0.94		
		-0.8	4.6		-3.0			5.7	1.7		4.87	1.53		9.3	2.1		
6343	53.0	-1.49	0.35	24.0	0.32	1.14	32.0	-0.87	0.57	4.00	-0.51	0.98	35.0	-1.29	0.45		
		-20.4	1.0		3.0	1.0		-6.4	1.0		-1.47	1.00		-19.4	1.0		
6357	74.2	0.05	0.19	27.8	0.72	0.98	34.5	-0.52	0.98	4.77	-0.24	0.25	48.4	-0.40	1.40		
		0.8	0.6		6.8	0.9		-3.8	1.7		-0.70	0.25		-6.0	3.1		
Grand Median		73.4			21.0			38.4			5.47			54.4			
Median Abs Dev		7.9			4.9			4.7			1.08			7.6			
Avg Within Lab SD		2.9			0.9			1.8			1.02			2.2			
Labs Included		4			4			4			4			4			
Labs Reporting		4			4			4			4			4			

PO4-P Olsen/Bicarb (1:20) (134)			in the Phosphorus and Sulfur Property Groups												Data units: mg/kg		
6278	44.5	-0.06	0.18	16.2	-0.07	0.15	23.8	-0.02	0.40	4.43	-0.32	0.15	38.6	-0.42	0.07		
		-0.7	0.5		-0.4	0.2		-0.2	0.7		-1.08	0.15		-5.7	0.2		
6283	50.9	0.43	0.85	14.3	-0.42	1.29	24.6	0.05	0.94	4.43	-0.32	0.78	45.8	0.11	0.36		
		5.6	2.4		-2.2	1.3		0.6	1.7		-1.08	0.78		1.5	1.1		
6288	41.3	-0.30	0.20	14.1	-0.47	0.12	19.7	-0.38	0.32	2.77	-0.82	0.06	39.3	-0.37	0.19		
		-3.9	0.6		-2.5	0.1		-4.3	0.6		-2.75	0.06		-5.0	0.6		
6291	45.9	0.05	0.33	17.1	0.10	0.71	23.4	-0.05	0.21	3.73	-0.53	0.95	44.7	0.03	0.35		
		0.6	1.0		0.6	0.7		-0.6	0.4		-1.78	0.95		0.4	1.1		
6305	48.8	0.27	0.38	14.0	-0.47	0.42	23.8	-0.01	0.22	5.36	-0.05	0.10	39.6	-0.35	0.13		
		3.5	1.1		-2.5	0.4		-0.2	0.4		-0.15	0.10		-4.7	0.4		
6306	57.1	0.91	0.51	28.7	2.31	0.21	27.0	0.27	1.60	7.40	0.56	1.13	55.1	0.79	0.04		
		11.8	1.5		12.2	0.2		3.0	2.9		1.88	1.13		10.7	0.1		
6330	41.0	-0.33	0.70	15.0	-0.29	2.02	20.7	-0.30	1.28	4.67	-0.25	1.16	39.0	-0.39	1.50		
		-4.3	2.0		-1.5	2.0		-3.3	2.3		-0.85	1.15		-5.3	4.6		
6334	38.0	-0.56	0.35	17.7	0.22	1.17	21.7	-0.21	1.60	8.67	0.94	1.16	34.7	-0.71	0.19		
		-7.3	1.0		1.2	1.2		-2.3	2.9		3.15	1.15		-9.7	0.6		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6335	35.1	-0.78	0.42	14.9	-0.31	0.31	18.4	-0.50	0.15	4.07	-0.43	0.21	45.6	0.09	0.30
6336	43.1	-10.2	1.2	15.3	-1.7	0.3	22.4	-5.6	0.3	10.83	-1.45	0.21	40.1	1.2	0.9
6338	47.0	-0.16	1.11	14.3	-0.23	1.56	24.7	-0.14	0.48	4.33	1.59	3.42	44.7	-0.31	0.77
6343	40.0	-2.1	3.2	13.7	-1.2	1.5	24.0	-1.6	0.9	6.00	5.32	3.41	36.0	-4.2	2.4
6357	55.0	0.13	0.35	18.0	-0.42	0.58	29.9	0.06	0.64	6.79	-0.35	0.58	50.9	0.02	0.50
6361	44.7	1.7	1.0	17.3	-2.2	0.6	24.0	0.7	1.2	5.00	-1.18	0.58	44.0	0.3	1.5
6382	48.3	-0.41	0.35	19.3	-0.54	0.58	28.3	0.00		4.19	0.15		49.0	-0.61	
6383	37.3	-5.3	1.0	3.3	-2.9	0.6	94.3	0.0		11.00	0.49		9.0	-8.3	
6396	66.4	0.75	0.37	23.5	0.27	0.87	34.1	0.52	0.53	9.30	0.38	0.22	64.3	0.49	0.80
6620	36.5	9.7	1.0	14.3	1.4	0.9	18.9	5.9	1.0	7.63	1.27	0.22	26.6	6.6	2.5
6626	50.1	-0.05	1.42	19.3	0.16	1.54	25.6	0.00	0.96	4.77	-0.15	1.00	48.2	-0.02	1.43
6649	43.3	-0.6	4.0	15.0	0.8	1.5	22.1	0.0	1.7	3.20	-0.51	1.00	36.5	-0.3	4.4
6664	56.3	0.24	1.45	19.0	0.53	1.56	24.0	0.38	2.30	5.67	-0.40	0.20	47.7	0.34	2.33
6780	42.6	3.1	4.1	16.9	2.8	1.5	21.8	4.3	4.1	6.80	-1.33	0.20	36.9	4.7	7.1
6802	44.7	-0.61	1.13	15.7	-2.51	0.58	26.0	6.24	0.64	6.00	1.64	1.00	42.0	-2.60	0.33
6810	130.0	-7.9	3.2	38.7	-13.2	0.6	90.1	70.3	1.2	22.81	5.49	1.00	99.5	-35.3	1.0
6854	52.0	1.63	0.57	20.0	1.32	0.67	27.0	0.90	0.20	6.00	1.13	0.27	52.0	1.46	0.63
6879	51.8	21.1	1.6	17.0	7.0	0.7	26.8	10.1	0.4	5.10	3.79	0.26	53.5	19.9	1.9
		-0.68	0.56	14.3	-0.42	0.97		-0.46	1.94		0.63	0.80		-1.30	1.93
		-8.8	1.6	14.3	-2.2	1.0		-5.1	3.5		2.12	0.79		-17.7	5.9
		0.38	0.34	19.3	0.52	0.21		0.14	0.12		-0.22	0.12		0.28	0.24
		4.9	1.0	15.0	2.8	0.2		1.6	0.2		-0.75	0.12		3.9	0.7
		-0.16	1.14	15.0	-0.29	0.61		-0.17	0.17		-0.69	0.20		-0.58	1.53
		-2.0	3.3	19.0	-1.5	0.6		-1.9	0.3		-2.31	0.20		-7.9	4.7
		0.85	0.20	19.0	0.47			0.00			0.05	0.58		0.24	0.50
		11.1	0.6	16.9	2.5			0.0			0.15	0.58		3.3	1.5
		-0.21	1.12	16.9	0.07	1.57		-0.19	2.34		0.38	0.20		-0.54	1.88
		-2.7	3.2	15.7	0.4	1.6		-2.2	4.2		1.29	0.20		-7.4	5.7
		-0.05	0.54	15.7	-0.16	0.58		0.18	0.55		0.15	1.00		-0.17	1.18
		-0.6	1.5	15.7	-0.9	0.6		2.0	1.0		0.49	1.00		-2.3	3.6
		6.53	3.64	38.7	4.21	2.06		5.86	0.90		5.16	0.87		4.06	1.56
		84.7	10.4	38.7	22.1	2.0		66.1	1.6		17.30	0.86		55.2	4.8
		0.52		20.0	0.66			0.27			0.15			0.56	
		6.7		20.0	3.5			3.0			0.49			7.7	
		0.50	0.00	17.0	0.10	0.41		0.25	0.13		-0.12	1.84		0.68	0.35
		6.5	0.0	17.0	0.5	0.4		2.8	0.2		-0.41	1.84		9.2	1.1
Grand Median		45.3			16.5			24.0			5.51			44.3	
Median Abs Dev		5.1			2.2			2.3			1.28			5.5	
Avg Within Lab SD		2.9			1.0			1.8			1.00			3.0	
Labs Included		26			26			26			26			26	
Labs Reporting		26			26			26			26			26	



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SRS0901				SRS0902				SRS0903				SRS0904				SRS0905				
Sample Mean	Z Score	k Score	Difference W/L STD	Sample Mean	Z Score	k Score	Difference W/L STD	Sample Mean	Z Score	k Score	Difference W/L STD	Sample Mean	Z Score	k Score	Difference W/L STD					
PO4-P Mod. Kelowna (136) in the Phosphorus and Sulfur Property Groups																				
Data units: mg/kg																				
6409				105.0				17.3				52.7				9.67				77.3
Grand Median				105.0			17.3			52.7			9.67			77.3				
Median Abs Dev																				
Avg Within Lab SD																				
Labs Included																				
Labs Reporting																				
PO4-P Strong Bray (1:10) (137) in the Phosphorus and Sulfur Property Groups																				
Data units: mg/kg																				
6278	243.5	1.75	0.68	274.0	1.70	1.19	95.3	1.81	0.85	80.7	4.62	2.17	165.0	1.64	0.29					
6288	199.7	-0.24	0.13	213.3	0.26	0.14	71.0	-0.51	0.33	9.0	-0.11	2.5	134.7	-0.96	0.06					
6306	224.7	0.90	0.27	221.0	0.45	0.60	78.7	0.22	0.31	10.0	-0.05	0.50	154.0	0.70	0.22					
6330	193.0	-0.55	0.23	172.0	-0.71	0.14	79.7	0.32	1.28	14.0	0.22	0.86	140.0	-0.50	0.22					
6338	175.7	-1.34	2.62	191.0	-0.26	2.47	71.3	-0.48	1.71	12.7	0.13	1.32	138.3	-0.64	2.65					
6664	208.0	0.14	0.38	217.3	0.36	0.11	70.0	-0.60	0.50	11.3	0.04	0.50	151.3	0.47	0.23					
6810	212.6	0.35	0.61	184.4	-0.42	0.23	89.3	1.23	1.51	10.1	-0.04	0.54	148.6	0.24	0.87					
6854	202.0	-0.14	-3.0	150.0	-1.23	-52.2	74.0	-0.22	-2.3	8.0	-0.18	-2.7	143.0	-0.24	-2.8					
Grand Median				205.0			202.2			76.3			10.7			145.8				
Median Abs Dev																				
Avg Within Lab SD																				
Labs Included																				
Labs Reporting																				
SO4 - S (PO4 Extr.) (139) in the Phosphorus and Sulfur Property Groups																				
Data units: mg/kg																				
6276	4.33	-0.16	0.34	16.7	-0.22	0.40	4.17	-0.04	0.32	12.17	0.55	0.31	6.17	-0.33	0.25					
6278	4.00	-0.22	1.17	14.7	-0.35	0.40	1.67	-0.65	0.64	7.00	-0.47	0.29	4.00	-0.80	0.88					

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6283	5.23	0.00	1.34	16.8	-0.20	0.87	3.43	-0.22	1.14	11.30	0.38	1.06	6.83	-0.18	1.54
6288	0.10	-0.91	0.00	18.2	-0.11	0.99	0.30	-0.99	0.01	7.99	-0.27	0.06	10.33	0.58	0.25
6304	2.92	-5.13	0.00	7.5	-1.7	1.4	2.40	-4.03	0.01	4.07	-1.39	0.06	2.85	2.67	0.29
6305	6.65	-0.41	0.44	26.3	-0.84	0.39	8.56	-0.47	0.17	6.49	-1.05	0.13	8.48	-1.05	0.22
6306	11.45	-2.32	0.38	25.5	-12.3	0.6	8.74	-1.93	0.15	16.57	-5.31	0.12	12.42	-4.81	0.25
6327	18.07	0.25	0.09	53.1	0.44	0.69	11.98	1.04	0.04	10.23	-0.57	0.35	19.30	0.18	0.21
6334	11.00	1.42	0.07	29.3	6.5	1.0	6.00	4.23	0.04	15.33	-2.89	0.33	7.67	0.82	0.24
6338	4.64	1.10	1.27	19.8	0.39	0.61	2.41	1.08	1.61	9.38	1.42	2.38	4.16	1.03	0.45
6343	10.00	6.22	1.09	26.0	5.7	0.9	10.00	4.40	1.44	6.00	7.19	2.20	13.00	4.75	0.51
6353	9.66	2.26	1.38	56.1	2.25	0.90	6.55	1.87	2.78	23.53	0.17	1.34	8.31	2.53	2.05
6357	13.43	12.83	1.18	24.7	33.3	1.3	7.47	7.65	2.49	12.47	0.86	1.24	9.63	11.63	2.33
6361	10.00	1.02	1.17	19.3	0.64	0.40	5.00	0.41	1.12	7.33	1.18	1.65	8.67	0.00	1.83
6382	2.11	5.77	1.00	12.8	9.5	0.6	0.66	1.67	1.00	8.96	5.96	1.53	3.73	0.00	2.08
6664	3.67	-0.10	0.52	16.3	0.00	0.43	4.33	-0.47	0.10	12.67	0.00	0.27	5.67	-0.76	0.79
6833	3.50	-0.59	0.44	50.5	0.0	0.6	2.43	-1.93	0.09	8.37	0.00	0.25	4.03	-3.51	0.90
		0.84			0.42			1.39	1.12		-0.67	1.08		1.16	0.88
		4.77	0.61		6.2	3.10		5.67	1.00		-3.38	1.00		5.33	1.00
		0.78			2.46			0.54	0.40		2.80	0.02		0.14	0.60
		4.43	0.52		36.3	4.5		2.21	0.36		14.15	0.02		0.65	0.68
		1.45	1.29		0.33	0.42		0.77	0.45		0.61	0.92		0.43	1.10
		8.20	1.11		4.9	0.6		3.13	0.40		3.09	0.85		1.97	1.25
		0.84	2.34		-0.03	1.58		0.16	1.12		-0.40	1.65		0.22	1.34
		4.77	2.00		-0.5	2.3		0.67	1.00		-2.04	1.53		1.00	1.53
		-0.55	0.46		-0.48	0.14		-0.90	0.46		-0.08	0.08		-0.86	0.20
		-3.12	0.40		-7.1	0.2		-3.67	0.41		-0.41	0.07		-3.93	0.23
		-0.28	0.67		-0.24	0.40		0.00	0.64		0.65	0.62		-0.44	1.01
		-1.57	0.58		-3.5	0.6		0.00	0.58		3.29	0.58		-2.00	1.15
		-0.31	0.42		2.07	0.59		-0.47	0.36		-0.20	0.54		-0.79	0.28
		-1.73	0.36		30.7	0.9		-1.90	0.32		-1.01	0.50		-3.63	0.32
Grand Median		5.23			19.8			4.33			9.38			7.67	
Median Abs Dev		3.12			5.7			2.21			2.79			2.67	
Avg Within Lab SD		0.86			1.5			0.90			0.93			1.14	
Labs Included		17			17			17			17			17	
Labs Reporting		17			17			17			17			17	

K Ammonium Acetate (140)

in the Bases (1:10) Property Groups

Data units: mg/kg

6283	334.7	0.00	0.67	475.0	0.00	0.61	156.7	0.02	0.25	37.0	-0.41	0.93	265.7	0.24	0.44
6288	277.7	0.0	6.7	414.7	-0.3	10.4	125.3	3.1	2.1	45.7	-7.3	2.6	221.7	11.2	6.7
		-0.94	0.25		-0.61	0.09		-0.15	0.14		0.07	0.20		-0.70	0.19
		-57.0	2.5		-60.7	1.5		-28.3	1.2		1.3	0.6		-32.8	2.9

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6289	220.4	-1.89	0.26	326.0	-1.50	0.96	122.0	-0.17	1.12	31.4	-0.72	0.84	211.2	-0.92	0.52
6304	213.4	-2.01	1.11	261.3	-2.15	0.97	106.1	-0.25	0.66	53.4	0.51	1.22	179.6	-1.59	0.24
6305	301.2	-0.56	0.38	444.6	-0.31	0.36	140.5	-0.07	0.05	57.3	0.73	0.48	246.3	-0.17	0.07
6306	339.1	-33.5	3.8	520.1	-30.8	6.1	154.0	-13.1	0.4	53.6	13.0	1.4	254.5	-8.2	1.1
6327	362.0	0.07	2.24	481.7	0.45	1.59	173.3	0.00	1.05	37.9	0.52	0.99	276.7	0.00	1.59
6330	286.3	4.4	22.4	444.7	44.8	27.1	172.3	0.4	8.8	75.0	9.3	2.8	261.3	0.0	23.7
6334	321.0	0.45	2.26	529.3	0.06	3.15	145.0	0.10	2.62	49.0	-0.36	1.79	300.3	0.47	1.90
6335	351.7	27.3	22.5	476.0	6.3	53.8	154.3	19.7	22.0	44.3	-6.4	5.1	281.7	22.2	28.5
6336	264.0	-0.80	1.10	380.3	-0.31	0.56	116.0	0.10	0.66	40.0	1.72	2.19	212.3	0.14	0.20
6338	313.3	-48.3	11.0	497.3	-30.7	9.6	157.3	18.7	5.5	50.7	30.7	6.2	246.0	6.8	3.1
6343	296.0	-0.23	0.82	400.0	0.54	1.14	128.0	-0.04	0.60	40.0	0.26	0.93	216.3	0.97	0.37
6353	230.3	-13.7	8.2	413.0	54.0	19.6	136.7	-8.6	5.0	38.0	4.7	2.6	185.7	45.8	5.5
6357	342.4	0.28	0.51	478.5	0.01	0.54	153.6	0.00	0.30	40.2	0.00	0.41	269.7	0.58	0.20
6361	299.7	17.0	5.1	464.0	0.7	9.2	142.3	0.7	2.5	44.7	0.0	1.2	242.7	27.2	3.1
6382	370.9	-1.17	1.00	503.9	-0.95	1.26	165.0	-0.20	0.12	40.3	-0.24	0.35	294.5	-0.89	0.43
6388	458.4	-70.7	10.0	86.7	-95.0	21.5	1,914.8	-37.6	1.0	137.4	-4.3	1.0	128.9	-42.2	6.5
6396	321.0	-0.35	2.58	445.0	0.22	2.26	136.3	0.02	1.51	35.7	0.36	1.13	248.7	-0.18	1.23
6620	322.0	-21.3	25.7	555.7	22.0	38.6	155.3	3.7	12.7	50.8	6.3	3.2	272.3	-8.5	18.4
6626	361.0	-0.64	0.20	569.7	-0.76	0.12	191.7	-0.13	0.24	35.7	-0.24	0.70	308.7	-0.81	0.70
6649	345.2	-38.7	2.0	475.4	-75.3	2.0	151.8	-25.6	2.0	41.8	-4.3	2.0	268.9	-38.2	10.5
6664	324.3	-1.73	0.75	480.3	-0.63	0.56	133.3	-0.09	0.30	34.0	-0.36	0.93	241.7	-1.46	0.14
6779	402.2	-104.3	7.5	554.5	-62.3	9.5	198.1	-16.9	2.5	45.1	-6.3	2.6	337.1	-68.8	2.1
		0.13	2.01		0.03	0.52		0.00	0.16		-0.23	0.37		0.32	0.45
		7.8	20.1		3.1	8.9		0.0	1.3		-4.2	1.0		15.2	6.7
		-0.58	1.08		-0.11	1.58		-0.06	1.42		0.02	0.73		-0.25	0.27
		-35.0	10.8		-11.3	27.1		-11.3	11.9		0.3	2.1		-11.8	4.0
		0.60	0.25		0.29	0.35		0.06	0.16		-0.23	0.06		0.85	0.22
		36.3	2.5		28.5	6.0		11.4	1.3		-4.0	0.2		40.0	3.3
		2.05	0.06		-3.91	0.17		9.20	3.32		5.22	0.75		-2.66	0.13
		123.8	0.6		-388.6	2.9		1,761.2	27.8		93.1	2.1		-125.6	2.0
		-0.23	0.17		-0.30	0.77		-0.09	0.85		-0.49	0.41		-0.12	0.15
		-13.7	1.7		-30.3	13.2		-17.3	7.1		-8.7	1.2		-5.8	2.3
		-0.21	0.35		0.81	0.65		0.01	0.28		0.36	0.25		0.38	0.14
		-12.7	3.5		80.3	11.2		1.7	2.3		6.5	0.7		17.8	2.1
		0.44	0.20		0.95	0.26		0.20	0.18		-0.49	0.54		1.15	0.17
		26.3	2.0		94.3	4.5		38.1	1.5		-8.7	1.5		54.2	2.5
		0.17	0.27		0.00	1.12		-0.01	0.51		-0.14	2.33		0.31	0.58
		10.5	2.7		0.1	19.2		-1.8	4.3		-2.5	6.6		14.4	8.7
		-0.17	0.64		0.05	0.42		-0.11	0.25		-0.58	0.61		-0.27	0.17
		-10.3	6.4		5.0	7.2		-20.3	2.1		-10.3	1.7		-12.8	2.5
		1.12	0.24		0.80	0.29		0.23	0.46		0.04	1.38		1.75	0.08
		67.5	2.4		79.1	4.9		44.5	3.9		0.7	3.9		82.6	1.2

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6780	365.6	0.51 30.9	0.95 9.5	495.6	0.20 20.3	0.21 3.7	161.8	0.04 8.2	0.25 2.1	43.7	-0.04 -0.7	0.20 0.6	256.8	0.05 2.3	4.51 67.5
6787	337.7	0.05 3.0	0.64 6.4	517.3	0.42 42.0	0.29 4.9	128.7	-0.13 -24.9	1.70 14.2	30.7	-0.77 -13.7	1.77 5.0	277.7	0.49 23.2	0.73 11.0
6791	465.3	2.17 130.7	0.60 6.0	85.3	-3.92 -390.0	0.09 1.5	1,926.7	9.26 1,773.1	0.54 4.5	137.3	5.22 93.0	1.13 3.2	139.7	-2.43 -114.8	0.21 3.2
6802	362.7	0.46 28.0	0.50 5.0	475.3	0.00 0.0	0.21 3.5	161.0	0.04 7.4	0.36 3.0	44.5	0.01 0.2	0.23 0.7	281.0	0.56 26.5	0.20 3.0
6833	322.7	-0.20 -12.0	0.47 4.7	464.0	-0.11 -11.3	0.51 8.7	146.3	-0.04 -7.3	0.07 0.6	48.0	0.21 3.7	0.93 2.6	253.3	-0.02 -1.2	0.19 2.9
6854	343.2	0.14 8.5	0.50 5.0	498.0	0.23 22.7	0.94 16.1	149.8	-0.02 -3.8	0.33 2.8	46.3	0.11 2.0	0.32 0.9	252.9	-0.03 -1.6	0.20 2.9
6879	367.4	0.54 32.7	0.24 2.4	448.0	-0.28 -27.4	0.60 10.2	168.2	0.08 14.6	0.11 0.9	39.8	-0.25 -4.5	0.09 0.3	261.3	0.14 6.8	0.24 3.7
Grand Median		334.7		475.3			153.6			44.3			254.5		
Median Abs Dev		28.0		30.7			14.6			6.3			22.2		
Avg Within Lab SD		10.0		17.1			8.4			2.8			15.0		
Labs Included		31		31			31			31			31		
Labs Reporting		31		31			31			31			31		

Ca Ammonium Acetate (141)

in the Bases (1:10) Property Groups

Data units: mg/kg

6283	573.7	0.00 0.0	0.72 15.7	4,467.3	0.35 474.6	0.88 141.5	2,606.0	0.00 0.0	0.26 30.0	116.7	-0.02 -4.0	0.57 9.6	2,144.3	0.04 12.7	0.20 18.5
6289	498.3	-0.29 -75.4	1.15 24.9	2,838.7	-0.84 -1,154.0	0.35 56.5	2,217.0	-1.09 -389.0	0.28 32.2	70.1	-0.19 -50.6	0.33 5.6	1,961.0	-0.50 -170.6	0.21 18.7
6304	400.3	-0.67 -173.3	0.92 19.9	2,841.7	-0.84 -1,151.0	1.99 319.7	1,627.0	-2.75 -979.0	0.51 59.9	121.3	0.00 0.7	1.03 17.2	1,382.3	-2.21 -749.3	0.10 9.3
6305	545.8	-0.11 -27.9	0.61 13.2	4,255.0	0.19 262.3	0.76 121.7	2,162.9	-1.25 -443.1	0.28 33.0	188.8	0.26 68.2	0.75 12.6	1,843.9	-0.85 -287.7	0.28 25.0
6306	543.2	-0.12 -30.5	0.57 12.4	3,956.7	-0.03 -36.0	1.24 200.4	2,526.7	-0.22 -79.3	2.26 264.3	100.5	-0.08 -20.1	0.73 12.3	1,955.0	-0.52 -176.6	1.04 94.0
6327	597.3	0.09 23.7	1.23 26.6	5,523.3	1.11 1,530.6	0.99 159.5	2,950.1	0.97 344.1	3.25 379.8	61.9	-0.23 -58.8	0.14 2.4	2,276.7	0.43 145.1	3.48 315.3
6330	533.7	-0.15 -40.0	0.40 8.6	3,733.0	-0.19 -259.7	0.43 69.4	2,545.3	-0.17 -60.7	0.99 115.7	172.7	0.20 52.0	1.40 23.5	2,196.0	0.19 64.4	0.10 9.0
6334	513.7	-0.23 -60.0	0.39 8.4	2,869.3	-0.82 -1,123.4	0.25 40.8	2,326.7	-0.79 -279.3	0.40 46.5	86.7	-0.13 -34.0	0.28 4.7	2,135.0	0.01 3.4	0.51 46.1
6335	548.0	-0.10 -25.7	0.17 3.6	4,341.7	0.25 349.0	0.50 81.1	2,619.0	0.04 13.0	0.28 32.5	76.3	-0.17 -44.3	0.28 4.6	2,201.7	0.21 70.1	0.19 17.5
6336	585.7	0.05 12.0	0.12 2.5	3,517.7	-0.35 -475.0	0.23 37.0	2,194.3	-1.16 -411.7	0.58 67.2	174.7	0.21 54.0	0.75 12.7	1,790.7	-1.01 -340.9	0.28 25.6

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD
6338	692.7	0.46	2.63	3,219.7	-0.56	2.38	2,760.0	0.43	2.48	425.0	1.17	3.72	1,933.7	-0.58	2.33
6343	521.0	-0.20	0.09	2,410.7	-1.15	0.12	2,202.7	-1.13	0.04	120.0	0.00	0.12	1,725.3	-1.20	0.09
6353	499.7	-52.7	2.0	4,033.3	-1,582.0	19.1	2,280.0	-403.3	4.2	170.7	-0.7	2.0	1,840.7	-406.3	7.8
6357	565.1	-0.28	0.30	6,217.1	0.03	0.79	2,561.1	-0.92	0.36	76.8	0.19	0.35	2,131.6	-0.86	0.82
6361	667.0	-74.0	6.5	4,987.7	40.6	128.0	2,858.7	-326.0	42.6	172.0	50.0	5.9	2,313.7	-290.9	74.2
6382	575.1	-0.03	0.32	5,458.2	1.62	0.76	2,748.5	-0.13	1.28	73.9	-0.17	0.34	2,313.0	0.00	1.15
6388	2,306.8	-8.5	6.9	2,613.3	2,224.4	122.0	2,642.6	-44.9	149.0	1,882.2	-43.8	5.8	2,506.1	0.0	104.4
6620	585.3	0.36	2.83	3,570.0	0.72	1.17	2,700.0	0.71	1.58	151.7	0.20	0.95	2,070.0	0.54	0.70
6626	489.3	93.3	61.3	4,447.3	995.0	188.7	2,568.7	252.7	184.0	35.7	51.3	16.0	2,032.7	182.1	63.7
6649	743.8	0.01	0.75	3,992.7	1.07	0.43	2,611.2	0.40	0.17	197.4	-0.18	0.60	2,229.7	0.54	0.41
6664	410.0	1.4	16.3	1,893.3	1,465.5	69.2	2,020.0	142.5	20.2	50.0	-46.8	10.0	1,696.7	181.4	37.1
6779	738.0	6.66	0.88	8,805.9	-1.00	0.09	3,649.0	0.10	0.27	1,906.3	6.79	0.71	2,496.0	1.11	0.21
6780	557.7	1,733.1	19.1	3,821.3	-1,379.3	14.0	2,625.7	36.6	31.3	83.3	1,761.5	11.9	2,042.0	374.5	19.1
6787	583.0	0.04	0.35	4,243.7	-0.31	0.35	2,692.7	0.26	0.44	132.7	0.12	0.28	2,230.3	-0.18	0.19
6791	2,351.0	11.7	7.6	2,619.7	-422.7	55.7	2,657.7	94.0	52.0	1,906.3	31.0	4.7	2,496.0	-61.6	17.3
6802	659.3	-0.32	0.14	4,160.3	0.33	0.22	2,789.0	-0.10	0.15	188.7	-0.33	0.24	2,202.3	-0.29	0.57
6833	552.0	-84.3	3.1	4,130.3	454.6	35.0	2,530.0	-37.3	17.6	99.3	-85.0	4.0	1,964.7	-98.9	51.8
6854	578.5	0.65	1.30	4,083.1	0.00	0.53	2,474.0	0.01	0.00	125.8	0.30	0.05	1,948.7	0.29	0.14
6879	605.3	170.1	28.2	1,893.3	0.0	85.2	2,891.0	5.2	0.6	60.2	76.7	0.9	2,397.7	98.1	12.4
		-0.63	0.46	1,893.3	-1.53	0.07		-1.65	0.15		-0.27	0.60		-1.28	0.54
		-163.7	10.0	8,805.9	-2,099.4	11.5		-586.0	17.3		-70.7	10.0		-434.9	49.3
		0.63	0.70	3,649.0	3.51	3.28		2.93	0.25					3.07	0.86
		164.3	15.3	4,813.2	4,813.2	528.6		1,043.0	28.6					1,039.9	77.8
		-0.06	0.53	3,821.3	-0.12	0.35		0.06	0.22		-0.14	0.37		-0.26	2.34
		-16.0	11.6	4,243.7	-171.4	56.9		19.7	25.1		-37.3	6.2		-89.6	212.5
		0.04	0.32	4,243.7	0.18	0.05		0.24	0.39		0.05	0.14		0.29	0.37
		9.3	6.9	2,619.7	251.0	8.1		86.7	45.5		12.0	2.3		98.7	33.1
		6.83	1.21	2,619.7	-1.00	0.10		0.15	0.13		6.88	0.72		1.08	0.09
		1,777.4	26.2	2,619.7	-1,373.0	15.5		51.7	15.3		1,785.7	12.1		364.4	7.9
		0.33	1.33	4,160.3	0.12	0.03		0.51	0.29		0.26	2.36		0.21	0.18
		85.7	28.7	4,160.3	167.6	5.5		183.0	34.2		68.0	39.6		70.7	16.2
		-0.08	0.54	4,130.3	0.10	0.71		-0.21	0.27		-0.08	0.33		-0.49	0.13
		-21.7	11.8	4,130.3	137.6	113.6		-76.0	32.1		-21.3	5.5		-166.9	11.6
		0.02	0.93	4,083.1	0.07	0.44		-0.37	0.23		0.02	0.16		-0.54	0.30
		4.8	20.2	4,083.1	90.4	71.0		-132.0	26.8		5.1	2.7		-182.9	27.1
		0.12	0.17	2,396.0	-1.16	0.12		0.80	0.15		-0.23	0.01		0.79	0.02
		31.7	3.8	2,396.0	-1,596.7	19.1		285.0	18.0		-60.5	0.2		266.1	1.5
Grand Median		573.7			3,992.7			2,606.0			120.7			2,131.6	
Median Abs Dev		40.0			475.0			142.5			50.3			176.6	
Avg Within Lab SD		21.7			161.0			116.8			16.8			90.7	
Labs Included		29			29			29			28			29	
Labs Reporting		29			29			29			28			29	

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Mg Ammonium Acetate (142) in the Bases (1:10) Property Groups															
	Data units: mg/kg														
6283	67.7	0.09	1.03	425.7	-0.10	0.35	438.7	0.11	0.15	18.7	-0.11	0.54	417.7	0.32	0.28
		3.3	2.9		-5.3	4.9		9.0	2.5		-5.6	2.1		16.7	4.7
6289	59.0	-0.15	1.44	423.7	-0.14	1.38	379.0	-0.61	0.57	15.4	-0.17	0.09	396.7	-0.08	0.34
		-5.4	4.0		-7.3	19.5		-50.7	9.3		-8.9	0.3		-4.3	5.8
6304	51.2	-0.37	1.04	376.7	-1.05	0.54	313.3	-1.39	0.84	26.7	0.04	0.55	318.1	-1.58	0.37
		-13.2	2.9		-54.3	7.6		-116.3	13.6		2.4	2.1		-82.9	6.3
6305	65.9	0.04	0.59	401.8	-0.57	0.34	370.8	-0.71	0.07	29.7	0.10	0.53	364.7	-0.69	0.16
		1.5	1.7		-29.1	4.8		-58.8	1.1		5.4	2.1		-36.3	2.8
6306	60.8	-0.10	0.81	455.8	0.48	1.54	406.8	-0.27	1.69	18.2	-0.12	0.55	376.8	-0.46	1.17
		-3.6	2.3		24.8	21.7		-22.9	27.4		-6.1	2.1		-24.2	19.9
6327	61.4	-0.08	0.90	424.0	-0.13	2.64	459.7	0.36	4.03	10.9	-0.25	0.07	406.7	0.11	2.58
		-3.0	2.5		-6.9	37.2		30.0	65.5		-13.4	0.3		5.7	43.8
6330	59.0	-0.15	1.55	396.0	-0.68	0.81	364.0	-0.79	0.91	38.3	0.26	0.79	376.3	-0.47	0.42
		-5.4	4.4		-34.9	11.4		-65.7	14.8		14.1	3.1		-24.7	7.1
6334	54.3	-0.28	0.74	449.7	0.36	1.66	419.0	-0.13	0.53	16.3	-0.15	0.65	454.3	1.01	0.62
		-10.1	2.1		18.7	23.5		-10.7	8.7		-8.0	2.5		53.3	10.6
6335	65.3	0.03	0.54	436.3	0.11	0.54	429.7	0.00	0.45	17.3	-0.13	0.15	426.3	0.48	0.18
		0.9	1.5		5.4	7.6		0.0	7.4		-7.0	0.6		25.3	3.1
6336	65.7	0.04	1.44	350.0	-1.57	1.54	341.0	-1.06	0.34	30.7	0.12	0.91	332.7	-1.30	0.56
		1.3	4.0		-80.9	21.8		-88.7	5.6		6.4	3.5		-68.3	9.5
6338	77.7	0.38	1.83	460.3	0.57	0.15	485.3	0.67	0.41	59.0	0.65	4.43	394.3	-0.13	0.55
		13.3	5.1		29.4	2.1		55.7	6.7		34.7	17.1		-6.7	9.3
6343	74.0	0.27	0.36	388.0	-0.83	0.14	388.0	-0.50	0.18	24.0	-0.01	0.26	365.0	-0.68	0.06
		9.6	1.0		-42.9	2.0		-41.7	3.0		-0.3	1.0		-36.0	1.0
6353	54.0	-0.29	0.71	405.7	-0.49	0.74	319.7	-1.32	0.74	27.7	0.06	0.79	293.7	-2.04	0.27
		-10.4	2.0		-25.3	10.4		-110.0	12.0		3.4	3.1		-107.3	4.5
6357	60.8	-0.10		430.9	0.00	0.43	413.9	-0.19	0.45	12.2	-0.23	0.00	423.2	0.42	0.90
		-3.6			0.0	6.1		-15.8	7.3		-12.1	0.0		22.2	15.3
6361	82.0	0.50	1.42	506.7	1.47	2.58	476.0	0.56	2.32	34.3	0.19	0.30	451.3	0.96	0.86
		17.6	4.0		75.7	36.5		46.3	37.6		10.1	1.2		50.3	14.6
6382	64.4	0.00	1.37	445.9	0.29	0.68	452.2	0.27	0.23	13.8	-0.20	0.47	434.1	0.63	0.11
		0.0	3.8		15.0	9.6		22.5	3.8		-10.5	1.8		33.1	1.9
6388	322.7	7.30	0.51	319.1	-2.17	0.04	732.0	3.62	0.07	426.7	7.55	0.35	330.5	-1.34	0.53
		258.3	1.4		-111.8	0.6		302.3	1.1		402.5	1.3		-70.5	9.1
6620	62.5	-0.05	0.42	463.7	0.64	0.32	429.3	0.00	0.23	25.6	0.02	0.13	401.0	0.00	0.10
		-1.9	1.2		32.7	4.5		-0.3	3.8		1.3	0.5		0.0	1.7
6626	40.0	-0.69	0.36	435.7	0.09	0.36	436.7	0.08	0.14				419.3	0.35	0.18
		-24.4	1.0		4.7	5.1		7.0	2.3					18.3	3.1
6649	74.5	0.29	0.19	406.6	-0.47	0.12	403.8	-0.31	0.14	34.0	0.18	0.30	389.8	-0.21	0.31
		10.1	0.5		-24.3	1.7		-25.8	2.2		9.7	1.1		-11.2	5.3
6664	54.3	-0.28	2.09	391.7	-0.76	0.16	335.3	-1.13	0.26	18.8	-0.10	0.43	344.7	-1.07	0.29
		-10.1	5.9		-39.3	2.3		-94.3	4.2		-5.5	1.7		-56.3	4.9

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6779	63.3	-0.03	0.51	485.4	1.06	1.13	466.4	0.44	0.45	11.5	-0.24	0.37	466.2	1.24	0.52
6780	70.9	0.19	0.71	444.0	0.25	0.19	452.6	0.28	0.44	24.7	0.01	0.76	393.0	-0.15	4.07
6787	56.3	-0.23	0.21	460.7	0.58	0.04	438.0	0.10	0.18	15.7	-0.16	0.75	426.7	0.49	0.35
6791	313.7	-8.1	0.6	320.3	29.7	0.6	735.0	8.3	3.0	426.0	-8.6	2.9	319.3	25.7	6.0
6802	70.6	7.04	1.68	433.0	-2.15	0.36	459.3	3.66	0.44		7.54	1.19		-1.55	0.30
6833	70.7	249.3	4.7	462.0	-110.6	5.0	448.7	305.3	7.2		401.7	4.6		-81.7	5.1
6854	72.3	0.18	0.57	473.0	0.04	0.12	426.9	0.36	0.15	24.6	-0.04	0.78	406.3	0.51	0.27
6879	64.3	6.2	1.6	376.9	2.1	1.7	461.8	29.7	2.5	11.6	-2.1	3.0	439.5	27.0	4.6
		0.18	0.90		0.60	1.00		0.23	0.25		0.01	0.69		0.46	0.06
		6.3	2.5		31.1	14.1		19.0	4.0		0.7	2.6		24.0	1.0
		0.22	0.12		0.82	0.68		-0.03	0.28		0.01	0.26		0.10	0.37
		7.9	0.3		42.1	9.5		-2.8	4.6		0.3	1.0		5.3	6.3
		0.00	0.15		-1.05	0.19		0.38	0.23		-0.24	0.02		0.73	0.08
		-0.1	0.4		-54.1	2.6		32.1	3.8		-12.7	0.1		38.5	1.4
Grand Median		64.4			430.9			429.7			24.3			401.0	
Median Abs Dev		6.3			29.4			30.0			7.5			25.7	
Avg Within Lab SD		2.8			14.1			16.2			3.9			17.0	
Labs Included		29			29			29			28			29	
Labs Reporting		29			29			29			28			29	

Na Ammonium Acetate (143)

in the Bases (1:10) Property Groups

Data units: mg/kg

6283	21.3	-0.05	0.08	170.7	-0.20	0.09	10.0	-0.15	0.60	9.0	-0.23	0.05	11.3	-0.10	0.03
6289	27.7	-0.7	0.6	202.3	-8.2	2.5	23.7	-1.7	1.7	15.3	-3.8	1.0	24.7	-2.0	0.6
6305	27.3	0.41	0.08	132.6	0.58	0.36	18.2	1.04	1.05	20.7	0.15	0.07	19.8	0.57	0.06
6306	29.7	5.7	0.6	203.3	23.5	10.0	11.3	12.0	3.1	15.2	2.6	1.5	16.4	11.4	1.2
6327	18.2	0.38	0.16	167.0	-1.14	0.44	8.2	0.56	0.65	6.9	0.48	0.08	9.0	0.33	0.08
6330	13.3	5.3	1.2	155.0	-46.2	12.3	12.0	6.5	1.9	7.3	7.9	1.6	7.7	6.5	1.5
6334	24.7	0.56	0.75	204.7	0.61	0.49	14.0	-0.04	0.79	15.7	0.15	0.10	17.0	0.16	0.23
6335	22.7	7.7	5.3	175.0	24.5	13.5	15.3	-0.4	2.3	12.3	2.5	2.0	16.0	3.1	4.4
6336	20.7	-0.28	0.09	125.7	-0.29	0.57	12.7	-0.31	0.21	12.0	-0.35	0.05	15.0	-0.22	0.08
		-3.8	0.6		-11.8	15.7		-3.5	0.6		-5.8	1.1		-4.3	1.5
		-0.63	0.08		-0.59	0.16		0.03	0.60		-0.33	0.03		-0.28	0.03
		8.7	0.6		-23.8	4.4		0.3	1.7		-5.4	0.6		-5.7	0.6
		0.19	0.22		0.64	0.14		0.20			0.17	0.03		0.18	0.05
		2.7	1.5		25.8	3.8		2.3			2.9	0.6		3.7	1.0
		0.05	0.08		-0.09	0.31		0.32	0.72		-0.03	0.03		0.13	0.05
		0.7	0.6		-3.8	8.5		3.7	2.1		-0.4	0.6		2.7	1.0
		-0.10	0.36		-1.32	0.29		0.09	0.20		-0.05	0.05		0.08	0.05
		-1.3	2.5		-53.2	8.0		1.0	0.6		-0.8	1.0		1.7	1.0

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6343	4.5	-1.28	0.02	152.0	-0.66	0.07	2.0	-0.84		2.0	-0.65		2.0	-0.57	
6357	16.9	-17.5	0.2	158.6	-26.8	2.0	6.1	-9.7	0.46	4.6	-10.8	0.00	6.1	-11.3	0.14
6361	22.0	-0.37	0.19	186.0	-0.50	0.08	12.3	-0.48	1.3	12.0	-0.49	0.05	12.7	-0.36	0.08
6382	19.1	0.00	0.14	183.4	0.18	0.42	6.1	0.06	1.44	6.2	-0.05	1.0	7.2	-0.7	1.5
6620	26.2	-0.21	0.18	193.7	0.11	0.15	9.6	-0.48	0.55	14.7	-0.39	0.05	13.8	-0.31	0.07
6626	22.0	-2.9	1.3	200.7	4.6	4.2	18.3	-5.5	1.6	14.7	-6.5	1.0	19.7	-6.2	1.4
6649	12.4	0.31	0.63	111.7	0.37	0.15	11.1	-0.18	0.69	16.5	0.11	0.15	10.8	0.02	0.05
6664	25.3	4.2	4.4	178.3	14.8	4.0	11.3	-2.1	2.0	14.0	1.9	3.1	8.3	0.5	1.0
6779	21.9	0.00	0.31	189.9	0.27	0.19	11.4	0.58	0.20	10.3	0.11	0.03	12.9	0.32	0.06
6780	100.2	0.0	3.5	343.6	-1.66	0.16	68.1	6.7	0.6	139.2	0.22	0.10	180.5	-0.12	0.06
6802	22.3	-9.6	2.5	179.3	-67.1	4.5	18.8	-0.6	1.8	13.2	3.7	2.0	13.7	-2.5	1.1
6854	16.9	0.24	0.54	181.1	-0.01	0.24	6.2	-0.03	0.80	7.0	0.07	0.16	7.0	-0.25	0.06
6879	63.1	3.3	3.8	141.8	-0.5	6.5	50.9	-0.4	2.3	57.7	1.2	3.5	54.8	-5.0	1.2
		0.00	0.31		0.27	0.19		-0.03	1.55		-0.15	0.10		-0.02	0.08
		-0.1	2.2		11.1	5.3		-0.3	4.5		-2.5	2.2		-0.4	1.6
		5.69	4.45		4.08	4.52		4.90	3.12		7.59	4.68		8.37	4.67
		78.2	31.5		164.8	124.5		56.4	9.0		126.4	98.8		167.1	90.8
		0.02	0.13		0.01	0.02		0.62	1.30		0.03	0.02		0.02	0.04
		0.3	1.0		0.5	0.6		7.2	3.8		0.4	0.4		0.4	0.8
		-0.37	0.11		0.06	0.32		-0.47	0.18		-0.35	0.02		-0.31	0.00
		-5.1	0.8		2.2	8.8		-5.5	0.5		-5.8	0.4		-6.3	0.0
		2.99	0.36		-0.92	0.07		3.40	0.72		2.70	0.06		2.08	0.22
		41.1	2.5		-37.1	2.0		39.2	2.1		44.9	1.3		41.5	4.3
Grand Median		22.0			178.8			11.7			12.8			13.3	
Median Abs Dev		4.0			21.0			3.6			3.3			4.6	
Avg Within Lab SD		7.1			27.6			2.9			21.1			19.4	
Labs Included		22			22			22			22			22	
Labs Reporting		22			22			22			22			22	

Bray Extractable K (144)

in the Bases (1:10) Property Groups

Data units: mg/kg

6833	290.7	337.3	103.7	47.7	198.7
6854	270.5	357.0	98.5	44.5	196.0



ALP Program - Participant Web Summary Report - Cycle 08

	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	280.6			347.2			101.1			46.1			197.3		
Median Abs Dev	10.1			9.8			2.6			1.6			1.3		
Avg Within Lab SD										2.0			2.9		
Labs Included	2			2			2			2			2		
Labs Reporting	2			2			2			2			2		

K- Bicarb. (145)		in the Bases (1:10) Property Groups					Data units: mg/kg		
6278	285.7		398.7		109.0		36.7		231.7
6291	300.0		490.7		127.7		49.7		269.3
6357	236.1		341.9		105.4		44.3		236.2
Grand Median	285.7		398.7		109.0		44.3		236.2
Median Abs Dev	14.3		56.8		3.6		5.4		4.5
Avg Within Lab SD							3.2		8.0
Labs Included	3		3		3		3		3
Labs Reporting	3		3		3		3		3

Aluminum KCL Extr. (148)		in the Bases (1:10) Property Groups					Data units: mg/kg		
6306	24.6		0.34		0.80		41.6		0.35
6330	24.3		1.00		1.30		33.0		2.00
Grand Median	24.5		0.67		1.09		37.3		1.18
Median Abs Dev	0.2		0.33		0.24		4.3		0.82
Avg Within Lab SD							2.2		0.24
Labs Included	2		2		2		2		2
Labs Reporting	2		2		2		2		2

P (149)		in the Mehlich-1 Multi Element (scoop) Property Groups					Data units: mg/kg		
6388	111.3		48.5		28.1		3.79		60.9



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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median	111.3			48.5			28.1			3.79			60.9		
Median Abs Dev															
Avg Within Lab SD										0.09			0.6		
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		

K (150)		in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg					
6388	216.5				193.0				66.2				33.5				191.1
Grand Median	216.5			193.0			66.2			33.5			191.1				
Median Abs Dev																	
Avg Within Lab SD										1.0			4.0				
Labs Included	1			1			1			1			1				
Labs Reporting	1			1			1			1			1				

Ca (151)		in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg					
6388	696.5				4,285.9				2,122.2				64.1				2,067.7
Grand Median	696.5			4,285.9			2,122.2			64.1			2,067.7				
Median Abs Dev																	
Avg Within Lab SD										2.8			19.1				
Labs Included	1			1			1			1			1				
Labs Reporting	1			1			1			1			1				

Mg (152)		in the Mehlich-1 Multi Element (scoop) Property Groups										Data units: mg/kg					
6388	56.8				304.9				344.6				10.7				390.7
Grand Median	56.8			304.9			344.6			10.7			390.7				
Median Abs Dev																	
Avg Within Lab SD										0.0			4.2				
Labs Included	1			1			1			1			1				
Labs Reporting	1			1			1			1			1				



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SRS0901			SRS0902			SRS0903			SRS0904			SRS0905				
Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
		Difference			Difference			Difference			Difference			Difference		
		W/L STD			W/L STD			W/L STD			W/L STD			W/L STD		
Mn (153)			in the Mehlich-1 Multi Element (scoop) Property Groups											Data units: mg/kg		
6388	68.8		3.49			1.9			6.20			16.0				
6779	93.0		10.02			106.9			9.38			69.6				
Grand Median	80.9		6.75			54.4			7.79			42.8				
Median Abs Dev	12.1		3.26			52.5			1.59			26.8				
Avg Within Lab SD									0.26			2.0				
Labs Included	2		2			2			2			2				
Labs Reporting	2		2			2			2			2				
Zn (154)			in the Mehlich-1 Multi Element (scoop) Property Groups											Data units: mg/kg		
6388	1.42		0.09			1.81			0.49			3.59				
6779	1.40					2.20			0.20			5.77				
Grand Median	1.41		0.09			2.01			0.34			4.68				
Median Abs Dev	0.01					0.20			0.14			1.09				
Avg Within Lab SD									0.05			1.25				
Labs Included	2		1			2			2			2				
Labs Reporting	2		1			2			2			2				
Scoop Density (155)			in the Mehlich-3 Multi-Element Property Groups											Data units: g/cm3		
6276	1.85	2.70	1.22	2.20	2.98	1.86	2.04	3.08	1.88	2.59	3.61	0.16	1.94	2.42	1.98	
		0.68	0.01		1.02	0.03		0.86	0.03		1.38	0.01		0.76	0.02	
6288	1.18	0.03	0.00	1.18	0.00	0.00	1.18	0.00	0.00	1.18	-0.08	0.00	1.18	0.00	0.00	
		0.01	0.00		0.00	0.00		0.00	0.00		-0.03	0.00		0.00	0.00	
6289	0.88	-1.17	0.19	1.02	-0.48	0.13	0.85	-1.20	0.34	1.16	-0.13	0.03	0.94	-0.77	0.16	
		-0.29	0.00		-0.16	0.00		-0.33	0.01		-0.05	0.00		-0.24	0.00	
6306	1.17	0.00	1.88	1.38	0.57	0.95	1.19	0.05	1.86	1.39	0.46	2.99	1.21	0.10	1.31	
		0.00	0.02		0.20	0.01		0.01	0.03		0.18	0.22		0.03	0.02	
6718	1.18	0.03	0.00	1.18	0.00	0.00	1.18	0.00	0.00	1.18	-0.08	0.00	1.18	0.00	0.00	
		0.01	0.00		0.00	0.00		0.00	0.00		-0.03	0.00		0.00	0.00	
6802	1.28	0.43	0.00	1.47	0.84	0.74	1.30	0.42	0.83	1.34	0.34	0.00	1.65	1.49	1.78	
		0.11	0.00		0.29	0.01		0.12	0.02		0.13	0.00		0.47	0.02	
6838	0.95	-0.90	0.55	1.10	-0.24	1.23	1.03	-0.55	0.77	1.21	0.00	0.06	0.98	-0.65	0.27	
		-0.22	0.00		-0.08	0.02		-0.15	0.01		0.00	0.00		-0.20	0.00	

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6854	1.14	-0.12	1.91	1.33	0.43	1.60	1.14	-0.14	0.77	1.52	0.81	0.19	1.20	0.07	0.31
6874	1.00	-0.03	0.02	1.00	0.15	0.02	1.00	-0.04	0.01	1.00	0.31	0.01	1.00	0.02	0.00
		-0.69			-0.52			-0.64			-0.55			-0.58	
		-0.17			-0.18			-0.18			-0.21			-0.18	
Grand Median		1.17			1.18			1.18			1.21			1.18	
Median Abs Dev		0.11			0.16			0.12			0.13			0.18	
Avg Within Lab SD		0.01			0.01			0.02			0.07			0.01	
Labs Included		9			9			9			9			9	
Labs Reporting		9			9			9			9			9	

P Colorimetric (156) in the Mehlich-3 Multi-Element Property Groups															
														Data units: mg/kg	
6288	91.0	-0.35	0.60	52.8	-0.25	0.23	50.0	-0.08		7.00	-0.16		87.7	-0.11	0.13
		-10.7	2.0		-3.9	0.3		-1.0			-0.68			-3.0	0.6
6304	96.0	-0.19	1.50	56.2	-0.04	2.34	48.8	-0.17	1.48	6.67	-0.25	0.09	92.0	0.05	1.53
		-5.7	5.0		-0.6	3.0		-2.2	3.1		-1.01	0.06		1.3	6.5
6306	111.3	0.32	0.70	68.6	0.76	0.36	54.9	0.29	0.70	7.35	-0.08	0.48	108.7	0.66	0.36
		9.7	2.3		11.8	0.5		3.9	1.5		-0.33	0.30		18.0	1.5
6338	110.3	0.29	1.52	55.7	-0.07	1.20	54.3	0.25	1.00	6.33	-0.33	0.94	101.3	0.39	0.67
		8.7	5.0		-1.1	1.5		3.3	2.1		-1.34	0.58		10.7	2.9
6353	65.0	-1.22	0.80	52.7	-0.26	0.45	50.7	-0.03	0.74	10.00	0.57	1.62	67.7	-0.84	0.27
		-36.7	2.6		-4.1	0.6		-0.3	1.5		2.33	1.00		-23.0	1.2
6664	96.7	-0.17	0.46	63.0	0.40	0.79	44.0	-0.53	1.44	6.00	-0.41		79.7	-0.40	0.27
		-5.0	1.5		6.2	1.0		-7.0	3.0		-1.68			-11.0	1.2
6718	118.3	0.55	0.76	57.3	0.04	1.20	61.7	0.80	1.00	8.00	0.08	1.62	103.7	0.47	0.49
		16.7	2.5		0.6	1.5		10.7	2.1		0.33	1.00		13.0	2.1
6816	197.0	3.17		118.0	3.95		109.0	4.36		22.00	3.49		186.0	3.47	
		95.3			61.2			58.0			14.33			95.4	
6838	106.7	0.17	1.75	70.0	0.85		51.3	0.03	1.21	11.00	0.81		89.3	-0.05	2.57
		5.0	5.8		13.2			0.3	2.5		3.33			-1.3	11.0
6874	92.0	-0.32	0.30	55.0	-0.11	0.79	48.0	-0.23	0.48	10.00	0.57	1.62	82.0	-0.31	0.23
		-9.7	1.0		-1.8	1.0		-3.0	1.0		2.33	1.00		-8.7	1.0
Grand Median		101.7			56.8			51.0			7.68			90.7	
Median Abs Dev		9.7			4.0			3.2			1.51			10.8	
Avg Within Lab SD		3.3			1.3			2.1			0.62			4.3	
Labs Included		10			10			10			10			10	
Labs Reporting		10			10			10			10			10	

P ICP-AES (157) in the Mehlich-3 Multi-Element Property Groups														
														Data units: mg/kg

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6276	107.5	-0.27	0.55	57.0	-0.35	0.45	69.0	0.00	0.75	9.17	0.00	0.73	103.7	0.12	0.98
6289	122.6	-2.7	2.3	65.3	-2.7	0.9	71.2	0.0	2.3	10.94	0.00	0.76	107.0	1.0	3.9
6304	105.8	1.21	0.61	51.3	0.73	1.40	63.4	0.46	0.18	8.32	0.70	2.11	98.8	0.50	0.63
6322	123.2	12.4	2.5	59.7	5.6	2.7	72.0	2.2	0.6	6.17	1.78	2.19	110.2	4.3	2.5
6333	108.3	-0.43	0.74	63.0	-1.09	0.48	69.3	-1.20	0.93	9.00	-0.33	0.48	103.7	-0.45	1.50
6336	106.0	-4.4	3.1	47.3	-8.4	0.9	57.3	-5.6	2.8	4.10	-0.85	0.50	100.3	-3.9	6.0
6353	112.7	1.27	0.57	55.7	0.00	0.65	71.7	0.63	2.28	16.33	-1.18	1.47	80.7	0.87	0.15
6388	110.2	13.0	2.4	60.7	0.0	1.3	65.1	3.0	7.0	10.00	-3.00	1.53	98.1	7.5	0.6
6718	114.3	-0.18	0.37	58.7	0.43	1.55	70.1	0.07	0.50	9.37	-0.07	0.96	112.8	0.12	0.53
6791	122.3	-1.9	1.5	72.1	3.3	3.0	68.5	0.3	1.5	10.37	-0.17	1.00	112.8	1.0	2.1
6802	127.3	-0.41	1.58	61.1	-1.60	1.08	74.4	-2.50	0.68	7.63	-1.99	1.34	111.0	-0.27	0.53
6810	95.3	-4.2	6.6	46.8	-12.3	2.1	66.6	-11.7	2.1	8.65	-5.07	1.40	99.9	-2.3	2.1
6854	110.0	0.24	1.61	62.0	-0.52	1.08	66.7	0.57	0.50	9.20	2.81	1.11	102.7	-2.56	0.15
		2.5	6.7		-4.0	2.1		2.7	1.5		7.17	1.15		-22.0	0.6
		0.00	0.45		0.14	0.12		-0.83	0.34		0.33	0.23		-0.53	0.25
		0.0	1.9		1.1	0.2		-3.9	1.0		0.84	0.24		-4.6	1.0
		0.40	0.74		-0.13	0.30		0.23	0.05		0.08	0.24		-0.89	0.25
		4.1	3.1		-1.0	0.6		1.1	0.2		0.20	0.25		-7.7	1.0
		1.19	1.07		1.61	0.47		-0.11	0.67		0.47	0.53		1.17	1.31
		12.1	4.5		12.4	0.9		-0.5	2.1		1.20	0.55		10.1	5.2
		1.68	1.09		0.19	1.23		1.16	1.44		-0.60	0.68		0.97	1.01
		17.1	4.5		1.4	2.4		5.4	4.4		-1.53	0.71		8.3	4.0
		-1.46	1.73		-1.68	1.83		-0.52	1.29		-0.20	0.65		-0.32	2.15
		-14.9	7.2		-12.9	3.5		-2.4	4.0		-0.52	0.68		-2.8	8.5
		-0.02	0.42		0.30	0.52		-0.50	1.05		0.01	0.63		0.00	1.14
		-0.2	1.7		2.3	1.0		-2.3	3.2		0.03	0.66		0.0	4.5
Grand Median		110.2		59.7		69.0		9.17		102.7					
Median Abs Dev		4.2		3.3		2.4		0.85		4.3					
Avg Within Lab SD		4.1		1.9		3.1		1.04		4.0					
Labs Included		13		13		13		13		13					
Labs Reporting		13		13		13		13		13					

K (158) in the Mehlich-3 Multi-Element Property Groups															
															Data units: mg/kg
6276	284.8	-0.79	1.22	467.8	0.01	0.50	128.8	-0.85	0.36	45.7	-0.03	1.49	240.3	-0.42	0.89
6288	277.7	-41.3	12.0	414.7	0.5	7.5	125.3	-15.5	3.8	45.7	-0.3	2.6	221.7	-15.9	13.5
6289	262.1	-0.93	0.26	517.7	-0.64	0.10	156.4	-1.04	0.11	58.7	-0.03	0.33	241.4	-0.92	0.19
6304	274.8	-48.5	2.5	312.2	-52.7	1.5	138.0	-19.0	1.2	46.2	-0.3	0.6	197.2	-34.6	2.9
		-1.22	0.12		0.62	2.35		0.66	0.49		1.16	0.68		-0.39	0.06
		-64.0	1.2		50.3	35.6		12.1	5.1		12.8	1.2		-14.9	0.9
		-0.98	2.01		-1.90	1.05		-0.35	1.52		0.03	2.04		-1.56	1.58
		-51.4	19.8		-155.1	15.9		-6.4	15.7		0.3	3.5		-59.1	23.9

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905			
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	
6322	308.8	-0.33	0.43	466.8	-0.01	0.70	138.7	-0.31	3.39	16.3	-2.69	0.67	258.5	0.06	3.46	
6333	334.3	0.16	1.31	530.3	0.77	1.83	144.7	0.02	0.28	53.0	0.64	1.00	274.3	0.48	0.39	
6336	324.0	-0.04	0.67	443.7	-0.29	0.48	146.0	0.09	1.30	48.7	0.25	0.33	254.0	-0.06	0.46	
6338	365.3	0.75	1.18	463.3	-0.05	1.24	158.3	0.77	0.50	36.7	-0.84	0.33	278.7	0.59	0.89	
6353	234.0	-1.76	0.79	420.0	-0.58	0.63	139.3	-0.27	0.20	38.7	-0.66	1.21	188.7	-1.79	0.14	
6388	344.7	18.5	0.6	513.5	46.1	6.1	145.3	1.0	0.8	47.2	1.3	1.7	270.2	14.0	2.1	
6718	319.7	-0.12	0.36	498.0	0.38	0.13	144.0	-0.02	0.10	48.2	0.20	0.32	251.3	-0.13	0.10	
6791	431.3	2.01	0.67	676.3	2.55	1.74	215.0	-0.3	1.0	66.2	1.84	1.33	358.5	2.71	0.55	
6802	333.3	0.14	0.46	443.0	-0.30	0.17	139.7	-0.26	0.20	37.8	-0.74	0.06	248.3	-0.21	0.04	
6810	227.0	-1.89	2.48	349.0	-1.45	1.03	122.2	-1.22	0.76	36.2	-0.89	0.50	212.8	-1.15	0.93	
6816	334.0	0.15		472.0	0.06		151.0	0.37		45.0	-0.09		260.0	0.10		
6838	339.0	12.8	0.62	449.3	-0.22	0.61	148.3	0.22	0.53	36.0	-0.90	1.53	269.0	0.34	0.37	
6854	328.3	0.04	0.85	506.3	0.48	0.68	137.3	-0.38	0.46	46.7	0.06	1.45	272.0	0.42	0.41	
6874	339.0	0.24	0.10	573.0	1.29	0.07	169.0	1.36	0.10	57.0	1.00	0.58	273.0	0.44	0.07	
Grand Median		326.2			467.3			144.3			46.0			256.3		
Median Abs Dev		17.9			42.6			6.5			7.2			15.8		
Avg Within Lab SD		9.8			15.1			10.3			1.7			15.1		
Labs Included		18			18			18			18			18		
Labs Reporting		18			18			18			18			18		

Ca (159)

in the Mehlich-3 Multi-Element Property Groups

Data units: mg/kg

6276	523.8	-0.43	0.29	5,814.0	0.48	1.46	2,405.8	-0.30	0.24	159.5	-0.01	1.56	2,080.2	-0.27	0.98
6288	550.0	-0.27	0.08	5,672.7	0.38	0.02	2,236.7	-0.60	0.02	160.3	0.00	0.14	2,222.7	0.03	0.04
6289	515.8	-0.47	0.45	6,117.3	0.69	1.20	2,500.7	-0.13	0.71	114.2	-0.55	1.59	2,133.0	-0.16	0.46
		-78.2	27.4		985.7	133.7		-71.0	65.8		-46.2	24.0		-75.7	30.3

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6304	520.9	-0.44	0.26	4,264.3	-0.61	0.49	2,102.3	-0.84	0.31	182.3	0.26	1.46	1,855.7	-0.73	0.13
6322	594.0	-73.1	15.7	5,475.0	-867.3	54.4	2,565.3	-469.3	29.0	116.8	21.9	22.0	2,317.7	-353.0	8.6
6333	613.3	0.00	0.38	5,475.0	0.24	1.74	2,565.3	-0.01	0.46	116.8	-0.52	0.05	2,317.7	0.23	0.44
6336	613.3	0.12	0.12	5,131.7	0.00	0.90	2,571.7	0.00	0.48	175.7	0.18	0.71	2,205.7	-0.01	0.53
6353	1,398.7	19.3	7.2	4,683.0	0.0	100.0	2,649.0	0.0	44.5	179.3	15.3	10.7	2,293.3	-3.0	34.6
6388	550.3	4.88	3.96	4,683.0	-0.31	0.09	2,649.0	0.14	0.63	179.3	0.23	0.56	2,293.3	0.18	1.15
6718	550.3	804.7	240.4	4,400.3	-448.7	9.8	2,487.7	77.3	58.9	186.3	19.0	8.5	2,008.3	84.7	75.7
6791	550.3	-0.26	0.08	4,400.3	-0.51	1.26	2,487.7	-0.15	0.50	186.3	0.31	0.43	2,008.3	-0.42	1.23
6802	565.0	-43.7	4.7	4,747.6	-731.3	140.2	2,600.4	-84.0	46.7	97.2	26.0	6.4	2,192.5	-200.3	80.8
6810	565.0	-0.18	0.01	4,747.6	-0.27	0.38	2,600.4	0.05	0.18	97.2	-0.76	0.08	2,192.5	-0.03	0.18
6816	605.0	-29.0	0.8	4,950.7	-384.0	42.2	2,780.7	28.7	16.7	200.7	-63.1	1.2	2,362.0	-16.1	11.6
6838	605.0	0.07	0.14	4,950.7	-0.13	0.24	2,780.7	0.38	0.24	200.7	0.48	0.55	2,362.0	0.32	0.30
6854	691.0	11.0	8.7	5,644.1	-181.0	27.0	3,483.6	209.0	22.2	141.5	40.3	8.3	2,695.7	153.3	19.7
6874	691.0	0.59	0.36	5,644.1	0.36	2.12	3,483.6	1.64	1.08	141.5	-0.23	0.41	2,695.7	1.01	0.74
688	685.3	97.0	21.9	4,974.0	512.5	236.2	2,615.3	912.0	100.7	172.7	-18.8	6.2	2,146.3	487.0	48.7
6810	685.3	0.55	0.63	4,974.0	-0.11	0.08	2,615.3	0.08	0.09	172.7	0.15	2.46	2,146.3	-0.13	0.03
6816	443.2	91.3	38.2	3,408.5	-157.7	8.7	2,048.4	43.7	8.5	138.5	12.3	37.1	1,786.6	-62.3	2.1
6838	443.2	-0.92	0.39	3,408.5	-1.21	1.54	2,048.4	-0.94	1.83	138.5	-0.26	0.56	1,786.6	-0.88	1.87
6854	702.0	-150.8	23.5	11,870.0	-1,723.2	172.2	5,049.0	-523.3	170.6	575.0	-21.8	8.5	5,000.0	-422.1	122.8
6874	702.0	0.66		11,870.0	4.73		5,049.0	4.45		575.0	4.97		5,000.0	5.79	
688	706.3	108.0	0.20	5,599.3	6,738.3	0.71	3,107.7	2,477.3	3.21	136.3	414.7	1.20	2,771.7	1.17	2.87
6874	706.3	0.68	0.20	5,599.3	0.33	0.71	3,107.7	0.96	3.21	136.3	-0.29	1.20	2,771.7	1.17	2.87
6854	504.7	112.3	12.1	5,448.7	467.7	79.4	2,450.0	536.0	299.6	76.3	-24.0	18.1	2,208.7	563.0	188.0
6874	504.7	-0.54	0.23	5,448.7	0.22	0.47	2,450.0	-0.22	0.58	76.3	-1.01	0.75	2,208.7	0.00	0.32
6874	662.0	-89.3	14.2	3,879.0	317.0	52.0	2,890.0	-121.7	53.8	266.0	-84.1	11.3	2,273.0	0.0	20.7
6874	662.0	0.41	0.02	3,879.0	-0.88	0.01	2,890.0	0.57	0.01	266.0	1.27	0.07	2,273.0	0.13	0.02
6874	662.0	68.0	1.0	3,879.0	-1,252.7	1.0	2,890.0	318.3	1.0	266.0	105.7	1.0	2,273.0	64.3	1.0
Grand Median		594.0			5,131.7			2,571.7			160.3			2,208.7	
Median Abs Dev		73.1			512.5			165.8			24.0			109.0	
Avg Within Lab SD		60.7			111.5			93.3			15.1			65.6	
Labs Included		17			17			17			17			17	
Labs Reporting		17			17			17			17			17	

Mg (160)

in the Mehlich-3 Multi-Element Property Groups

Data units: mg/kg

6276	66.3	-0.06	0.04	483.0	-0.34	0.24	370.7	-0.77	0.64	33.2	0.00	0.39	380.8	-0.66	1.47
6288	61.0	-0.9	0.3	498.3	-23.9	3.5	378.3	-43.7	7.3	31.7	0.0	1.2	394.0	-38.2	13.8
6289	67.2	-0.41	0.14	498.3	-0.12	0.20	378.3	-0.63	0.25	31.7	-0.12	0.19	394.0	-0.43	0.19
		-6.2	1.0		-8.6	2.9		-36.0	2.9		-1.5	0.6		-25.1	1.7
		0.00	0.69		0.45	0.17		-0.21	0.78		-0.73	1.53		0.00	0.50
		0.0	4.8		32.3	2.5		-12.0	8.8		-9.3	4.6		0.0	4.7

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6304	64.2	-0.20	0.63	433.2	-1.03	2.01	374.4	-0.70	2.16	33.4	0.02	0.53	362.4	-0.98	0.74
6322	75.3	0.53	0.15	560.7	0.76	0.20	430.7	0.29	0.49	25.3	-0.61	0.26	457.5	0.66	0.75
6333	75.7	0.55	0.08	532.7	0.36	1.66	420.7	0.11	0.49	33.7	0.04	1.08	421.3	0.04	0.68
6336	104.7	8.5	0.6	467.0	25.8	24.2	414.3	6.3	5.5	39.0	0.5	3.2	416.3	2.3	6.4
6353	62.3	2.45	3.87	468.7	-0.56	1.04	369.0	0.00	0.45	31.7	0.45	0.34	339.3	-0.05	0.75
6388	59.2	37.5	26.8	506.9	-39.9	15.1	421.7	0.0	5.1	13.9	5.8	1.0	429.7	-2.7	7.0
6718	81.7	-0.32	0.36	569.0	-0.54	0.83	458.7	-0.80	1.23	37.5	-0.12	1.02	453.0	-1.38	0.54
6791	91.7	-4.9	2.5	670.9	-38.2	12.1	600.2	-45.3	14.0	39.8	-1.5	3.1	552.9	-79.7	5.0
6802	64.4	-0.52	0.04	479.3	0.00	0.75	417.0	0.13	0.26	16.5	-1.50	0.05	406.3	0.18	0.18
6810	54.1	-8.0	0.3	333.7	0.87	0.14	300.2	7.4	2.9	24.8	-19.3	0.2	302.0	10.6	1.7
6816	78.0	0.94	0.36	483.0	0.87	0.14	384.0	0.78	0.40	46.0	0.34	0.29	375.0	0.59	0.49
6838	88.3	14.5	2.5	559.0	62.1	2.0	452.7	44.3	4.5	40.0	4.3	0.9	461.7	33.9	4.6
6854	66.4	1.60	0.70	523.0	2.30	2.07	406.3	3.26	1.09	25.1	0.52	1.06	434.7	2.31	0.84
6874	78.0	24.5	4.9	508.0	164.1	30.2	437.0	185.9	12.4	71.0	6.7	3.2	430.0	133.8	7.9
		-0.19	0.11		-0.39	0.24		0.05	0.09		-1.30	0.49		-0.22	0.06
		-2.8	0.8		-27.6	3.5		2.7	1.0		-16.7	1.5		-12.7	0.6
		-0.86	0.30		-2.43	1.28		-2.00	2.59		-0.65	0.87		-2.02	2.31
		-13.1	2.1		-173.2	18.7		-114.1	29.4		-8.4	2.6		-117.1	21.7
		0.70			-0.34			-0.53			1.00			-0.76	
		10.8			-23.9			-30.3			12.8			-44.1	
		1.38	0.42		0.73	1.28		0.67	0.63		0.53	3.02		0.74	2.30
		21.1	2.9		52.1	18.7		38.3	7.1		6.8	9.0		42.6	21.5
		-0.05	0.16		0.23	0.25		-0.14	0.69		-0.62	0.63		0.27	0.69
		-0.8	1.1		16.1	3.6		-8.0	7.8		-8.0	1.9		15.6	6.5
		0.70	0.14		0.02	0.07		0.40	0.09		2.94	0.34		0.19	0.11
		10.8	1.0		1.1	1.0		22.7	1.0		37.8	1.0		10.9	1.0
Grand Median		67.2			506.9			414.3			33.2			419.1	
Median Abs Dev		8.1			32.3			30.3			6.8			33.9	
Avg Within Lab SD		6.9			14.6			11.3			3.0			9.4	
Labs Included		17			17			17			17			17	
Labs Reporting		17			17			17			17			17	

Na (161)

in the Mehlich-3 Multi-Element Property Groups

Data units: mg/kg

6289	28.9	0.92	0.81	228.2	1.43	0.64	24.3	0.19	1.21	14.7	0.01	0.14	25.3	0.87	0.84
		8.8	2.7		77.7	2.6		6.8	3.1		0.7	0.9		7.8	1.7
6322	32.3	1.28	0.35	155.3	0.09	0.51	22.3	0.14	0.23	24.7	0.08	0.09	24.3	0.77	1.16
		12.2	1.2		4.8	2.1		4.8	0.6		10.6	0.6		6.8	2.3
6336	33.0	1.35	2.60	148.0	-0.05	0.65	19.3	0.05	0.81	16.3	0.02	0.09	18.3	0.09	0.58
		12.9	8.5		-2.5	2.6		1.8	2.1		2.3	0.6		0.8	1.2

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6353	19.7	-0.05	0.18	134.0	-0.30	0.65	15.7	-0.05	0.60	13.3	-0.01	0.25	12.3	-0.58	0.58
6718	13.0	-0.75	0.30	13.5	-2.51	0.15	164.5	4.11	2.21	704.7	5.15	2.80	21.2	0.42	0.45
6802	14.6	-0.58	0.13	153.0	-137.0	0.6	3.3	147.0	5.6	4.6	690.6	17.2	4.5	3.7	0.9
6810	20.6	-5.5	0.4	131.0	0.05	0.24	13.1	-0.40	0.34	11.6	-0.07	0.04	16.7	-1.46	0.42
6854	16.2	0.05	0.53	184.0	2.5	1.0	5.4	-14.2	0.9	6.8	-9.5	0.3	7.5	-13.0	0.8
		0.5	1.7		-0.36	2.39		-0.12	0.66		-0.02	0.16		-0.09	2.16
		-0.42	0.25		0.61	0.84		-4.4	1.7		-2.5	1.0		-0.8	4.3
		-4.0	0.8		33.5	3.5		-0.34	0.12		-0.05	0.10		-1.11	0.48
								-12.1	0.3		-7.3	0.6		-10.0	1.0
Grand Median		20.1			150.5			17.5			14.0			17.5	
Median Abs Dev		6.3			18.0			5.8			4.9			6.0	
Avg Within Lab SD		3.3			4.1			2.6			6.1			2.0	
Labs Included		8			8			8			8			8	
Labs Reporting		8			8			8			8			8	

S (162) in the Mehlich-3 Multi-Element Property Groups															
															Data units: mg/kg
6289	13.5	0.13	0.68	44.9	0.17	0.06	11.9	-0.10	0.60	18.9	0.21	0.32	12.8	-0.35	0.13
6304	11.7	-0.16	0.37	32.8	-0.49	0.28	9.9	-0.42	0.08	16.7	-0.04	0.23	11.5	-0.58	0.04
6322	19.3	1.12	0.79	60.0	0.99	2.13	23.0	1.61	3.21	13.0	-0.47	1.28	19.0	0.71	1.04
6333	12.3	-0.06	0.40	40.3	-0.08	0.71	12.0	-0.09	8.5	20.3	0.38	0.25	14.3	-0.10	0.60
6336	27.3	2.46	2.42	102.7	3.31	1.88	17.7	0.79	0.22	37.3	2.35	0.65	23.3	1.46	3.06
6353	8.6	-0.69	0.29	43.4	0.08	0.49	21.7	1.41	0.40	8.8	-0.96	0.38	19.2	0.75	0.59
6388	16.2	0.60	0.08	35.5	-0.35	0.26	13.2	0.09	0.17	20.0	0.34	0.18	15.4	0.10	0.20
6718	10.0	-0.45	0.48	49.1	0.39	0.12	16.9	0.67	0.40	12.3	-0.55	0.55	16.4	0.26	0.22
6791	22.8	1.71	2.07	52.0	0.55	1.40	22.9	1.59	0.91	31.1	1.62	3.03	23.3	1.45	0.63
6802	13.0	0.06		29.8	-0.66	0.63	9.0	-0.56	0.08	13.5	-0.42	0.23	9.5	-0.94	0.14
6810	10.2	-0.42	0.22	24.9	-0.92	0.78	11.3	-0.19	0.28	11.0	-0.71	0.17	10.8	-0.71	0.44
6854	11.2	-2.5	0.3	39.9	-16.9	1.7	8.9	-1.3	0.7	17.5	-6.1	0.4	10.9	-4.1	1.1
		-0.25	0.36		-0.11	0.27		-0.58	0.08		0.04	0.06		-0.68	0.32
		-1.5	0.5		-1.9	0.6		-3.7	0.2		0.4	0.2		-4.0	0.8

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	12.7			41.9			12.6			17.1			14.9		
Median Abs Dev	2.6			8.1			3.7			3.9			4.0		
Avg Within Lab SD	1.5			2.2			2.7			2.4			2.5		
Labs Included	12			12			12			12			12		
Labs Reporting	12			12			12			12			12		

Al (163)		in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg	
6289	690.3	0.11	0.05	234.6	1.33	0.06	750.7	0.04	1.64	779.4	0.58	0.79	500.2	-0.05	0.40		
		8.0	1.0		46.1	1.0		2.2	21.9		6.4	7.5		-1.4	4.2		
6336	650.3	-0.44	1.93	178.3	-0.29	1.96	746.3	-0.04	1.06	764.3	-0.79	0.52	503.0	0.05	0.34		
		-32.0	37.8		-10.2	35.1		-2.2	14.2		-8.7	4.9		1.4	3.6		
6802	830.7	2.04	0.36	161.3	-0.78	0.09	872.3	2.53	0.04	766.7	-0.58	1.22	546.3	1.76	0.14		
		148.3	7.0		-27.2	1.5		123.8	0.6		-6.4	11.6		44.7	1.5		
6854	674.3	-0.11	0.36	198.7	0.29	0.36	744.7	-0.08	0.41	781.3	0.76	1.27	480.7	-0.83	1.93		
		-8.0	7.1		10.2	6.4		-3.8	5.5		8.3	12.1		-21.0	20.6		
Grand Median	682.3			188.5			748.5			773.0			501.6				
Median Abs Dev	20.0			18.7			3.0			7.3			11.2				
Avg Within Lab SD	19.6			17.9			13.3			9.5			10.7				
Labs Included	4			4			4			4			4				
Labs Reporting	4			4			4			4			4				

Zn (164)		in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg	
6289	1.50	0.02	0.41	2.57	0.07	0.13	2.48	-0.04	0.35	0.77	0.03	0.51	4.43	0.15	0.45		
		0.02	0.09		0.10	0.06		-0.05	0.07		0.02	0.04		0.24	0.07		
6304	1.06	-0.34	0.22	1.71	-0.56	0.08	1.85	-0.56	0.22	0.64	-0.16	0.50	3.38	-0.53	1.11		
		-0.42	0.05		-0.76	0.04		-0.68	0.04		-0.12	0.03		-0.81	0.16		
6322	8.30	5.55	3.26	8.73	4.66	0.95	8.10	4.64	1.04	5.17	5.82	0.84	9.77	3.67	0.79		
		6.82	0.70		6.27	0.45		5.57	0.20		4.41	0.06		5.57	0.12		
6333	1.30	-0.15	0.00	2.40	-0.05	0.37	2.33	-0.16	0.30	0.73	-0.03	0.84	4.07	-0.08	0.39		
		-0.18	0.00		-0.07	0.17		-0.20	0.06		-0.02	0.06		-0.13	0.06		
6336	1.52	0.03	0.36	3.47	0.74	3.21	2.63	0.09	2.16	0.85	0.13	1.09	4.27	0.05	1.72		
		0.04	0.08		1.00	1.52		0.11	0.42		0.10	0.08		0.07	0.25		
6353	1.55	0.06	0.46	2.37	-0.07	0.21	2.58	0.04	1.76	0.79	0.05	0.89	3.76	-0.29	1.86		
		0.07	0.10		-0.10	0.10		0.05	0.34		0.04	0.06		-0.44	0.27		
6388	1.46	-0.02	0.05	2.21	-0.19	0.08	2.43	-0.08	0.24	0.64	-0.14	0.44	4.12	-0.05	0.04		
		-0.02	0.01		-0.26	0.04		-0.10	0.05		-0.11	0.03		-0.07	0.01		
6718	1.30	-0.15	0.38	2.37	-0.07	0.32	2.30	-0.19	0.61	0.84	0.11	0.73	3.38	-0.54	0.52		
		-0.18	0.08		-0.10	0.15		-0.23	0.12		0.09	0.05		-0.81	0.08		

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6791	1.17	-0.26	0.27	2.57	0.07	0.24	2.80	0.23	0.52	0.57	-0.25	0.84	4.87	0.44	0.39
6802	1.77	-0.31	0.06	2.53	0.10	0.12	2.90	0.27	0.10	0.70	-0.19	0.06	4.40	0.67	0.06
6810	0.40	0.23	0.54	0.71	0.05	0.12	0.64	0.31	0.52	0.25	-0.07	0.00	1.38	0.14	0.00
6854	1.98	0.29	0.12	2.79	0.07	0.06	2.73	0.37	0.10	1.24	-0.05	0.00	4.64	0.21	0.00
		-0.88	0.14		-1.31	0.05		-1.57	0.41		-0.66	0.15		-1.85	0.57
		-1.08	0.03		-1.76	0.03		-1.89	0.08		-0.50	0.01		-2.81	0.08
		0.41	0.56		0.24	0.65		0.17	1.33		0.65	2.57		0.30	1.62
		0.50	0.12		0.32	0.31		0.21	0.26		0.49	0.18		0.45	0.24
Grand Median		1.48			2.47			2.53			0.75			4.20	
Median Abs Dev		0.24			0.18			0.22			0.11			0.44	
Avg Within Lab SD		0.21			0.47			0.19			0.07			0.15	
Labs Included		12			12			12			12			12	
Labs Reporting		12			12			12			12			12	

Mn (165)		in the Mehlich-3 Multi-Element Property Groups												Data units: mg/kg		
6289	87.6	-0.08	0.21	103.0	0.05	0.55	85.8	-0.13	0.84	9.11	-0.12	1.75	39.5	0.01	0.22	
		-1.5	0.6		1.0	2.6		-2.3	2.1		-0.28	1.02		0.1	0.4	
6304	82.5	-0.33	1.77	93.4	-0.41	2.30	82.0	-0.35	2.23	7.92	-0.61	1.49	32.5	-0.73	2.09	
		-6.6	5.5		-8.6	10.6		-6.1	5.6		-1.47	0.87		-6.9	4.2	
6322	104.6	0.77	1.78	114.3	0.58	0.62	92.7	0.26	1.22	9.67	0.12	0.99	49.0	1.02	1.74	
		15.5	5.5		12.4	2.9		4.6	3.1		0.28	0.58		9.7	3.5	
6333	83.3	-0.29	0.19	101.0	-0.05	0.87	84.3	-0.21	0.61	9.67	0.12	0.99	38.3	-0.11	0.77	
		-5.8	0.6		-1.0	4.0		-3.8	1.5		0.28	0.58		-1.0	1.5	
6336	86.8	-0.12	0.44	94.6	-0.35	0.44	87.1	-0.06	0.41	9.87	0.20	0.20	40.3	0.11	0.29	
		-2.4	1.4		-7.4	2.0		-1.0	1.0		0.48	0.12		1.0	0.6	
6353	94.4	0.26	1.00	104.7	0.13	1.01	90.8	0.16	0.51	10.23	0.35	1.54	45.0	0.60	1.21	
		5.2	3.1		2.8	4.7		2.7	1.3		0.84	0.90		5.7	2.4	
6388	90.7	0.08	0.24	98.1	-0.19	0.42	89.1	0.06	0.84	8.69	-0.29	0.18	35.1	-0.45	0.05	
		1.5	0.7		-3.9	1.9		1.0	2.1		-0.70	0.10		-4.3	0.1	
6718	99.0	0.49	1.16	110.0	0.38	0.22	91.3	0.18	0.61	10.67	0.53	0.88	42.3	0.31	0.44	
		9.8	3.6		8.0	1.0		3.2	1.5		1.28	0.51		2.9	0.9	
6791	95.4	0.31	1.02	121.2	0.91	1.15	103.8	0.90	0.74	11.83	1.02	0.77	39.2	-0.01	0.36	
		6.2	3.2		19.3	5.3		15.7	1.9		2.44	0.45		-0.1	0.7	
6802	106.7	0.87	0.67	104.3	0.11	0.33	98.8	0.61	0.13	7.73	-0.69	0.77	47.0	0.81	0.05	
		17.5	2.1		2.4	1.5		10.7	0.3		-1.66	0.45		7.7	0.1	
6810	5.7	-4.14	0.20	5.3	-4.58	0.08	4.8	-4.76	0.24	0.51	-3.70	0.02	3.6	-3.79	0.09	
		-83.5	0.6		-96.7	0.4		-83.3	0.6		-8.88	0.01		-35.8	0.2	
6854	81.7	-0.37	1.22	94.3	-0.36	1.55	80.8	-0.42	1.52	8.52	-0.36	0.58	38.1	-0.13	1.44	
		-7.4	3.8		-7.7	7.2		-7.3	3.8		-0.87	0.34		-1.3	2.9	

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median	89.2			102.0			88.1			9.39			39.3		
Median Abs Dev	6.4			7.5			4.2			0.86			3.6		
Avg Within Lab SD	3.1			4.6			2.5			0.58			2.0		
Labs Included	12			12			12			12			12		
Labs Reporting	12			12			12			12			12		

Fe (166) in the Mehlich-3 Multi-Element Property Groups															
															Data units: mg/kg
6289	201.8	-0.18	0.09	58.9	0.00	0.42	206.2	0.00	0.53	132.7	0.01	0.51	247.0	0.02	0.07
		-9.3	1.5		0.0	1.4		0.0	5.5		0.3	2.7		1.0	1.5
6304	211.1	0.00	0.79	59.3	0.02	2.09	238.8	0.63	2.31	132.4	0.00	0.65	245.5	-0.01	0.56
		0.0	13.8		0.4	6.8		32.6	23.8		0.0	3.5		-0.5	11.8
6322	255.3	0.86	0.66	68.7	0.65	0.71	243.7	0.73	1.15	148.3	0.60	0.39	270.3	0.51	3.11
		44.2	11.5		9.7	2.3		37.4	11.9		16.0	2.1		24.3	65.4
6336	219.0	0.15	3.04	53.7	-0.35	1.87	202.7	-0.07	1.31	131.3	-0.04	2.41	246.0	0.00	0.48
		7.9	53.3		-5.3	6.1		-3.6	13.6		-1.0	12.9		0.0	10.1
6353	230.6	0.38	0.30	72.6	0.92	0.74	232.3	0.51	0.30	139.7	0.28	1.00	264.6	0.39	0.21
		19.5	5.2		13.7	2.4		26.1	3.1		7.3	5.4		18.6	4.4
6388	183.8	-0.53	0.03	45.1	-0.93	0.19	180.4	-0.50	0.26	106.3	-0.99	0.27	209.4	-0.77	0.04
		-27.3	0.6		-13.8	0.6		-25.8	2.7		-26.1	1.4		-36.7	0.9
6718	236.0	0.49	0.34	61.8	0.19	0.14	236.3	0.58	0.70	142.0	0.36	0.99	281.0	0.73	0.44
		24.9	6.0		2.8	0.5		30.1	7.2		9.6	5.3		35.0	9.2
6791	195.5	-0.31	0.43	55.6	-0.23	0.56	198.2	-0.16	0.37	121.2	-0.42	1.15	243.0	-0.06	0.20
		-15.6	7.5		-3.4	1.8		-8.0	3.9		-11.1	6.2		-3.0	4.1
6802	245.3	0.67	0.14	62.3	0.23	0.23	247.3	0.80	0.06	135.7	0.12	0.29	280.7	0.72	0.07
		34.2	2.5		3.4	0.8		41.1	0.6		3.3	1.5		34.7	1.5
6810	35.4	-3.44	0.24	10.2	-3.28	0.24	39.6	-3.23	0.23	21.9	-4.18	0.57	52.7	-4.04	0.19
		-175.7	4.2		-48.8	0.8		-166.6	2.4		-110.5	3.1		-193.3	4.0
6854	190.3	-0.41	0.44	49.9	-0.61	1.18	194.7	-0.22	1.22	121.3	-0.42	0.76	237.7	-0.17	0.70
		-20.8	7.8		-9.1	3.9		-11.6	12.7		-11.0	4.0		-8.3	14.7
Grand Median	211.1			58.9			206.2			132.4			246.0		
Median Abs Dev	20.8			5.3			26.1			9.6			18.6		
Avg Within Lab SD	17.5			3.3			10.3			5.4			21.1		
Labs Included	11			11			11			11			11		
Labs Reporting	11			11			11			11			11		

Cu (167) in the Mehlich-3 Multi-Element Property Groups															
															Data units: mg/kg
6289	1.26	1.10	1.50	2.97	0.98	0.47	2.09	0.83	1.26	0.91	0.61	0.32	2.49	0.82	1.68
		0.52	0.12		0.59	0.06		0.37	0.15		0.46	0.03		0.35	0.18

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6304	1.83	2.29	2.70	2.22	-0.27	1.30	2.56	1.89	2.26	1.66	1.62	2.58	2.78	1.49	1.62
6322	0.67	1.09	0.22	2.40	-0.16	0.16	1.63	0.84	0.27	0.33	1.22	0.21	2.13	0.64	0.17
6333	0.60	-0.15	0.70	2.40	0.02	0.00	1.63	-0.19	0.49	0.33	-0.15	0.72	2.13	-0.02	0.54
6336	0.82	-0.07	0.06	2.33	0.02	0.00	1.50	-0.09	0.06	0.47	-0.11	0.06	1.97	-0.01	0.06
6353	0.62	-0.29	0.00	2.33	-0.09	1.89	1.50	-0.49		0.47	0.03	0.72	1.97	-0.40	0.54
6388	0.64	-0.14	0.00	2.17	-0.05	0.23	1.60	-0.22	0.85	0.42	0.02	0.06	2.10	-0.17	0.06
6718	1.56	0.17	0.88	2.17	-0.36	0.95	1.60	-0.26	0.85	0.42	-0.03	0.45	2.10	-0.09	0.94
6791	0.63	0.08	0.07	2.37	-0.22	0.12	1.75	-0.12	0.10	0.42	-0.03	0.04	1.92	-0.04	0.10
6802	1.00	-0.25	0.39	2.37	-0.02	0.59	1.75	0.08	0.58	0.42	-0.03	0.52	1.92	-0.50	0.24
6810	0.26	-0.12	0.03	2.45	-0.02	0.07	1.68	0.04	0.07	0.42	-0.02	0.04	1.92	-0.22	0.03
6854	0.81	-0.20	0.00	2.45	0.11	0.38	1.68	-0.08	0.40	0.32	-0.16	0.32	2.04	-0.22	0.38
Grand Median		1.72	0.58	1.27	-1.85	0.29	2.00	0.62	0.40	3.98	4.70	0.64	2.15	0.02	0.33
Median Abs Dev		0.82	0.05	1.27	-1.11	0.04	2.00	0.28	0.05	3.98	3.54	0.05	2.15	0.01	0.04
Avg Within Lab SD		-0.22	0.70	3.00	1.02	1.42	1.93	0.48	0.49	0.33	-0.15	0.72	2.47	0.76	0.54
Labs Included	12	-0.10	0.00	3.00	0.62	0.17	1.93	0.22	0.06	0.33	-0.11	0.06	2.47	0.33	0.06
Labs Reporting	12	0.55	0.00	2.80	0.69	0.00	2.10	0.85	0.85	0.50	0.07		2.40	0.60	0.00
		0.26	0.19	0.86	-2.53	0.47	0.72	0.38	0.10	0.15	0.06		2.40	0.26	0.00
		-0.48	0.02	0.86	-1.52	0.06	0.72	-2.23	0.34	0.15	-0.39	0.00	0.87	-2.95	0.52
		0.15	0.43	2.48	0.15	1.68	1.68	-1.00	0.04	0.15	-0.30	0.00	0.87	-1.27	0.06
		0.07	0.04	2.48	0.09	0.21	1.68	-0.09	1.63	0.55	0.14	1.63	2.23	0.22	2.05
				2.48	0.09	0.21	1.68	-0.04	0.19	0.55	0.11	0.13	2.23	0.09	0.22
Grand Median		0.74		2.39			1.72			0.45			2.14		
Median Abs Dev		0.13		0.19			0.22			0.11			0.20		
Avg Within Lab SD		0.08		0.12			0.12			0.08			0.11		
Labs Included		12		12			12			12			12		
Labs Reporting		12		12			12			12			12		

B (168) in the Mehlich-3 Multi-Element Property Groups															
															Data units: mg/kg
6289	0.28	-0.24	2.34	2.16	0.02	0.54	0.73	0.45	1.87	0.35	0.72	1.38	1.07	0.19	0.34
6304	0.29	-0.07	0.23	1.38	0.02	0.06	0.46	0.15	0.19	0.10	0.15	0.06	0.75	0.07	0.03
6322	1.03	-0.20	0.16	2.67	-1.05	1.16	1.10	-0.35	1.09	0.70	-0.47	0.41	1.67	-0.70	1.20
6333		-0.06	0.02	1.60	-0.76	0.14		-0.12	0.11		-0.10	0.02		-0.25	0.11
6336	0.48	2.34	0.59	1.60	0.73	0.98		1.54	0.00		2.35	0.00		1.85	0.61
6353	0.35	0.69	0.06	1.60	0.53	0.12		0.52	0.00		0.50	0.00		0.67	0.06
				1.60	-0.74	0.85									
				1.60	-0.54	0.10									
				1.57	-0.79	0.98	0.58	0.00	0.54	0.23	0.16	1.38	1.00	0.00	0.86
				1.57	-0.57	0.12	0.58	0.00	0.06	0.23	0.03	0.06	1.00	0.00	0.08
				2.12	-0.02	0.64	0.72	0.42	1.03	0.17	-0.13	0.28	1.07	0.19	0.88
				2.12	-0.02	0.08	0.72	0.14	0.11	0.17	-0.03	0.01	1.07	0.07	0.08

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6388	0.26	-0.31	0.12	2.29	0.21	0.42	0.54	-0.10	0.15	0.16	-0.17	0.50	0.99	-0.02	0.52
6718	0.40	-0.09	0.01	1.63	0.15	0.05	0.55	-0.03	0.02	0.24	-0.04	0.02	0.88	-0.01	0.05
6791	0.67	0.19	0.16	3.10	-0.70	0.49	1.03	-0.09	0.37	0.60	0.20	0.96	1.57	-0.34	0.26
6802	0.70	0.06	0.02	2.43	-0.51	0.06	1.07	-0.03	0.04	0.20	0.04	0.04	1.27	-0.12	0.03
6810	0.10	1.09	2.11	0.72	1.32	2.24	0.15	1.35	2.04	0.04	1.88	2.38	0.35	1.57	2.42
6854	0.19	0.32	0.21	2.25	0.96	0.26	0.44	0.46	0.21	0.08	0.40	0.10	0.99	0.57	0.23
		1.21	0.00		0.40	0.49		1.44	0.57		0.00	0.00		0.74	0.61
		0.35	0.00		0.29	0.06		0.49	0.06		0.00	0.00		0.27	0.06
		-0.84	0.10		-1.95	0.72		-1.27	0.30		-0.77	0.17		-1.81	0.42
		-0.25	0.01		-1.42	0.09		-0.43	0.03		-0.17	0.01		-0.65	0.04
		-0.55	0.31		0.16	1.06		-0.40	0.45		-0.58	0.28		-0.02	0.90
		-0.16	0.03		0.11	0.13		-0.14	0.05		-0.12	0.01		-0.01	0.09
Grand Median		0.35			2.14			0.58			0.20			1.00	
Median Abs Dev		0.13			0.52			0.14			0.10			0.12	
Avg Within Lab SD		0.10			0.12			0.10			0.04			0.10	
Labs Included		11			12			11			11			11	
Labs Reporting		11			12			11			11			11	

Zn - DTPA (169)		in the Micronutrients Property Groups											Data units: mg/kg		
6276	0.79	-0.37	0.56	0.69	0.22	0.22	1.45	-0.68	0.25	0.49	0.69	0.62	1.65	-0.44	0.69
6278	0.70	-0.11	0.07	0.65	0.04	0.02	1.40	-0.22	0.03	0.20	0.14	0.06	1.80	-0.15	0.07
6283	0.90	-0.67	0.00	0.57	0.00	0.52	1.69	-0.85	0.00	0.35	-0.78	0.00	1.76	0.00	1.02
6288	0.61	-0.20	0.00	0.59	-0.49	0.85	1.31	0.06	0.51	0.28	-0.15	0.00	1.69	0.00	0.10
6289	0.78	-0.01	0.56	0.65	-0.08	0.08	1.63	0.02	0.06	0.29	-0.01	0.17	0.88	-0.11	0.26
6305	1.26	0.00	0.07	0.60	-0.36	0.28	1.80	-1.14	0.14	0.54	0.00	0.02	1.79	-0.04	0.03
6306	0.87	-0.96	0.21	0.59	-0.06	0.03	1.66	-0.36	0.02	0.40	-0.37	0.10	2.05	-0.33	0.71
6327	1.02	-0.40	0.17	0.65	0.00	0.28	1.67	-0.11	0.52	0.35	-0.07	0.01	1.63	-0.11	0.07
6330	1.07	-0.12	0.02	0.60	0.00	0.03	1.07	-0.04	0.06	1.30	-0.32	0.52	1.87	-2.79	0.18
6334	0.63	1.20	2.58	0.60	-0.33	0.17	1.80	0.41	0.18	0.29	-0.06	0.05	1.79	-0.92	0.02
6335	1.33	0.36	0.30	0.60	-0.06	0.02	1.66	0.13	0.02	0.54	0.98	0.67	1.79	-0.05	0.43
		-0.10	0.68	0.86	1.24	0.28	1.66	-0.04	0.55	0.40	0.23	0.11	2.05	0.77	0.93
		-0.03	0.08	0.86	0.21	0.03	1.66	-0.01	0.07	0.40	0.05	0.01	2.05	0.25	0.09
		0.39	1.14	0.63	-0.12	0.71	1.67	0.00	0.96	0.35	0.00	0.55	1.63	-0.50	2.51
		0.12	0.13	0.63	-0.02	0.07	1.67	0.00	0.12	0.35	0.00	0.06	1.63	-0.17	0.25
		0.56	0.49	1.00	2.07	1.05	1.07	-1.90	2.86	1.30	4.87	2.95	1.87	0.20	0.59
		0.17	0.06	1.00	0.35	0.10	1.07	-0.60	0.35	1.30	0.95	0.30	1.87	0.07	0.06
		-0.90	0.56	0.53	-0.73	0.22	1.20	-1.47	0.12	0.29	-0.32	0.10	1.55	-0.76	0.10
		-0.27	0.07	0.53	-0.12	0.02	1.20	-0.47	0.02	0.29	-0.06	0.01	1.55	-0.25	0.01
		1.42	0.69	0.71	0.34	0.30	1.72	0.17	0.24	0.30	-0.26	0.10	1.99	0.57	0.16
		0.43	0.08	0.71	0.06	0.03	1.72	0.05	0.03	0.30	-0.05	0.01	1.99	0.19	0.02

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6336	1.02	0.39	2.00	0.48	-1.01	1.96	1.43	-0.75	2.49	0.35	0.01	2.55	1.37	-1.31	2.57
		0.12	0.24		-0.17	0.19		-0.24	0.31		0.00	0.26		-0.43	0.25
6338	1.19	0.98	0.26	0.55	-0.59	0.10	1.84	0.54	0.29	0.48	0.68	0.06	2.11	0.93	0.39
		0.29	0.03		-0.10	0.01		0.17	0.04		0.13	0.01		0.31	0.04
6343	0.83	-0.22	0.49	0.50	-0.89		1.33	-1.06	0.47	0.20	-0.78	0.00	1.53	-0.81	0.59
		-0.07	0.06		-0.15			-0.34	0.06		-0.15	0.00		-0.27	0.06
6353	0.85	-0.16	0.58	0.65	0.00	0.31	1.55	-0.39	0.20	0.42	0.35	0.26	1.63	-0.50	0.62
		-0.05	0.07		0.00	0.03		-0.12	0.03		0.07	0.03		-0.17	0.06
6357	0.87	-0.11	0.49	0.70	0.30	0.00	1.70	0.10	0.00	0.30	-0.26	0.00	1.87	0.20	0.59
		0.00	0.06		0.05	0.00		0.03	0.00		-0.05	0.00		0.07	0.06
6361	0.90	0.00	0.74	0.76	0.63	0.79	1.83	0.50	1.94	0.52	0.85	1.27	2.06	0.80	1.59
		0.00	0.09		0.11	0.08		0.16	0.24		0.17	0.13		0.26	0.16
6382	1.03	0.44	1.30	0.42	-1.38	3.33	1.70	0.10	0.81	0.27	-0.40	2.37	1.83	0.10	1.18
		0.13	0.15		-0.23	0.32		0.03	0.10		-0.08	0.24		0.03	0.12
6396	1.00	0.33	0.47	0.75	0.59	0.28	1.99	1.00	0.54	0.31	-0.20	0.15	2.14	1.03	1.40
		0.10	0.06		0.10	0.03		0.32	0.07		-0.04	0.02		0.34	0.14
6620	1.60	2.33	2.51	0.79	0.81	0.76	1.90	0.72	0.20	0.42	0.37	0.58	2.05	0.75	0.16
		0.70	0.30		0.14	0.07		0.23	0.03		0.07	0.06		0.25	0.02
6626	1.64	2.47	0.31	0.62	-0.16	0.22	2.01	1.06	0.29	0.47	0.59	0.06	1.96	0.49	0.16
		0.74	0.04		-0.03	0.02		0.34	0.04		0.12	0.01		0.16	0.02
6649	1.25	1.15	0.81	1.16	3.01	2.35	1.90	0.72	1.81	0.90	2.82	0.55	1.88	0.24	0.87
		0.35	0.10		0.51	0.22		0.23	0.22		0.55	0.06		0.08	0.08
6664	0.77	-0.44	0.49	0.60	-0.30	0.00	1.33	-1.06	0.47	0.43	0.42	0.57	1.63	-0.50	0.59
		-0.13	0.06		-0.05	0.00		-0.34	0.06		0.08	0.06		-0.17	0.06
6833	0.66	-0.81	0.43	0.45	-1.17	0.16	1.30	-1.18	0.05	0.30	-0.26	0.10	1.21	-1.80	0.12
		-0.24	0.05		-0.20	0.02		-0.37	0.01		-0.05	0.01		-0.59	0.01
6879	0.92	0.07	0.15	0.67	0.14	0.26	1.94	0.85	0.00	0.34	-0.06	0.17	2.09	0.88	0.53
		0.02	0.02		0.02	0.03		0.27	0.00		-0.01	0.02		0.29	0.05
Grand Median		0.90			0.65			1.67			0.35			1.80	
Median Abs Dev		0.13			0.08			0.23			0.07			0.17	
Avg Within Lab SD		0.12			0.10			0.12			0.10			0.10	
Labs Included		25			25			25			25			25	
Labs Reporting		25			25			25			25			25	

Mn - DTPA (170)

in the Micronutrients Property Groups

Data units: mg/kg

6276	45.8	-0.44	0.38	2.60	-0.04	0.41	64.8	-0.55	0.40	6.48	0.16	0.65	1.95	-0.74	0.49
		-7.6	1.7		-0.06	0.16		-9.4	1.8		0.41	0.24		-1.49	0.21
6278	59.7	0.36	0.34	3.63	0.63	0.15	74.8	0.04	0.38	4.78	-0.50	0.21	4.03	0.30	0.36
		6.2	1.5		0.97	0.06		0.7	1.8		-1.28	0.08		0.60	0.15
6283	45.2	-0.48	0.91	1.33	-0.87	0.39	67.0	-0.43	0.93	4.64	-0.55	0.75	1.52	-0.96	0.11
		-8.3	4.1		-1.33	0.15		-7.2	4.3		-1.42	0.28		-1.91	0.05

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6288	54.7	0.07	0.45	2.97	0.20	0.15	70.0	-0.25	0.09	5.87	-0.08	0.82	4.67	0.62	0.27
		1.3	2.0		0.30	0.06		-4.2	0.4		-0.20	0.30		1.23	0.12
6305	152.8	5.77	1.64	2.01	-0.43	0.98	174.4	5.93	0.30	17.98	4.63	2.17	2.59	-0.42	1.49
		99.3	7.3		-0.66	0.38		100.3	1.4		11.92	0.80		-0.85	0.63
6306	50.2	-0.19	0.50	6.04	2.19	3.64	74.2	0.00	0.86	8.89	1.10	1.03	4.27	0.42	0.90
		-3.2	2.2		3.37	1.42		0.0	4.0		2.82	0.38		0.84	0.38
6327	66.5	0.76	1.98	3.83	0.76	0.61	78.3	0.25	1.59	4.97	-0.43	1.21	5.81	1.19	1.76
		13.1	8.8		1.16	0.24		4.2	7.4		-1.10	0.44		2.37	0.74
6330	48.9	-0.27	0.22	4.47	1.17	0.53	61.0	-0.78	0.19	7.90	0.71	0.72	5.20	0.88	0.24
		-4.6	1.0		1.80	0.21		-13.2	0.9		1.83	0.26		1.77	0.10
6334	42.6	-0.63	0.47	2.45	-0.14	0.09	55.6	-1.10	0.24	6.56	0.19	0.37	3.20	-0.12	0.37
		-10.8	2.1		-0.22	0.04		-18.5	1.1		0.49	0.14		-0.24	0.16
6335	70.5	0.99	0.30	6.00	2.17	0.26	80.7	0.39	0.11	4.97	-0.43	0.16	8.80	2.69	0.24
		17.1	1.4		3.33	0.10		6.6	0.5		-1.10	0.06		5.37	0.10
6336	63.3	0.58	0.79	2.87	0.13	0.53	78.7	0.27	1.56	7.80	0.67	1.91	3.90	0.23	0.24
		9.9	3.5		0.20	0.21		4.5	7.2		1.73	0.70		0.47	0.10
6338	35.1	-1.06	2.27	1.27	-0.91	0.41	60.9	-0.78	2.91	2.53	-1.37	1.40	2.14	-0.65	0.85
		-18.3	10.1		-1.39	0.16		-13.3	13.5		-3.53	0.51		-1.29	0.36
6343	52.7	-0.04	0.69	2.67	0.00	1.48	70.3	-0.23	0.54	5.67	-0.16	1.57	1.33	-1.05	1.37
		-0.8	3.1		0.00	0.58		-3.8	2.5		-0.40	0.58		-2.10	0.58
6353	36.9	-0.96	0.45	2.54	-0.08	0.66	48.1	-1.54	0.46	4.98	-0.42	0.38	2.76	-0.34	0.74
		-16.5	2.0		-0.13	0.26		-26.0	2.1		-1.09	0.14		-0.68	0.31
6357	58.3	0.28	0.91	6.33	2.39	1.48	74.0	-0.01	0.22	11.33	2.04	1.57	3.67	0.12	1.37
		4.9	4.0		3.67	0.58		-0.2	1.0		5.27	0.58		0.23	0.58
6361	57.2	0.22	0.64	2.17	-0.33	0.78	77.1	0.17	1.58	6.87	0.31	0.83	3.67	0.12	2.61
		3.8	2.9		-0.50	0.31		2.9	7.3		0.80	0.31		0.23	1.10
6382	53.4	0.00	1.56	2.60	-0.04	1.17	73.5	-0.04	1.71	5.33	-0.28	1.10	3.37	-0.03	1.92
		0.0	7.0		-0.07	0.46		-0.7	7.9		-0.73	0.40		-0.07	0.81
6396	72.5	1.11	0.89	3.17	0.33	0.15	90.3	0.96	0.49	6.28	0.08	0.34	6.30	1.44	0.41
		19.1	4.0		0.50	0.06		16.2	2.3		0.22	0.13		2.87	0.17
6620	49.3	-0.24	1.58	2.87	0.13	0.32	79.3	0.30	0.42	6.81	0.29	0.27	3.43	0.00	0.30
		-4.1	7.0		0.20	0.12		5.1	2.0		0.74	0.10		0.00	0.12
6626	59.7	0.36	0.36	1.76	-0.59	0.12	82.1	0.47	0.29	6.07	0.00	0.42	2.16	-0.64	0.16
		6.2	1.6		-0.91	0.05		8.0	1.4		0.00	0.15		-1.27	0.07
6649	48.8	-0.27	0.47	1.44	-0.80	0.01	79.3	0.30	0.79	5.06	-0.39	0.53	1.60	-0.92	0.32
		-4.6	2.1		-1.23	0.00		5.1	3.7		-1.01	0.19		-1.83	0.13
6664	53.2	-0.02	0.86	1.33	-0.87	0.39	69.1	-0.30	0.55	7.50	0.56	0.27	1.67	-0.88	0.36
		-0.3	3.8		-1.33	0.15		-5.0	2.6		1.43	0.10		-1.77	0.15
6879	60.4	0.40	0.10	3.16	0.32	0.40	81.8	0.45	0.30	5.64	-0.16	0.24	4.94	0.75	0.10
		6.9	0.5		0.49	0.16		7.6	1.4		-0.42	0.09		1.51	0.04

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median	53.4			2.67			74.2			6.07			3.43		
Median Abs Dev	6.2			0.66			5.1			1.09			1.27		
Avg Within Lab SD	4.5			0.39			4.6			0.37			0.42		
Labs Included	23			23			23			23			23		
Labs Reporting	23			23			23			23			23		

Fe - DTPA (171)		in the Micronutrients Property Groups										Data units: mg/kg			
6276	72.8	-0.31	0.27	4.03	-0.13	0.21	82.8	-0.40	0.59	44.4	-0.08	0.11	42.4	-0.71	0.62
		-17.0	6.1		-0.20	0.15		-14.8	3.5		-2.6	1.2		-9.6	1.9
6278	33.0	-1.04	0.04	3.00	-0.80		55.7	-1.14	0.10	17.5	-0.92	0.05	29.3	-1.67	0.51
		-56.8	1.0		-1.24			-42.0	0.6		-29.5	0.5		-22.7	1.5
6283	88.5	-0.03	0.18	3.33	-0.59	0.13	93.1	-0.12	1.10	41.7	-0.17	0.07	49.6	-0.18	0.34
		-1.4	4.0		-0.91	0.09		-4.5	6.5		-5.3	0.8		-2.4	1.0
6288	77.0	-0.24	0.09	4.23	0.00	0.35	92.3	-0.14	0.10	38.7	-0.26	0.05	53.3	0.10	0.19
		-12.8	2.0		0.00	0.25		-5.3	0.6		-8.3	0.6		1.3	0.6
6305	208.5	2.18	3.88	5.13	0.57	1.67	137.2	1.08	0.79	142.1	2.95	0.76	54.7	0.20	0.32
		118.7	87.3		0.89	1.20		39.5	4.7		95.1	8.4		2.7	1.0
6306	71.7	-0.33	0.13	7.90	2.36	3.05	88.7	-0.24	0.20	45.6	-0.04	0.29	56.7	0.34	0.36
		-18.1	2.9		3.66	2.18		-9.0	1.2		-1.4	3.3		4.7	1.1
6327	110.4	0.38	0.91	4.24	0.00	0.56	104.0	0.17	1.02	65.5	0.57	1.66	51.0	-0.07	2.20
		20.5	20.6		0.00	0.40		6.3	6.1		18.5	18.4		-1.0	6.6
6330	61.3	-0.52	0.07	7.80	2.29	0.14	69.2	-0.78	0.27	37.3	-0.30	0.21	48.2	-0.28	0.36
		-28.6	1.7		3.56	0.10		-28.5	1.6		-9.7	2.3		-3.8	1.1
6334	71.4	-0.34	0.11	3.09	-0.74	0.16	55.2	-1.16	0.34	34.5	-0.39	0.02	40.4	-0.85	0.17
		-18.4	2.5		-1.14	0.11		-42.4	2.0		-12.5	0.2		-11.6	0.5
6335	220.4	2.40	0.40	6.00	1.14	0.14	151.3	1.46	0.35	71.5	0.76	0.05	78.6	1.96	0.56
		130.5	9.0		1.76	0.10		53.6	2.1		24.5	0.6		26.6	1.7
6336	157.3	1.24	0.72	4.80	0.36	1.24	115.4	0.48	1.60	56.0	0.28	0.71	52.0	0.00	0.88
		67.5	16.3		0.56	0.89		17.8	9.5		9.0	7.8		0.0	2.6
6338	101.6	0.22	0.40	2.11	-1.37	0.86	97.7	0.00	1.06	82.5	1.10	1.32	47.1	-0.36	0.67
		11.8	9.0		-2.13	0.61		0.0	6.3		35.5	14.6		-4.9	2.0
6343	80.0	-0.18		3.67	-0.37	0.81	59.3	-1.04	1.10	19.0	-0.87	0.18	32.3	-1.45	0.51
		-9.8			-0.57	0.58		-38.3	6.5		-28.0	2.0		-19.7	1.5
6353	68.0	-0.40	0.11	5.80	1.01	1.09	77.3	-0.56	0.33	32.8	-0.44	0.07	40.8	-0.83	0.21
		-21.8	2.4		1.56	0.78		-20.4	1.9		-14.2	0.8		-11.2	0.6
6357	59.0	-0.57	0.23	5.67	0.92	2.13	71.7	-0.71	0.26	47.0	0.00	0.27	46.7	-0.39	0.77
		-30.8	5.2		1.43	1.53		-26.0	1.5		0.0	3.0		-5.3	2.3
6361	100.2	0.19	0.91	4.73	0.32	0.89	106.4	0.24	1.43	54.7	0.24	0.08	65.6	1.01	1.62
		10.3	20.5		0.50	0.64		8.8	8.5		7.7	0.8		13.6	4.9
6382	140.7	0.93	2.09	4.13	-0.07	0.49	126.1	0.78	2.56	99.4	1.63	3.90	62.0	0.74	1.16
		50.8	47.0		-0.10	0.35		28.5	15.2		52.4	43.1		10.0	3.5

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6396	89.8	0.00	0.34	4.80	0.36	0.48	115.5	0.49	0.22	33.3	-0.42	0.14	74.2	1.64	3.03
6620	95.7	0.11	0.70	4.58	0.22	0.36	112.3	0.40	0.68	56.0	0.28	0.30	56.5	0.33	0.24
6626	273.7	5.9	15.9	2.91	0.35	0.25	196.3	14.7	4.0	107.7	9.0	3.4	72.3	4.5	0.7
6649	77.9	3.37	0.35	3.33	-0.86	0.11	115.5	2.69	1.90	33.0	1.88	1.36	52.9	1.50	1.02
6664	100.4	183.8	7.8	3.57	-1.33	0.08	79.5	98.7	11.2	81.7	60.7	15.0	49.0	20.3	3.1
6879	97.3	-0.22	0.23	4.28	-0.58	0.39	114.4	0.49	1.22	60.2	-0.43	0.04	60.4	0.07	0.39
		-11.9	5.3		-0.90	0.28		17.8	7.2		-14.0	0.5		0.9	1.2
		0.19	0.31		-0.43	0.16		-0.49	0.32		1.08	0.01		-0.22	0.32
		10.6	6.9		-0.67	0.12		-18.2	1.9		34.7	0.2		-3.0	1.0
		0.14	0.05		0.03	0.34		0.46	0.29		0.41	0.10		0.62	0.24
		7.4	1.0		0.05	0.24		16.8	1.7		13.2	1.1		8.4	0.7
Grand Median		89.8			4.24			97.7			47.0			52.0	
Median Abs Dev		18.1			0.89			17.8			13.7			5.3	
Avg Within Lab SD		22.5			0.72			5.9			11.1			3.0	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	

Cu - DTPA (172)			in the Micronutrients Property Groups												Data units: mg/kg		
6276	0.37	-0.33	0.41	0.91	0.05	0.12	0.83	-0.18	0.26	0.30	0.99	0.70	0.92	0.31	2.97		
6278	0.25	-0.04	0.02	0.90	0.01	0.01	0.75	-0.03	0.02	0.15	0.10	0.02	0.83	0.05	0.19		
6283	0.36	-1.31	1.00	0.80	0.00	2.07	0.82	-0.60	0.86	0.18	-0.51	1.51	0.84	-0.28	0.40		
6288	0.35	-0.16	0.05	0.87	-0.66	0.66	0.76	-0.23	0.43	0.22	-0.24	0.46	0.82	-0.22	0.24		
6305	0.44	-0.05	0.04	0.81	-0.10	0.03	0.84	-0.04	0.03	0.28	-0.02	0.02	0.79	-0.04	0.02		
6306	0.32	-0.45	0.41	1.06	-0.23	0.43	0.89	-0.56	0.36	0.22	0.24	1.06	0.82	-0.33	0.27		
6327	0.40	-0.05	0.02	0.87	-0.03	0.02	0.89	-0.10	0.02	0.17	0.02	0.04	0.87	-0.05	0.02		
6330	0.57	0.31	0.34	0.81	-0.59	0.38	1.03	-0.12	0.11	0.53	0.80	1.27	1.03	-0.53	0.37		
6334	0.24	0.04	0.02	0.81	-0.09	0.02	0.56	-0.02	0.01	0.12	0.08	0.04	0.67	-0.09	0.02		
6335	0.57	-0.70	0.46	1.06	1.07	1.49	0.89	0.16	0.30	0.18	0.21	1.32	0.93	0.33	0.87		
6336	0.43	-0.08	0.02	0.95	0.16	0.07	0.89	0.03	0.02	0.22	0.02	0.04	0.87	0.05	0.06		
		-0.04	0.94	0.95	0.34	1.28	0.89	0.18	1.08	0.17	-0.36	0.60	0.87	-0.01	1.83		
		0.00	0.05	0.97	0.05	0.06	1.03	0.03	0.06	0.53	-0.03	0.02	1.03	0.00	0.12		
		1.34	1.15	0.97	0.46	1.19	1.03	0.94	0.99	0.53	3.43	1.74	1.03	0.99	0.91		
		0.16	0.06	0.97	0.07	0.06	1.03	0.17	0.06	0.53	0.33	0.06	1.03	0.16	0.06		
		-1.42	0.30	0.69	-1.46	0.83	0.56	-1.64	0.26	0.12	-0.86	0.35	0.67	-1.25	0.32		
		-0.17	0.02	0.69	-0.21	0.04	0.56	-0.30	0.02	0.12	-0.08	0.01	0.67	-0.20	0.02		
		1.39	0.30	1.12	1.50	0.74	1.08	1.17	0.36	0.18	-0.17	0.35	1.10	1.40	0.42		
		0.17	0.02	1.12	0.22	0.04	1.08	0.22	0.02	0.18	-0.02	0.01	1.10	0.23	0.03		
		0.17	0.30	0.84	-0.41	0.72	0.92	0.35	1.29	0.23	0.31	1.60	0.80	-0.43	0.81		
		0.02	0.02	0.84	-0.06	0.03	0.92	0.06	0.08	0.23	0.03	0.05	0.80	-0.07	0.05		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6338	0.41	0.00	0.61	0.70	-1.34	0.43	0.82	-0.22	0.45	0.22	0.21	0.30	0.80	-0.47	0.33
6343	0.23	-1.45	1.15	0.60	-2.05	0.00	0.53	-1.77	0.99	0.10	-1.03	0.00	0.60	-1.68	0.00
6353	0.42	-0.17	0.06	0.72	-0.30	0.00	0.81	-0.33	0.06	0.17	-0.10	0.00	0.67	-0.27	0.00
6357	0.33	0.08	0.75	0.93	-1.23	0.41	0.83	-0.25	0.49	0.20	-0.27	0.76	0.93	-1.23	0.40
6361	0.49	0.01	0.04	1.08	-0.18	0.02	1.06	-0.05	0.03	0.34	-0.03	0.03	1.11	-0.20	0.03
6382	0.41	-0.61	1.15	0.91	0.23	1.19	1.01	-0.14	0.99	0.16	0.00	0.00	0.94	0.37	0.91
6396	0.55	-0.07	0.06	1.00	0.03	0.06	1.14	-0.03	0.06	0.23	0.00	0.00	1.10	0.06	0.06
6620	0.40	0.72	2.11	1.03	1.23	1.29	0.86	1.10	2.67	0.20	1.47	2.29	0.96	1.46	1.41
6626	0.48	0.09	0.11	0.85	0.18	0.06	1.12	0.20	0.16	0.16	0.14	0.08	0.99	0.24	0.09
6649	0.58	0.06	1.33	0.85	0.07	1.64	0.90	0.80	1.93	0.49	-0.38	0.35	0.87	0.39	1.56
6664	0.27	0.01	0.07	0.90	0.01	0.08	0.70	0.15	0.11	0.20	-0.04	0.01	0.83	0.06	0.10
6879	0.44	1.17	1.00	0.95	0.66	0.63	1.06	1.54	0.43	0.22	0.34	0.87	1.02	1.40	0.63
		0.14	0.05		0.10	0.03		0.28	0.03		0.03	0.03		0.23	0.04
		-0.06	1.83		0.91	0.63		0.00	0.45		-0.03	0.17		0.54	0.42
		-0.01	0.09		0.13	0.03		0.00	0.03		0.00	0.01		0.09	0.03
		0.61	0.72		-0.34	0.36		1.39	0.20		-0.45	0.35		0.74	0.18
		0.07	0.04		-0.05	0.02		0.26	0.01		-0.04	0.01		0.12	0.01
		1.46	1.40		-0.36	1.80		0.23	2.03		2.98	1.47		0.00	0.82
		0.17	0.07		-0.05	0.09		0.04	0.12		0.29	0.05		0.00	0.05
		-1.17	1.15		0.00	0.00		-0.87	0.00		0.00	0.00		-0.24	0.91
		-0.14	0.06		0.00	0.00		-0.16	0.00		0.00	0.00		-0.04	0.06
		0.28	0.40		0.32	0.78		1.07	0.10		0.24	0.46		0.89	0.46
		0.03	0.02		0.05	0.04		0.20	0.01		0.02	0.02		0.14	0.03
Grand Median		0.41			0.90			0.86			0.20			0.87	
Median Abs Dev		0.07			0.07			0.10			0.03			0.08	
Avg Within Lab SD		0.05			0.05			0.06			0.03			0.06	
Labs Included		23			23			23			23			23	
Labs Reporting		23			23			23			23			23	

Zn - HCl (173)

in the Micronutrients Property Groups

Data units: mg/kg

6304	1.00	1.48	1.53	0.60	2.95
6833	1.33	2.35	2.47	0.63	4.60
6854	1.59	2.49	2.48	0.44	4.76



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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median		1.33			2.35			2.47		0.60			4.60		
Median Abs Dev		0.25			0.14			0.01		0.03			0.16		
Avg Within Lab SD										0.06			0.22		
Labs Included		3			3			3		3			3		
Labs Reporting		3			3			3		3			3		

Mn-H3PO4 (174)		in the Micronutrients Property Groups										Data units: mg/kg					
6304	39.9				46.0					39.5				3.65			16.7
6833	38.1				1.3					27.3				5.37			4.1
Grand Median		39.0			23.7					33.4				4.51			10.4
Median Abs Dev		0.9			22.4					6.1				0.86			6.3
Avg Within Lab SD														0.21			0.6
Labs Included		2			2					2				2			2
Labs Reporting		2			2					2				2			2

Cl - Ca(NO3)2 Extr. (175)			in the Micronutrients Property Groups										Data units: mg/kg				
6306	17.4	0.32	1.10														
		1.4	1.0		34.6	0.55	0.88		2.90	0.56	1.64		9.25	0.77	1.79		11.69
		-2.17	0.76			5.2	1.0			1.44	0.34			2.58	1.09		3.19
6330	6.6	-9.4	0.7		10.1	-2.03	1.08		0.30	-0.45	0.33		2.57	-1.23	0.46		3.08
		-0.35	0.56			-19.2	1.3			-1.16	0.07			-4.10	0.28		-5.42
6343	14.5	-1.5	0.5		20.0	-0.99			3.50	0.78	0.49		6.13	-0.16	0.25		7.00
		0.15	2.12			-9.4				2.00	0.10			-0.53	0.15		-1.50
6361	16.7	0.7	1.9		30.5	0.12	1.86		1.20	-0.13	1.40		9.50	0.85	1.42		11.17
		-0.48	0.45			1.1	2.2			-0.33	0.29			2.83	0.87		2.67
6664	13.9	-2.1	0.4		23.1	-0.66	1.03		1.10	-0.16	0.97		6.67	0.00	0.84		-0.42
		1.26	0.45			-6.3	1.2			-0.40	0.20			0.00	0.51		-1.77
6802	21.4	5.4	0.4		29.4	0.00	0.74		8.20	2.64	1.01		11.80	1.54	0.91		13.80
		0.00				0.0	0.9			6.73	0.21			5.13	0.56		5.30
6854	16.0	0.0			32.9	0.37			1.50	0.00			6.10	-0.17			8.50
		0.0				3.5				0.00				-0.57			0.00
Grand Median		16.0			29.4				1.50				6.67				8.50
Median Abs Dev		1.5			5.2				1.16				2.58				2.67
Avg Within Lab SD		0.9			1.2				0.21				0.61				0.95
Labs Included		7			7				7				7				7
Labs Reporting		7			7				7				7				7

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SRS0901

Sample Mean Z Score k Score
Difference W/L STD

SRS0902

Sample Mean Z Score k Score
Difference W/L STD

SRS0903

Sample Mean Z Score k Score
Difference W/L STD

SRS0904

Sample Mean Z Score k Score
Difference W/L STD

SRS0905

Sample Mean Z Score k Score
Difference W/L STD

B - Hot Wat. (176)

in the Micronutrients Property Groups

Data units: mg/kg

6278	0.20	-0.35	0.00	1.30	0.01	0.73	0.25	-1.05	0.59	0.15	0.19	0.66	0.67	0.13	0.83
		-0.09	0.00		0.01	0.10		-0.31	0.05		0.03	0.05		0.03	0.06
6288	0.53	0.95	0.19	1.41	0.29	0.31	0.69	0.42	0.72	0.23	0.77	0.76	0.64	0.00	0.22
		0.24	0.01		0.11	0.04		0.12	0.06		0.11	0.06		0.00	0.02
6304	0.20	-0.34	0.06	0.94	-0.93	0.57	0.29	-0.92	0.23	0.12	-0.05	0.21	0.61	-0.12	0.07
		-0.09	0.00		-0.36	0.08		-0.27	0.02		-0.01	0.02		-0.03	0.01
6306	0.40	0.44	1.80	0.73	-1.48	0.36	0.61	0.15	0.86	0.37	1.73	0.81	0.62	-0.08	0.29
		0.11	0.11		-0.57	0.05		0.04	0.07		0.25	0.06		-0.02	0.02
6327	0.17	-0.48	0.49	1.21	-0.21	2.81	0.50	-0.22	1.82	0.05	-0.50	0.25	0.62	-0.05	3.24
		-0.12	0.03		-0.08	0.38		-0.07	0.15		-0.07	0.02		-0.01	0.23
6334	0.12	-0.65	0.26	0.94	-0.91	0.30	0.33	-0.77	0.53	0.08	-0.28	0.20	0.51	-0.58	0.60
		-0.17	0.02		-0.35	0.04		-0.23	0.05		-0.04	0.02		-0.13	0.04
6338	0.29	0.00	0.67	1.33	0.09	0.83	0.76	0.67	1.75	0.11	-0.09	0.23	0.78	0.63	0.30
		0.00	0.04		0.04	0.11		0.20	0.15		-0.01	0.02		0.14	0.02
6407	0.36	0.25	0.10	0.95	-0.91	0.78	0.35	-0.70	0.41	0.06	-0.47	0.04	0.58	-0.26	0.18
		0.07	0.01		-0.35	0.11		-0.21	0.03		-0.07	0.00		-0.06	0.01
6408	0.10	-0.74	0.00	0.50	-2.06		0.27	-0.99	0.68				0.20	-1.96	0.00
		-0.19	0.00		-0.80			-0.30	0.06					-0.44	0.00
6409	0.20	-0.35	0.00	1.50	0.53		0.67	0.35	0.68				0.80	0.73	0.00
		-0.09	0.00		0.21			0.10	0.06					0.16	0.00
6516	0.29	0.01	0.23	1.66	0.96	0.39	0.69	0.43	0.14	0.10	-0.16	0.03	0.93	1.30	0.12
		0.00	0.01		0.37	0.05		0.13	0.01		-0.02	0.00		0.29	0.01
6649	0.23	-0.22	0.80	1.30	0.00	0.90	0.56	0.00	0.24	0.17	0.33	0.01	0.60	-0.15	0.32
		-0.06	0.05		0.00	0.12		0.00	0.02		0.05	0.00		-0.03	0.02
6833	0.70	1.60	1.26	1.20	-0.24	0.74	0.50	-0.22	0.18	0.28	1.09	0.40	1.01	1.67	1.04
		0.41	0.08		-0.09	0.10		-0.07	0.02		0.16	0.03		0.37	0.07
6854	0.29	0.00	0.93	1.76	1.20	1.44	0.77	0.69	0.79	0.12	0.00	0.33	0.95	1.40	0.38
		0.00	0.06		0.46	0.20		0.20	0.07		0.00	0.03		0.31	0.03
6879	1.25	3.73	2.79	1.41	0.30	1.03	1.31	2.53	2.19	0.57	3.12	3.29	0.87	1.05	1.37
		0.96	0.17		0.12	0.14		0.75	0.18		0.45	0.25		0.24	0.10
Grand Median		0.29			1.30			0.56			0.12			0.64	
Median Abs Dev		0.09			0.21			0.20			0.05			0.13	
Avg Within Lab SD		0.06			0.14			0.08			0.08			0.07	
Labs Included		15			15			15			13			15	
Labs Reporting		15			15			15			13			15	

B-DTPA/Sorbitol (177)

in the Micronutrients Property Groups

Data units: mg/kg

6276	0.26	0.11	1.11	1.32	0.00	0.33	0.30	0.72	0.74	0.16	0.26	0.33	0.40	0.64	1.03
		0.01	0.07		0.00	0.02		0.13	0.03		0.03	0.01		0.10	0.04

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6283	0.29	0.34 0.04	0.68 0.04	1.11	-1.03 -0.21	0.32 0.02	0.31	0.76 0.13	0.64 0.03	0.13	0.00 0.00	0.16 0.01	0.40	0.64 0.10	0.50 0.02
6305	0.18	-0.51 -0.06	0.01 0.00	1.34	0.10 0.02	0.06 0.00	0.07	-0.62 -0.11	0.28 0.01	0.08	-0.45 -0.05	0.18 0.01	0.23	-0.43 -0.07	0.10 0.00
6330	0.08	-1.34 -0.17	0.26 0.02	1.21	-0.53 -0.11	0.16 0.01	0.08	-0.55 -0.10	0.14 0.01	0.01	-1.06 -0.12	0.00 0.00	0.23	-0.43 -0.07	0.33 0.01
6343	0.14	-0.84 -0.11	0.17 0.01	0.85	-2.33 -0.47	0.40 0.03	0.10	-0.47 -0.08	0.37 0.02	0.03	-0.91 -0.11	0.16 0.01	0.20	-0.62 -0.10	0.44 0.02
6357	0.33	0.67 0.09	1.21 0.07	1.26	-0.28 -0.06	0.58 0.04	0.41	1.36 0.23	1.08 0.04	0.25	1.01 0.12	1.59 0.06	0.49	1.22 0.19	1.49 0.05
6361	0.23	-0.11 -0.01	0.98 0.06	1.51	0.98 0.20	2.00 0.13	0.26	0.45 0.08	2.38 0.10	0.33	1.71 0.20	1.63 0.06	0.43	0.83 0.13	2.27 0.08
6382				1.37	0.25 0.05	1.85 0.12							0.10	-1.28 -0.20	0.00 0.00
6664	0.43	1.48 0.19	1.95 0.12	1.43	0.58 0.12	0.92 0.06	0.10	-0.45 -0.08	0.00 0.00	0.13	0.00 0.00	1.63 0.06	0.30	0.00 0.00	0.00 0.00
Grand Median		0.25			1.32			0.18			0.13			0.30	
Median Abs Dev		0.07			0.11			0.10			0.08			0.10	
Avg Within Lab SD		0.06			0.06			0.04			0.04			0.03	
Labs Included		8			9			8			8			9	
Labs Reporting		8			9			8			8			9	

Soil Kjeldahl N (178)

in the Soil Organic Matter Property Groups

Data units: Percent

6278	0.12	0.21 0.01	0.44 0.00	0.073	0.06 0.001	0.19 0.001	0.22	0.30 0.01	0.29 0.00	0.051	0.00 0.000	0.93 0.003	0.20	0.22 0.01	0.14 0.00
6327	0.09	-0.70 -0.02	1.63 0.01	0.051	-1.16 -0.021	2.78 0.014	0.18	-0.97 -0.03	1.57 0.02	0.051	0.00 0.000	1.87 0.005	0.16	-0.99 -0.03	0.98 0.01
6330	0.12	0.35 0.01	2.51 0.02	0.093	1.20 0.021	1.11 0.006	0.21	-0.06 0.00	1.46 0.02	0.073	1.50 0.022	2.04 0.006	0.19	-0.20 -0.01	1.62 0.01
6334	0.14	0.98 0.02	0.36 0.00	0.085	0.76 0.013	0.42 0.002	0.23	0.80 0.03	1.42 0.01	0.070	1.28 0.019	0.57 0.002	0.21	0.63 0.02	2.23 0.02
6343	0.17	2.40 0.06	0.29 0.00	0.095	1.29 0.023	0.19 0.001	0.30	2.87 0.09	0.19 0.00	0.077	1.75 0.026	0.35 0.001	0.32	3.96 0.12	0.43 0.00
6357	0.10	-0.37 -0.01	0.15 0.00	0.063	-0.49 -0.009	0.49 0.003	0.20	-0.36 -0.01	0.22 0.00	0.044	-0.49 -0.007	0.82 0.002	0.18	-0.32 -0.01	0.28 0.00
6407	0.13	0.76 0.02	0.72 0.00	0.077	0.31 0.005	0.67 0.003	0.22	0.30 0.01	1.79 0.02	0.064	0.87 0.013	0.26 0.001	0.20	0.19 0.01	1.06 0.01
6802	0.10	-0.37 -0.01		0.057	-0.84 -0.015		0.21	-0.02 0.00		0.051	0.00 0.000		0.19	-0.16 -0.01	
6854	0.10	-0.41 -0.01		0.071	-0.06 -0.001		0.18	-1.04 -0.03		0.043	-0.54 -0.008		0.19	0.03 0.00	

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6879	0.11	-0.21 -0.01	0.29 0.00	0.062	-0.58 -0.010	0.29 0.002	0.21	0.02 0.00	0.11 0.00	0.046	-0.31 -0.005	0.54 0.002	0.19	-0.03 0.00	0.24 0.00
Grand Median		0.11			0.072			0.21			0.051			0.19	
Median Abs Dev		0.01			0.012			0.01			0.008			0.01	
Avg Within Lab SD		0.01			0.005			0.01			0.003			0.01	
Labs Included		10			10			10			10			10	
Labs Reporting		10			10			10			10			10	

Soil TN (combustion) (179)			in the Soil Organic Matter Property Groups						Data units: Percent						
6276	0.12	0.29 0.01	1.81 0.01	0.077	0.22 0.005	0.77 0.005	0.23	0.34 0.02	1.48 0.01	0.038	-0.06 -0.003	1.21 0.010	0.21	0.25 0.01	2.43 0.02
6283	0.11	0.11 0.00	1.62 0.01	0.074	0.10 0.002	0.59 0.004	0.18	-0.36 -0.02	0.74 0.00	0.052	0.20 0.010	0.51 0.004	0.17	-0.65 -0.02	1.04 0.01
6305	0.13	0.76 0.02		0.079	0.30 0.006	0.26 0.002	0.06	-2.26 -0.14	0.89 0.00	0.185	2.80 0.144	0.83 0.007	0.11	-2.46 -0.09	0.09 0.00
6306	0.11	-0.11 0.00	0.07 0.00	0.070	-0.10 -0.002	0.17 0.001	0.23	0.38 0.02	0.06 0.00	0.045	0.06 0.003	0.10 0.001	0.21	0.30 0.01	0.31 0.00
6334	0.15	2.15 0.04	1.04 0.01	0.113	1.90 0.041	2.58 0.015	0.26	0.82 0.05	1.43 0.01	0.090	0.94 0.049	2.20 0.017	0.24	1.13 0.04	0.00 0.00
6361	0.10	-0.42 -0.01	0.00 0.00	0.069	-0.15 -0.003	0.00 0.000	0.17	-0.52 -0.03	0.00 0.00	0.017	-0.47 -0.024	0.00 0.000	0.20	0.01 0.00	0.00 0.00
6664	0.10	-0.47 -0.01	0.94 0.01	0.052	-0.94 -0.020	0.51 0.003	0.23	0.38 0.02	1.41 0.01	0.028	-0.27 -0.014	0.85 0.007	0.20	-0.01 0.00	0.86 0.01
6802	0.09	-1.10 -0.02	0.36 0.00	0.036	-1.69 -0.037	0.26 0.002	0.18	-0.34 -0.02	0.65 0.00	0.011	-0.59 -0.030	0.13 0.001	0.18	-0.60 -0.02	0.39 0.00
Grand Median		0.11			0.072			0.21			0.041			0.20	
Median Abs Dev		0.01			0.006			0.02			0.019			0.02	
Avg Within Lab SD		0.01			0.006			0.00			0.008			0.01	
Labs Included		8			8			8			8			8	
Labs Reporting		8			8			8			8			8	

Soil TOC (Combustion) (180)		in the Soil Organic Matter Property Groups				Data units: Percent			
6276	1.04		1.18		2.85		1.03		2.26

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD			Difference W/L STD		
Grand Median	1.04			1.18			2.85			1.03			2.26		
Median Abs Dev										0.04			0.04		
Avg Within Lab SD															
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		

SOM - Walkley-Black (181) in the Soil Organic Matter Property Groups															
															Data units: Percent
6278	1.76	0.50	0.78	1.25	0.90	1.33	4.61	0.79	0.39	1.88	0.74	0.48	3.49	0.46	0.67
		0.10	0.10		0.24	0.11		0.84	0.10		0.23	0.08		0.21	0.09
6283	1.62	-0.22	0.50	1.05	0.15	0.38	3.96	0.18	0.56	1.71	0.19	0.30	3.50	0.48	0.41
		-0.04	0.07		0.04	0.03		0.19	0.15		0.06	0.05		0.22	0.05
6288	1.23	-2.15	0.44	1.20	0.72	0.00	4.70	0.87	0.00	1.83	0.58	0.36	3.60	0.70	0.00
		-0.43	0.06		0.19	0.00		0.93	0.00		0.18	0.06		0.32	0.00
6289	1.67	0.02	1.15	1.47	1.72	2.60	2.60	-1.10	1.38	2.27	2.01	1.59	3.43	0.34	2.00
		0.00	0.15		0.46	0.21		-1.17	0.36		0.61	0.25		0.16	0.25
6327	1.70	0.18	2.04	1.08	0.27	0.87	3.77	0.00	0.50	1.60	-0.18	1.66	3.16	-0.26	1.35
		0.04	0.27		0.07	0.07		0.00	0.13		-0.06	0.26		-0.12	0.17
6330	1.36	-1.52	0.15	0.97	-0.12	0.07	2.92	-0.80	0.02	1.41	-0.80	0.19	2.97	-0.66	0.68
		-0.30	0.02		-0.03	0.01		-0.85	0.01		-0.25	0.03		-0.30	0.09
6357	1.66	0.00	0.31	0.97	-0.14	0.69	3.86	0.09	1.33	1.75	0.30	0.92	3.33	0.12	0.12
		0.00	0.04		-0.04	0.06		0.09	0.35		0.09	0.15		0.06	0.02
6382	1.55	-0.58	0.57	0.99	-0.07	0.81	3.91	0.13	0.20	1.51	-0.46	0.68	3.28	0.00	0.40
		-0.12	0.08		-0.02	0.07		0.14	0.05		-0.14	0.11		0.00	0.05
6401	1.73	0.35	1.90	0.77	-0.90	0.72	2.73	-0.97	0.58	1.70	0.15	2.27	3.10	-0.38	2.10
		0.07	0.25		-0.24	0.06		-1.04	0.15		0.05	0.36		-0.18	0.26
6407	1.79	0.62	0.44	1.01	0.00	1.31	3.43	-0.32	2.84	1.44	-0.71	0.33	2.76	-1.13	0.60
		0.12	0.06		0.00	0.11		-0.34	0.74		-0.22	0.05		-0.52	0.08
6779	1.43	-1.18	1.47	0.22	-2.92	0.31	0.70	-2.88	0.38	1.19	-1.53	0.63	2.09	-2.57	0.79
		-0.24	0.20		-0.78	0.03		-3.07	0.10		-0.47	0.10		-1.19	0.10
6854	1.71	0.23	0.21	1.15	0.52	0.09	4.28	0.48	0.11	1.66	0.00	0.31	3.60	0.69	0.06
		0.05	0.03		0.14	0.01		0.51	0.03		0.00	0.05		0.32	0.01
6879	1.42	-1.22	0.13	0.92	-0.34	0.29	3.61	-0.15	0.04	1.31	-1.12	0.44	2.82	-0.98	0.74
		-0.24	0.02		-0.09	0.02		-0.16	0.01		-0.34	0.07		-0.45	0.09
Grand Median	1.66			1.01			3.77			1.66			3.28		
Median Abs Dev	0.10			0.09			0.51			0.18			0.22		
Avg Within Lab SD	0.13			0.08			0.26			0.16			0.13		
Labs Included	13			13			13			13			13		
Labs Reporting	13			13			13			13			13		

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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) (182) in the Soil Organic Matter Property Groups															
	Data units: Percent														
6304	1.87	-0.07	1.07	1.47	-0.23	1.67	4.80	0.00	1.66	1.63	-0.14	2.22	3.67	-0.23	1.01
		-0.04	0.12		-0.09	0.15		0.00	0.30		-0.03	0.15		-0.12	0.12
6305	1.73	-0.32	0.20	2.20	1.58	0.52	4.09	-1.18	0.45	1.03	-2.72	0.29	3.40	-0.72	0.57
		-0.17	0.02		0.64	0.05		-0.71	0.08		-0.64	0.02		-0.39	0.06
6306	1.57	-0.63	1.23	1.28	-0.69	1.26	4.27	-0.88	0.68	1.47	-0.83	0.19	3.51	-0.51	1.47
		-0.33	0.13		-0.28	0.11		-0.53	0.12		-0.20	0.01		-0.28	0.17
6322	2.08	0.34	0.09	1.89	0.81	0.11	5.06	0.43	0.06	1.69	0.10	0.00	4.05	0.48	0.09
		0.18	0.01		0.33	0.01		0.26	0.01		0.02	0.00		0.26	0.01
6327	2.11	0.39	0.95	1.85	0.72	2.41	5.40	1.01	2.42	1.94	1.14	2.11	4.39	1.11	2.74
		0.20	0.10		0.29	0.22		0.60	0.44		0.27	0.15		0.60	0.31
6330	1.47	-0.84	0.54	1.30	-0.64	1.09	3.83	-1.62	1.15	1.63	-0.14	0.84	2.87	-1.69	1.01
		-0.44	0.06		-0.26	0.10		-0.97	0.21		-0.03	0.06		-0.92	0.12
6333	2.23	0.63	2.14	2.03	1.16	1.26	5.43	1.06	0.32	1.87	0.85	0.84	4.23	0.81	0.51
		0.33	0.23		0.47	0.12		0.63	0.06		0.20	0.06		0.44	0.06
6334	1.90	-0.01	0.56	1.75	0.46	0.22	4.82	0.03	0.22	1.80	0.57	1.15	4.10	0.56	0.18
		0.00	0.06		0.19	0.02		0.02	0.04		0.13	0.08		0.31	0.02
6336	2.10	0.38	1.30	1.72	0.39	1.00	4.88	0.14	0.70	1.81	0.62	1.17	3.96	0.31	1.09
		0.20	0.14		0.16	0.09		0.08	0.13		0.15	0.08		0.17	0.13
6338	2.03	0.25	0.39	1.56	0.00	0.66	4.80	-0.01	0.50	1.58	-0.38	0.95	3.76	-0.05	0.48
		0.13	0.04		0.00	0.06		0.00	0.09		-0.09	0.07		-0.03	0.06
6353	2.15	0.47	0.74	1.40	-0.40	1.66	4.41	-0.65	0.61	1.55	-0.48	1.24	3.65	-0.25	0.74
		0.25	0.08		-0.16	0.15		-0.39	0.11		-0.11	0.09		-0.14	0.09
6357	1.40	-0.97	0.55	1.30	-0.65	0.06	3.97	-1.39	1.09	1.34	-1.36	0.92	3.40	-0.71	0.39
		-0.50	0.06		-0.26	0.01		-0.83	0.20		-0.32	0.06		-0.39	0.05
6361	1.80	-0.20	0.00	1.43	-0.31	0.63	4.63	-0.28	0.32	1.60	-0.28	0.00	3.77	-0.04	1.34
		-0.10	0.00		-0.13	0.06		-0.17	0.06		-0.07	0.00		-0.02	0.15
6383	6.97	9.72	2.47	2.99	3.50	0.71	3.99	-1.36	0.11	1.26	-1.72	0.58	1.34	-4.50	0.53
		5.07	0.27		1.43	0.07		-0.81	0.02		-0.41	0.04		-2.45	0.06
6388	1.94	0.07	0.65	1.58	0.05	0.44	4.73	-0.11	0.37	1.78	0.49	0.73	4.05	0.47	0.60
		0.04	0.07		0.02	0.04		-0.07	0.07		0.12	0.05		0.26	0.07
6396	1.90	-0.01	0.00	1.50	-0.15		4.77	-0.06	0.64	1.60	-0.28	0.00	3.60	-0.35	0.00
		0.00	0.00		-0.06			-0.03	0.12		-0.07	0.00		-0.19	0.00
6408	2.00	0.19		2.00	1.08		5.67	1.45	3.20	2.00	1.41		4.00	0.39	
		0.10			0.44			0.87	0.58		0.33			0.21	
6626	1.95	0.09	0.25	1.75	0.46	0.19	5.13	0.56	0.28	1.72	0.21	0.30	3.97	0.32	0.35
		0.05	0.03		0.19	0.02		0.33	0.05		0.05	0.02		0.18	0.04
6649	1.66	-0.47	0.33	1.53	-0.08	1.13	4.84	0.07	1.30	1.45	-0.90	0.56	3.62	-0.31	0.89
		-0.24	0.04		-0.03	0.10		0.04	0.23		-0.21	0.04		-0.17	0.10
6664	1.70	-0.38	0.21	1.36	-0.49	0.68	4.53	-0.46	0.22	1.49	-0.75	0.76	3.70	-0.16	0.51
		-0.20	0.02		-0.20	0.06		-0.27	0.04		-0.18	0.05		-0.09	0.06
6718	1.90	0.00	0.54	1.49	-0.16	0.28	4.85	0.08	0.56	1.71	0.20	1.17	3.89	0.19	0.43
		0.00	0.06		-0.07	0.03		0.05	0.10		0.05	0.08		0.10	0.05

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	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6787	2.60	1.33	0.35	2.57	2.47	0.22	6.43	2.73	0.11	2.00	1.41	0.52	5.04	2.29	0.23
6791	2.02	0.69	0.04	1.82	1.01	0.02	5.28	1.63	0.02	1.75	0.33	0.04	4.22	1.25	0.03
6802	2.10	0.22	1.37	1.43	0.64	1.72	4.90	0.81	1.22	1.83	0.35	1.02	4.10	0.79	1.20
6810	1.98	0.12	0.15	1.61	0.26	0.16	4.81	0.48	0.22	1.69	0.08	0.07	3.88	0.43	0.14
6816	1.57	0.38	2.46	1.21	-0.31	0.63	3.76	0.17	0.55	1.36	0.71	0.84	3.11	0.57	0.88
6833	1.85	0.20	0.26	1.35	-0.13	0.06	4.44	0.10	0.10	1.65	0.17	0.06	3.64	0.31	0.10
6838	1.90	0.15	0.26	1.36	0.13	0.17	4.47	0.01	0.12	1.67	0.10	0.44	3.79	0.17	0.33
6854	1.73	0.08	0.03	1.63	0.05	0.02	4.87	0.01	0.02	1.67	0.02	0.03	3.83	0.09	0.04
		-0.64			-0.86			-1.74			-1.30			-1.25	
		-0.33			-0.35			-1.04			-0.31			-0.68	
		-0.10	0.27		-0.51	0.44		-0.60	0.45		-0.08	0.55		-0.27	0.65
		-0.05	0.03		-0.21	0.04		-0.36	0.08		-0.02	0.04		-0.15	0.07
		0.00	1.09		-0.49	1.82		-0.56	0.38		0.01	1.89		0.00	2.76
		0.00	0.12		-0.20	0.17		-0.33	0.07		0.00	0.13		0.00	0.32
		-0.33	1.07		0.18	1.26		0.11	0.85		0.00	1.68		0.08	0.51
		-0.17	0.12		0.07	0.12		0.07	0.15		0.00	0.12		0.04	0.06
Grand Median		1.90			1.56			4.80			1.67			3.79	
Median Abs Dev		0.17			0.20			0.33			0.12			0.21	
Avg Within Lab SD		0.11			0.09			0.18			0.07			0.11	
Labs Included		29			29			29			29			29	
Labs Reporting		29			29			29			29			29	

CaCO3 Content (183)

Data units: Percent

6283				3.60	-0.07	0.15									
					-0.07	0.04									
6327	1.31	1.09	2.21	5.03	1.51	1.78	2.05	1.52	2.14	0.92	1.95	2.35	1.72	1.39	0.27
		0.71	0.50		1.36	0.51		1.39	0.46		0.64	0.42		0.94	0.26
6330	0.16	-0.67	0.19	1.64	-2.26	0.16	0.32	-0.38	0.55	0.02	-0.81	0.06	0.28	-0.73	0.04
		-0.44	0.04		-2.03	0.05		-0.34	0.12		-0.27	0.01		-0.50	0.04
6334	1.44	1.30	0.29	4.11	0.49	0.82	2.07	1.54	0.34	0.65	1.14	0.16	0.80	0.03	0.04
		0.84	0.07		0.44	0.24		1.40	0.07		0.37	0.03		0.02	0.04
6361				3.47	-0.22	0.72				0.25	-0.10	1.19	0.30	-0.70	
					-0.20	0.21					-0.03	0.21		-0.47	
6401	0.60	0.00	0.00	4.53	0.97	0.20	1.17	0.55	0.27	0.07	-0.66	0.09	1.10	0.48	0.00
		0.00	0.00		0.87	0.06		0.50	0.06		-0.22	0.02		0.33	0.00
6407	0.40	-0.31	0.04	3.72	0.06	1.61	0.56	-0.12	0.12	0.29	0.04	0.06	0.62	-0.23	0.02
		-0.20	0.01		0.05	0.47		-0.11	0.03		0.01	0.01		-0.15	0.02
6810				3.23	-0.49	0.97	0.10	-0.62	0.40	0.27	-0.04	1.01	1.99	1.80	2.79
					-0.44	0.28		-0.57	0.09		-0.01	0.18		1.22	2.60
6879				3.67	0.00	1.00	0.67	0.00	1.33	0.50	0.67		0.75	-0.03	0.38
					0.00	0.29		0.00	0.29		0.22			-0.02	0.35

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	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	0.60			3.67			0.67			0.28			0.77		
Median Abs Dev	0.44			0.44			0.50			0.22			0.40		
Avg Within Lab SD	0.22			0.29			0.22			0.18			0.93		
Labs Included	5			9			7			8			8		
Labs Reporting	5			9			7			8			8		

CEC - Cation Displacement (184)

Data units: cmol/kg

6278	10.03	0.32	0.09	17.3	1.50	0.14	25.5	0.81	0.14	3.93	-0.01	0.13	18.2	0.90	0.17
		0.76	0.06		3.0	0.1		4.2	0.2		-0.02	0.06		2.3	0.2
6327	9.08	-0.08	0.10	14.8	0.24	1.65	22.2	0.18	2.85	2.89	-0.76	0.30	17.4	0.60	3.17
		-0.19	0.07		0.5	1.2		0.9	4.1		-1.06	0.13		1.5	2.8
6330	9.47	0.08	0.52	13.4	-0.44	1.74	26.1	0.94	0.07	3.97	0.01	0.73	16.8	0.35	0.13
		0.19	0.35		-0.9	1.2		4.8	0.1		0.02	0.32		0.9	0.1
6334	2.13	-3.02	0.16	11.0	-1.61	1.00	3.1	-3.54	0.02	3.31	-0.46	0.07	13.1	-1.09	0.28
		-7.14	0.11		-3.2	0.7		-18.2	0.0		-0.64	0.03		-2.8	0.2
6343	6.88	-1.01	0.04	12.5	-0.89	0.12	19.6	-0.34	0.02	1.80	-1.54	0.10	13.0	-1.10	0.07
		-2.39	0.03		-1.8	0.1		-1.7	0.0		-2.15	0.05		-2.8	0.1
6357	8.33	-0.40	0.34	14.0	-0.14	0.63	21.3	0.00	0.79	4.15	0.14	1.14	15.6	-0.12	0.28
		-0.95	0.23		-0.3	0.5		0.0	1.2		0.20	0.50		-0.3	0.3
6409				17.0	1.35	1.39	20.3	-0.19	0.40				17.0	0.44	
					2.7	1.0		-1.0	0.6					1.1	
6664	10.33	0.45	3.05	14.8	0.27	0.08	23.7	0.46	1.38	6.83	2.06	2.46	12.3	-1.38	0.36
		1.06	2.05		0.6	0.1		2.4	2.0		2.88	1.08		-3.5	0.3
6779	10.43	0.49	0.48	15.7	0.68	0.78	25.2	0.75	0.38	4.66	0.51	0.74	17.9	0.79	0.63
		1.16	0.32		1.4	0.6		3.9	0.6		0.71	0.32		2.0	0.6
6854	8.51	-0.32		14.3	0.00		20.8	-0.10		3.59	-0.26		14.2	-0.64	
		-0.76			0.0			-0.5			-0.36			-1.6	
6879	10.61	0.56	0.09	13.7	-0.29	1.13	20.7	-0.12	0.14	5.35	1.00	1.20	15.9	0.00	0.42
		1.33	0.06		-0.6	0.8		-0.6	0.2		1.40	0.53		0.0	0.4
Grand Median	9.27			14.3			21.3			3.95			15.9		
Median Abs Dev	1.00			0.9			1.7			0.67			1.6		
Avg Within Lab SD	0.67			0.7			1.5			0.44			0.9		
Labs Included	10			11			11			10			11		
Labs Reporting	10			11			11			10			11		

CEC - Estimation (185)

Data units: cmol/kg

6327	5.09	0.72	0.51	33.1	0.37	0.47	19.6	1.07	1.79	0.98	-0.03	0.41	15.8	-0.19	1.93
		0.49	0.18		1.0	0.4		1.3	2.5		-0.01	0.02		-0.1	2.0

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6361	4.87	0.40	1.06	31.2	-0.37	1.76	18.7	0.28	0.89	1.30	0.82	1.96	16.0	0.19	0.45
6382	4.33	0.27	0.38	33.3	-1.0	1.3	18.0	0.3	1.2	1.00	0.31	0.10	16.0	0.1	0.5
6626	3.80	-0.40	1.62	28.2	0.45	0.77	17.1	-0.28		0.30	0.03		14.5	0.19	
		-0.27	0.58		1.2	0.6		-0.3			0.01			0.1	
		-1.19	0.00		-1.50	0.27		-1.07	0.11		-1.81	0.00		-2.14	0.28
		-0.80	0.00		-4.0	0.2		-1.3	0.2		-0.69	0.00		-1.4	0.3
Grand Median		4.60			32.2			18.3			0.99			15.9	
Median Abs Dev		0.38			1.1			0.8			0.16			0.1	
Avg Within Lab SD		0.36			0.7			1.4			0.05			1.0	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	

Soil Density (Scoop) (186)

Data units: g/cc

6327	1,020.2			1,312.7			1,149.1			1,292.4			1,183.8		
Grand Median	1,020.2			1,312.7			1,149.1			1,292.4			1,183.8		
Median Abs Dev															
Avg Within Lab SD										1.3			1.6		
Labs Included	1			1			1			1			1		
Labs Reporting	1			1			1			1			1		

Sand 2000 - 50 um (187)

in the Particle Size Analysis Property Groups

Data units: Percent

6276	21.3	-0.43	0.93	53.3	-0.97	1.86	28.3	-0.45	2.66	57.9	-0.39	0.69	23.8	0.00	1.35
		-2.9	1.3		-4.0	1.4		-2.7	3.8		-2.1	0.7		0.0	1.3
6306	26.0	0.27	2.69	59.0	0.40		34.7	0.62	1.06	60.7	0.13	2.74	25.7	0.30	1.24
		1.8	3.6		1.7			3.7	1.5		0.7	2.9		1.9	1.2
6327	25.3	0.17	0.43	61.0	0.89		33.7	0.45	0.40	62.0	0.38	0.95	26.0	0.35	1.08
		1.2	0.6		3.7			2.7	0.6		2.0	1.0		2.3	1.0
6330	31.7	1.11	0.17	57.7	0.10	0.30	31.7	0.12	0.16	62.4	0.45	1.32	23.7	0.00	0.25
		7.6	0.2		0.4	0.2		0.7	0.2		2.4	1.4		0.0	0.2
6361	35.0	1.58		62.0	1.13		42.0	1.86		66.0	1.13		37.0	2.07	
		10.8			4.7			11.0			6.0			13.3	
6401	25.7	0.22	1.55	58.3	0.24	0.75	31.0	0.00	1.21	59.3	-0.13	0.55	26.0	0.35	1.87
		1.5	2.1		1.0	0.6		0.0	1.7		-0.7	0.6		2.3	1.7
6407	28.0	0.56	1.54	62.6	1.27	1.23	37.7	1.13	0.66	65.9	1.10	0.52	31.6	1.22	0.22
		3.8	2.1		5.3	1.0		6.7	1.0		5.9	0.6		7.8	0.2
6409	18.3	-0.86	0.43	57.3	0.00	0.75	30.7	-0.06	0.40	60.0	0.00		20.3	-0.53	0.62
		-5.9	0.6		0.0	0.6		-0.3	0.6		0.0			-3.4	0.6

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6516	22.0	-0.32 -2.2		54.7	-0.64 -2.7	1.49 1.2	27.3	-0.62 -3.7	0.80 1.2	58.7	-0.25 -1.3	0.55 0.6	18.7	-0.79 -5.1	0.62 0.6
6626	10.9	-1.95 -13.3	0.17 0.2	52.8	-1.09 -4.5	0.90 0.7	28.7	-0.40 -2.3	0.80 1.2	54.3	-1.06 -5.7	0.55 0.6	20.9	-0.44 -2.8	0.33 0.3
6649	17.7	-0.95 -6.5	0.43 0.6	54.0	-0.80 -3.3	1.29 1.0	24.3	-1.13 -6.7	0.40 0.6	55.7	-0.81 -4.3	0.55 0.6	17.7	-0.95 -6.1	0.62 0.6
6664	21.0	-0.47 -3.2		57.0	-0.08 -0.3		31.0	0.00 0.0		61.0	0.19 1.0		21.0	-0.43 -2.7	
6779	20.0	-0.61 -4.2	0.19 0.2	57.3	0.00 0.0	1.38 1.1	32.5	0.26 1.5	0.78 1.1	57.0	-0.57 -3.1	0.97 1.0	22.2	-0.24 -1.5	0.83 0.8
6791	28.5	0.63 4.3	0.62 0.8	57.4	0.02 0.1	0.52 0.4	37.5	1.11 6.5	1.40 2.0	67.3	1.37 7.3	0.22 0.2	31.3	1.17 7.5	1.79 1.7
6810	24.2	0.00 0.0	1.02 1.4	47.0	-2.49 -10.3	1.39 1.1	19.7	-1.91 -11.3	0.72 1.0	48.5	-2.17 -11.5	1.37 1.4	15.5	-1.28 -8.2	1.31 1.2
Grand Median		24.2			57.3			31.0			60.0			23.7	
Median Abs Dev		3.8			2.7			2.7			2.4			2.8	
Avg Within Lab SD		1.3			0.8			1.4			1.1			0.9	
Labs Included		15			15			15			15			15	
Labs Reporting		15			15			15			15			15	

Silt 50 - 2 um (188) in the Particle Size Analysis Property Groups															
Data units: Percent															
6276	71.3	1.82 11.9	1.89 3.3	30.4	2.07 11.4	1.59 1.9	52.5	2.22 13.8	1.20 2.5	34.6	1.67 7.0	0.56 0.7	62.9	1.43 9.9	1.92 2.6
6306	59.3	0.00 0.0	2.71 4.7	18.7	-0.06 -0.3	1.74 2.1	38.0	-0.11 -0.7	1.92 4.0	27.0	-0.14 -0.6	2.06 2.6	49.7	-0.48 -3.3	1.86 2.5
6327	59.3	0.00 0.0	0.66 1.2	14.0	-0.91 -5.0		33.0	-0.91 -5.7	0.48 1.0	25.3	-0.54 -2.3	1.62 2.1	47.0	-0.86 -6.0	
6330	55.7	-0.55 -3.6	0.26 0.5	19.7	0.13 0.7	0.39 0.5	39.7	0.17 1.1	0.22 0.5	27.1	-0.12 -0.5	1.26 1.6	52.4	-0.09 -0.6	0.51 0.7
6361	53.0	-0.97 -6.3		18.0	-0.18 -1.0		38.7	0.00 0.0	2.77 5.8	26.0	-0.38 -1.6		41.0	-1.73 -12.0	
6401	62.0	0.41 2.7	0.99 1.7	19.0	0.00 0.0		38.0	-0.11 -0.7	0.48 1.0	31.7	0.97 4.1	0.45 0.6	53.3	0.05 0.3	1.13 1.5
6407	59.8	0.08 0.5	1.02 1.8	16.6	-0.44 -2.4	0.41 0.5	36.4	-0.37 -2.3	0.61 1.3	24.9	-0.63 -2.7	0.74 1.0	46.0	-1.01 -7.0	0.84 1.1
6409	68.0	1.32 8.7		19.7	0.12 0.7	0.48 0.6	40.0	0.21 1.3		29.0	0.34 1.4		53.7	0.10 0.7	0.43 0.6
6516	59.0	-0.05 -0.3		17.7	-0.24 -1.3	1.27 1.5	36.0	-0.43 -2.7	0.48 1.0	25.0	-0.62 -2.6	0.78 1.0	49.0	-0.58 -4.0	1.28 1.7
6626	73.4	2.15 14.1	0.23 0.4	24.2	0.94 5.2	0.60 0.7	44.0	0.85 5.3	0.58 1.2	32.3	1.12 4.7	0.86 1.1	55.7	0.39 2.7	0.47 0.6

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6649	65.0	0.86	0.57	20.0	0.18	0.83	43.0	0.69	0.48	32.3	1.13	0.45	55.3	0.34	0.43
		5.7	1.0		1.0	1.0		4.3	1.0		4.8	0.6		2.3	0.6
6664	58.0	-0.20		18.0	-0.18		38.0	-0.11		28.0	0.10		53.0	0.00	
		-1.3			-1.0			-0.7			0.4			0.0	
6779	62.0	0.40	0.38	17.8	-0.21	0.48	43.0	0.70	0.26	27.6	0.00	0.38	53.4	0.06	0.21
		2.7	0.7		-1.2	0.6		4.4	0.5		0.0	0.5		0.4	0.3
6791	57.3	-0.31	0.66	38.9	3.62	2.12	31.3	-1.18	0.44	23.9	-0.89	1.09	42.0	-1.58	1.53
		-2.0	1.2		19.9	2.5		-7.3	0.9		-3.7	1.4		-11.0	2.1
6810	52.8	-1.00	0.77	23.5	0.81	1.22	51.5	2.06	0.54	33.8	1.48	1.61	62.9	1.42	0.99
		-6.6	1.3		4.5	1.5		12.9	1.1		6.2	2.1		9.9	1.3
Grand Median		59.3			19.0			38.7			27.6			53.0	
Median Abs Dev		2.7			1.2			2.7			2.6			3.3	
Avg Within Lab SD		1.7			1.2			2.1			1.3			1.4	
Labs Included		15			15			15			15			15	
Labs Reporting		15			15			15			15			15	

Clay 2 - 0 um (189)

in the Particle Size Analysis Property Groups

Data units: Percent

6276	7.5	-1.62	2.64	16.3	-1.29	1.16	19.2	-2.07	2.28	7.5	-0.99		13.3	-2.61	1.15
		-7.2	2.2		-6.8	1.3		-9.5	2.9		-3.5			-11.0	1.4
6306	14.7	0.00	1.41	22.3	-0.13	1.94	27.3	-0.30	1.99	12.3	0.38	0.84	24.7	0.07	1.22
		0.0	1.2		-0.7	2.1		-1.4	2.5		1.3	0.6		0.3	1.5
6327	15.3	0.15	0.70	25.0	0.38		33.3	1.00	0.46	12.7	0.47	1.67	27.0	0.62	0.80
		0.7	0.6		2.0			4.6	0.6		1.7	1.2		2.6	1.0
6330	12.5	-0.48	0.28	22.5	-0.09	0.22	28.5	-0.04	0.18	10.5	-0.13	0.33	23.9	-0.12	0.73
		-2.1	0.2		-0.5	0.2		-0.2	0.2		-0.5	0.2		-0.5	0.9
6361	12.0	-0.60		20.0	-0.57		26.0	-0.59		8.0	-0.85		22.0	-0.56	
		-2.7			-3.0			-2.7			-3.0			-2.4	
6401	12.3	-0.53	0.70	22.7	-0.06	0.54	31.0	0.50	0.79	9.0	-0.57		20.7	-0.87	0.46
		-2.3	0.6		-0.3	0.6		2.3	1.0		-2.0			-3.7	0.6
6407	12.2	-0.57	0.35	20.8	-0.41	0.54	26.0	-0.59	0.39	9.2	-0.50	0.67	22.5	-0.45	0.74
		-2.5	0.3		-2.2	0.6		-2.7	0.5		-1.8	0.5		-1.9	0.9
6409	14.0	-0.15		23.3	0.06	0.54	29.7	0.21	0.46	11.0	0.00		26.3	0.47	0.46
		-0.7			0.3	0.6		1.0	0.6		0.0			2.0	0.6
6516	19.0	0.98		27.7	0.89	0.54	36.7	1.72	0.46	16.3	1.51	1.67	32.3	1.88	0.92
		4.3			4.7	0.6		8.0	0.6		5.3	1.2		8.0	1.2
6626	15.7	0.24	0.56	23.0	0.00	0.19	27.3	-0.30	0.48	13.4	0.68	0.77	23.3	-0.24	0.33
		1.1	0.5		0.0	0.2		-1.4	0.6		2.4	0.5		-1.0	0.4
6649	17.3	0.60	1.41	26.0	0.57	0.93	32.7	0.86	0.46	12.0	0.28		27.0	0.62	0.80
		2.7	1.2		3.0	1.0		4.0	0.6		1.0			2.6	1.0
6664	21.0	1.43		25.0	0.38		31.0	0.50		11.0	0.00		26.0	0.39	
		6.3			2.0			2.3			0.0			1.6	

ALP Program - Participant Web Summary Report - Cycle 08



	SRS0901			SRS0902			SRS0903			SRS0904			SRS0905		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6779	18.0	0.76 3.4	0.50 0.4	24.9	0.35 1.9	0.94 1.0	24.4	-0.93 -4.3	0.46 0.6	15.5	1.26 4.5	0.78 0.5	24.4	0.00 0.0	0.39 0.5
6791	14.2	-0.11 -0.5	0.49 0.4	3.7	-3.69 -19.3	2.40 2.6	31.1	0.52 2.4	0.97 1.2	8.9	-0.60 -2.1	1.77 1.2	26.7	0.56 2.4	2.74 3.4
6810	23.0	1.89 8.4	1.44 1.2	29.5	1.24 6.5	1.08 1.2	28.7	0.00 0.0	1.68 2.1	17.7	1.90 6.7	1.68 1.2	21.6	-0.65 -2.8	0.89 1.1
Grand Median		14.7		23.0			28.7			11.0			24.4		
Median Abs Dev		2.5		2.0			2.4			2.0			2.4		
Avg Within Lab SD		0.8		1.1			1.3			0.7			1.3		
Labs Included		15		15			15			15			15		
Labs Reporting		15		15			15			15			15		

Total Soil P (EPA-3050/3051/3052) (190)

Data units: mg/kg

6283	751.7			567.7			562.3			113.0			624.7		
6327	638.3			485.3			491.0			58.1			558.3		
Grand Median		695.0		526.5			526.7			85.6			591.5		
Median Abs Dev		56.7		41.2			35.7			27.5			33.2		
Avg Within Lab SD										9.7			35.6		
Labs Included		2		2			2			2			2		
Labs Reporting		2		2			2			2			2		

ALP Program - Participant Web Summary Report - Cycle 08



SRB0901

Sample Mean Z Score k Score
Difference W/L STD

SRB0902

Sample Mean Z Score k Score
Difference W/L STD

SRB0903

Sample Mean Z Score k Score
Difference W/L STD

Botanicals Properties

Dry Matter (%) (201)

Data units: Percent

	SRB0901	SRB0902	SRB0903
6276	95.5 1.11 0.41	89.7 0.00 0.29	93.7 1.05 0.24
6278	93.8 0.00 0.84	89.9 0.16 1.48	93.2 0.48 0.57
6304	92.3 0.0 0.2	91.8 0.3 0.5	90.8 0.5 0.1
6334	94.7 -0.95 0.44	89.5 1.27 0.24	92.5 -1.99 0.60
6335	94.4 -1.4 0.1	90.6 2.2 0.1	93.3 -1.9 0.1
6353	91.5 0.61 1.02	87.1 -0.09 1.18	92.5 -0.29 2.42
6406	93.6 0.9 0.2	87.7 -0.2 0.4	92.7 -0.3 0.3
Grand Median	93.8	89.7	92.7
Median Abs Dev	0.9	0.9	0.5
Avg Within Lab SD	0.2	0.3	0.1
Labs Included	7	7	7
Labs Reporting	7	7	7

NO3 - N Cd Rd. (202)

Data units: mg/kg

	SRB0901	SRB0902	SRB0903
6276	3,842.7 -0.09 0.46	1,211.6 0.73 2.87	634.1 -1.18 1.33
6283	3,723.3 -79.6 44.0	964.7 228.6 287.7	558.0 -485.9 108.0
6291	3,922.3 -0.23 0.27	1,090.0 -18.3 16.2	1,265.7 -562.0 87.2
6304	4,295.5 0.00 0.51	1,164.8 0.34 0.60	1,484.8 0.35 0.49
6330	3,945.3 0.42 0.06	983.0 107.0 59.8	1,108.3 145.7 39.5
6334	4,536.3 0.03 1.35	947.0 0.58 0.27	1,140.3 0.89 0.21
6335	6,873.7 373.2 5.3	1,880.3 181.8 27.4	482.0 364.8 17.0
6343	2,834.7 0.00 0.36	386.3 0.00 0.36	482.0 -0.03 1.02
	23.0 0.70 0.57	0.0 -0.11 0.77	-11.7 0.05 2.30
	128.5 614.0 53.9	35.7 -36.0 77.2	83.4 20.3 187.4
	2951.3 3.35 0.39	2.86 2.86 0.78	1.21 1.21 0.38
	37.0 -1.24 2.42	897.3 -1.90 0.46	497.3 -1.55 0.01
	229.7 -1,087.7	46.0 -596.7	1.0 -638.0

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L STD		Difference	W/L STD		Difference	W/L STD	
6620	3,693.0	-0.26	1.38	927.0	-0.18	0.86	962.0	-0.38	1.13
6802	3,273.3	-229.3	131.2	864.0	-56.0	86.0	1,120.0	-158.0	92.0
6854	4,246.3	-0.74	0.22	1,067.7	-0.38	0.05	1,287.3	0.00	0.12
		-649.0	20.8		-119.0	4.6		0.0	10.0
		0.37	0.56		0.27	0.18		0.41	0.11
		324.0	53.3		84.7	18.2		167.3	9.3
Grand Median		3,922.3		983.0			1,120.0		
Median Abs Dev		324.0		107.0			167.3		
Avg Within Lab SD		94.9		100.3			81.4		
Labs Included		11		11			11		
Labs Reporting		11		11			11		

NO3 - N ISE (203)

Data units: mg/kg

6278	4,120.0		1,160.0		1,340.0
6357	3,833.3		991.7		1,259.3
6626	4,696.7		1,583.3		1,253.3
Grand Median	4,120.0		1,160.0		1,259.3
Median Abs Dev	286.7		168.3		6.0
Avg Within Lab SD					
Labs Included	3		3		3
Labs Reporting	3		3		3

NO3 - N Oth. (204)

Data units: mg/kg

6406	4,006.0		1,026.7		1,100.7
Grand Median	4,006.0		1,026.7		1,100.7
Median Abs Dev					
Avg Within Lab SD					
Labs Included	1		1		1
Labs Reporting	1		1		1

PO4 - P (206)

Data units: mg/kg

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6278	629.0	0.00	0.42	3,091.7	0.53	0.42	1,778.3	0.06	0.14
6283	601.0	-0.33	0.20	2,920.7	-0.08	0.47	597.7	-2.06	0.99
6291	579.3	-28.0	5.6	2,729.7	-22.7	28.3	1,744.0	-1,149.0	76.4
6330	584.3	-0.59	0.33	2,843.3	-0.77	0.62	1,746.7	0.00	0.49
6334	780.3	-49.7	9.0	3,781.7	-213.7	37.7	2,450.3	-2.7	38.0
6343	617.0	-0.53	0.62	3,124.7	-0.36	1.07	1,848.7	0.00	0.95
6357	750.0	-44.7	17.2	3,100.0	-100.0	65.2	2,033.3	0.0	73.5
6620	705.0	1.80	0.98	2,916.7	3.02	1.61	931.7	1.26	0.96
6626	656.7	151.3	27.3	2,943.3	838.3	98.0	1,446.7	703.7	74.2
		-0.14	1.32		0.65	1.01		0.18	0.28
		-12.0	36.5		181.3	61.2		102.0	21.8
		1.44	1.80		0.56	1.64		0.51	0.75
		121.0	50.0		156.7	100.0		286.7	57.7
		0.90	1.47		-0.10	0.65		-1.46	2.30
		76.0	40.9		-26.7	39.6		-815.0	177.0
		0.33	0.42		0.00	0.58		-0.54	0.07
		27.7	11.5		0.0	35.1		-300.0	5.8
Grand Median	629.0			2,943.3			1,746.7		
Median Abs Dev	44.7			148.3			286.7		
Avg Within Lab SD	27.7			60.8			77.1		
Labs Included	9			9			9		
Labs Reporting	9			9			9		

SO4 - S (207)

Data units: mg/kg

6278	116.7			945.0			848.3		
6334	207.7			973.3			1,236.3		
Grand Median	162.2			959.2			1,042.3		
Median Abs Dev	45.5			14.2			194.0		
Avg Within Lab SD									
Labs Included	2			2			2		
Labs Reporting	2			2			2		

Cl (208)

Data units: Percent

6283	1.09	-0.24	0.23	0.36	-0.88	0.21	0.10	-1.12	0.87
		-0.04	0.01		-0.09	0.01		-0.11	0.01

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6304	1.02	-0.73	0.66	0.57	1.13	2.13	0.45	2.42	0.00
6330	1.28	-0.11	0.03	0.48	0.11	0.06	0.14	0.24	0.00
6334	1.26	1.05	1.27	0.48	0.31	1.13	0.14	-0.75	2.25
6335	1.23	0.16	0.06	0.56	0.03	0.03	0.28	-0.07	0.03
6343	1.09	0.91	1.60	0.46	1.03	1.06	0.25	0.72	0.87
6406	1.07	0.14	0.07	0.46	0.10	0.03	0.25	0.07	0.01
6620	1.16	0.71	0.23	0.43	0.11	0.21	0.14	0.34	1.15
6626	0.88	0.11	0.01	0.35	0.01	0.01	0.22	0.03	0.02
6854	1.21	-0.26	0.35	0.57	-0.11	0.53	0.21	0.37	
		-0.04	0.02		-0.01	0.01		0.04	
		-0.37	0.82		-0.75	0.21		-0.24	1.30
		-0.06	0.04		-0.08	0.01		-0.02	0.02
		0.24	1.21		-0.26	1.49		-0.72	0.43
		0.04	0.05		-0.03	0.04		-0.07	0.01
		-1.67	1.55		-0.98	0.43		0.03	0.43
		-0.25	0.07		-0.10	0.01		0.00	0.01
		0.58	0.81		1.18	0.50		-0.03	0.26
		0.09	0.04		0.12	0.01		0.00	0.00
Grand Median		1.13			0.45			0.21	
Median Abs Dev		0.10			0.08			0.05	
Avg Within Lab SD		0.04			0.03			0.01	
Labs Included		10			10			10	
Labs Reporting		10			10			10	

TKN (209)									
Data units: Percent									
6278	0.71	-0.01	0.29	1.14	0.08	0.37	3.09	0.02	0.49
6291	2.33	-0.01	0.02	2.20	0.03	0.01	0.98	0.02	0.03
6330	0.72	2.83	1.28	1.07	3.02	0.75	0.98	-2.82	0.90
6353	0.68	1.61	0.09	1.05	1.10	0.02	3.07	-2.10	0.05
6620	0.98	0.00	0.60	1.11	-0.11	1.99	3.07	0.00	1.54
		0.00	0.04		-0.04	0.06		0.00	0.09
		-0.08	0.16		-0.17	0.42		-0.51	0.41
		-0.04	0.01		-0.06	0.01		-0.38	0.02
		0.45	1.70		0.00	0.42		0.03	1.19
		0.26	0.12		0.00	0.01		0.02	0.07
Grand Median		0.72			1.11			3.07	
Median Abs Dev		0.04			0.04			0.02	
Avg Within Lab SD		0.07			0.03			0.06	
Labs Included		5			5			5	
Labs Reporting		5			5			5	

ALP Program - Participant Web Summary Report - Cycle 08



SRB0901

Sample Mean Z Score k Score
Difference W/L STD

SRB0902

Sample Mean Z Score k Score
Difference W/L STD

SRB0903

Sample Mean Z Score k Score
Difference W/L STD

N- Dry Comb. (210)

Data units: Percent

6276	0.83	-0.12	0.05	1.15	1.01	0.15	3.12	1.11	0.48
		-0.02	0.00		0.11	0.00		0.13	0.02
6283	0.88	0.25	1.35	1.03	-0.06	1.89	2.97	-0.20	1.00
		0.03	0.03		-0.01	0.05		-0.02	0.05
6304	0.59	-2.07	0.52	0.87	-1.46	1.50	2.84	-1.30	0.53
		-0.26	0.01		-0.17	0.04		-0.15	0.02
6334	0.97	0.94	2.03	1.16	1.09	0.85	3.12	1.13	1.11
		0.12	0.05		0.12	0.02		0.13	0.05
6335	0.92	0.54	1.12	1.21	1.47	0.52	3.13	1.15	0.57
		0.07	0.02		0.17	0.01		0.14	0.03
6343	0.74	-0.89	0.45	0.96	-0.67	0.29	3.06	0.62	2.49
		-0.11	0.01		-0.08	0.01		0.07	0.12
6357	0.87	0.19	0.37	1.10	0.53	0.02	3.06	0.63	0.57
		0.02	0.01		0.06	0.00		0.07	0.03
6406	0.86	0.12	1.82	1.05	0.06	1.55	3.00	0.11	0.82
		0.02	0.04		0.01	0.04		0.01	0.04
6626	0.87	0.15	0.69	1.05	0.06	0.24	2.98	-0.11	0.13
		0.02	0.02		0.01	0.01		-0.01	0.01
6802	0.68	-1.38	0.38	1.01	-0.31	1.37	2.96	-0.26	1.28
		-0.17	0.01		-0.04	0.03		-0.03	0.06
6854	0.72	-1.02	0.45	0.94	-0.85	0.47	2.88	-0.93	0.22
		-0.13	0.01		-0.10	0.01		-0.11	0.01
6881	0.80	-0.41	0.26	0.98	-0.53	0.71	2.93	-0.54	0.13
		-0.05	0.01		-0.06	0.02		-0.06	0.01
Grand Median		0.85			1.04			2.99	
Median Abs Dev		0.06			0.07			0.07	
Avg Within Lab SD		0.02			0.02			0.05	
Labs Included		12			12			12	
Labs Reporting		12			12			12	

S- Dry Comb. (211)

Data units: Percent

6406	0.030	0.11	0.24
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ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median		0.077			0.38			0.29	
Median Abs Dev		0.003			0.02			0.01	
Avg Within Lab SD		0.003			0.01			0.01	
Labs Included		16			16			16	
Labs Reporting		16			16			16	

K (213)	in the Wet Digestion Property Groups									Data units: Percent
6276	2.73	-1.55	0.33	2.27	-0.04	0.68	1.18	-0.08	0.69	
		-0.46	0.02		-0.01	0.04		-0.01	0.03	
6278	3.16	-0.07	0.51	2.47	0.82	0.81	1.22	0.17	0.82	
		-0.02	0.03		0.19	0.05		0.02	0.03	
6283	3.24	0.19	0.69	2.29	0.04	1.00	1.18	-0.09	0.54	
		0.06	0.04		0.01	0.06		-0.01	0.02	
6304	3.55	1.25	0.20	1.76	-2.21	0.60	1.05	-1.00	1.09	
		0.37	0.01		-0.52	0.04		-0.14	0.04	
6330	2.90	-0.95	0.88	2.18	-0.43	1.29	1.20	0.08	1.21	
		-0.28	0.06		-0.10	0.08		0.01	0.05	
6334	3.10	-0.29	0.69	2.10	-0.78	0.33	1.15	-0.33	2.35	
		-0.09	0.04		-0.18	0.02		-0.05	0.09	
6335	3.36	0.58	0.96	2.46	0.77	0.47	1.26	0.45	0.74	
		0.17	0.06		0.18	0.03		0.06	0.03	
6343	3.11	-0.25	1.62	2.26	-0.11	0.34	1.16	-0.23	0.71	
		-0.08	0.10		-0.02	0.02		-0.03	0.03	
6353	2.74	-1.51	0.16	2.58	1.29	0.83	1.87	4.82	0.77	
		-0.45	0.01		0.30	0.05		0.67	0.03	
6357	3.29	0.34	1.35	2.47	0.81	0.49	1.25	0.41	1.39	
		0.10	0.09		0.19	0.03		0.06	0.05	
6406	3.02	-0.57	0.66	2.08	-0.86	1.14	1.14	-0.37	0.71	
		-0.17	0.04		-0.20	0.07		-0.05	0.03	
6620	3.71	1.79	2.17	2.55	1.16	2.18	1.30	0.77	0.71	
		0.53	0.14		0.27	0.13		0.11	0.03	
6626	3.31	0.42	0.00	2.39	0.46	0.16	1.25	0.44	0.15	
		0.13	0.00		0.11	0.01		0.06	0.01	
6802	3.14	-0.14	1.48	2.17	-0.48	1.91	1.11	-0.59	1.01	
		-0.04	0.09		-0.11	0.12		-0.08	0.04	
6854	3.43	0.82	0.51	2.34	0.24	0.76	1.30	0.79	0.31	
		0.24	0.03		0.06	0.05		0.11	0.01	
6881	3.21	0.07	0.92	2.21	-0.31	0.44	1.17	-0.18	0.82	
		0.02	0.06		-0.07	0.03		-0.03	0.03	

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L STD		Difference	W/L STD		Difference	W/L STD	
Grand Median	3.19			2.28			1.19		
Median Abs Dev	0.15			0.15			0.06		
Avg Within Lab SD	0.06			0.06			0.04		
Labs Included	16			16			16		
Labs Reporting	16			16			16		

Ca (214)		in the Wet Digestion Property Groups								Data units: Percent
6276	0.11	-0.56	0.20	1.46	0.85	0.68	0.50	-0.30	0.99	
		-0.01	0.00		0.12	0.02		-0.01	0.01	
6278	0.11	-0.44	0.49	1.43	0.62	0.22	0.51	-0.12	0.42	
		-0.01	0.01		0.09	0.01		-0.01	0.01	
6283	0.12	0.00	0.52	1.31	-0.24	0.21	0.52	0.15	1.81	
		0.00	0.01		-0.03	0.01		0.01	0.03	
6304	0.11	-0.51	0.90	1.17	-1.21	1.55	0.48	-0.68	0.22	
		-0.01	0.01		-0.17	0.04		-0.03	0.00	
6330	0.15	1.14	2.88	1.39	0.38	1.61	0.57	1.33	1.72	
		0.03	0.03		0.05	0.05		0.06	0.03	
6334	0.14	0.76	0.52	1.30	-0.28	0.94	0.57	1.25	0.00	
		0.02	0.01		-0.04	0.03		0.06	0.00	
6335	0.12	-0.18	0.29	1.65	2.20	1.77	0.55	0.70	0.36	
		0.00	0.00		0.31	0.05		0.03	0.01	
6343	0.12	0.00	0.52	1.26	-0.54	0.54	0.49	-0.44	0.40	
		0.00	0.01		-0.08	0.02		-0.02	0.01	
6353	0.10	-0.89	0.00	1.24	-0.69	1.61	0.46	-1.25	0.40	
		-0.02	0.00		-0.10	0.05		-0.06	0.01	
6357	0.19	2.40	0.10	1.47	0.90	0.54	0.58	1.53	1.04	
		0.06	0.00		0.13	0.02		0.07	0.02	
6406	0.12	-0.13	0.00	1.29	-0.33	0.41	0.50	-0.37	0.40	
		0.00	0.00		-0.05	0.01		-0.02	0.01	
6620	0.13	0.33	0.31	1.44	0.71	0.62	0.54	0.59	2.37	
		0.01	0.00		0.10	0.02		0.03	0.03	
6626	0.14	0.51	0.52	1.49	1.09	0.41	0.56	1.03	0.00	
		0.01	0.01		0.15	0.01		0.05	0.00	
6802	0.16	1.25	2.02	1.33	-0.09	1.00	0.50	-0.37	0.28	
		0.03	0.02		-0.01	0.03		-0.02	0.00	
6854	0.10	-1.02	0.52	1.34	0.00	0.71	0.51	0.00	0.40	
		-0.03	0.01		0.00	0.02		0.00	0.01	

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD
Grand Median	0.12			1.34			0.51		
Median Abs Dev	0.01			0.09			0.03		
Avg Within Lab SD	0.01			0.03			0.01		
Labs Included	15			15			15		
Labs Reporting	15			15			15		

Mg (215) in the Wet Digestion Property Groups									
Data units: Percent									
6276	0.16	0.00	0.74	0.43	0.26	1.16	0.31	-0.26	1.14
		0.00	0.00		0.01	0.01		-0.01	0.01
6278	0.17	0.47	0.14	0.46	0.76	0.32	0.33	0.26	0.76
		0.01	0.00		0.03	0.00		0.01	0.01
6283	0.16	-0.29	1.38	0.40	-0.47	0.70	0.31	-0.35	1.39
		-0.01	0.01		-0.02	0.01		-0.01	0.01
6304	0.13	-2.02	1.10	0.32	-2.39	0.24	0.27	-1.64	0.84
		-0.04	0.00		-0.10	0.00		-0.05	0.01
6330	0.18	0.80	1.38	0.42	0.00	1.40	0.34	0.59	0.80
		0.01	0.01		0.00	0.01		0.02	0.01
6334	0.17	0.62	1.38	0.43	0.08	0.70	0.34	0.82	0.80
		0.01	0.01		0.00	0.01		0.02	0.01
6335	0.19	1.29	0.84	0.52	2.34	0.91	0.36	1.27	0.91
		0.02	0.00		0.10	0.01		0.04	0.01
6343	0.16	-0.11	0.00	0.42	0.00	0.70	0.31	-0.23	0.80
		0.00	0.00		0.00	0.01		-0.01	0.01
6353	0.15	-0.66	0.00	0.42	-0.16	0.70	0.28	-1.41	1.39
		-0.01	0.00		-0.01	0.01		-0.04	0.01
6357	0.18	1.14	0.63	0.46	0.87	0.51	0.33	0.39	0.69
		0.02	0.00		0.04	0.00		0.01	0.01
6406	0.15	-0.66	0.00	0.40	-0.62	0.70	0.30	-0.59	0.80
		-0.01	0.00		-0.03	0.01		-0.02	0.01
6620	0.18	0.98	2.39	0.46	0.86	1.22	0.34	0.70	1.39
		0.02	0.01		0.04	0.01		0.02	0.01
6626	0.17	0.44	0.00	0.44	0.31	0.70	0.33	0.35	0.00
		0.01	0.00		0.01	0.01		0.01	0.00
6802	0.15	-0.53	0.84	0.39	-0.76	2.01	0.28	-1.25	0.90
		-0.01	0.00		-0.03	0.02		-0.04	0.01
6854	0.16	-0.11	0.00	0.41	-0.23	1.40	0.32	0.00	1.39
		0.00	0.00		-0.01	0.01		0.00	0.01

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SRB0901

Sample Mean Z Score k Score
Difference W/L STD

SRB0902

Sample Mean Z Score k Score
Difference W/L STD

SRB0903

Sample Mean Z Score k Score
Difference W/L STD

	SRB0901	SRB0902	SRB0903
Grand Median	0.16	0.42	0.32
Median Abs Dev	0.01	0.02	0.02
Avg Within Lab SD	0.00	0.01	0.01
Labs Included	15	15	15
Labs Reporting	15	15	15

S (216)

in the Wet Digestion Property Groups

Data units: Percent

6276	0.020	-1.35	0.11	0.14	0.11	0.31	0.29	0.15	1.04
		-0.016	0.001		0.00	0.00		0.00	0.01
6278	0.023	-1.06	0.63	0.15	0.32	1.15	0.29	0.14	0.90
		-0.012	0.003		0.01	0.01		0.00	0.01
6283	0.030	-0.46	0.00	0.14	-0.11	1.15	0.26	-0.61	0.86
		-0.005	0.000		0.00	0.01		-0.02	0.01
6304	0.034	-0.11	0.66	0.12	-0.56	0.60	0.24	-1.29	0.26
		-0.001	0.004		-0.02	0.00		-0.04	0.00
6330	0.040	0.40	3.16	0.12	-0.59	1.99	0.26	-0.72	0.00
		0.005	0.017		-0.02	0.01		-0.02	0.00
6334	0.030	-0.46	0.00	0.12	-0.59	0.00	0.26	-0.61	0.86
		-0.005	0.000		-0.02	0.00		-0.02	0.01
6343	0.040	0.40	0.00	0.16	0.56	0.00	0.28	0.06	0.86
		0.005	0.000		0.02	0.00		0.00	0.01
6353	0.070	2.97	0.00	0.28	4.02	1.99	0.38	3.29	1.48
		0.035	0.000		0.14	0.01		0.10	0.01
6357	0.037	0.17	0.21	0.15	0.38	0.41	0.29	0.19	0.76
		0.002	0.001		0.01	0.00		0.01	0.01
6620	0.040	0.40	0.00	0.15	0.27	0.00	0.29	0.28	1.48
		0.005	0.000		0.01	0.00		0.01	0.01
6802	0.033	-0.20	0.00	0.13	-0.28	0.90	0.26	-0.68	0.82
		-0.002	0.000		-0.01	0.00		-0.02	0.01
6854	0.037	0.11	1.05	0.13	-0.30	0.00	0.28	-0.06	1.48
		0.001	0.006		-0.01	0.00		0.00	0.01

Grand Median	0.035	0.14	0.28
Median Abs Dev	0.005	0.01	0.01
Avg Within Lab SD	0.005	0.01	0.01
Labs Included	12	12	12
Labs Reporting	12	12	12

Na (217)

in the Wet Digestion Property Groups

Data units: Percent

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6276	0.005	-0.56	0.43	0.17	1.34	0.49	0.23	0.38	0.71
6278	0.006	-0.47	0.41	0.17	0.03	0.00	0.23	0.01	0.00
6283	0.003	-0.86	0.24	0.14	0.99	0.17	0.22	0.57	0.23
6304	0.004	-0.004	0.001	0.10	0.03	0.00	0.19	0.01	0.00
6330	0.020	-0.74	0.24	0.14	0.00	0.00	0.19	0.00	0.00
6334	0.010	-0.006	0.001	0.11	-1.38	0.22	0.21	-1.19	0.82
6335	0.019	1.17	0.00	0.19	-0.04	0.00	0.24	-0.03	0.01
6343	0.006	0.010	0.000	0.14	-0.13	1.67	0.21	-1.39	1.48
6353	0.013	0.00	0.000	0.14	0.00	0.01	0.19	-0.03	0.01
6357	0.011	0.00	0.000	0.16	-1.17	2.51	0.22	-0.31	1.71
6406	0.014	1.09	1.43	0.12	-0.03	0.02	0.20	-0.01	0.01
6620	0.004	0.009	0.004	0.15	2.14	0.89	0.23	0.74	0.26
6626	0.033	-0.51	0.47	0.16	0.05	0.01	0.24	0.02	0.00
6802	0.014	-0.004	0.001	0.15	0.00	0.00	0.21	-0.46	1.48
6854	0.010	0.39	2.36	0.14	-0.13	0.84	0.21	-1.54	0.85
		0.003	0.006	0.14	0.00	0.01	0.19	-0.03	0.01
		0.08	0.24	0.16	0.62	0.14	0.22	0.00	0.65
		0.001	0.001	0.16	0.02	0.00	0.22	0.00	0.00
		0.47	0.00	0.12	-0.76	0.60	0.20	-1.13	0.17
		0.004	0.000	0.12	-0.02	0.00	0.20	-0.02	0.00
		-0.66	0.62	0.15	0.39	1.45	0.23	0.62	1.71
		-0.006	0.002	0.15	0.01	0.01	0.23	0.01	0.01
		2.72	2.36	0.16	0.78	0.00	0.24	1.08	0.85
		0.023	0.006	0.16	0.02	0.00	0.24	0.02	0.01
		0.43	0.85	0.15	0.29	1.27	0.21	-0.25	1.26
		0.004	0.002	0.15	0.01	0.01	0.21	-0.01	0.01
		0.00	0.00	0.14	0.00	0.00	0.23	0.46	0.00
		0.000	0.000	0.14	0.00	0.00	0.23	0.01	0.00
Grand Median		0.010		0.14			0.22		
Median Abs Dev		0.004		0.02			0.01		
Avg Within Lab SD		0.002		0.01			0.01		
Labs Included		15		15			15		
Labs Reporting		15		15			15		

AI (218)

in the Wet Digestion Property Groups

Data units: mg/kg

6283	61.6	0.09	0.97	22.2	-0.03	1.35	69.5	-0.26	0.73
		1.4	5.0		-0.4	2.8		-5.8	1.9
6304	58.8	-0.09	0.05	28.5	0.42	0.19	84.7	0.43	0.26
		-1.4	0.2		5.9	0.4		9.4	0.7

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6330	96.0	2.20	1.92	51.0	2.01	1.47	99.3	1.09	1.97
6334	55.3	-0.30	1.80	16.0	-0.47	0.98	57.7	-0.80	0.81
6335	72.7	0.77	0.19	41.2	1.32	0.64	81.1	0.26	0.67
6406	71.3	12.5	1.0	23.0	18.6	1.3	88.3	5.8	1.7
6802	52.6	0.68	0.22	15.5	0.03	0.49	52.4	0.59	0.60
6854	47.3	11.1	1.2	14.0	0.4	1.0	55.3	13.0	1.5
		-0.47	0.12		-0.51	0.50		-1.04	0.39
		-7.7	0.6		-7.2	1.0		-22.9	1.0
		-0.79	0.22		-0.61	1.47		-0.91	1.37
		-12.9	1.2		-8.6	3.0		-20.0	3.5
Grand Median		60.2			22.6			75.3	
Median Abs Dev		9.4			6.9			15.3	
Avg Within Lab SD		5.1			2.0			2.6	
Labs Included		8			8			8	
Labs Reporting		8			8			8	

B (219)		in the Wet Digestion Property Groups								Data units: mg/kg
6278	3.53	0.29	1.11	37.3	0.12	0.50	6.33	0.42	0.40	
6283	2.10	0.85	0.50	32.4	0.8	0.6	4.13	1.15	0.23	
6304	5.55	-0.20	0.44	36.7	-0.64	0.50	5.68	-0.38	0.43	
6330	14.67	0.96	0.52	48.3	0.02	0.29	17.00	0.18	0.60	
6334	3.00	2.86	0.24	33.3	0.2	0.3	6.33	0.49	0.35	
6335	3.73	4.02	2.55	40.2	1.83	2.06	6.10	4.34	1.72	
6343	2.37	11.98	1.15	37.0	11.8	2.5	4.23	11.82	1.00	
6353	2.00	0.11		21.0	-0.50	0.47	4.67	0.42	0.99	
6357	1.73	0.32	0.34	36.4	-3.2	0.6	4.69	1.15	0.58	
6406	1.67	0.35	0.15	30.5	0.56	0.82	4.01	0.34	0.17	
6620	4.90	1.05	0.55	40.8	3.6	1.0	7.00	0.92	0.10	
		-0.11	0.25		0.06	0.68		-0.35	0.61	
		-0.32	0.25		0.4	0.8		-0.95	0.35	
		-0.23			-2.42	0.82		-0.19	0.99	
		-0.68			-15.6	1.0		-0.51	0.58	
		-0.32	0.38		-0.02	0.08		-0.18	0.09	
		-0.96	0.17		-0.2	0.1		-0.49	0.05	
		-0.34	0.22		-0.94	0.57		-0.43	0.17	
		-1.01	0.10		-6.1	0.7		-1.17	0.10	
		0.74	1.35		0.66	1.58		0.67	1.32	
		2.22	0.61		4.2	1.9		1.82	0.77	

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	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6626	5.67	1.00	1.27	40.3	0.59	0.47	7.67	0.91	0.99
6802	2.03	-0.22	1.33	32.3	-0.67	1.84	4.67	-0.19	1.49
6854	1.00	-0.65	0.60	34.0	-4.3	2.3	4.00	-0.51	0.86
		-0.56			-0.40	0.82		-0.43	1.72
		-1.68			-2.6	1.0		-1.18	1.00
Grand Median		2.68			36.6			5.18	
Median Abs Dev		0.98			3.7			1.10	
Avg Within Lab SD		0.45			1.2			0.58	
Labs Included		14			14			14	
Labs Reporting		14			14			14	

Zn (220) in the Wet Digestion Property Groups									
Data units: mg/kg									
6276	4.93	-2.73	0.29	50.5	0.65	0.52	29.1	0.05	1.08
6278	8.50	-4.60	0.27	48.5	3.1	0.7	28.9	0.1	0.9
6283	8.53	-0.61		49.3	0.25	0.60	30.2	0.00	1.24
6304	7.49	-1.03	0.27	36.2	1.2	0.8	24.9	0.0	1.1
6330	10.33	-0.59	0.25	45.7	0.42	0.51	30.0	0.49	1.02
6334	12.00	-1.00	0.25	44.0	2.0	0.7	30.0	1.3	0.9
6335	9.53	-1.21	0.31	59.6	-2.32	0.16	35.2	-1.53	0.17
6343	9.97	-2.05	0.29	46.8	-11.2	0.2	28.7	-4.0	0.1
6353	10.00	0.47	0.61	47.3	-0.35	2.33	28.0	0.41	3.13
6357	8.42	0.80	0.58	48.3	-1.7	3.2	27.9	1.1	2.6
6406	9.67	1.46	3.17	46.0	-0.69	1.45	28.0	0.41	
6620	10.50	2.47	3.00	53.0	-3.3	2.0	33.0	1.1	
6626	9.33	0.00	0.22	45.3	2.54	0.18	26.3	2.40	0.49
6802	10.80	0.00	0.21	44.9	12.2	0.3	27.1	6.3	0.4
		0.26	0.44	47.3	-0.11	1.45		-0.10	0.71
		0.43	0.42	48.3	-0.5	2.0		-0.3	0.6
		0.28		46.0	0.00	0.42		-0.35	
		0.47	0.40	53.0	0.0	0.6		-0.9	
		-0.66	0.40	45.3	0.21	0.70		-0.39	0.12
		-1.11	0.38	44.9	1.0	1.0		-1.0	0.1
		0.08	0.61	47.3	-0.28	0.72		-0.35	
		0.13	0.58	44.9	1.0	1.0			
		0.57	0.42	44.9	-1.3	1.0		-0.9	
		0.97	0.40	44.9	1.17	1.37		1.53	0.25
		-0.12	0.61	44.9	5.6	1.9		4.0	0.2
		-0.20	0.58	44.9	-0.42	0.42		-0.99	0.68
		0.75	1.38	44.9	-2.0	0.6		-2.6	0.6
		1.27	1.31	44.9	-0.51	0.69		-0.71	0.30
				44.9	-2.4	1.0		-1.9	0.3

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	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6854	9.00	-0.32 -0.53	1.06 1.00	48.3	0.21 1.0	0.84 1.2	30.0	0.41 1.1	
Grand Median		9.53		47.3			28.9		
Median Abs Dev		0.97		2.0			1.1		
Avg Within Lab SD		0.95		1.4			0.8		
Labs Included		15		15			15		
Labs Reporting		15		15			15		

Mn (221)		in the Wet Digestion Property Groups								Data units: mg/kg
6276	9.35	0.21 0.35	0.17 0.10	124.4	0.81 10.4	1.09 3.1	170.4	0.46 6.1	1.14 3.8	
6278	9.60	0.37 0.60	0.00 0.00	126.0	0.93 12.0	0.62 1.7	165.6	0.10 1.3	0.34 1.1	
6283	8.13	-0.53 -0.87	0.72 0.40	111.7	-0.18 -2.3	0.99 2.8	155.8	-0.65 -8.6	0.71 2.4	
6304	7.34	-1.02 -1.67	0.64 0.36	98.3	-1.21 -15.7	0.16 0.5	133.5	-2.32 -30.8	0.17 0.6	
6330	9.00	0.00 0.62	3.08 1.73	114.0	0.00 0.0	1.62 4.6	164.3	0.00 0.0	0.87 2.9	
6334	10.00	1.00 -0.80		110.3	-3.7 2.43	1.5 1.20	165.3	1.0 0.14	5.1 0.70	
6335	7.70	-1.30 -0.41	0.10 0.82	145.3	31.3 -0.21	3.4 0.59	166.2	1.9 -0.51	2.3 1.25	
6343	8.33	-0.67 -0.62	0.46	111.3	-2.7 1.50	1.7 1.02	157.6	-6.8 -0.23	4.2 0.69	
6353	8.00	-1.00 -2.25	1.76	133.3	19.3 0.39	2.9 0.61	161.3	-3.0 0.05	2.3 1.04	
6357	5.34	-3.66 0.62	0.99	119.0	5.0 -0.05	1.7 0.74	165.0	0.7 -0.35	3.5 0.46	
6406	10.00	1.00 1.42		113.3	-0.7 1.21	2.1 2.13	159.7	-4.7 1.23	1.5 2.21	
6620	11.30	2.30 0.62	0.30	129.7	15.7 -0.34	6.0 0.20	180.7	16.3 -2.19	7.4 0.17	
6626	10.00	1.00 0.64		109.7	-4.3 -0.32	0.6 0.80	135.3	-29.0 -1.16	0.6 0.14	
6802	10.03	1.03 0.00	0.40	109.9	-4.1 0.26	2.3 0.74	148.9	-15.4 0.65	0.5 1.08	
6854	9.00	0.00 0.00		117.3	3.3 2.1		173.0	8.7 3.6		

ALP Program - Participant Web Summary Report - Cycle 08



	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L	STD	Difference	W/L	STD	Difference	W/L	STD
Grand Median	9.00			114.0			164.3		
Median Abs Dev	1.00			4.3			6.1		
Avg Within Lab SD	0.56			2.8			3.3		
Labs Included	15			15			15		
Labs Reporting	15			15			15		

Fe (222) in the Wet Digestion Property Groups									
Data units: mg/kg									
6276	74.0	-0.21	1.06	31.3	-0.46	0.39	148.8	0.00	0.64
		-4.3	9.1		-6.6	0.9		0.0	3.9
6278	101.3	1.14	0.27	44.3	0.45	0.27	166.0	0.80	0.28
		23.0	2.3		6.4	0.6		17.2	1.7
6283	80.4	0.11	0.42	43.0	0.36	0.61	152.0	0.15	0.73
		2.1	3.7		5.1	1.3		3.2	4.5
6304	82.5	0.21	0.05	59.5	1.51	0.15	162.9	0.65	0.10
		4.2	0.4		21.6	0.3		14.1	0.6
6330	126.0	2.36	2.11	67.0	2.04	1.66	175.7	1.25	1.53
		47.7	18.2		29.1	3.6		26.9	9.5
6334	84.0	0.28	2.72	67.0	2.04	0.46	136.3	-0.58	2.48
		5.7	23.4		29.1	1.0		-12.5	15.3
6335	76.7	-0.08	0.23	29.5	-0.59	0.12	160.4	0.54	0.41
		-1.6	1.9		-8.4	0.3		11.6	2.6
6343	83.0	0.23	0.40	40.3	0.17	1.06	151.3	0.12	0.41
		4.7	3.5		2.4	2.3		2.5	2.5
6353	55.3	-1.14	0.13	38.7	0.05	0.53	127.3	-1.00	0.41
		-23.0	1.2		0.8	1.2		-21.5	2.5
6357	78.3	0.00	0.88	37.9	0.00	0.57	141.7	-0.33	0.89
		0.0	7.6		0.0	1.2		-7.1	5.5
6406	67.0	-0.56		32.3	-0.39	0.70	145.3	-0.16	0.57
		-11.3			-5.6	1.5		-3.5	3.5
6620	86.0	0.38	0.83	36.3	-0.11	2.96	158.7	0.46	1.70
		7.7	7.1		-1.6	6.4		9.9	10.5
6626	37.3	-2.03	0.27	27.3	-0.74	0.27	99.3	-2.29	0.73
		-41.0	2.3		-10.6	0.6		-49.5	4.5
6802	70.6	-0.38	0.06	33.1	-0.34	0.21	130.2	-0.86	0.10
		-7.7	0.5		-4.8	0.5		-18.6	0.6
6854	58.0	-1.01	0.12	25.7	-0.86	0.53	128.7	-0.93	0.65
		-20.3	1.0		-12.2	1.2		-20.1	4.0

ALP Program - Participant Web Summary Report - Cycle 08



SRB0901

Sample Mean Z Score k Score
Difference W/L STD

SRB0902

Sample Mean Z Score k Score
Difference W/L STD

SRB0903

Sample Mean Z Score k Score
Difference W/L STD

Grand Median	78.3	37.9	148.8
Median Abs Dev	7.7	6.4	12.5
Avg Within Lab SD	8.6	2.2	6.2
Labs Included	15	15	15
Labs Reporting	15	15	15

Cu (223)

in the Wet Digestion Property Groups

Data units: mg/kg

Sample ID	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6276	3.11	-0.08	0.22	23.3	1.17	0.52	9.22	0.49	0.46
		-0.09	0.08		3.0	0.5		0.62	0.27
6278	3.73	0.52	1.52	22.3	0.75	0.13	8.60	0.00	0.00
		0.53	0.55		1.9	0.1		0.00	0.00
6283	3.37	0.16	1.05	18.4	-0.74	0.33	8.53	-0.05	0.78
		0.17	0.38		-1.9	0.3		-0.07	0.45
6304	2.36	-0.81	0.36	15.5	-1.90	0.30	8.43	-0.14	0.65
		-0.84	0.13		-4.9	0.3		-0.17	0.37
6330	5.67	2.38	1.59	21.3	0.39	2.73	8.67	0.05	2.01
		2.47	0.58		1.0	2.5		0.07	1.15
6334	3.67	0.45	1.59	20.0	-0.13		9.67	0.84	2.66
		0.47	0.58		-0.3			1.07	1.53
6335	5.07	1.80	0.42	25.5	2.00	0.25	10.47	1.47	0.36
		1.87	0.15		5.1	0.2		1.87	0.21
6343	3.00	-0.19	0.73	19.6	-0.29	0.33	8.37	-0.18	0.10
		-0.20	0.26		-0.7	0.3		-0.23	0.06
6353	2.00	-1.16		21.7	0.52	1.25	6.33	-1.79	1.00
		-1.20			1.3	1.2		-2.27	0.58
6357	3.49	0.28	0.45	23.1	1.09	0.66	9.55	0.75	0.23
		0.29	0.16		2.8	0.6		0.95	0.13
6406	2.33	-0.84	1.59	19.7	-0.26	0.63	7.00	-1.26	
		-0.87	0.58		-0.7	0.6		-1.60	
6620	3.43	0.22	0.50	22.1	0.67	1.93	9.86	0.99	0.59
		0.23	0.18		1.7	1.8		1.26	0.34
6626	2.80	-0.39	0.13	20.3	-0.03	0.27	6.18	-1.91	0.06
		-0.40	0.05		-0.1	0.3		-2.42	0.03
6802	3.20	0.00	0.28	19.8	-0.19	0.51	8.43	-0.13	0.27
		0.00	0.10		-0.5	0.5		-0.17	0.15
6854	2.33	-0.84	1.59	20.3	0.00	0.63	8.67	0.05	1.00
		-0.87	0.58		0.0	0.6		0.07	0.58



ALP Program - Participant Web Summary Report - Cycle 08

	SRB0901			SRB0902			SRB0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
Grand Median		3.20			20.3			8.60	
Median Abs Dev		0.47			1.3			0.62	
Avg Within Lab SD		0.36			0.9			0.57	
Labs Included		15			15			15	
Labs Reporting		15			15			15	

Mo (224)		in the Wet Digestion Property Groups			Data units: mg/kg
6304	0.44		0.32		0.37
6330	1.97		0.10		0.50
6802	0.57		0.47		0.10
Grand Median		0.57		0.32	
Median Abs Dev		0.12		0.15	
Avg Within Lab SD					
Labs Included		3		3	
Labs Reporting		3		3	

Sr (243)					Data units: mg/kg
6406	2.64		110.0		15.5
Grand Median		2.64		110.0	
Median Abs Dev					
Avg Within Lab SD					
Labs Included		1		1	
Labs Reporting		1		1	

ALP Program - Participant Web Summary Report - Cycle 08



SRW0901

Sample Mean Z Score k Score
Difference W/L STD

SRW0902

Sample Mean Z Score k Score
Difference W/L STD

SRW0903

Sample Mean Z Score k Score
Difference W/L STD

Water Properties

PH (301)

Data units: Unit

6278	7.25	-0.56		7.45	-0.24	0.00	8.20	0.00	0.00
		-0.05			-0.06	0.00		0.00	0.00
6304	7.19	-1.28	0.10	7.66	0.64	0.14	8.23	0.25	0.80
		-0.11	0.01		0.15	0.02		0.03	0.04
6306	7.30	0.04	0.27	7.42	-0.36	0.27	8.29	0.64	1.17
		0.00	0.03		-0.08	0.03		0.09	0.05
6327	7.44	1.72	1.58	7.51	0.00	0.85	8.52	2.38	0.82
		0.14	0.15		0.00	0.09		0.32	0.04
6330	7.30	0.04	2.06	7.47	-0.17	2.37	8.17	-0.25	1.31
		0.00	0.20		-0.04	0.25		-0.03	0.06
6335	7.35	0.68	0.26	7.11	-1.68	0.24	8.06	-1.04	0.79
		0.06	0.03		-0.39	0.03		-0.14	0.03
6620	7.15	-1.72	1.03	7.61	0.46	1.56	8.11	-0.69	1.89
		-0.14	0.10		0.11	0.17		-0.09	0.08
6626	7.30	0.00	0.21	7.68	0.74	0.28	8.19	-0.07	0.60
		0.00	0.02		0.17	0.03		-0.01	0.03
6802	7.29	-0.04	0.06	7.92	1.78	0.05	8.30	0.74	0.23
		0.00	0.01		0.42	0.01		0.10	0.01
Grand Median		7.30		7.51			8.20		
Median Abs Dev		0.05		0.11			0.09		
Avg Within Lab SD		0.10		0.11			0.04		
Labs Included		9		9			9		
Labs Reporting		9		9			9		

EC (302)

Data units: dS/m

6278	3.58	0.17	0.07	0.10	-0.05	0.00	19.4	0.00	0.05
		0.04	0.01		0.00	0.00		0.0	0.0
6304	3.00	-2.59	0.31	0.03	-2.10	0.72	1.7	-4.63	0.03
		-0.54	0.02		-0.07	0.00		-17.7	0.0
6306	3.60	0.25	0.51	0.11	0.46	0.28	18.5	-0.25	0.36
		0.05	0.04		0.02	0.00		-0.9	0.2
6327	3.70	0.73	2.61	0.10	0.22	1.53	20.0	0.15	2.37
		0.15	0.20		0.01	0.01		0.6	1.0
6330	3.50	-0.21	0.07	0.09	-0.10	1.42	19.5	0.03	0.14
		-0.04	0.01		0.00	0.01		0.1	0.1
6335	3.47	-0.35	0.20	0.10	0.00	1.42	19.2	-0.06	0.49
		-0.07	0.02		0.00	0.01		-0.2	0.2

ALP Program - Participant Web Summary Report - Cycle 08



	SRW0901			SRW0902			SRW0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6620	3.31	-1.14	1.31	0.10	0.20	1.42	18.3	-0.29	1.66
6626	3.68	-0.24	0.10	0.11	0.01	0.01	21.9	-1.1	0.7
6802	3.55	0.62	0.15	0.01	0.38	0.14	19.5	0.64	0.14
		0.13	0.01		0.01	0.00		2.5	0.1
		0.00	0.20		-2.57	0.00		0.02	0.47
		0.00	0.02		-0.09	0.00		0.1	0.2
Grand Median		3.55			0.10			19.4	
Median Abs Dev		0.07			0.01			0.6	
Avg Within Lab SD		0.08			0.00			0.4	
Labs Included		9			9			9	
Labs Reporting		9			9			9	

Ca (303)			in the Cations Property Groups						Data units: mmolc/L		
6278	2.78	0.06	0.04	0.51	0.42	0.16	0.62	0.67	0.10		
6304	0.19	0.05	0.01	0.29	0.04	0.01	0.26	0.08	0.01		
6306	2.73	-3.21	0.02	0.49	-1.97	0.35	0.57	-2.33	0.06		
6327	2.76	-2.54	0.00	0.44	-0.18	0.01	0.54	-0.28	0.00		
6330	3.05	0.00	0.90	0.52	0.29	0.40	0.52	0.27	0.73		
6335	2.45	0.04	0.11	0.46	0.03	0.01	0.50	0.03	0.05		
6620	2.97	0.03	2.18	0.47	-0.26	0.18	0.56	0.00	0.08		
6626	2.70	0.40	0.27	0.47	-0.02	0.01	0.57	0.00	0.01		
6802	1.41	0.32	0.93	0.24	0.55	0.48	0.31	-0.11	2.13		
		0.32	0.12		0.05	0.02		-0.01	0.16		
		-0.35	0.17		-0.07	0.32		-0.28	0.08		
		-0.27	0.02		-0.01	0.01		-0.03	0.01		
		0.31	1.59		0.07	2.86		0.22	1.95		
		0.24	0.20		0.01	0.09		0.03	0.15		
		-0.04	0.00		0.00	0.37		0.31	0.28		
		-0.03	0.00		0.00	0.01		0.04	0.02		
		-1.67	0.12		-2.45	0.18		-1.87	0.20		
		-1.32	0.02		-0.22	0.01		-0.22	0.02		
Grand Median		2.73			0.47			0.54			
Median Abs Dev		0.24			0.03			0.03			
Avg Within Lab SD		0.13			0.03			0.07			
Labs Included		9			9			9			
Labs Reporting		9			9			9			

Mg (304)			in the Cations Property Groups						Data units: mmolc/L		
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ALP Program - Participant Web Summary Report - Cycle 08



	SRW0901			SRW0902			SRW0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6278	0.87	0.27 0.07	0.20 0.01	0.13	-0.36 -0.02	0.29 0.01	0.27	0.51 0.03	0.15 0.00
6304	0.11	-2.63 -0.69	0.15 0.01	0.08	-1.43 -0.07	0.09 0.00	0.13	-1.46 -0.10	0.07 0.00
6306	0.75	-0.18 -0.05	0.43 0.02	0.15	0.01 0.00	0.47 0.01	0.23	0.00 0.00	0.26 0.01
6327	0.86	0.23 0.06	1.69 0.07	0.16	0.27 0.01	0.98 0.02	0.24	0.09 0.01	0.00 0.00
6330	0.96	0.59 0.16	1.29 0.06	0.15	0.00 0.00	0.65 0.01	0.25	0.19 0.01	2.58 0.08
6335	0.71	-0.33 -0.09	0.36 0.02	0.03	-2.44 -0.12	0.33 0.01	0.12	-1.71 -0.12	0.18 0.01
6620	0.92	0.44 0.12	2.02 0.09	0.16	0.34 0.02	2.68 0.05	0.25	0.19 0.01	1.44 0.05
6626	0.80	0.00 0.00	0.00 0.00	0.15	0.07 0.00	0.00 0.00	0.21	-0.30 -0.02	0.37 0.01
6802	0.43	-1.40 -0.37	0.23 0.01	0.09	-1.15 -0.06	0.00 0.00	0.12	-1.61 -0.11	0.18 0.01
Grand Median		0.80			0.15			0.23	
Median Abs Dev		0.09			0.02			0.02	
Avg Within Lab SD		0.04			0.02			0.03	
Labs Included		9			9			9	
Labs Reporting		9			9			9	

Na (305) in the Cations Property Groups Data units: mmolc/L

6278	33.0	0.00 0.0	0.23 0.3	0.45	0.37 0.05	0.21 0.01	213.6	0.28 11.0	0.07 0.7
6304	26.1	-3.04 -6.9	0.04 0.1	0.38	-0.11 -0.02	0.26 0.01	23.6	-4.62 -179.0	0.03 0.3
6306	30.8	-0.95 -2.1	0.11 0.2	0.37	-0.16 -0.02	0.17 0.01	200.5	-0.06 -2.2	0.46 4.4
6327	33.5	0.26 0.6	2.07 2.8	0.39	0.00 0.00	0.45 0.03	203.0	0.01 0.4	0.83 8.0
6330	31.8	-0.53 -1.2	1.68 2.3	0.78	2.59 0.38	1.71 0.10	202.6	0.00 0.0	2.42 23.3
6335	33.1	0.06 0.1	0.32 0.4	0.16	-1.56 -0.23	0.45 0.03	199.4	-0.08 -3.2	0.27 2.6
6620	35.4	1.09 2.5	1.17 1.6	0.44	0.34 0.05	0.54 0.03	202.7	0.00 0.0	1.34 12.9
6626	33.1	0.06 0.1	0.13 0.2	0.39	-0.02 0.00	0.77 0.04	207.8	0.13 5.2	0.63 6.1

ALP Program - Participant Web Summary Report - Cycle 08



	SRW0901			SRW0902			SRW0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6802	32.8	-0.07 -0.2	0.58 0.8	0.53	0.92 0.14	2.16 0.12	168.2	-0.89 -34.4	0.07 0.7
Grand Median		33.0			0.39			202.6	
Median Abs Dev		0.6			0.05			3.2	
Avg Within Lab SD		1.4			0.06			9.7	
Labs Included		9			9			9	
Labs Reporting		9			9			9	

K (306)				in the Cations Property Groups						Data units: mmolc/L
6278	0.072	-0.19 -0.015	0.00 0.000	0.013	-0.04 -0.002	0.00 0.000	0.050	-0.02 -0.011	0.00 0.001	
6304	0.071	-0.20 -0.016	0.17 0.004	0.035	0.38 0.020	0.07 0.001	0.059	0.00 -0.002	0.00 0.003	
6306	0.088	0.02 0.001	0.09 0.002				0.061	0.00 0.000	0.00 0.002	
6327	0.087	0.00 0.000	0.46 0.012	0.013	-0.03 -0.002	0.74 0.006	0.083	0.05 0.023	0.03 0.015	
6330	0.393	3.89 0.307	2.59 0.064	0.200	3.47 0.185	2.21 0.017	2.280	4.55 2.219	2.65 1.494	
6335	0.057	-0.38 -0.030	0.23 0.006	0.010	-0.09 -0.005	0.00 0.000	0.037	-0.05 -0.024	0.01 0.006	
6802	0.090	0.04 0.003	0.00 0.000	0.017	0.03 0.002	0.74 0.006	0.083	0.05 0.023	0.01 0.006	
Grand Median		0.087			0.015			0.061		
Median Abs Dev		0.015			0.004			0.023		
Avg Within Lab SD		0.025			0.008			0.565		
Labs Included		7			6			7		
Labs Reporting		7			6			7		

NH4-N (307)				in the Cations Property Groups						Data units: mmolc/L
6278	0.013	-0.09 -0.011	0.00 0.000							
6306	0.028	0.03 0.004	0.08 0.001	0.048						
6327	0.347	2.54 0.323	2.00 0.028	0.082			0.059			
6802	0.020	-0.03 -0.004	0.00 0.000	0.010			0.010			

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SRW0901

SRW0902

SRW0903

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
	Difference	W/L STD		Difference	W/L STD		Difference	W/L STD	
Grand Median	0.024			0.048			0.035		
Median Abs Dev	0.008			0.035			0.025		
Avg Within Lab SD	0.014			0.017			0.014		
Labs Included	4			3			2		
Labs Reporting	4			3			2		

Sum Cations (308)			in the Cations Property Groups						Data units: mmolc/L			
6278	36.7	0.36	0.19	1.10	0.23	0.22	214.5	0.89	0.07			
		0.4	0.3		0.07	0.02		11.9	0.7			
6306	34.4	-1.52	0.04	1.03	0.02	0.39	201.3	-0.10	0.45			
		-1.9	0.1		0.01	0.03		-1.4	4.5			
6327	37.2	0.81	1.88	1.02	-0.02	0.59	204.0	0.10	0.80			
		1.0	3.1		-0.01	0.05		1.4	8.0			
6330	36.2	-0.07	1.46	1.64	2.06	1.65	205.7	0.23	2.25			
		-0.1	2.4		0.61	0.13		3.1	22.5			
6335	36.3	0.07	0.25	0.66	-1.23	0.45	200.1	-0.19	0.26			
		0.1	0.4		-0.37	0.03		-2.5	2.6			
6802	34.7	-1.22	0.49	0.88	-0.48	1.58	168.7	-2.53	0.07			
		-1.5	0.8		-0.14	0.12		-33.9	0.7			
Grand Median	36.2			1.03			202.6					
Median Abs Dev	0.7			0.11			2.8					
Avg Within Lab SD	1.7			0.08			10.0					
Labs Included	6			6			6					
Labs Reporting	6			6			6					

SAR (309)			in the Cations Property Groups						Data units:			
6278	24.4	-0.16	0.22	0.80	0.27	0.29	321.0	-0.12	0.08			
		-0.3	0.2		0.09	0.02		-2.8	1.7			
6306	23.3	-0.77	0.58	0.65	-0.17	0.12	316.3	-0.33	0.35			
		-1.4	0.5		-0.06	0.01		-7.6	8.1			
6327	25.0	0.16	1.31	0.72	0.03	0.55	326.7	0.12	0.56			
		0.3	1.2		0.01	0.04		2.8	13.0			
6330	22.4	-1.28	1.33	1.46	2.36	1.60	286.3	-1.64	2.34			
		-2.2	1.2		0.75	0.10		-37.6	54.1			
6335	27.3	1.48	1.45	0.33	-1.19	0.78	358.2	1.50	0.21			
		2.6	1.3		-0.38	0.05		34.4	4.9			
6626	25.0	0.20	0.13	0.70	-0.03	1.56	331.4	0.33	0.13			
		0.3	0.1		-0.01	0.10		7.5	3.1			

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SRW0901

Sample Mean	Z Score	k Score
Difference	W/L STD	

SRW0902

Sample Mean	Z Score	k Score
Difference	W/L STD	

SRW0903

Sample Mean	Z Score	k Score
Difference	W/L STD	

Grand Median	24.7	0.71	323.8
Median Abs Dev	0.9	0.07	7.5
Avg Within Lab SD	0.9	0.06	23.1
Labs Included	6	6	6
Labs Reporting	6	6	6

Adj-SAR (310)

in the Cations Property Groups

Data units:

6306	43.2	0.39	695.7
6330	31.3	0.99	754.6
6626	24.5	0.53	418.4

Grand Median	31.3	0.53	695.7
Median Abs Dev	6.8	0.14	58.9
Avg Within Lab SD			
Labs Included	3	3	3
Labs Reporting	3	3	3

HCO3 (311)

in the Anions Property Groups

Data units: mmol/L

6278	1.15	-0.14	0.00	0.70	0.07	0.00	56.3	-0.08	0.00
		-0.06	0.00		0.02	0.00		-1.4	0.0
6306	1.23	0.03	1.25	0.65	-0.09	0.31	54.2	-0.21	0.09
		0.01	0.05		-0.03	0.03		-3.5	0.3
6327	1.20	-0.03	0.49	0.73	0.16	0.18	53.8	-0.24	0.29
		-0.01	0.02		0.05	0.02		-3.9	1.0
6330	1.28	0.14	1.69	0.89	0.68	2.42	59.0	0.08	2.43
		0.07	0.07		0.22	0.23		1.4	8.4
6335	1.66	0.97	1.21	0.52	-0.49	0.71	66.5	0.54	0.73
		0.44	0.05		-0.16	0.07		8.8	2.5
6620	1.11	-0.22	1.35	0.66	-0.07	0.16	63.6	0.36	1.19
		-0.10	0.06		-0.02	0.02		5.9	4.1
6626	2.40	2.60	0.00	1.53	2.72	1.21	66.1	0.52	0.18
		1.19	0.00		0.86	0.12		8.5	0.6
6802	0.64	-1.26	0.24	0.33	-1.11	0.10	2.7	-3.36	0.01
		-0.57	0.01		-0.35	0.01		-55.0	0.0

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SRW0901

Sample Mean	Z Score	k Score
Difference	W/L STD	

SRW0902

Sample Mean	Z Score	k Score
Difference	W/L STD	

SRW0903

Sample Mean	Z Score	k Score
Difference	W/L STD	

Grand Median	1.21	0.68	57.7
Median Abs Dev	0.08	0.10	4.9
Avg Within Lab SD	0.04	0.10	3.5
Labs Included	8	8	8
Labs Reporting	8	8	8

CO3 (312)

in the Anions Property Groups

Data units: mmolc/L

6278									
				1.00	-0.87				
					-3.83				
6306				6.11	0.29	0.16			
					1.28	0.16			
6327				4.83	0.00	1.96			
					0.00	1.96			
6330				9.84	1.14	0.34			
					5.01	0.34			
6802				0.10	-1.07	0.00			
					-4.73	0.00			
Grand Median						4.83			
Median Abs Dev						3.83			
Avg Within Lab SD									
Labs Included		0		0		5			
Labs Reporting		0		0		5			

Cl (313)

in the Anions Property Groups

Data units: mmolc/L

6278									
	2.17	0.00	0.00	0.20	0.09	0.00	151.8	0.06	0.00
		0.00	0.00		0.03	0.00		3.1	0.0
6304	0.00	-3.49	0.00	0.00	-0.55	0.02	0.0	-2.70	0.00
		-2.17	0.00		-0.17	0.00		-148.7	0.0
6306	2.13	-0.07	0.22	0.13	-0.12	0.03	164.8	0.29	0.14
		-0.04	0.03		-0.04	0.00		16.1	2.4
6327	2.08	-0.14	0.05	0.12	-0.16	0.00	147.3	-0.02	0.09
		-0.09	0.01		-0.05	0.00		-1.4	1.5
6330	2.22	0.08	1.69	0.17	0.00	2.49	105.5	-0.78	2.87
		0.05	0.21		0.00	0.06		-43.2	46.7
6335	3.07	1.44	0.76	0.36	0.63	1.29	166.5	0.32	0.48
		0.90	0.09		0.19	0.03		17.8	7.9
6620	2.17	0.00	0.09	0.18	0.02	1.03	148.7	0.00	0.69
		0.00	0.01		0.01	0.02		0.0	11.3

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	SRW0901			SRW0902			SRW0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6626	2.67	0.79	2.32	1.50	4.36		156.2	0.14	0.12
6802	2.21	0.49	0.29	0.13	1.33	0.26	51.5	7.5	2.0
		0.05	0.36		-0.14			-1.76	0.03
		0.03	0.05		-0.04	0.01		-97.2	0.6
Grand Median		2.17			0.17			148.7	
Median Abs Dev		0.05			0.04			16.1	
Avg Within Lab SD		0.12			0.02			16.3	
Labs Included		9			9			9	
Labs Reporting		9			9			9	

NO3 (314)		in the Anions Property Groups							Data units: mmolc/L	
6278	0.044	0.10	0.14	0.005	-0.26	0.69	0.004	-0.43	0.00	
6304	0.041	0.002	0.002		-0.005	0.001		-0.006	0.000	
6306	0.038	-0.12	0.19	0.053	2.28	2.09	0.040	2.10	1.41	
6327	0.040	-0.002	0.002		0.043	0.003		0.030	0.005	
6330	0.067	-0.29	0.36							
6335	0.083	-0.005	0.004							
6802	0.043	-0.17	0.00							
		-0.003	0.000							
		1.50	2.56	0.020	0.53		0.013	0.24	1.73	
		0.024	0.029		0.010	0.00		0.003	0.006	
		2.54	0.51		0.00	0.00		0.00	0.00	
		0.041	0.006	0.010	0.000	0.000	0.010	0.000	0.000	
		0.00	0.10		-0.30	0.40		-0.61	0.17	
		0.000	0.001	0.004	-0.006	0.001	0.001	-0.009	0.001	
Grand Median		0.043			0.010			0.010		
Median Abs Dev		0.003			0.006			0.006		
Avg Within Lab SD		0.011			0.001			0.003		
Labs Included		7			5			5		
Labs Reporting		7			5			5		

SO4 (315)		in the Anions Property Groups							Data units: mmolc/L	
6278	32.0	0.05	0.58	0.13	0.27		0.30	0.13	0.15	
6304	13.4	0.5	0.4		0.02			0.04	0.02	
6306	33.3	-1.74	0.14	0.04	-0.78	0.28	0.00	-1.11	0.00	
		-18.1	0.1		-0.06	0.01		-0.29	0.00	
		0.17	0.44	0.18	0.92	1.16	0.50	0.66	0.27	
		1.7	0.3		0.08	0.02		0.17	0.03	

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	SRW0901			SRW0902			SRW0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6327	31.0	-0.05 -0.5	0.86 0.6	0.08	-0.27 -0.02	0.00 0.00	0.30	0.01 0.00	0.15 0.02
6330	35.8	0.41 4.3	1.80 1.3	0.24	1.62 0.13	1.95 0.04	1.00	2.58 0.67	2.78 0.33
6335	19.8	-1.13 -11.7	0.18 0.1	0.06	-0.55 -0.05	0.54 0.01	0.20	-0.37 -0.10	0.05 0.01
6620	36.3	0.46 4.8	1.58 1.1	0.14	0.41 0.03	0.98 0.02	0.30	-0.01 0.00	0.34 0.04
6802	17.1	-1.39 -14.5	0.98 0.7	0.06	-0.55 -0.05	0.72 0.02	0.20	-0.53 -0.14	0.08 0.01
Grand Median		31.5			0.10			0.29	
Median Abs Dev		4.5			0.05			0.12	
Avg Within Lab SD		0.7			0.02			0.12	
Labs Included		8			8			8	
Labs Reporting		8			8			8	

Sum Anions (316) in the Anions Property Groups									
Data units: mmolc/L									
6278	35.4	0.07 0.5	0.59 0.4	1.03	0.25 0.06	0.01 0.00	209.4	0.03 1.5	0.00 0.0
6306	36.7	0.22 1.8	0.44 0.3	0.96	-0.04 -0.01	0.23 0.03	225.6	0.30 17.7	0.12 2.6
6327	34.3	-0.07 -0.5	0.86 0.6	0.98	0.04 0.01	0.13 0.02	206.3	-0.03 -1.5	0.07 1.5
6330	39.4	0.56 4.5	1.88 1.3	1.32	1.58 0.35	2.31 0.31	172.2	-0.61 -35.6	2.43 50.2
6335	24.6	-1.27 -10.2	0.33 0.2	0.95	-0.08 -0.02	0.75 0.10	233.3	0.44 25.4	0.29 6.0
6802	19.9	-1.86 -14.9	1.03 0.7	0.52	-2.05 -0.45	0.17 0.02	54.4	-2.64 -153.4	0.02 0.5
Grand Median		34.9			0.97			207.9	
Median Abs Dev		3.2			0.04			21.6	
Avg Within Lab SD		0.7			0.14			20.7	
Labs Included		6			6			6	
Labs Reporting		6			6			6	

Cation-Anion Difference (317)									
Data units:									
6278	1.30	-0.15 -1.31	0.34 0.54	0.07	-0.47 -0.24	0.02 0.02	5.1	-0.29 -14.0	0.05 0.7

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	SRW0901			SRW0902			SRW0903		
	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD	Sample Mean	Z Score Difference	k Score W/L STD
6306	-2.29	-0.57 -4.90	0.16 0.25	0.07	-0.46 -0.24	0.05 0.05	-24.3	-0.89 -43.5	0.36 5.0
6327	3.92	0.15 1.31	2.28 3.56	1.81	2.95 1.51	2.43 2.60	1.8	-0.36 -17.4	0.09 1.2
6330	-3.23	-0.68 -5.84	0.79 1.24	0.32	0.03 0.01	0.31 0.33	33.4	0.29 14.3	2.37 33.1
6335	11.70	1.06 9.09	0.21 0.34	0.29	-0.03 -0.01	0.10 0.11	33.2	0.29 14.0	0.48 6.6
6802	14.80	1.42 12.19	0.07 0.11	0.37	0.12 0.06	0.10 0.11	114.3	1.94 95.1	0.08 1.1
Grand Median		2.61			0.31			19.2	
Median Abs Dev		5.37			0.15			15.8	
Avg Within Lab SD		1.56			1.07			13.9	
Labs Included		6			6			6	
Labs Reporting		6			6			6	

Boron (318)										Data units: mg/L
6278	0.13	2.20 0.04	0.58 0.01	0.013	0.00 0.000	1.12 0.006	0.030	0.15 0.003	0.00 0.000	
6304	0.06	-1.58 -0.03	1.18 0.01	0.011	-0.34 -0.002	0.39 0.002	0.020	-0.48 -0.010	0.63 0.005	
6306	0.08	-0.99 -0.02	0.52 0.01	0.015	0.28 0.002	1.13 0.006	0.020	-0.30 -0.006	1.34 0.010	
6327	0.10	0.20 0.00	1.60 0.02	0.014	0.14 0.001	0.30 0.002	0.030	0.34 0.007	1.09 0.008	
6330	0.10	0.18 0.00	0.58 0.01	0.010	-0.48 -0.003	0.00 0.000	0.100	3.25 0.070	0.79 0.006	
6335	0.09	0.00 0.73	0.58 1.54	0.010	-0.48 1.93	0.00 2.23	0.010	-0.77 0.00	0.00 2.09	
6620	0.11	0.01 0.00	0.02 0.58	0.027	0.013 1.93	0.012 1.12	0.030	0.000 0.46	0.015 0.79	
6626	0.09	0.00 0.00	0.01 0.01	0.027	0.013 -0.48	0.006 0.00	0.040	0.010 -0.31	0.006 0.00	
6802	0.09	-0.18 0.00	1.01 0.01	0.010	-0.48 -0.003	0.00 0.000	0.020	-0.007 0.000		
Grand Median		0.09			0.013			0.027		
Median Abs Dev		0.00			0.003			0.007		
Avg Within Lab SD		0.01			0.005			0.007		
Labs Included		9			9			9		
Labs Reporting		9			9			9		

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SRW0901

Sample Mean Z Score k Score
Difference W/L STD

SRW0902

Sample Mean Z Score k Score
Difference W/L STD

SRW0903

Sample Mean Z Score k Score
Difference W/L STD

PO4-P Phosphorus - Spec (319)

Data units: mg/L

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6278	0.040	-0.02	0.00				0.030		
		-0.008	0.000						
6306	0.055	0.02	0.05	0.12			0.011		
		0.008	0.007						
6327	0.025	-0.06	0.03	0.01					
		-0.023	0.003						
6330	0.963	2.59	2.00	1.04			11.290		
		0.916	0.275						
Grand Median		0.048		0.12			0.030		
Median Abs Dev		0.015		0.11			0.019		
Avg Within Lab SD		0.138		0.09			6.606		
Labs Included		4		3			3		
Labs Reporting		4		3			3		

Phosphorus - ICP (Total) (320)

Data units: mg/L

	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6304	0.84	1.66	0.16	0.114	0.29	0.13	0.07		
		0.62	0.01		0.047	0.004			
6327	0.03	-0.49	0.32	0.021	-0.29	0.03			
		-0.18	0.01		-0.047	0.001			
6330	0.32	0.27	1.96	0.350	1.78	1.98	3.76		
		0.10	0.09		0.283	0.053			
6802	0.12	-0.27	0.13	0.015	-0.33	0.26	0.11		
		-0.10	0.01		-0.052	0.007			
Grand Median		0.22		0.067			0.11		
Median Abs Dev		0.14		0.050			0.04		
Avg Within Lab SD		0.05		0.027			2.20		
Labs Included		4		4			3		
Labs Reporting		4		4			3		

TKN (321)

Data units: mg/L

6327	0.39			0.17			0.25		
6802	1.20			0.40			0.38		

Grand Median	0.79	0.28	0.31
Median Abs Dev	0.41	0.12	0.06
Avg Within Lab SD			
Labs Included	2	2	2
Labs Reporting	2	2	2

Total Organic Carbon (323) Data units: mg/L

6327 2.08 2.59 37.1

Grand Median	2.08	2.59	37.1
Median Abs Dev			
Avg Within Lab SD			
Labs Included	1	1	1
Labs Reporting	1	1	1

Soil Environmental Properties

Ag (401)												Data units: mg/kg			
6327	0.07	-0.07	0.39	0.051	0.00	1.18	0.060	-0.02	0.41	0.01			0.049		
6408	0.08	-0.03	0.00	0.050	0.000	0.004	0.070	-0.006	0.004				0.060		
6649	0.10	-0.01	0.00	0.019	0.000	0.000	0.020	0.006	0.006						
6854	1.00	0.03	1.96	1.000	-0.09	1.61	1.000	-0.13	1.85				1.000		
		0.01	0.01		-0.032	0.006		-0.050	0.017						
		2.57			2.61			2.53							
		0.91			0.950			0.933							
Grand Median		0.09			0.050			0.068					0.50		0.060
Median Abs Dev		0.02			0.016			0.028					0.50		0.011
Avg Within Lab SD		0.01			0.004			0.009					0.00		0.004
Labs Included		4			4			4					2		3
Labs Reporting		4			4			4					2		3

Al (402)												Data units: mg/kg			
6327	9,203.3	0.81	0.64	11,866.7	1.01	0.96	14,133.3	0.74	1.01	3,850.0	1.24	0.05	10,700.0	0.45	0.29
6407	8,053.0	0.00	1.27	8,564.7	0.00	0.47	11,766.0	0.00	0.44	3,325.3	-0.44	0.17	9,785.7	0.00	0.29
6408	8,890.0	0.0	413.3	10,656.7	0.0	328.1	13,566.7	0.0	279.3	3,703.3	-138.1	31.5	10,363.3	0.0	172.2
6649	7,025.3	0.59	0.35	5,881.2	0.64	1.17	7,803.6	0.56	1.20	3,463.5	0.77	1.46	6,680.2	0.29	1.23
6854	6,287.2	837.0	115.3	5,616.4	2,092.0	816.5	9,101.2	1,800.7	763.8	3,177.2	239.9	272.1	7,575.2	577.7	725.4
		-0.72	0.65		-0.82	1.25		-1.24	0.75		0.00	0.58		-1.54	0.74
		-1,027.7	212.6		-2,683.5	870.7		-3,962.4	476.5		0.0	107.9		-3,105.4	437.3
		-1.25	1.56		-0.90	0.96		-0.83	1.34		-0.92	1.58		-1.10	1.66
		-1,765.8	509.5		-2,948.2	666.7		-2,664.8	859.1		-286.3	293.4		-2,210.5	974.0
Grand Median		8,053.0			8,564.7			11,766.0			3,463.5			9,785.7	
Median Abs Dev		1,027.7			2,683.5			2,367.3			239.9			914.3	
Avg Within Lab SD		326.5			695.7			638.7			185.9			587.5	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			5			5			5	

As (403)												Data units: mg/kg			
6327	2.73	0.31	0.86	2.66	0.16	0.26	6.32	0.34	0.75	0.15	-0.74	0.22	6.62	0.07	0.78
6407	2.75	0.20	0.12	2.57	0.09	0.04	5.79	0.53	0.15	0.47	-0.15	0.01	6.52	0.11	0.19
6408	2.53	0.35	1.52	2.57	0.01	0.10	6.40	0.00	0.58	0.30	0.85	0.46	6.90	0.00	0.69
6649	1.05	0.22	0.21	1.07	0.00	0.02	2.07	0.00	0.12	0.24	0.17	0.03	2.62	0.00	0.17
6854	2.31	0.00	1.09	2.15	0.00	1.90	5.39	0.39	1.30	0.59	0.00	0.00	5.98	0.26	1.80
		0.00	0.15		0.00	0.32		0.61	0.26		0.00	0.00		0.38	0.44
		-2.35	0.14		-2.50	0.67		-2.38	0.27		-0.32	1.53		-2.67	0.49
		-1.49	0.02		-1.50	0.11		-3.72	0.05		-0.06	0.09		-3.90	0.12
		-0.36	0.87		-0.71	0.93		-0.26	1.53		1.47	1.55		-0.37	0.65
		-0.23	0.12		-0.42	0.16		-0.40	0.31		0.29	0.09		-0.54	0.16

Grand Median	2.53	2.57	5.79	0.30	6.52
Median Abs Dev	0.22	0.09	0.53	0.15	0.38
Avg Within Lab SD	0.14	0.17	0.20	0.06	0.24
Labs Included	5	5	5	5	5
Labs Reporting	5	5	5	5	5

Ba (404) Data units: mg/kg

6327	113.7	0.70	0.39	133.3	1.37	0.71	152.0	0.49	0.32	18.3	0.88	0.41	82.3	0.43	0.26
		3.8	2.1		16.9	7.0		2.0	2.0		1.5	0.4		1.7	1.0
6407	103.2	-1.23	0.21	114.4	-0.16	0.20	141.2	-2.14	0.73	15.5	-0.76	0.48	73.3	-1.84	0.64
		-6.7	1.1		-2.0	2.0		-8.8	4.5		-1.3	0.5		-7.4	2.4
6408	112.3	0.46	0.61	127.7	0.91	0.92	150.0	0.00	1.12	16.8	0.00	0.98	83.5	0.72	1.53
		2.5	3.2		11.3	9.0		0.0	6.9		0.0	1.0		2.9	5.7
6649	109.9	0.00	2.03	116.4	0.00	1.78	151.3	0.31	1.37	18.8	1.20	1.45	79.1	-0.39	0.72
		0.0	10.7		0.0	17.5		1.3	8.5		2.0	1.4		-1.6	2.7
6854	104.5	-0.99	0.57	104.9	-0.93	0.67	148.2	-0.43	1.12	15.9	-0.53	1.25	80.6	0.00	1.29
		-5.4	3.0		-11.5	6.5		-1.8	7.0		-0.9	1.2		0.0	4.8

Grand Median	109.9	116.4	150.0	16.8	80.6
Median Abs Dev	3.8	11.3	1.8	1.3	1.7
Avg Within Lab SD	5.3	9.8	6.2	1.0	3.7
Labs Included	5	5	5	5	5
Labs Reporting	5	5	5	5	5

Be (405) Data units: mg/kg

6327	0.83	2.04	0.33	0.70	1.42	1.07	0.71	0.90	0.68	0.25	0.25	0.25	0.50	0.00	1.72
		0.31	0.01		0.18	0.04		0.11	0.01		0.04	0.01		0.00	0.02
6407	0.42	-0.65	0.41	0.40	-0.89	0.00	0.44	-1.28	0.38				0.52	0.30	
		-0.10	0.01		-0.11	0.00		-0.16	0.01					0.02	
6408	0.53	0.11	2.05	0.57	0.41	1.64	0.60	0.00	0.00	0.13	-0.42	1.95	0.40	-1.17	0.00
		0.02	0.06		0.05	0.06		0.00	0.00		-0.07	0.06		-0.10	0.00
6649	0.43	-0.58	0.43	0.43	-0.65	0.82	0.46	-1.08	1.35	0.16	-0.25	0.37	0.35	-1.84	1.42
		-0.09	0.01		-0.08	0.03		-0.14	0.02		-0.04	0.01		-0.15	0.02
6854	0.52	0.00	0.57	0.51	0.00	0.69	0.62	0.12	1.60	0.50	1.78		0.50	0.05	
		0.00	0.02		0.00	0.02		0.02	0.02		0.30			0.00	

Grand Median	0.52	0.51	0.60	0.20	0.50
Median Abs Dev	0.09	0.08	0.11	0.06	0.02
Avg Within Lab SD	0.03	0.04	0.02	0.03	0.01
Labs Included	5	5	5	4	5
Labs Reporting	5	5	5	4	5

Bi (406) Data units: mg/kg

6327	0.16		0.15		0.17		0.084		0.16
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6408	0.10		0.10		0.17		0.13
Grand Median	0.13		0.13		0.17		0.084
Median Abs Dev	0.03		0.03		0.00		0.01
Avg Within Lab SD							0.003
Labs Included	2		2		2		1
Labs Reporting	2		2		2		1

B (407) Data units: mg/kg

6327	3.65		8.32		5.96		0.66		3.37
6407	3.11		5.36		3.31				2.87
6854	1.70		3.73		2.49		0.52		1.54
Grand Median	3.11		5.36		3.31		0.59		2.87
Median Abs Dev	0.55		1.63		0.82		0.07		0.50
Avg Within Lab SD							0.02		0.58
Labs Included	3		3		3		2		3
Labs Reporting	3		3		3		2		3

Ca (408) Data units: mg/kg

6327	1,763.4	1.65	0.79	14,133.3	-0.71	0.29	3,373.3	-0.40	0.67	104.7	-0.50	0.32	3,453.3	-0.01	0.51
		245.0	20.9		-1,124.8	152.8		-124.0	77.7		-3.2	2.9		-1.7	61.1
6407	1,386.0	-0.89	0.53	14,549.7	-0.44	0.04	3,391.3	-0.34	0.40	100.3	-1.19	1.24	3,099.3	-1.57	0.47
		-132.5	14.1		-708.5	22.2		-106.0	46.4		-7.6	11.3		-355.7	55.8
6408	1,530.0	0.08	1.35	15,966.7	0.44	1.97	3,603.3	0.34	1.84	111.0	0.50		3,456.7	0.01	1.79
		11.6	36.1		708.5	1,050.4		106.0	215.0		3.2			1.7	212.2
6854	1,506.9	-0.08	1.13	17,016.3	1.10	0.23	4,000.1	1.62	0.09	111.1	0.52	1.54	3,706.0	1.11	0.56
		-11.6	30.1		1,758.2	124.5		502.8	10.6		3.3	14.1		251.0	66.8
Grand Median	1,518.5				15,258.2		3,497.3				107.8			3,455.0	
Median Abs Dev	72.0				916.7		115.0				3.2			126.4	
Avg Within Lab SD	26.7				534.5		116.8				9.1			118.7	
Labs Included	4				4		4				4			4	
Labs Reporting	4				4		4				4			4	

Cd (409) Data units: mg/kg

6327	0.36	-0.27	1.38	0.11	-0.21	0.84	0.21	-0.23	0.95	0.010	-0.21	1.51	0.16	-0.70	0.08
		-0.02	0.02		-0.03	0.01		-0.03	0.01		-0.045	0.009		-0.08	0.01
6407	0.33	-0.75	0.86	0.12	-0.19	0.43	0.19	-0.39	0.40	0.007	-0.22	0.17	0.26	0.16	2.17
		-0.06	0.01		-0.03	0.01		-0.04	0.01		-0.047	0.001		0.02	0.15
6408	0.38	0.00	0.43	0.14	0.00	0.43	0.24	0.00	0.79				0.19	-0.38	0.22
		0.00	0.01		0.00	0.01		0.00	0.01					-0.05	0.02

6649	0.45	0.82	1.48		0.21	0.48	1.98		0.28	0.37	1.82		0.099	0.21	1.30		0.24	0.00	0.51
		0.06	0.02			0.07	0.03			0.04	0.03			0.045	0.008			0.00	0.03
6854	0.50	1.54			0.50	2.49			0.50	2.38			0.500	2.06			0.50		2.13
		0.12				0.36				0.26				0.446					0.26
Grand Median		0.38				0.14				0.24				0.054				0.24	
Median Abs Dev		0.06				0.03				0.04				0.046				0.05	
Avg Within Lab SD		0.01				0.01				0.01				0.006				0.07	
Labs Included		5				5				5				4				5	
Labs Reporting		5				5				5				4				5	

Co (410)

Data units: mg/kg

6327	6.70	1.11	1.77		4.97	0.61	1.31		7.44	0.25	0.38		1.05	2.32	1.70		4.58	-0.11	0.25
		1.17	0.34			0.64	0.27			0.22	0.22			0.42	0.11			-0.07	0.09
6407	5.53	0.00	0.21		4.33	0.00	0.24		7.21	0.00	0.50		0.63	0.00	0.57		4.66	0.02	0.25
		0.00	0.04			0.00	0.05			0.00	0.28			0.00	0.04			0.01	0.09
6408	5.90	0.35	1.05		5.10	0.73	1.26		7.77	0.61	0.84		0.73	0.55	0.87		5.30	1.08	1.74
		0.37	0.20			0.77	0.26			0.55	0.47			0.10	0.06			0.65	0.62
6649	3.91	-1.54	0.02		2.94	-1.32	0.80		5.21	-2.20	0.26		0.60	-0.21	0.55		3.35	-2.16	0.03
		-1.62	0.00			-1.39	0.17			-2.00	0.15			-0.04	0.04			-1.30	0.01
6854	5.14	-0.37	0.84		3.57	-0.72	1.00		6.92	-0.32	1.96		0.58	-0.30	0.86		4.65	0.00	1.36
		-0.39	0.16			-0.76	0.21			-0.29	1.10			-0.05	0.06			0.00	0.49
Grand Median		5.53				4.33				7.21				0.63				4.65	
Median Abs Dev		0.39				0.76				0.29				0.05				0.07	
Avg Within Lab SD		0.19				0.21				0.56				0.07				0.36	
Labs Included		5				5				5				5				5	
Labs Reporting		5				5				5				5				5	

Cr (411)

Data units: mg/kg

6327	18.4	0.72	0.66		12.30	0.67	0.91		20.8	0.84	0.91		5.22	1.40	0.52		18.4	0.63	0.29
		3.0	0.5			2.62	0.56			4.2	0.8			1.02	0.19			2.8	0.3
6407	15.4	0.00	0.58		9.68	0.00	0.51		16.6	0.00	0.25		4.20	0.00	0.23		15.6	0.00	0.34
		0.0	0.4			0.00	0.31			0.0	0.2			0.00	0.08			0.0	0.3
6408	16.7	0.31	1.55		11.67	0.51	0.94		19.7	0.61	1.31		4.67	0.64	1.57		17.7	0.47	1.26
		1.3	1.2			1.99	0.58			3.0	1.2			0.47	0.58			2.1	1.2
6649	9.8	-1.35	0.49		5.36	-1.10	1.16		10.9	-1.15	1.07		3.86	-0.45	0.69		10.0	-1.25	0.90
		-5.6	0.4			-4.32	0.71			-5.8	0.9			-0.33	0.25			-5.6	0.8
6854	11.2	-1.00	1.25		5.40	-1.09	1.30		12.7	-0.78	1.11		3.55	-0.88	1.32		11.0	-1.02	1.55
		-4.1	0.9			-4.29	0.80			-3.9	1.0			-0.65	0.48			-4.5	1.4
Grand Median		15.4				9.68				16.6				4.20				15.6	
Median Abs Dev		3.0				2.62				3.9				0.47				2.8	
Avg Within Lab SD		0.7				0.61				0.9				0.37				0.9	
Labs Included		5				5				5				5				5	
Labs Reporting		5				5				5				5				5	

Cu (412)														Data units: mg/kg		
6327	7.85	0.00	0.42	8.59	0.29	0.30	11.0	0.17	0.77	0.92	-0.61	0.11	9.33	0.10	0.79	
		0.00	0.12		0.35	0.09		0.3	0.4		-0.29	0.02		0.11	0.31	
6407	8.11	0.23	1.79	8.24	0.00	0.91	10.7	0.00	0.25	1.22	0.00	1.31	9.15	-0.06	0.10	
		0.26	0.53		0.00	0.28		0.0	0.1		0.00	0.26		-0.07	0.04	
6408	9.10	1.14	0.67	9.87	1.33	1.76	12.9	1.36	1.66	1.23	0.03	0.29	10.57	1.29	1.91	
		1.25	0.20		1.62	0.55		2.2	0.8		0.02	0.06		1.35	0.74	
6649	6.49	-1.24	0.16	6.54	-1.39	0.10	8.0	-1.65	0.32	2.51	2.71	1.59	7.22	-1.92	0.55	
		-1.36	0.05		-1.71	0.03		-2.7	0.2		1.30	0.32		-2.01	0.21	
6854	7.03	-0.75	1.06	7.80	-0.37	0.98	10.4	-0.19	1.23	1.21	-0.01	0.80	9.22	0.00	0.65	
		-0.82	0.31		-0.45	0.31		-0.3	0.6		-0.01	0.16		0.00	0.25	
Grand Median		7.85			8.24			10.7			1.22			9.22		
Median Abs Dev		0.82			0.45			0.3			0.02			0.11		
Avg Within Lab SD		0.30			0.31			0.5			0.20			0.39		
Labs Included		5			5			5			5			5		
Labs Reporting		5			5			5			5			5		

Fe (413)														Data units: mg/kg		
6327	12,433.3	0.23	0.39	12,600.0	0.39	0.43	15,633.3	0.31	0.22	3,136.7	0.00	0.19	13,100.0	0.21	0.15	
		413.0	230.9		1,350.7	300.0		797.0	208.2		0.0	40.4		303.7	100.0	
6407	12,020.3	0.00	0.37	11,249.3	0.00	0.31	14,836.3	0.00	0.20	2,800.3	-2.04	0.21	12,796.3	0.00	0.35	
		0.0	222.7		0.0	218.8		0.0	191.0		-336.3	46.8		0.0	229.7	
6408	13,133.3	0.62	0.51	13,433.3	0.62	1.16	16,800.0	0.77	0.91	3,106.7	-0.18	0.85	14,200.0	0.98	1.39	
		1,113.0	305.5		2,184.0	808.3		1,963.7	854.4		-30.0	185.8		1,403.7	916.5	
6649	9,754.3	-1.27	1.57	7,072.9	-1.19	1.01	10,745.7	-1.60	1.43	3,221.6	0.52	1.35	9,686.4	-2.16	1.05	
		-2,266.0	936.3		-4,176.4	705.6		-4,090.6	1,336.7		84.9	295.4		-3,109.9	693.8	
6854	9,780.5	-1.25	1.41	7,164.8	-1.17	1.53	13,044.0	-0.70	1.42	3,240.8	0.63	1.54	12,760.7	-0.02	1.35	
		-2,239.8	837.9		-4,084.6	1,070.6		-1,792.3	1,332.5		104.1	335.5		-35.7	888.2	
Grand Median		12,020.3			11,249.3			14,836.3			3,136.7			12,796.3		
Median Abs Dev		1,113.0			2,184.0			1,792.3			84.9			303.7		
Avg Within Lab SD		595.8			697.9			935.1			218.3			659.2		
Labs Included		5			5			5			5			5		
Labs Reporting		5			5			5			5			5		

K (414)														Data units: mg/kg		
6327	2,076.6	1.05	0.88	2,806.7	0.94	1.13	1,513.7	0.92	0.36	159.3	1.33	1.11	1,216.7	1.30	0.21	
		241.8	70.3		458.8	155.3		210.7	24.7		61.0	11.6		175.4	11.5	
6407	1,736.3	-0.43	0.67	2,162.3	-0.38	0.36	1,196.0	-0.47	0.64	63.9	-0.75	1.13	989.2	-0.39	0.43	
		-98.5	53.7		-185.5	49.7		-107.0	43.9		-34.4	11.8		-52.1	23.7	
6408	1,933.3	0.43	1.38	2,533.3	0.38	1.04	1,410.0	0.47	1.26	112.7	0.31	0.87	1,093.3	0.39	1.12	
		98.5	110.2		185.5	142.2		107.0	86.6		14.4	9.1		52.1	61.1	
6854	1,654.1	-0.79	0.94	1,858.5	-1.00	1.23	1,110.2	-0.84	1.37	83.9	-0.31	0.85	957.6	-0.62	1.59	
		-180.7	75.0		-489.4	168.2		-192.8	94.4		-14.4	8.8		-83.7	86.7	

Grand Median	1,834.8			2,347.8			1,303.0			98.3			1,041.3
Median Abs Dev	139.6			322.2			149.9			24.4			67.9
Avg Within Lab SD	80.0			137.0			68.8			10.4			54.6
Labs Included	4			4			4			4			4
Labs Reporting	4			4			4			4			4

Li (415) Data units: mg/kg

6327	8.39			14.8	0.53	0.49		7.70			3.09			8.21
					1.7	0.4								
6407				12.3	-0.28	0.51								
					-0.9	0.4								
6408	7.33			14.0	0.28	1.36		6.33						7.00
					0.9	1.0								
6854	4.70			8.1	-1.61	1.28		4.23			2.02			5.02
					-5.0	0.9								

Grand Median	7.33			13.1			6.33			2.56			7.00
Median Abs Dev	1.06			1.3			1.36			0.53			1.21
Avg Within Lab SD										0.33			0.67
Labs Included	3			4			3			2			3
Labs Reporting	3			4			3			2			3

Mg (416) Data units: mg/kg

6327	2,350.0	0.40	0.76	4,243.3	0.32	0.65		2,560.0	0.33	0.49		197.0	1.11	0.53	2,070.0	0.39	0.46
		63.3	55.7		156.3	136.5			92.8	43.6			50.4	5.6		57.7	52.0
6407	2,223.3	-0.40	0.74	3,930.7	-0.32	0.32		2,374.3	-0.33	0.65		129.9	-0.37	1.08	1,954.7	-0.39	0.25
		-63.3	53.8		-156.3	68.5			-92.8	57.5			-16.7	11.4		-57.7	28.4
6408	2,353.3	0.42	1.40	4,330.0	0.50	1.54		2,703.3	0.83	1.47		163.3	0.37	0.85	2,083.3	0.48	1.39
		66.7	102.1		243.0	324.5			236.2	130.5			16.7	9.0		71.0	155.0
6854	2,049.0	-1.49	0.95	3,337.0	-1.55	1.05		2,119.7	-1.22	1.09		108.1	-0.85	1.36	1,801.8	-1.43	1.34
		-237.7	69.2		-750.0	222.5			-347.5	96.4			-38.5	14.3		-210.5	150.0

Grand Median	2,286.7			4,087.0			2,467.2			146.6			2,012.3
Median Abs Dev	65.0			199.7			164.5			27.6			64.3
Avg Within Lab SD	72.8			211.0			88.8			10.6			111.8
Labs Included	4			4			4			4			4
Labs Reporting	4			4			4			4			4

Mn (417) Data units: mg/kg

6327	465.7	-0.25	1.02	262.0	0.07	0.59		669.0	-0.43	0.49		34.1	1.46	0.62	350.3	-0.31	0.49
		-13.3	16.6		2.3	6.2			-25.0	30.1			8.8	1.2		-17.5	10.1
6407	481.0	0.04	0.22	259.7	0.00	0.39		715.9	0.38	0.69		25.3	0.00	1.47	367.9	0.00	0.68
		2.0	3.6		0.0	4.2			21.9	42.5			0.0	2.7		0.0	14.0
6408	479.0	0.00	0.87	278.0	0.56	1.27		694.0	0.00	0.62		25.8	0.09	0.73	396.0	0.49	1.90
		0.0	14.0		18.3	13.5			0.0	38.2			0.5	1.4		28.1	39.1

6649	321.7	-2.97	0.17	188.9	-2.15	1.52	548.1	-2.50	1.51	18.5	-1.14	0.76	254.4	-1.98	0.40
		-157.3	2.7		-70.8	16.2		-145.9	93.0		-6.8	1.4		-113.4	8.3
6854	485.2	0.12	1.77	239.9	-0.60	0.75	697.9	0.07	1.28	21.2	-0.68	1.16	401.9	0.59	0.72
		6.2	28.6		-19.7	8.0		3.9	79.0		-4.1	2.2		34.1	14.8
Grand Median		479.0			259.7			694.0			25.3			367.9	
Median Abs Dev		6.2			18.3			21.9			4.1			28.1	
Avg Within Lab SD		16.2			10.7			61.7			1.9			20.6	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			5			5			5	

Mo (418)

Data units: mg/kg

6327	0.79	0.17	0.25	0.50	0.03	2.08	1.04	0.17	0.88	0.33	0.09	1.75	1.17	0.00	0.40
		0.05	0.01		0.00	0.04		0.07	0.03		0.02	0.01		0.00	0.03
6407	0.74	0.00	0.54	0.44	-0.37	0.70	0.97	0.00	0.69				1.23	0.12	1.97
		0.00	0.02		-0.06	0.01		0.00	0.02					0.06	0.13
6408	0.83	0.32	2.06	0.50	0.00		1.03	0.15	1.93	0.30	-0.09	0.00	1.27	0.18	0.87
		0.10	0.06		0.00			0.07	0.06		-0.02	0.00		0.10	0.06
6649	0.11	-2.09	0.63	0.04	-2.97	0.44	0.12	-1.97	0.15	0.05	-1.48	0.96	0.21	-1.81	0.44
		-0.62	0.02		-0.46	0.01		-0.85	0.00		-0.26	0.01		-0.96	0.03
6854	0.50	-0.79		0.50	0.00		0.50	-1.08		0.50	1.03		0.50	-1.26	
		-0.24			0.00			-0.47			0.18			-0.67	
Grand Median		0.74			0.50			0.97			0.32			1.17	
Median Abs Dev		0.10			0.00			0.07			0.10			0.10	
Avg Within Lab SD		0.03			0.02			0.03			0.01			0.07	
Labs Included		5			5			5			4			5	
Labs Reporting		5			5			5			4			5	

Na (419)

Data units: mg/kg

6327	92.1			271.3	-0.34	0.32	23.2			7.0			23.5		
					-4.2	6.5									
6407	74.0			291.7	1.33	0.03									
					16.2	0.6									
6408				279.7	0.34	1.25									
					4.2	25.1									
6854	70.0			267.2	-0.68	1.52	45.8			21.9			43.8		
					-8.3	30.5									
Grand Median		74.0			275.5			34.5			14.5			33.7	
Median Abs Dev		4.0			6.2			11.3			7.5			10.2	
Avg Within Lab SD											1.9			3.3	
Labs Included		3			4			2			2			2	
Labs Reporting		3			4			2			2			2	

Ni (420)

Data units: mg/kg

6327	11.2	0.31	0.91	9.02	0.45	0.79	16.3	0.51	0.83	2.07	0.91	0.87	10.9	0.35	1.10
		0.5	0.3		0.81	0.27		1.5	0.6		0.36	0.11		0.8	0.6
6407	10.7	0.00	0.23	8.21	0.00	0.25	14.8	0.00	0.61	1.71	0.00	0.21	10.1	0.00	0.36
		0.0	0.1		0.00	0.09		0.0	0.4		0.00	0.03		0.0	0.2
6408	12.1	0.78	1.70	10.00	1.01	1.56	17.5	0.94	1.58	2.30	1.49	1.36	11.6	0.69	1.40
		1.4	0.6		1.79	0.53		2.7	1.1		0.59	0.17		1.5	0.8
6649	7.7	-1.67	0.57	6.10	-1.18	0.14	10.5	-1.53	0.15	1.71	-0.01	0.20	7.0	-1.39	0.02
		-3.0	0.2		-2.10	0.05		-4.3	0.1		0.00	0.03		-3.1	0.0
6854	9.6	-0.61	0.94	6.91	-0.73	1.36	13.7	-0.39	1.19	1.33	-0.97	1.52	8.0	-0.95	1.30
		-1.1	0.3		-1.30	0.46		-1.1	0.9		-0.38	0.19		-2.1	0.7
Grand Median		10.7			8.21			14.8			1.71			10.1	
Median Abs Dev		1.1			1.30			1.5			0.36			1.5	
Avg Within Lab SD		0.3			0.34			0.7			0.13			0.5	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			5			5			5	

P (421)															
															Data units: mg/kg
6327	638.3	-1.39	0.31	485.3	-1.57	0.52	491.0	-1.34	0.80	56.3	-0.85	0.49	549.3	-0.94	0.61
		-74.1	6.4		-47.7	10.7		-52.7	18.4		-3.9	2.5		-63.9	18.6
6407	712.4	0.00	0.47	534.0	0.03	1.26	543.7	0.00	0.71	60.2	0.00	1.59	641.1	0.41	0.37
		0.0	9.9		1.0	25.9		0.0	16.3		0.0	8.1		27.9	11.3
6408	756.0	0.82	0.79	575.3	1.40	1.43	592.3	1.23	1.63	62.0	0.40	0.71	688.0	1.11	2.04
		43.6	16.5		42.3	29.6		48.7	37.3		1.8	3.6		74.8	62.0
6649	773.3	1.14	1.98	521.7	-0.37	0.98	568.3	0.63	0.55	66.3	1.35	0.63	551.7	-0.91	0.25
		60.9	41.6		-11.3	20.2		24.7	12.6		6.2	3.2		-61.6	7.6
6854	711.6	-0.02	0.37	533.0	0.00	0.36	536.7	-0.18	0.96	56.7	-0.77	1.15	613.2	0.00	0.51
		-0.9	7.7		0.0	7.4		-7.0	22.0		-3.5	5.9		0.0	15.5
Grand Median		712.4			533.0			543.7			60.2			613.2	
Median Abs Dev		43.6			11.3			24.7			3.5			61.6	
Avg Within Lab SD		21.0			20.6			23.0			5.1			30.4	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			5			5			5	

Pb (422)															
															Data units: mg/kg
6327	9.47	-0.01	0.65	7.55	0.00	0.36	11.9	0.00	0.22	7.80	-0.10	0.87	22.3	-0.39	0.62
		-0.02	0.49		0.00	0.19		0.0	0.2		-0.09	0.53		-0.9	1.3
6407	8.85	-0.57	0.42	6.98	-0.46	0.07	10.5	-1.28	0.49	7.13	-0.82	0.47	20.0	-1.42	0.31
		-0.63	0.32		-0.57	0.04		-1.4	0.4		-0.76	0.29		-3.2	0.7
6408	10.20	0.64	0.35	8.80	1.00	1.04	12.7	0.74	0.87	8.37	0.52	0.68	24.0	0.38	0.85
		0.72	0.26		1.25	0.56		0.8	0.7		0.48	0.42		0.8	1.8
6649	11.89	2.15	2.07	9.70	1.73	1.88	13.4	1.34	1.46	9.68	1.94	1.71	25.8	1.18	1.94
		2.41	1.58		2.15	1.01		1.5	1.1		1.79	1.04		2.7	4.1
6854	9.48	0.00	0.02	7.34	-0.17	0.48	11.9	-0.02	1.35	7.89	0.00	0.81	23.2	0.00	0.16
		0.00	0.02		-0.21	0.26		0.0	1.1		0.00	0.49		0.0	0.3

Grand Median	9.48	7.55	11.9	7.89	23.2
Median Abs Dev	0.63	0.57	0.8	0.48	0.9
Avg Within Lab SD	0.76	0.53	0.8	0.61	2.1
Labs Included	5	5	5	5	5
Labs Reporting	5	5	5	5	5

S (423) Data units: mg/kg

6327	276.3	253.7	262.3	68.5	340.7
6407	122.0	172.0	220.7	52.5	261.3
6854	135.1	175.0	230.0	72.7	282.7

Grand Median	135.1	175.0	230.0	68.5	282.7
Median Abs Dev	13.1	3.0	9.3	4.2	21.4
Avg Within Lab SD				6.4	14.3
Labs Included	3	3	3	3	3
Labs Reporting	3	3	3	3	3

Sb (424) Data units: mg/kg

6327	0.30	0.31	0.35	0.19	0.38
6408	0.20	0.20	0.30	0.10	0.30
6854	0.50	0.50	0.50	0.50	0.50

Grand Median	0.30	0.31	0.35	0.19	0.38
Median Abs Dev	0.10	0.11	0.05	0.09	0.08
Avg Within Lab SD				0.02	0.01
Labs Included	3	3	3	3	3
Labs Reporting	3	3	3	3	3

Se (425) Data units: mg/kg

6327	0.15	0.21	0.50	-0.32	1.75	0.11	0.32
6408			0.70	-0.10	0.09		
6649	0.05	0.05	0.16	0.32		0.07	0.15
6854	0.50	0.50	0.81	0.10	0.18	0.50	0.53
				-1.40	0.01		
				-0.44	0.95		
				0.66	0.05		
				0.21			

Grand Median	0.15	0.21	0.60	0.11	0.32
Median Abs Dev	0.10	0.16	0.16	0.03	0.17
Avg Within Lab SD				0.01	0.02
Labs Included	3	3	4	3	3
Labs Reporting	3	3	4	3	3

Sn (426) Data units: mg/kg

6327	0.96	0.69	0.58	0.41	1.80
6408	0.73	0.57	0.50	0.30	0.93
6854	0.50	0.50	0.50	0.50	0.50

Grand Median	0.73	0.57	0.50	0.41	0.93
Median Abs Dev	0.23	0.07	0.00	0.09	0.43
Avg Within Lab SD				0.01	0.41
Labs Included	3	3	3	3	3
Labs Reporting	3	3	3	3	3

Sr (427) Data units: mg/kg

6327	20.7	1.79	1.87	75.8	0.11	0.34	16.1	0.71	0.32	1.52	11.93
		8.4	2.1		0.3	0.9		1.0	0.2		
6407	11.5	-0.16	0.31	75.2	-0.11	0.09	14.6	-0.39	0.66		
		-0.7	0.3		-0.3	0.2		-0.5	0.4		
6408	13.0	0.16	0.40	78.7	1.18	1.81	15.6	0.39	1.61	1.27	8.23
		0.7	0.5		3.1	4.8		0.5	1.0		
6854	9.5	-0.59	0.49	72.1	-1.29	0.78	13.5	-1.20	0.93	0.91	6.29
		-2.8	0.6		-3.4	2.1		-1.6	0.6		

Grand Median	12.3	75.5	15.1	1.27	8.23
Median Abs Dev	1.8	1.7	0.7	0.25	1.94
Avg Within Lab SD	1.1	2.6	0.6	0.09	1.08
Labs Included	4	4	4	3	3
Labs Reporting	4	4	4	3	3

V (428) Data units: mg/kg

6327	25.0	0.66	0.79	27.3	0.74	0.91	39.6	0.78	0.15	8.18	1.17	0.19	28.1	0.60	0.32
		5.2	0.8		7.5	1.3		9.8	0.3		1.88	0.09		4.6	0.4
6407	19.8	0.00	0.47	19.7	0.00	0.35	29.8	0.00	0.19	6.30	0.00	0.26	23.5	0.00	0.44
		0.0	0.5		0.0	0.5		0.0	0.3		0.00	0.13		0.0	0.6
6408	22.3	0.32	0.61	23.7	0.38	1.11	36.7	0.55	1.27	7.33	0.64	1.20	25.7	0.29	1.50
		2.6	0.6		3.9	1.5		6.9	2.1		1.03	0.58		2.2	2.1
6649	10.3	-1.20	1.32	8.2	-1.12	1.49	15.8	-1.13	1.60	5.23	-0.67	1.26	12.6	-1.41	1.31
		-9.5	1.3		-11.5	2.1		-14.0	2.6		-1.07	0.60		-10.9	1.8

6854	10.3	-1.19	1.42	8.2	-1.13	0.78	18.4	-0.91	0.88	4.85	-0.90	1.36	15.2	-1.08	0.85
		-9.4	1.3		-11.5	1.1		-11.4	1.5		-1.45	0.65		-8.3	1.2
Grand Median		19.8			19.7			29.8			6.30			23.5	
Median Abs Dev		5.2			7.5			9.8			1.07			4.6	
Avg Within Lab SD		0.9			1.4			1.6			0.48			1.4	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			5			5			5	

Zn (429)															
															Data units: mg/kg
6327	49.6	0.00	0.27	36.9	0.39	0.67	54.3	0.63	0.27	5.70	0.00	0.18	50.7	0.00	0.06
		0.0	0.8		3.4	0.9		8.2	0.6		0.00	0.13		0.0	0.2
6407	44.7	-0.43	0.71	29.6	-0.44	0.38	42.3	-0.29	0.35	3.56	-0.65	0.26	43.4	-0.79	0.32
		-4.9	2.1		-3.9	0.5		-3.8	0.8		-2.14	0.18		-7.3	1.2
6408	54.7	0.44	0.51	39.7	0.69	1.82	56.0	0.76	1.58	4.67	-0.31	0.84	51.7	0.11	1.02
		5.1	1.5		6.2	2.5		9.9	3.6		-1.03	0.58		1.0	3.8
6649	21.4	-2.47	1.03	17.0	-1.85	0.71	24.2	-1.69	1.09	7.66	0.59	0.14	30.1	-2.23	0.84
		-28.2	3.1		-16.5	1.0		-21.9	2.5		1.96	0.10		-20.5	3.1
6854	50.0	0.03	1.76	33.5	0.00	0.77	46.1	0.00	1.06	11.75	1.82	2.04	52.9	0.25	1.77
		0.4	5.3		0.0	1.1		0.0	2.4		6.05	1.41		2.3	6.6
Grand Median		49.6			33.5			46.1			5.70			50.7	
Median Abs Dev		4.9			3.9			8.2			1.96			2.3	
Avg Within Lab SD		3.0			1.4			2.3			0.69			3.7	
Labs Included		5			5			5			5			5	
Labs Reporting		5			5			5			5			5	

Hg (US-EPA 7470 or 7471) (430)															
															Data units: mg/kg
6327	0.026			0.012			0.038			0.014			0.17	0.89	0.25
														0.03	0.00
6407	0.070			0.055			0.070						0.08	-1.41	0.17
														-0.05	0.00
6408													0.14	0.20	0.47
														0.01	0.01
6649	0.008			0.006			0.032			0.011			0.13	-0.20	1.92
														-0.01	0.02
Grand Median		0.026			0.012			0.038			0.012			0.14	
Median Abs Dev		0.018			0.006			0.006			0.001			0.02	
Avg Within Lab SD											0.002			0.01	
Labs Included		3			3			3			2			4	
Labs Reporting		3			3			3			2			4	

Homogeneity Evaluation Soil



SRS material homogeneity was evaluated based on soil test codes pH (1:1) H₂O, EC (1:1), NO₃-N, P Olsen, K Olsen, SOM based on analysis of 5 jars of each in triplicate by an independent laboratory. Results for homogeneity (See Table 1) indicate no significant differences within each soil material for all analytical test methods evaluated. Homogeneity was also evaluated on SRB and SRW samples and all values were within acceptable limits.

Table 1. Homogeneity evaluation of SRS materials, ALP Spring 2009.

Sample	pH (1:1) H ₂ O		EC (1:1) (dSm ⁻¹)		Olsen P (mg kg ⁻¹)	
	Mean ¹	Std	Mean	Std	Mean	Std
SRS-0901	5.06	0.03	0.23	0.009	46.1	1.2
SRS-0902	8.11	0.03	0.66	0.032	15.3	0.63
SRS-0903	5.65	0.02	0.10	0.005	24.8	1.0
SRS-0904	5.16	0.01	0.084	0.005	4.7	0.34
SRS-0905	6.85	0.04	0.39	0.03	41.0	1.9

¹ Statistics based on five soil replicates, analyzed in triplicate.

*“..soil analysis
MAD values were
lower for cycle 8
than in previous
exchanges.”*