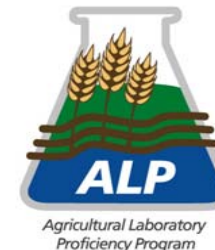


ALP Program

Participant Web Summary Report



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

ALP Program - Fall 2020 Round Overview

The Agriculture Laboratory Proficiency (ALP) Program Fall 2020 (Cycle 43) was completed in November 2020, with participation by 99 labs from the United States, Canada, Guatemala, South Africa, Italy, Ukraine, Romania and the Philippines. Proficiency samples consisted of five soils, four botanical and three water samples. Analytical methods evaluated are based on those published by AOAC, four regional soil work groups, the Soil Plant Analysis Council and Forestry Canada.



Standard Reference Soils (SRS), materials used for the soils program were: SRS2011 a Nicolet clay collected from Badger Cty, IA; SRS2012 a silt loam collected near Coaldale, Alberta, CANADA; SRS2013 an Abernathy silt loam collected from Limestone Cty, AL; SRS2014 a Marlette loam collected from Clinton Cty, MI; and SRS2015 a Mukilteo variant muck collected from Skagit Cty, WA. Standard Reference Botanical (SRB) materials were: SRB2009 olive leaf composite from CA; SRB2010 sorghum leaf composite from KS; SRB2011 citrus leaf composite from CA; and SRB2012 corn stalk leaf composite from IA. Standard Reference Water (SRW) solutions represent agriculture water samples collected from: SRW2007 a canal in CO, SRW2008 a well source in SD, and SRW2009 a river source in SD.

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.

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Discussion of Statistics in ALP Reports

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

Laboratory Statistics:

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

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

Consensus Statistics:

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

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

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

continued on the following page



Discussion of Statistics in ALP Reports

Performance Statistics:

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

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

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

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

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

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

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



Key to Data Tables

Laboratory Results

Sample Mean	arithmetic mean of the three determinations for the sample-property
Z Score	difference divided by the product of the M.A.D. and 1.48 (rounded)
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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Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups														Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	35.9	-0.63	0.15	42.0	-0.60	0.65	32.6	-0.73	0.43	28.1	-0.47	0.17	42.2	-0.86	0.19	
24K3XK	44.3	0.65	1.32	51.3	0.77	0.36	44.0	1.50	0.75	35.3	1.31	0.46	73.7	1.34	0.12	
6UY9BD	44.2	0.62	1.98	46.1	0.00	0.25	40.8	0.88	0.79	39.5	2.34	3.10	64.6	0.70	0.27	
74JYAB	38.7	-0.21	0.50	44.3	-0.26	0.36	34.7	-0.33	0.43	28.0	-0.49	1.39	48.3	-0.44	0.12	
A2YERB	54.0	2.12	0.86	56.7	1.55	0.72	47.0	2.09	1.99	30.0	0.00	0.80	61.0	0.45	0.37	
AM33J8	40.0	-0.01	1.42	43.4	-0.39	0.98	36.1	-0.04	2.03	27.0	-0.73	0.48	42.1	-0.88	0.25	
C2EJ2K	53.9	2.11	1.53	58.3	1.78	1.49	41.9	1.09	0.87	35.0	1.23	1.01	69.3	1.03	0.83	
D8YY6H	42.0	0.30	0.76	51.4	0.77	0.64	39.5	0.63	0.78	30.8	0.20	0.68	54.6	0.00	0.09	
DGNM37	38.3	-0.26	0.50	44.3	-0.26	0.36	36.3	0.00	0.43	30.0	0.00		49.3	-0.37	0.12	
E7H3DH	38.7	-0.21	0.50	47.3	0.18	0.36	36.0	-0.07	0.75	29.3	-0.16	1.22	45.7	-0.62	0.54	
GDUZX8	46.7	1.01	0.51	52.9	0.99	2.26	37.7	0.26	1.73	32.5	0.60	0.28	56.6	0.14	2.22	
GJGQK3	48.2	1.24	0.31	54.2	1.18	0.04	41.4	0.99	0.42	33.9	0.96	0.08	67.0	0.87	0.69	
K4CPX4	36.9	-0.48	0.41	42.7	-0.49	0.55	35.0	-0.27	0.53	27.7	-0.57	0.56	41.6	-0.91	0.38	
KFPPUW	37.0	-0.47	0.86	39.0	-1.04		32.0	-0.85		28.7	-0.33	0.46	44.7	-0.69	0.12	
L2NDYX	48.3	1.25	0.09	50.7	0.67	0.07	35.5	-0.16	0.16	30.8	0.19	0.20	58.9	0.30	0.01	
LXP34X	47.9	1.19		52.3	0.91		39.1	0.54		30.3	0.07		60.3	0.40		
NQRGN8	38.8	-0.19		43.7	-0.35		37.9	0.31		29.7	-0.07		61.7	0.50		
R27F9T	40.1	0.00	0.10	42.3	-0.55	0.06	35.2	-0.22	0.11	27.9	-0.52	0.17	44.7	-0.69	0.04	
RF4PP8	38.2	-0.28		41.3	-0.71		27.2	-1.80		22.8	-1.76		37.5	-1.19		
TDUYZ4	48.2	1.24	0.31	54.2	1.18	0.04	41.4	0.99	0.42	33.9	0.96	0.08	67.0	0.87	0.69	
UZ3RHT	38.2	-0.28	0.69	42.3	-0.55	0.39	32.1	-0.83	1.00	26.1	-0.96	0.47	43.2	-0.79	0.30	
V8XUK6	41.4	0.20	2.11	44.6	-0.21	2.88	33.7	-0.51	1.46	33.0	0.75	1.38	69.5	1.05	3.52	
ZDQKVH	36.5	-0.55	1.24	47.0	0.13	0.13	38.5	0.43	0.67	26.6	-0.83	0.76	48.9	-0.40	0.38	



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Saturated Paste Moisture (SubTestCode 101) in the Salinity Property Groups						Data units: Percent
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	40.1	46.1	36.3	30.0	54.6	
Median Abs Dev	3.2	4.1	2.8	2.3	9.9	
Avg Within Lab SD	1.2	1.6	1.3	1.2	4.7	
Labs Included	23	23	23	23	23	
Labs Reporting	23	23	23	23	23	



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pH - sp (SubTestCode 102) in the Salinity Property Groups															Data units: Unit	
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	6.75	0.19	0.07	7.07	0.38	0.24	5.95	-0.04	0.30	5.40	-0.13	0.65	6.03	0.41	0.49	
24K3XK	6.86	0.90	1.96	6.92	-0.69	0.12	6.25	1.51	2.67	5.69	1.21	2.88	5.96	-0.04	1.77	
2LFVJH	6.74	0.18	0.18	7.28	1.85	1.16	5.92	-0.20	0.08	5.42	0.00	0.28	5.98	0.07	0.16	
6UY9BD	6.58	-0.84	0.69	6.93	-0.64	0.84	5.77	-1.02	0.60	5.30	-0.59	1.47	5.90	-0.44	0.49	
74JYAB	6.75	0.19	0.30	7.02	-0.02	0.61	6.01	0.28	0.85	5.46	0.17	0.62	5.97	0.00	0.49	
A2YERB	6.69	-0.15	0.00	6.92	-0.73	0.12	5.94	-0.11	0.00	5.29	-0.62	0.00	5.92	-0.31	0.18	
AM33J8	6.72	0.01	0.77	6.98	-0.26	1.78	5.95	-0.05	0.47	5.47	0.21	1.87	5.89	-0.48	1.38	
B6YPLP	7.10	2.33		7.26	1.71		7.18	6.44X		6.79	6.29X		6.74	4.81X		
C2EJ2K	6.71	-0.01	0.07	6.97	-0.38	0.12	6.00	0.23	0.30	5.54	0.52	0.65	6.01	0.29	0.66	
D8YY6H	6.80	0.51	0.20	7.09	0.47	0.67	6.04	0.40	0.38	5.55	0.60	0.36	6.11	0.87	0.49	
DGNM37	6.32	-2.41	0.59	6.57	-3.17X	1.88	5.65	-1.64	0.81	4.80	-2.88	0.54	5.61	-2.20	1.12	
E7H3DH	6.63	-0.51	0.54	6.94	-0.54	1.60	5.83	-0.70	0.36	5.34	-0.37	0.95	5.82	-0.89	1.28	
G48283	7.00	1.73		7.10	0.57		6.40	2.32		5.40	-0.11		5.80	-1.04		
GDUZX8	6.87	0.94	0.20	7.14	0.85	0.76	6.08	0.65	0.30	5.65	1.06	0.36	6.18	1.31	1.43	
GJGQK3	6.71	-0.05	0.25	7.00	-0.14	0.21	5.96	0.00	0.41	5.49	0.29	0.48	6.03	0.41	0.97	
K4CPX4	6.73	0.09	1.14	7.05	0.19	1.75	5.80	-0.85	0.54	5.24	-0.86	1.26	5.83	-0.85	1.68	
KFPPUW	6.42	-1.81	0.14	6.77	-1.75	0.24	5.57	-2.04	0.24	5.01	-1.91	0.54	5.57	-2.44	0.80	
L2NDYX	6.68	-0.21	0.12	6.98	-0.31	0.12	5.99	0.18	0.07	5.60	0.80	0.18	6.09	0.79	0.18	
LXP34X	6.59	-0.76		6.88	-0.99		5.96	0.00		5.45	0.12		5.98	0.08		
NQRGN8	6.65	-0.39		7.02	0.00		6.15	1.00		5.64	1.00		6.04	0.46		
R27F9T	6.71	-0.01	0.27	7.03	0.07	0.21	5.85	-0.56	0.07	5.35	-0.36	0.18	5.84	-0.77	1.20	
RF4PP8	6.67	-0.27		7.15	0.92		5.87	-0.48		5.33	-0.43		5.82	-0.91		
T39VT6	7.73	6.13X	5.65	7.82	5.68X	14.54	7.46	7.92X	4.15	7.24	8.34X	5.07	7.26	8.01X	10.10	
V8XUK6	6.91	1.15	3.42	7.14	0.85	2.08	6.20	1.24	2.90	5.67	1.13	0.00	6.04	0.42	1.12	
ZDQKVH	6.80	0.53	0.30	7.19	1.18	1.08	5.96	0.00	0.65	5.39	-0.17	0.36	5.97	0.04	0.66	



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pH - sp (SubTestCode 102) in the Salinity Property Groups	Data units: Unit					
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	6.72	7.02	5.96	5.42	5.97	
Median Abs Dev	0.07	0.08	0.09	0.11	0.07	
Avg Within Lab SD	0.08	0.05	0.09	0.03	0.03	
Labs Included	24	23	23	23	23	
Labs Reporting	25	25	25	25	25	



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ECe - sp (SubTestCode 103) in the Salinity Property Groups															Data units: dS/m		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
2363EV	3.40	1.34	1.70	1.93	0.95	0.54	1.36	1.30	1.39	1.57	0.65	0.88	3.97	0.80	0.55		
24K3XK	2.98	0.21	1.03	1.68	-0.10	0.17	1.13	-0.28	0.22	1.38	-0.26	0.43	2.84	-1.17	0.20		
2LFBVJH	3.07	0.44	0.07	1.53	-0.77	0.15	1.12	-0.33	0.16	1.23	-0.99	0.10	2.82	-1.21	0.10		
6UY9BD	2.84	-0.17	1.04	1.82	0.47	1.42	1.11	-0.42	0.64	1.26	-0.82	2.62	2.89	-1.09	0.53		
74JYAB	2.77	-0.35	0.16	1.71	0.02	0.58	1.20	0.19	0.33	1.46	0.11	0.75	3.41	-0.18	0.27		
A2YERB	2.75	-0.40	0.03	1.71	0.00	0.01	1.01	-1.13	0.01	1.58	0.72	0.02	3.63	0.20	0.00		
AM33J8	2.59	-0.84	0.82	1.51	-0.84	0.17	1.01	-1.14	1.31	1.36	-0.36	1.50	3.70	0.33	1.29		
B6YPLP	2.68	-0.60		1.63	-0.33		1.03	-0.98		0.93	-2.42		2.59	-1.61			
C2EJ2K	2.77	-0.35	0.42	1.69	-0.07	1.05	1.18	0.05	0.76	1.42	-0.07	1.31	3.31	-0.35	1.13		
D8YY6H	2.88	-0.06	0.63	1.59	-0.50	0.21	1.13	-0.30	0.73	1.40	-0.16	0.99	3.30	-0.38	0.18		
DGNM37	3.06	0.43	0.56	1.71	0.00	0.12	1.19	0.12	0.15	1.44	0.04	0.24	3.44	-0.13	0.42		
E7H3DH	3.04	0.36	0.21	1.64	-0.28	0.20	1.17	0.01	0.80	1.43	-0.04	1.78	3.71	0.35	0.70		
G48283	3.20	0.79		1.90	0.84		1.30	0.91		1.20	-1.13		4.00	0.85			
GDUZX8	2.63	-0.74	0.44	1.56	-0.65	0.96	1.16	-0.10	1.14	1.23	-1.00	1.16	2.97	-0.94	2.51		
GJGQK3	3.15	0.65	0.69	1.76	0.23	0.19	1.20	0.23	0.50	1.52	0.41	0.00	3.51	0.00	1.09		
K4CPX4	3.01	0.29	0.31	1.63	-0.35	0.41	1.13	-0.31	0.48	1.56	0.61	0.35	3.88	0.64	0.34		
KFPPUW	3.07	0.45	0.33	1.89	0.79	0.38	1.27	0.68	0.13	1.49	0.27	0.25	3.74	0.39	0.17		
L2NDYX	2.89	-0.03	0.12	1.86	0.66	0.11	1.34	1.16	0.13	1.52	0.43	0.14	3.63	0.21	0.08		
LXP34X	3.28	1.01		2.01	1.31		1.33	1.12		1.70	1.28		3.80	0.50			
NQRGN8	2.16	-2.00		1.43	-1.20		1.09	-0.56		1.32	-0.55		2.97	-0.95			
R27F9T	3.02	0.32	0.73	1.76	0.25	0.28	1.17	0.00	0.57	1.49	0.29	0.14	3.80	0.49	0.87		
RF4PP8	5.57	7.15X		2.23	2.27		2.20	7.20X		1.79	1.69		6.86	5.84X			
T39VT6	3.30	1.06	3.30	1.78	0.32	0.44	1.28	0.75	1.40	1.49	0.28	0.23	3.99	0.84	1.05		
UZ3RHT	2.91	0.00	0.98	1.80	0.39	0.11	1.28	0.79	1.04	1.55	0.56	0.52	3.67	0.26	0.37		
V8XUK6	2.29	-1.65	0.87	1.29	-1.79	3.94	0.89	-1.93	2.93	1.21	-1.09	1.33	2.62	-1.57	2.63		
ZDQKVH	2.04	-2.33	0.53	1.21	-2.15	0.11	0.87	-2.10	1.13	1.16	-1.32	0.89	2.69	-1.43	0.28		



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ECe - sp (SubTestCode 103) in the Salinity Property Groups						Data units: dS/m
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	2.91	1.71	1.17	1.43	3.51	
Median Abs Dev	0.16	0.11	0.08	0.11	0.29	
Avg Within Lab SD	0.10	0.09	0.05	0.04	0.15	
Labs Included	25	26	25	26	25	
Labs Reporting	26	26	26	26	26	



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HCO3 -sp (SubTestCode 104) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2363EV	1.43	-0.93	0.48	1.53	-0.72	0.16									
6UY9BD	1.23	-1.16	0.17	1.38	-0.95	0.34	0.25	-0.48	0.45	0.32	-0.70	0.46	0.82	-1.50	0.80
74JYAB	2.27	0.08	1.15	2.33	0.48	0.66	0.40	0.00	0.00	0.47	-0.28	0.66	1.20	-0.90	1.46
D8YY6H	2.13	-0.08	0.47	2.02	0.00	0.17	0.36	-0.11	0.22	0.17	-1.10	0.09	1.19	-0.92	0.50
GDUZX8	2.83	0.76	0.45	2.70	1.02	1.17	0.94	1.72	0.09	1.00	1.20	0.74	2.45	1.08	1.36
KFPPUW	3.89	2.03	0.64	3.42	2.10	0.65	0.89	1.56	0.35	0.71	0.39	0.28	2.52	1.20	0.48
R27F9T	2.20	0.00	0.00	2.00	-0.02		0.40	0.00	0.00	0.80	0.65	0.00	1.80	0.05	0.00
T39VT6	1.42	-0.93	0.14	1.61	-0.61	0.19	0.20	-0.63	0.06	0.28	-0.80	0.10	2.28	0.81	0.42
UZ3RHT	2.33	0.16	0.69	2.14	0.19	0.19	0.39	-0.03	0.51	0.43	-0.39	0.55	1.85	0.14	0.66
V8XUK6	2.64	0.53	2.83	2.45	0.66	2.60	1.00	1.89	2.89	0.91	0.96	2.88	1.70	-0.10	1.89
ZDQKVH	1.57	-0.76	0.29	1.57	-0.67	0.87	0.50	0.32		0.67	0.28	0.33	1.73	-0.05	0.84

HCO3 -sp (SubTestCode 104) in the Salinity Property Groups						Data units: mmolc/L				
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	2.20		2.02		0.40		0.57		1.77	
Median Abs Dev	0.63		0.44		0.13		0.24		0.54	
Avg Within Lab SD	0.20		0.17		0.16		0.17		0.14	
Labs Included	11		11		10		10		10	
Labs Reporting	11		11		10		10		10	



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K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmol/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	0.29	-0.01	0.63	0.92	0.47	1.63	0.83	0.27	0.64	0.45	-0.10	0.46	2.37	0.22	0.49	
24K3XK	0.20	-2.00	0.00	0.70	-1.63	0.00	0.67	-1.56	2.28	0.40	-1.16	0.00	1.57	-2.39	0.35	
2LFVJH	0.21	-1.73	0.79	0.73	-1.34	0.12	0.54	-2.96X	0.33	0.37	-1.75	1.08	0.60	-5.55X	0.06	
6UY9BD	0.29	0.00	0.56	0.81	-0.54	1.91	0.72	-0.96	1.18	0.42	-0.75	1.05	1.66	-2.08	0.73	
B6YPLP	0.24	-1.01		0.82	-0.45		0.75	-0.59		0.38	-1.68		2.07	-0.75		
C2EJ2K				0.76	-1.02	1.83	0.74	-0.77	0.60	0.42	-0.82	1.21	2.03	-0.87	0.33	
D8YY6H	0.28	-0.21	1.10	0.85	-0.15	0.24	0.81	0.05	0.70	0.46	0.17	1.62	2.30	0.01	0.27	
DGNM37	0.28	-0.10	0.45	0.85	-0.21	0.24	0.80	-0.05	0.31	0.46	-0.01	0.50	2.14	-0.51	0.08	
GJGQK3	0.29	0.00	0.56	0.89	0.19	0.54	0.79	-0.12	0.99	0.47	0.28	1.05	2.21	-0.28	0.74	
KFPPUW	0.31	0.48	0.71	0.90	0.31	1.38	0.91	1.17	1.13	0.51	1.03	0.70	2.44	0.44	0.51	
L2NDYX	0.27	-0.31	0.56	0.91	0.42	0.65	0.87	0.75	0.00	0.48	0.49	1.05	2.31	0.03	0.06	
LXP34X	0.33	1.00		0.96	0.87		0.82	0.18		0.50	0.90		2.33	0.10		
NQRGN8	0.31	0.54		0.63	-2.35		0.60	-2.38		0.42	-0.75		1.56	-2.41		
R27F9T	0.27	-0.38	0.00	0.85	-0.22	0.36	0.79	-0.12	0.46	0.49	0.63	0.60	2.32	0.05	0.13	
RF4PP8	0.38	2.26		0.92	0.53		1.06	2.90X		0.46	0.00		2.60	0.96		
T39VT6	0.35	1.37	2.89	0.99	1.13	1.02	0.93	1.43	1.39	0.84	7.85X	55.62	2.34	0.13	3.10	
TDUYZ4	0.29	0.00	0.56	0.89	0.16	0.48	0.81	0.10	0.82	0.48	0.56	0.60	2.30	0.00	1.07	
UZ3RHT	0.29	0.09	0.68	0.89	0.15	0.43	0.83	0.29	0.02	0.47	0.39	1.66	2.23	-0.23	0.58	

K - sp (SubTestCode 105) in the Salinity Property Groups														Data units: mmol/L		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	0.29			0.87			0.80			0.46			2.30		
Median Abs Dev	0.02			0.05			0.04			0.03			0.09			
Avg Within Lab SD	0.01			0.03			0.03			0.01			0.17			
Labs Included	17			18			16			17			17			
Labs Reporting	17			18			18			18			18			



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Ca - sp (SubTestCode 106) in the Salinity Property Groups

Data units: mmolc/L

WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2363EV	24.8	0.65	1.59	12.4	0.34	0.96	8.7	0.31	0.90	8.6	0.16	0.49	37.1	0.69	0.84
24K3XK	18.6	-1.24	1.38	9.6	-1.32	0.20	6.4	-1.49	0.43	6.6	-1.17	0.13	21.9	-1.29	0.08
2LFVJH	23.5	0.23	0.22	11.8	0.00	0.17	7.2	-0.89	0.82	6.3	-1.35	0.30	24.7	-0.92	0.17
6UY9BD	20.5	-0.68	0.72	10.9	-0.52	1.27	6.9	-1.08	0.80	6.9	-0.94	3.07	24.2	-0.98	1.26
74JYAB	23.1	0.11	0.35	12.9	0.63	0.13	8.6	0.24	0.34	8.6	0.20	0.39	33.5	0.23	0.28
A2YERB	21.5	-0.37	0.03										36.3	0.59	0.09
AM33J8	22.7	0.00	1.18	12.5	0.40	0.52	8.6	0.23	0.14	9.8	0.98	1.61	37.3	0.73	0.71
B6YPLP	19.3	-1.02		11.0	-0.46		6.9	-1.08		4.9	-2.29		21.5	-1.34	
C2EJ2K	18.9	-1.15	2.15	10.3	-0.91	0.94	7.6	-0.55	0.55	7.5	-0.54	0.83	28.8	-0.39	0.78
D8YY6H	24.4	0.50	1.10	12.4	0.35	0.47	9.3	0.78	0.82	9.4	0.73	0.37	36.9	0.68	0.26
DGNM37	23.4	0.22	0.80	11.3	-0.28	0.23	8.5	0.15	0.56	8.7	0.23	0.08	32.5	0.09	0.25
GDUZX8	18.7	-1.22	0.37	10.5	-0.75	0.79	8.1	-0.15	1.22	6.5	-1.20	0.27	26.1	-0.74	2.87
GJGQK3	22.4	-0.09	0.38	11.5	-0.21	0.26	8.0	-0.26	1.02	8.2	-0.09	0.98	30.1	-0.21	0.98
KFPPUW	23.3	0.19	0.93	12.6	0.43	1.00	9.1	0.65	0.59	8.5	0.13	0.55	35.5	0.49	0.17
L2NDYX	23.9	0.36	0.42	13.2	0.80	0.33	9.8	1.18	0.10	8.9	0.38	0.26	36.2	0.58	0.04
LXP34X	26.5	1.15		13.8	1.16		9.0	0.58		9.5	0.81		36.2	0.58	
NQRGN8	13.9	-2.66		11.3	-0.30		8.1	-0.19		8.0	-0.24		28.1	-0.48	
R27F9T	23.9	0.37	0.35	13.2	0.79	0.20	9.4	0.88	0.09	10.1	1.21	0.30	39.7	1.03	0.21
RF4PP8	34.8	3.67X		15.0	1.89		16.2	6.27X		9.6	0.84		41.7	1.29	
T39VT6	473.0	136.08X	10.37	259.7	145.39X	18.22	182.4	137.86X	26.98	234.4	152.01X	288.08	643.0	79.73X	37.93
TDUYZ4	23.6	0.27	0.93	11.3	-0.28	0.77	8.1	-0.19	0.75	8.1	-0.13	0.13	31.1	-0.09	0.82
UWZUAL	22.4	-0.09		11.9	0.06		8.6	0.23		8.3	0.00		23.9	-1.02	
UZ3RHT	23.6	0.28	1.06	12.8	0.58	0.32	9.4	0.88	1.12	9.1	0.48	0.01	35.3	0.46	0.01
V8XUK6	17.5	-1.56	0.38	8.9	-1.71	3.37	6.4	-1.53	2.80	7.0	-0.86	1.65	24.8	-0.90	2.23
ZDQKVH	19.0	-1.11	1.57	9.5	-1.34	0.27	6.6	-1.31	1.29	7.6	-0.51	0.65	28.9	-0.37	0.63



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Ca - sp (SubTestCode 106) in the Salinity Property Groups						Data units: mmolc/L
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	22.7	11.8	8.29	8.33	31.8	
Median Abs Dev	1.2	0.9	0.78	0.81	4.9	
Avg Within Lab SD	0.6	0.8	0.29	0.39	1.9	
Labs Included	23	23	22	23	24	
Labs Reporting	25	24	24	24	25	



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Mg - sp (SubTestCode 107) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	7.37	0.58	1.63	4.25	0.35	0.83	1.44	0.33	0.55	4.03	0.04	0.33	6.07	0.72	1.01	
24K3XK	5.23	-1.39	1.36	3.00	-1.62		1.00	-1.22		2.90	-1.59	0.00	3.33	-1.81	0.23	
2LFBVJH	5.88	-0.79	0.42	3.27	-1.20	0.23	0.93	-1.46	0.14	2.61	-2.02	0.13	3.65	-1.51	0.26	
6UY9BD	10.00	3.00	0.26	6.10	3.25X	1.90	2.03	2.39	0.48	4.77	1.10	2.65	5.69	0.37	0.59	
74JYAB	6.80	0.05	1.30	4.10	0.11	1.01	1.57	0.76	1.23	4.00	-0.01	0.81	5.53	0.22	0.23	
A2YERB	6.43	-0.29	0.26										5.96	0.62	0.20	
AM33J8	6.67	-0.06	0.98	4.17	0.22	0.32	1.52	0.61	3.39	4.50	0.72	0.75	5.92	0.58	0.27	
B6YPLP	5.86	-0.81		3.70	-0.52		1.07	-0.98		2.32	-2.43		3.55	-1.61		
C2EJ2K	5.50	-1.14	2.22	3.47	-0.89	1.41	1.24	-0.40	0.27	3.44	-0.82	0.92	4.73	-0.52	0.71	
D8YY6H	7.03	0.27	0.86	4.00	-0.04	0.36	1.17	-0.65	0.11	4.29	0.41	0.35	4.95	-0.32	0.36	
DGNM37	6.96	0.20	1.11	3.93	-0.17	0.16	1.47	0.43	0.81	4.01	0.01	0.13	5.26	-0.03	0.42	
GDUZX8	5.60	-1.05	0.22	3.57	-0.73	1.03	1.29	-0.20	0.74	3.06	-1.36	1.06	4.43	-0.80	2.83	
GJGQK3	6.76	0.02	0.59	3.78	-0.40	0.29	1.18	-0.59	0.47	3.72	-0.41	0.51	5.02	-0.25	1.25	
KFPPUW	6.72	-0.02	0.85	4.03	0.00	0.64	1.41	0.21	0.24	3.81	-0.29	0.27	5.37	0.07	0.20	
L2NDYX	6.88	0.12	0.42	4.67	1.00	0.30	1.70	1.21	0.12	4.26	0.37	0.15	5.97	0.63	0.14	
LXP34X	7.74	0.92		4.59	0.88		1.37	0.07		4.21	0.29		5.60	0.29		
NQRGN8	4.21	-2.33		3.35	-1.07		1.35	0.00		3.81	-0.28		4.77	-0.48		
R27F9T	6.87	0.12	0.38	4.35	0.51	0.29	1.75	1.38	0.33	4.67	0.96	0.24	6.88	1.47	0.42	
RF4PP8	10.46	3.42X		5.19	1.82		2.69	4.67X		4.55	0.79		7.01	1.59		
T39VT6	6.99	0.23	0.53	4.52	0.77	0.95	1.45	0.36	0.56	4.48	0.69	2.28	5.59	0.27	0.32	
TDUYZ4	6.83	0.08	0.74	4.07	0.07	0.32	1.22	-0.45	0.28	4.08	0.11	0.31	5.35	0.05	0.63	
UWZUAL	7.15	0.38		4.25	0.34		1.44	0.31		3.96	-0.07		4.30	-0.92		
UZ3RHT	6.63	-0.10	0.57	4.13	0.16	0.13	1.33	-0.06	0.52	4.10	0.13	0.45	5.29	0.00	0.56	
V8XUK6	5.35	-1.28	0.27	3.07	-1.51	3.18	1.05	-1.05	1.32	3.44	-0.81	1.31	3.94	-1.25	2.08	
ZDQKVH	5.70	-0.96	1.72	3.30	-1.15	0.38	1.23	-0.41	0.62	3.67	-0.49	0.94	4.77	-0.48	1.62	



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Mg - sp (SubTestCode 107) in the Salinity Property Groups						Data units: mmolc/L
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	6.74	4.03	1.35	4.01	5.29	
Median Abs Dev	0.36	0.33	0.13	0.31	0.56	
Avg Within Lab SD	0.15	0.26	0.09	0.25	0.25	
Labs Included	24	23	23	24	25	
Labs Reporting	25	24	24	24	25	



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Na - sp (SubTestCode 108) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	0.42	1.06	0.23	0.30	0.55	0.16	0.28	0.70	0.35	0.59	0.59	0.16	0.85	1.23	0.36	
24K3XK	0.43	1.19	3.14	0.38	1.28	1.98	0.43	2.17	2.16	0.59	0.66	0.60	0.59	-0.88	1.98	
2LFBVJH	0.38	0.66	0.08	0.25	0.04	0.33	0.16	-0.40	0.18	0.37	-1.74	0.25	0.60	-0.87	0.13	
6UY9BD	0.44	1.21	1.03	0.32	0.68	0.62	0.28	0.75	1.19	0.46	-0.75	0.49	0.66	-0.31	0.25	
74JYAB	0.33	0.19	1.15	0.30	0.51	0.00	0.33	1.22	1.65	0.53	0.00	1.37	0.60	-0.84	0.00	
A2YERB	0.30	-0.17	0.23										0.77	0.54	0.07	
AM33J8	0.31	-0.03	0.83	0.25	0.04	0.62	0.23	0.24	1.33	0.59	0.65	0.60	0.75	0.41	0.50	
B6YPLP	0.26	-0.51		0.22	-0.31		0.16	-0.40		0.33	-2.21		0.57	-1.13		
C2EJ2K				0.23	-0.19					0.45	-0.93	0.49	0.64	-0.51	0.24	
D8YY6H	0.24	-0.69	0.24	0.15	-1.03	0.07	0.11	-0.88	0.09	0.47	-0.63	0.29	0.65	-0.39	0.45	
DGNM37	0.40	0.86	0.36	0.30	0.51	0.95	0.32	1.05	1.24	0.56	0.30	0.35	0.74	0.36	0.37	
GDUZX8	0.50	1.86	2.11	0.16	-0.90	1.77	0.17	-0.29	1.32	0.44	-1.05	2.88	0.63	-0.57	0.82	
GJGQK3	0.30	-0.10	0.12	0.23	-0.22	0.17	0.18	-0.19	0.17	0.50	-0.39	0.36	0.69	-0.07	0.50	
KFPPUW	0.46	1.43	0.17	0.50	2.51	2.36	0.39	1.79	1.39	0.64	1.14	0.32	0.85	1.26	0.19	
L2NDYX	0.28	-0.33	0.00	0.23	-0.19	0.00				0.51	-0.22	0.14	0.75	0.40	0.21	
LXP34X				0.34	0.91					0.58	0.50					
NQRGN8	0.17	-1.42		0.42	1.71		0.20	-0.07		0.60	0.69		0.70	-0.04		
R27F9T	0.30	-0.14	0.00	0.24	-0.06	0.17	0.22	0.13	0.17	0.58	0.47	0.14	0.82	0.98	0.12	
RF4PP8	0.54	2.23		0.34	0.87		0.39	1.72		0.55	0.18		1.01	2.54		
T39VT6	0.32	0.03	0.32	0.24	-0.04	0.29	0.20	-0.02	0.39	0.56	0.30	0.77	0.73	0.24	0.69	
TDUYZ4	0.29	-0.20	0.12	0.22	-0.26	0.17	0.18	-0.22	0.00	0.50	-0.39	0.14	0.71	0.04	0.35	
UWZUAL	0.93	6.06X		0.52	2.71		0.40	1.84		0.81	2.98X		0.70	-0.01		
UZ3RHT	0.32	0.10	1.04	0.21	-0.38	0.43	0.20	-0.05	0.23	0.59	0.63	0.05	1.01	2.54	1.14	
V8XUK6	0.28	-0.30	0.29	0.23	-0.15	0.53	0.20	0.00	0.89	0.47	-0.73	0.92	0.70	0.01	3.51	
ZDQKVH	0.30	-0.14	0.00	0.23	-0.16	1.72	0.20	-0.03	0.00	0.50	-0.36	2.37	0.70	-0.01	0.00	



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Na - sp (SubTestCode 108) in the Salinity Property Groups	Data units: mmolc/L				
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015
Grand Median	0.31	0.25	0.20	0.53	0.70
Median Abs Dev	0.04	0.04	0.04	0.06	0.06
Avg Within Lab SD	0.05	0.03	0.03	0.04	0.08
Labs Included	22	24	21	23	24
Labs Reporting	23	24	21	24	24



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SAR - sp (SubTestCode 109) in the Salinity Property Groups														Data units: value		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
24K3XK	0.12	0.51	2.37	0.15	1.00	1.84	0.22	2.02	1.64	0.27	1.33	0.67	0.17	0.00	2.21	
6UY9BD	0.11	0.14	1.19	0.11	0.24	0.42	0.13	0.42	0.41	0.22	0.36	1.87	0.16	-0.10	0.27	
74JYAB	0.10	0.00	0.00	0.10	-0.06	0.00	0.13	0.48	2.35	0.20	-0.10	0.00	0.10	-1.90	0.00	
A2YERB	0.08	-0.43	0.00										0.17	0.10	0.00	
C2EJ2K										0.20	-0.17	0.34	0.15	-0.38	0.27	
D8YY6H	0.06	-0.83	0.19	0.05	-1.19	0.06	0.05	-0.99	0.07	0.18	-0.47	0.33	0.14	-0.68	0.36	
DGNM37	0.11	0.14	0.33	0.11	0.09	0.84	0.14	0.65	0.85	0.22	0.36	0.34	0.17	0.00	0.27	
GDUZX8	0.14	0.97	1.76	0.06	-0.97	1.76	0.08	-0.45	0.84	0.20	-0.13	3.03	0.16	-0.11	0.54	
GJGQK3										0.20	-0.04	0.34	0.17	0.00	0.27	
KFPPUW	0.31	4.50X	0.42	0.90	18.19X	3.21	0.91	13.75X	1.16	0.51	5.88X	0.39	2.44	64.76X	3.92	
L2NDYX										0.20	-0.10	0.00	0.16	-0.29	0.27	
LXP34X				0.11	0.16					0.22	0.29					
NQRGN8	0.07	-0.65		0.16	1.19		0.09	-0.25		0.25	0.88		0.17	0.10		
R27F9T	0.10	0.00	0.00	0.10	-0.06	0.00	0.10	-0.09	0.00	0.30	1.85	0.00	0.20	0.95	0.00	
RF4PP8	0.11	0.30		0.11	0.06		0.13	0.35		0.21	0.04		0.20	1.08		
T39VT6	0.02	-1.72	0.07	0.02	-1.86	0.07	0.02	-1.45	0.06	0.05	-2.96	0.48	0.04	-3.60	0.05	
TDUYZ4										0.20	-0.10	0.00	0.16	-0.10	0.27	
UWZUAL	0.24	3.04		0.18	1.76		0.18	1.28		0.33	2.44		0.19	0.67		
UZ3RHT	0.08	-0.36	0.82	0.07	-0.69	0.41	0.09	-0.34	0.20	0.23	0.50	0.11	0.22	1.64	1.00	
V8XUK6	0.08	-0.35	0.21	0.10	-0.12	1.57	0.11	0.00	0.38	0.20	-0.04	0.44	0.18	0.47	2.88	

SAR - sp (SubTestCode 109) in the Salinity Property Groups														Data units: value		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	0.10			0.10			0.11			0.21			0.17			
Median Abs Dev	0.02			0.02			0.03			0.02			0.01			
Avg Within Lab SD	0.02			0.01			0.02			0.02			0.02			
Labs Included	14			14			13			18			18			
Labs Reporting	15			15			14			19			19			



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CI - sp (SubTestCode 110) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	0.70	0.22	0.39	0.37	0.10	0.78	0.37	0.00	1.57	0.63	0.35	0.53	1.21	0.50	0.27	
24K3XK	0.67	0.09	1.26	0.33	-0.14	1.34	0.33	-0.31	1.07	0.47	-0.49	1.53	0.83	-0.55	0.44	
2LFBVJH	0.39	-0.97	0.06	0.15	-1.43	0.93	0.16	-1.65	0.21	0.28	-1.43	0.61	0.71	-0.90	0.22	
6UY9BD	0.56	-0.34	0.44	0.37	0.11	1.66	0.35	-0.17	0.82	0.46	-0.52	0.65	0.72	-0.85	1.10	
74JYAB	0.59	-0.20	0.60	0.31	-0.32	0.88	0.47	0.73	1.16	0.58	0.09	0.27	0.99	-0.11	0.38	
A2YERB	0.66	0.06	0.00				0.41	0.27	0.00				1.04	0.02	0.00	
AM33J8	0.45	-0.76	0.06	0.26	-0.65	0.23	0.31	-0.46	0.47	0.49	-0.39	0.67	1.03	0.00	0.38	
C2EJ2K													0.86	-0.48	0.51	
D8YY6H	0.80	0.60	0.17	0.47	0.84	0.11	0.32	-0.42	0.10	0.25	-1.60	0.13	0.49	-1.48	0.03	
DGNM37	0.63	-0.04	0.34	0.35	-0.02	0.60	0.43	0.41	0.42	0.57	0.04	0.84	0.90	-0.37	0.17	
GDUZX8	0.40	-0.94	0.93	0.30	-0.37	2.04	0.31	-0.49	2.73	0.37	-1.00	1.46	0.68	-0.96	0.81	
GJGQK3	1.28	2.46	0.71							1.74	6.05X	0.85	1.43	1.10	1.38	
K4CPX4	0.68	0.13	0.53	0.45	0.69	1.19	0.47	0.76	0.14	0.67	0.56	2.50	1.08	0.14	0.50	
KFPPUW	0.58	-0.23	0.13	0.36	0.02	0.28	0.42	0.38	0.32	0.55	-0.04	0.03	0.90	-0.36	0.23	
L2NDYX	0.63	-0.05	0.38							0.67	0.55	1.22	1.35	0.88	0.19	
LXP34X	0.73	0.33		0.45	0.69		0.51	1.03		0.82	1.32		1.47	1.20		
R27F9T	0.33	-1.22	0.17	0.13	-1.54	0.13	0.21	-1.24	0.00	0.43	-0.66	0.31	0.36	-1.84	0.23	
RF4PP8	1.27	2.41		0.62	1.89		1.04	5.09X		0.85	1.45		1.44	1.11		
T39VT6	0.65	0.04	1.01				0.46	0.66	1.28	0.67	0.56	0.69	1.12	0.24	1.92	
UZ3RHT	0.82	0.68	0.96	0.42	0.46	0.90	0.48	0.80	0.36	0.69	0.66	0.43	1.46	1.18	0.52	
V8XUK6	0.24	-1.54	3.71	0.27	-0.59	0.64	0.33	-0.35	1.19	0.52	-0.22	0.58	1.05	0.06	3.18	
WAYHEK	0.70	0.21	0.13	0.46	0.74	0.33	0.52	1.10	0.13	0.64	0.38	0.20	1.34	0.85	0.34	
ZDQKVH	0.30	-1.33	0.00	0.13	-1.54	1.34	0.17	-1.57	1.07	0.33	-1.17	1.53	0.90	-0.37	1.32	



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Cl - sp (SubTestCode 110) in the Salinity Property Groups						Data units: mmolc/L
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	0.64	0.35	0.37	0.56	1.03	
Median Abs Dev	0.09	0.09	0.06	0.11	0.20	
Avg Within Lab SD	0.09	0.04	0.05	0.04	0.13	
Labs Included	22	18	19	20	23	
Labs Reporting	22	18	20	21	23	



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SO4 - sp (SubTestCode 111) in the Salinity Property Groups														Data units: mmolc/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
24K3XK	1.13	-1.99	0.95	1.10	0.00	0.00	0.57	0.12	1.45	0.60	0.00	0.00	7.80	-1.45	0.38	
6UY9BD	1.45	-0.19	0.74	1.12	0.11	1.50	0.49	-0.84	1.16	0.59	-0.10	2.53	8.11	-1.28	0.63	
74JYAB	1.55	0.34	0.83	1.18	0.51	0.70	0.71	1.89	0.63	0.68	0.63	0.83	10.44	-0.02	0.45	
A2YERB	1.40	-0.49	0.00				0.52	-0.40	0.15				10.48	0.00	0.01	
AM33J8	1.79	1.71	0.87	1.29	1.28	0.76	0.71	1.88	0.16	0.92	2.44	0.91	12.13	0.90	0.30	
C2EJ2K	1.33	-0.88	0.59	0.93	-1.12	0.89	0.56	0.04	0.91	0.46	-1.06	0.52	8.37	-1.14	0.78	
D8YY6H	1.55	0.33	0.65	1.05	-0.34	0.12	0.55	-0.09	0.48	0.53	-0.56	0.72	10.56	0.05	0.26	
DGNM37	1.46	-0.13	0.41	1.07	-0.23	0.39	0.55	-0.04	2.67	0.53	-0.53	0.50	9.40	-0.58	0.18	
GDUZX8	1.39	-0.56	0.07	0.88	-1.44	0.74	0.54	-0.25	0.54	0.46	-1.02	1.44	8.43	-1.11	1.95	
GJGQK3	2.99	8.46X	2.98										14.92	2.40X	2.48	
KFPPUW	1.63	0.81	0.60	1.26	1.05	0.78	0.58	0.26	1.12	0.72	0.88	0.73	11.35	0.47	0.16	
L2NDYX	1.52	0.19	0.44	1.14	0.26	0.29	0.61	0.64	0.25	0.60	-0.03	0.39	11.00	0.28	0.15	
LXP34X	1.75	1.48		1.43	2.18		0.70	1.73		0.71	0.83		12.00	0.82		
R27F9T	1.54	0.32	0.19	1.16	0.40	0.29	0.51	-0.56	0.00	0.73	0.98	0.26	12.50	1.09	0.14	
RF4PP8	3.04	8.73X		1.65	3.63X		1.00	5.39X		0.77	1.26		13.35	1.55		
T39VT6	1.61	0.71	2.52	1.15	0.30	1.64	0.62	0.73	0.77	1.96	10.27X	62.00	11.57	0.59	3.23	
UZ3RHT	1.50	0.09	0.70	1.10	-0.02	0.21	0.60	0.51	0.05	0.63	0.21	0.51	10.47	0.00	0.19	
V8XUK6	1.21	-1.56	0.66	0.94	-1.09	2.47	0.53	-0.34	0.10	0.54	-0.47	0.84	6.24	-2.29X	3.70	
WAYHEK	1.47	-0.09	1.28	1.06	-0.26	0.80	0.50	-0.74	0.78	0.57	-0.22	0.17	9.74	-0.40	0.15	
ZDQKVH	1.43	-0.30	1.90	0.97	-0.88	0.97	0.47	-1.08	1.45	0.63	0.25	1.49	9.73	-0.40	0.30	

SO4 - sp (SubTestCode 111) in the Salinity Property Groups														Data units: mmolc/L		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	1.49			1.10			0.56			0.60			10.5			
Median Abs Dev	0.07			0.06			0.04			0.07			1.1			
Avg Within Lab SD	0.06			0.06			0.04			0.04			0.7			
Labs Included	18			17			18			17			18			
Labs Reporting	20			18			19			18			20			



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NO3 - sp (SubTestCode 112) in the Salinity Property Groups													Data units: mmolc/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2363EV	30.2	1.34	1.50	14.5	0.40	0.45	10.4	0.56	0.22	12.8	0.86	0.58	25.5	0.48	0.70
24K3XK	24.5	-0.05	0.79	9.3	-1.59	2.68	6.6	-1.56	2.98	10.9	0.00	0.13	18.3	-1.20	0.40
2LFBVJH	24.9	0.05	0.45	13.5	0.03	0.10	9.5	0.02	0.10	9.4	-0.67	0.24	20.9	-0.59	0.31
6UY9BD	21.7	-0.73	0.60	12.3	-0.46	0.24	8.4	-0.57	0.39	9.3	-0.73	1.03	17.7	-1.32	1.19
C2EJ2K	20.4	-1.04	1.32	10.2	-1.25	0.54	8.2	-0.69	0.43	10.3	-0.30	0.73	20.8	-0.61	0.74
DGNM37	29.7	1.21	0.52	14.8	0.52	0.15	10.5	0.57	0.18	12.9	0.91	0.20	27.8	1.04	0.47
GJGQK3	56.3	7.65X	0.61	22.9	3.65X	0.31	22.3	7.07X	1.28	34.1	10.67X	0.28	39.1	3.69X	3.93
KFPPUW	24.7	0.00	0.30	12.9	-0.21	0.17	9.4	-0.04	0.15	10.8	-0.05	0.19	23.4	0.00	0.47
L2NDYX	23.7	-0.24	0.15	13.5	0.00	0.02	10.0	0.29	0.03	12.1	0.57	0.34	24.0	0.15	0.32
LXP34X	26.3	0.39		13.6	0.06		9.4	0.00		12.9	0.92		25.1	0.40	
T39VT6	25.3	0.14	1.29	15.1	0.64	1.07	11.4	1.10	0.79	14.4	1.59	2.51	24.3	0.21	1.94
UZ3RHT	26.1	0.35	0.65	14.3	0.31	0.03	10.4	0.52	0.56	12.9	0.91	0.01	25.8	0.58	0.36
V8XUK6	17.9	-1.65	1.60	8.4	-1.94	1.67	6.8	-1.45	1.09	9.4	-0.69	1.25	16.6	-1.59	2.18
ZDQKVH	18.2	-1.56	1.35	9.9	-1.36	0.55	6.9	-1.40	0.72	9.7	-0.55	1.38	20.9	-0.59	0.36

NO3 - sp (SubTestCode 112) in the Salinity Property Groups													Data units: mmolc/L		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	24.7			13.5			9.43			10.9			23.4		
Median Abs Dev	1.6			1.2			1.04			1.5			2.5		
Avg Within Lab SD	1.2			1.8			1.21			0.8			1.3		
Labs Included	13			13			13			13			13		
Labs Reporting	14			14			14			14			14		



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B - sp (SubTestCode 113) in the Salinity Property Groups														Data units: mg/L		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV													0.201	-2.55	0.18	
24K3XK													0.600	-0.18	0.00	
2LFBVJH	0.136	2.55	0.66	0.257	6.47X	1.27	0.136	2.57	0.41	0.168	2.35	0.25	1.180	3.26X	0.30	
6UY9BD	0.037	-0.13	1.01	0.027	-0.39	0.78	0.057	-0.97	0.59	0.047	-0.49	1.52	0.457	-1.04	0.35	
74JYAB	0.117	2.02	1.01	0.160	3.58	2.35	0.180	4.55X	1.03	0.187	2.79	0.76	0.830	1.18	0.61	
AM33J8	0.041	0.00	1.94	0.046	0.17	1.33	0.071	-0.33	2.66	0.065	-0.06	1.74	0.672	0.24	0.36	
C2EJ2K													0.613	-0.11	0.70	
D8YY6H													0.425	-1.22	1.74	
DGNM37	0.069	0.73	0.27	0.063	0.69	0.14	0.097	0.85	0.26	0.086	0.43	0.86	0.687	0.33	0.23	
KFPPUW	0.058	0.45	0.20	0.053	0.39	0.13	0.091	0.57	0.17	0.079	0.26	0.16	0.770	0.82	0.06	
L2NDYX													0.770	0.82	2.81	
R27F9T	0.039	-0.05	0.20	0.033	-0.19	0.39	0.080	0.07	0.00	0.070	0.06	0.00	0.737	0.63	0.13	
RF4PP8	0.004	-1.00		0.016	-0.70		0.052	-1.18		0.033	-0.82		0.649	0.11		
T39VT6							0.078	0.00	0.94	0.056	-0.26	0.07	0.742	0.66	1.39	
UZ3RHT	0.036	-0.14	0.70	0.034	-0.17	0.54	0.071	-0.35	0.05	0.053	-0.34	0.39	0.611	-0.12	0.19	
V8XUK6	0.053	0.30	0.12	0.049	0.26	0.10	0.079	0.01	0.07	0.074	0.15	0.19	0.544	-0.52	0.89	
ZDQKVH	0.040	-0.04	1.75	0.033	-0.19	0.78	0.067	-0.52	1.18	0.063	-0.10	2.01	0.587	-0.26	0.35	

B - sp (SubTestCode 113) in the Salinity Property Groups														Data units: mg/L		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	0.041			0.040			0.078			0.068			0.63			
Median Abs Dev	0.011			0.011			0.012			0.013			0.10			
Avg Within Lab SD	0.006			0.007			0.010			0.008			0.04			
Labs Included	11			10			11			12			16			
Labs Reporting	11			11			12			12			17			



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Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
24K3XK	1.13	0.23	0.47	0.88	0.65	1.33	0.47	1.15	1.85	0.47	0.94	1.09	2.08	1.86	1.34	
6UY9BD	1.02	-0.37	1.46	0.78	0.00	0.79	0.33	-0.56	1.68	0.31	-0.60	0.40	1.04	0.28	0.39	
9R3QM9	1.05	-0.19	0.00	0.72	-0.40	0.00	0.38	0.00	0.00	0.40	0.25	0.00	1.28	0.64	0.00	
9TB43P	0.99	-0.50	3.17	0.44	-2.22	0.41	0.39	0.08	0.78	0.37	0.00	1.61	1.32	0.70	0.53	
ADGXB8	1.24	0.83	0.82	0.81	0.18	0.27	0.42	0.53	0.87	0.37	0.00	3.64	0.74	-0.18	0.89	
CQFLG7	1.00	-0.44	0.27	0.70	-0.53	0.71	0.35	-0.33	0.43	0.28	-0.85	0.52	0.39	-0.72	0.19	
DGNM37	0.68	-2.15	0.37	0.83	0.30	0.31	0.40	0.22	0.45	0.54	1.52	0.80	1.85	1.51	0.37	
FDXZK3	1.39	1.63	0.27	1.01	1.44	0.56	0.49	1.31	0.22	0.35	-0.25	0.20	0.26	-0.91	0.22	
GDUZX8	1.01	-0.40	0.65	0.85	0.46	2.23	0.32	-0.76	0.07	0.20	-1.65	0.18	0.84	-0.03	0.72	
GZ7XFF	1.03	-0.31	0.68	0.64	-0.94	2.97	0.34	-0.45	0.92	0.37	-0.02	0.89	1.17	0.47	0.34	
HPYFHH	1.39	1.59	0.24	0.92	0.90	0.15	0.54	1.92	0.57	0.55	1.67	0.41	2.19	2.03	0.07	
KFPPUW	1.31	1.17	0.14	0.85	0.45	0.16	0.49	1.31	0.22	0.50	1.19		1.93	1.64	4.12	
KWEZGY	0.25	-4.43X	0.14	0.45	-2.14	0.27	0.33	-0.62	0.99	0.36	-0.09	0.52	0.43	-0.65	0.19	
M3AH8V	1.16	0.39	1.69	0.48	-1.97	0.41	0.26	-1.48	0.00	0.25	-1.16	2.07	0.51	-0.53	0.76	
M9G9A2	1.12	0.19	0.05	0.82	0.25	0.14	0.37	-0.18	0.02	0.30	-0.65	0.09	0.89	0.04	0.12	
MDDWQ9	0.88	-1.12	1.95	0.66	-0.81	2.26	0.34	-0.45	0.22	0.22	-1.47	0.20	0.88	0.03	0.27	
MJXRUX	1.01	-0.43	0.59	0.69	-0.60	0.27	0.30	-1.03	0.57	0.39	0.16	0.34	0.83	-0.05	0.38	
NQRGN8	1.11	0.14	1.18	0.77	-0.10	0.41	0.39	0.10	0.76	0.30	-0.69	0.34	0.46	-0.61	1.15	
PDLNWV	1.19	0.52	0.18	0.80	0.12	0.39	0.41	0.36	0.16	0.39	0.14	0.03	1.08	0.33	0.44	
TBQ79Q	1.00	-0.46		0.60	-1.17	0.00	0.30	-0.99	0.00	0.30	-0.69	0.00	0.20	-1.01	0.00	
UWZUAL	1.06	-0.14	0.47	0.85	0.45	0.87	0.42	0.53	0.94	0.45	0.72	0.90	1.08	0.33	0.60	
V8XUK6	1.22	0.72	0.33	0.81	0.20	0.90	0.42	0.51	0.13	0.42	0.43	0.67	0.67	-0.30	0.75	
WGX44Z	1.35	1.40	1.17	0.83	0.30	0.81	0.50	1.48	3.75	0.43	0.56	0.20	0.52	-0.52	0.13	
WKGY8R	1.14	0.28	0.23	0.80	0.11	0.27	0.37	-0.12	0.38	0.49	1.10	0.68				
YUWR9Y	1.00	-0.44	0.18	0.75	-0.19	0.21	0.32	-0.69	0.52	0.47	0.88	0.28	1.29	0.65	1.33	
YZ8JZK	1.20	0.59	0.45	0.75	-0.21	0.94	0.41	0.41	0.48	0.39	0.15	0.22	0.14	-1.09	0.19	



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Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ZDQKVH	0.92	-0.89	0.47	0.61	-1.13	0.78	0.33	-0.62	0.38	0.33	-0.41	0.34	0.57	-0.44	0.13	

Soil EC (1:1) (SubTestCode 114) in the Soil pH & EC Property Groups					Data units: dS/m					
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	1.09		0.78		0.38		0.37		0.86	
Median Abs Dev	0.09		0.07		0.04		0.07		0.37	
Avg Within Lab SD	0.04		0.04		0.03		0.03		0.08	
Labs Included	26		27		27		27		26	
Labs Reporting	27		27		27		27		26	



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Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	0.74	0.46	1.02	0.40	-1.22	0.50	0.25	-0.38	0.32	0.22	-0.53	0.42	1.17	0.62	0.33	
3MQX6G	0.73	0.35	1.64	0.49	0.19	0.87	0.26	-0.05	0.90	0.25	0.07	1.01	1.17	0.62	0.38	
3TU2TU	0.71	-0.06	0.84	0.51	0.42	0.00	0.24	-0.66	0.69	0.16	-1.93	1.43	0.63	-1.02	0.22	
6ARZUT	0.68	-0.44	1.68	0.46	-0.35	0.63	0.27	0.24	0.69	0.25	0.00		0.89	-0.23	1.20	
7G8X2D	0.65	-0.94	0.15	0.45	-0.55	1.44	0.23	-0.83	1.44	0.21	-0.79	0.25	0.83	-0.42	0.43	
7HHZMC	0.66	-0.79	0.04	0.45	-0.52	0.06	0.24	-0.50	0.74	0.20	-1.08	0.21	0.98	0.03	0.18	
7JYWFB	0.74	0.47	0.43	0.54	0.92	0.13	0.25	-0.37	0.76	0.27	0.43	0.45	1.13	0.50	0.45	
83L6NQ	0.75	0.72	1.51	0.50	0.32	1.31	0.31	1.13	1.19	0.28	0.55	1.43	0.75	-0.66	0.41	
8EWH6Q	0.83	1.96	0.08	0.54	0.89	0.06	0.33	1.50	0.18	0.30	1.06	0.14	0.49	-1.44	0.02	
99MGL9	0.63	-1.33	0.00	0.42	-0.94	0.00	0.22	-1.02	0.00	0.24	-0.12	0.00	0.74	-0.68	0.00	
9NGA6N	0.66	-0.80	0.94	0.42	-1.03	0.25	0.24	-0.53	1.03	0.22	-0.60	0.75	0.44	-1.60	0.11	
DGNM37	0.67	-0.64	1.24	0.46	-0.36	1.12	0.26	0.02	0.72	0.25	-0.01	0.75	1.04	0.21	0.32	
FF3TDF	0.70	-0.16	0.40	0.48	-0.11	0.16	0.26	-0.02	0.07	0.25	-0.08	0.19	1.06	0.27	0.26	
GDUZX8	0.70	-0.24	2.23	0.56	1.17	1.41	0.21	-1.24	1.43	0.14	-2.28	1.65	0.50	-1.40	0.41	
GL63J9	0.75	0.61	0.90	0.58	1.45	2.48	0.13	-3.37X	0.27	0.11	-2.89X	0.50	0.20	-2.32X	0.30	
HPYFHH	0.74	0.57	0.32	0.52	0.65	0.28	0.30	0.96	0.12	0.31	1.14	0.37	0.96	-0.03	4.76	
KFPPUW	0.71	0.00	0.00	0.48	-0.04	0.00	0.27	0.15	0.00	0.26	0.28	0.72	1.09	0.36	0.07	
KWEZGY	0.25	-7.61X	0.42	0.45	-0.50	0.63	0.33	1.62	3.15	0.36	2.34X	1.89	0.43	-1.61	0.19	
L2NDYX	0.80	1.48	0.89	0.63	2.27	1.56	0.33	1.66	1.74	0.34	1.81	2.22	1.25	0.85	0.13	
LM4YVY	0.90	3.11X	0.42	0.59	1.71	2.03	0.33	1.54	0.69	0.28	0.69	1.89	0.88	-0.27	0.69	
LXP34X	0.73	0.34	1.48	0.51	0.37	0.55	0.28	0.32	0.77	0.26	0.28	0.44	1.12	0.47	0.26	
MZMZPB	0.76	0.87	0.28	0.53	0.78	0.11	0.28	0.49	0.07	0.28	0.52	0.86	1.11	0.44	0.06	
NB3ATU	0.65	-0.93	1.53	0.44	-0.59	1.73	0.25	-0.29	0.18	0.24	-0.20	0.19	1.03	0.18	0.20	
P4J7LR	0.74	0.56	0.42	0.45	-0.45	0.73	0.25	-0.33		0.19	-1.31	0.72	0.55	-1.25	0.15	
P7ZVHA	0.72	0.21	0.08	0.48	0.00	0.19	0.28	0.45	0.52	0.26	0.28	0.38	1.06	0.29	0.06	
VLHAPP	0.70	-0.20	0.15	0.49	0.12	0.66	0.28	0.34	0.30	0.27	0.35	0.37	1.14	0.53	0.06	



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Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015			
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
ZDQKVH	0.61	-1.72	1.11	0.46	-0.30	0.96	0.23	-0.90	0.69	0.23	-0.48	1.89	0.45	-1.55	0.07	

Soil EC (1:2) (SubTestCode 115) in the Soil pH & EC Property Groups														Data units: dS/m		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	0.71			0.48			0.26			0.25			0.97			
Median Abs Dev	0.03			0.03			0.02			0.03			0.17			
Avg Within Lab SD	0.01			0.02			0.01			0.01			0.08			
Labs Included	25			27			26			25			26			
Labs Reporting	27			27			27			27			27			



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pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	6.88	-0.21	0.53	7.22	-0.52	0.39	6.15	-0.03	1.40	5.45	-2.12	0.41	6.03	-1.41	0.54	
24K3XK	6.91	0.00	0.12	7.15	-1.20	1.27	6.44	2.47	4.12	5.91	1.83	0.16	5.90	-2.12	1.39	
26QKWF	7.01	0.97	0.24	7.42	1.26	0.30	6.25	0.86	0.19	5.83	1.12	0.54	6.37	0.55	0.37	
4FN8YW	7.10	1.79	0.12	7.66	3.36X	0.00	6.51	3.10X	0.00	6.52	7.04X	0.81	6.30	0.13	0.12	
6ARZUT	6.93	0.21	0.63	7.31	0.28	2.09	6.23	0.69	0.33	5.78	0.66	0.16	6.38	0.63	1.65	
6QYWED	7.01	0.94	0.56	7.25	-0.25	1.46	6.13	-0.14	1.22	5.62	-0.66	1.58	6.32	0.27	1.12	
6UY9BD	6.78	-1.12	0.32	7.19	-0.78	1.32	5.97	-1.52	0.11	5.53	-1.46	0.27	6.06	-1.24	0.33	
7HHZMC	6.89	-0.18	0.24	7.33	0.40	0.15	6.13	-0.20	0.11	5.69	-0.11	0.16	6.69	2.39	0.22	
7JCQTQ	6.83	-0.67	0.32	7.21	-0.64	0.26	6.17	0.20	0.11	5.68	-0.17	0.27	6.26	-0.08	0.22	
7JYWFB	6.69	-1.94	2.03	7.10	-1.58	0.83	6.02	-1.15	0.89	5.76	0.52	2.74	6.05	-1.26	0.12	
8LWXTD	6.90	-0.03	0.80	7.31	0.22	1.04	6.23	0.66	0.29	5.83	1.12	0.54	6.32	0.27	0.78	
99MGL9	6.80	-0.97	0.76	7.17	-1.02	0.39	6.07	-0.66	0.22	5.58	-1.03	0.98	6.32	0.25	0.12	
9D2ERA	6.56	-3.18X	0.85	7.03	-2.27	0.59	6.17	0.20	2.19	5.57	-1.15	0.95	6.05	-1.30	0.97	
9R3QM9	6.87	-0.33	0.00	7.28	-0.01	0.00	6.08	-0.60	0.00	5.70	0.00	0.00	6.28	0.04	0.00	
9TB43P	6.90	-0.06	2.11	7.27	-0.13	1.48	6.10	-0.43	0.00	5.77	0.57	1.56	6.27	-0.04	2.50	
ADGXB8	6.96	0.49	1.52	7.24	-0.37	1.36	6.25	0.89	2.40	5.74	0.37	0.62	6.22	-0.32	2.13	
ATQMM M	6.90	-0.06	0.00	7.30	0.16	0.00	6.13	-0.14	1.11	5.70	0.00	0.00	6.40	0.73	0.00	
C2EJ2K	6.99	0.79	0.80	7.32	0.31	0.90	6.17	0.14	0.29	5.66	-0.37	0.41	6.15	-0.69	1.30	
CGPZB9	6.91	0.03	0.37	7.34	0.49	0.30	6.13	-0.14	0.29	5.70	-0.03	0.41	6.27	-0.02	0.22	
CQFLG7	6.95	0.36	0.12	7.33	0.46	0.53	6.13	-0.14	0.29	5.68	-0.17	0.72	6.32	0.27	0.94	
DGNM37	6.94	0.27	1.06	7.21	-0.67	1.71	6.27	1.06	1.55	5.86	1.37	2.82	6.08	-1.09	0.97	
EMRQQJ	6.86	-0.45	1.69	7.33	0.40	3.09	6.26	0.92	1.35	5.87	1.43	2.57	6.31	0.19	1.95	
FDXZK3	6.86	-0.39	0.12	7.25	-0.25	0.15	6.08	-0.60	0.19	5.66	-0.34	0.72	6.31	0.23	0.12	
GDUZX8	6.95	0.36	0.95	7.31	0.28	0.53	6.20	0.46	0.68	5.77	0.57	0.62	6.35	0.44	0.00	
GZ7XFF	6.85	-0.52	0.73	7.27	-0.07	0.39	6.00	-1.29	0.33	5.66	-0.37	0.31	6.06	-1.24	0.45	



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pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
HHZTR4	6.80	-0.97	1.05	7.19	-0.78	1.16	6.08	-0.57	0.68	5.68	-0.17	0.81	6.33	0.32	0.65	
HPYFHH	7.03	1.12	1.52	7.42	1.26	0.74	6.49	2.90	0.78	5.88	1.55	0.72	6.19	-0.46	0.33	
J9ARMD	6.77	-1.27	0.44	7.17	-0.96	0.30	6.00	-1.32	0.49	5.57	-1.12	0.27	6.13	-0.80	0.33	
KFPPUW	6.89	-0.18	0.12	7.24	-0.37	0.44	6.05	-0.83	0.56	5.58	-1.06	0.41	6.07	-1.18	0.70	
KR4MZ2	6.80	-1.00	0.95	7.34	0.52	0.93	6.16	0.06	0.45	5.72	0.17	0.00	6.33	0.31	0.82	
KWEZGY	5.50	-12.79X		7.07	-1.91	1.48	6.00	-1.29		4.90	-6.87X	0.00	8.00	9.90X		
L2NDYX	7.11	1.82	0.12	7.40	1.05	0.26	6.22	0.63	0.29	5.72	0.14	0.41	6.18	-0.54	0.22	
LM4YVY	6.84	-0.61	0.21	7.27	-0.13	0.53	6.17	0.14	0.45	5.73	0.29	0.41	6.28	0.02	0.54	
LXP34X	6.82	-0.82	0.32	7.16	-1.08	0.00	6.15	0.03	1.95	5.63	-0.63	1.54	6.13	-0.82	0.65	
M3AH8V	7.07	1.46	1.22	7.53	2.24	1.48	6.20	0.43	1.93	5.77	0.57	1.56	6.23	-0.23	2.50	
M9G9A2	7.01	0.96	0.04	7.39	0.93	0.12	6.22	0.58	0.06	5.74	0.36	0.11	6.25	-0.16	0.09	
MDDWQ9	6.84	-0.61	0.21	7.07	-1.91	0.83	6.01	-1.18	0.29	5.57	-1.12	0.27	6.20	-0.40	0.54	
MJXRUX	6.93	0.24	1.22	7.27	-0.13	1.48	6.10	-0.43	0.00	5.70	0.00	0.00	6.30	0.15	0.00	
NB3ATU	6.95	0.39	0.42	7.30	0.19	0.39	6.16	0.11	0.22	5.70	-0.03	0.68	6.12	-0.86	0.50	
NQRGN8	6.84	-0.61	1.05	7.26	-0.16	1.41	6.17	0.14	1.06	5.75	0.43	1.62	6.54	1.51	1.41	
P2R88U	6.77	-1.27	0.32	7.00	-2.47	0.39	5.97	-1.58	1.06	5.67	-0.23	0.68	6.28	0.04	0.43	
P4J7LR	6.87	-0.36	0.24	7.28	0.01	0.39	6.12	-0.26	0.19	5.69	-0.09	0.27	6.27	0.00	0.45	
P7ZVHA	6.94	0.33	0.44	7.26	-0.19	0.26	6.16	0.11	0.22	5.88	1.52	0.62	6.69	2.41	1.96	
PDLNWV	6.90	-0.03	1.36	7.31	0.28	1.07	6.12	-0.26	1.26	5.67	-0.23	0.31	6.28	0.06	0.70	
QCABRY	7.00	0.85		7.30	0.16	0.00	6.20	0.43	0.00	5.73	0.29	1.56	6.30	0.15	0.00	
RHQ78T	7.05	1.27	0.95	7.35	0.58	0.97	6.17	0.20	0.29	5.76	0.52	0.27	6.26	-0.08	0.78	
RXJYQ9	8.14	11.22X	0.42	8.38	9.79X	0.90	7.78	14.08X	0.11	7.39	14.49X	0.31	7.57	7.41X	0.33	
TBQ79Q	7.00	0.85		7.40	1.05	0.00	6.20	0.43	0.00	5.80	0.86	0.00	6.40	0.73	0.00	
UWZUAL	6.99	0.73	0.64	7.28	-0.01	0.68	6.21	0.55	0.49	5.74	0.34	1.24	6.21	-0.36	0.65	
UZ3RHT	7.03	1.15	1.22	7.37	0.76	1.48	6.30	1.29	0.00	5.80	0.86	0.00	6.50	1.30		
V8XUK6	6.76	-1.37	4.49	7.25	-0.26	1.94	5.91	-2.10	0.35	5.59	-0.96	1.05	5.97	-1.75	2.63	



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pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
WGX44Z	7.10	1.76	0.00	7.57	2.53	1.48	6.33	1.58	1.11	5.93	2.00	1.56	6.50	1.30		
WKGY8R	6.88	-0.24	0.76	7.24	-0.34	1.21	6.04	-0.95	0.70	5.56	-1.20	0.47				
XTAQRQ	6.90	-0.06	0.00	7.30	0.16	0.00	6.17	0.14	1.11	5.77	0.57	1.56	6.27	-0.04	1.25	
YUWR9Y	6.98	0.64	0.32	7.27	-0.07	0.15	6.12	-0.26	0.51	5.67	-0.26	0.54	6.05	-1.28	0.22	
YZ8JZK	6.91	0.06	0.53	7.30	0.19	1.04	6.12	-0.29	0.78	5.76	0.52	0.72	6.35	0.46	0.25	
ZDQKVH	6.87	-0.33	0.21	7.29	0.04	0.53	6.09	-0.55	0.59	5.66	-0.37	0.41	6.08	-1.13	0.33	
ZNMQPF	6.97	0.58	0.21	7.38	0.84	0.59	6.11	-0.34	0.39	5.68	-0.14	0.41	6.28	0.04	0.00	
ZP6HYZ	6.95	0.39	0.21	7.35	0.61	0.44	6.04	-0.95	0.19	5.67	-0.26	0.27	6.04	-1.36	0.12	
ZWGWJG	7.01	0.94	0.21	7.38	0.87	0.26	6.21	0.55	0.11	5.94	2.06	1.62	6.45	1.01	1.63	

pH (1:1) Water (SubTestCode 116) in the Soil pH & EC Property Groups															Data units: Unit	
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	6.91			7.28			6.15			5.70			6.27		
Median Abs Dev	0.07			0.05			0.06			0.06			0.08			
Avg Within Lab SD	0.05			0.04			0.05			0.04			0.05			
Labs Included	57			58			58			57			57			
Labs Reporting	60			60			60			60			59			



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pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	6.88	-0.90	0.78	7.21	-1.57	2.12	6.17	-0.45	1.91	5.43	-2.23	1.60	6.12	-1.09	1.20	
26QKWF	7.14	0.27	0.26	7.55	0.95	0.32	6.38	0.94	0.20	5.96	0.76	0.44	6.50	1.43	0.31	
3MQX6G	7.17	0.37	1.88	7.42	-0.04	1.45	6.18	-0.36	1.16	5.70	-0.71	0.38	6.13	-1.07	0.28	
3TU2TU	7.03	-0.25	0.57	7.43	0.04	0.11	6.46	1.47	1.24	5.96	0.76	1.23	6.38	0.60	0.10	
6DEHCD	6.69	-1.73	0.47	7.16	-1.92	0.60	6.06	-1.21	1.00	5.67	-0.90	1.22	6.27	-0.11	1.10	
7G8X2D	7.30	0.96	2.25	7.43	0.09	2.86	7.00	5.05X	9.08	6.67	4.76X	10.22	6.40	0.76	3.13	
8EWH6Q	7.15	0.30	0.22	7.56	1.00	0.11	6.27	0.19	0.11	5.82	-0.01	0.13	6.34	0.38	0.10	
9NGA6N	6.70	-1.70	2.25	6.73	-5.11X	1.08	6.10	-0.92	0.00	5.80	-0.14	0.00	6.47	1.20	1.04	
B6YPLP	6.88	-0.92	0.57	7.20	-1.65	0.37	5.95	-1.93	1.16	5.94	0.63	1.22	6.50	1.43	1.36	
C2EJ2K	7.09	0.04	0.13	7.50	0.56	0.47	6.25	0.08	0.59	5.83	0.01	0.56	6.27	-0.13	0.42	
DGNM37	6.93	-0.67	1.13	7.17	-1.89	1.10	6.15	-0.61	1.46	5.63	-1.08	0.56	6.12	-1.11	0.18	
FB8284	7.17	0.37	0.69	7.51	0.63	1.38	6.30	0.43	0.64	5.88	0.29	0.34	6.29	0.00	0.91	
GDUZX8	7.08	0.00	1.63	7.47	0.36	0.56	6.34	0.70	1.19	5.93	0.61	0.64	6.48	1.31	0.45	
GJGQK3	7.11	0.13	0.13	7.41	-0.06	0.22	6.24	-0.01	0.11	5.80	-0.16	0.46	6.23	-0.38	0.00	
GL63J9	6.86	-0.99	0.09	7.41	-0.09	0.29	6.15	-0.61	0.13	6.25	2.42	3.11	6.34	0.37	1.59	
HPYFHH	7.26	0.77	0.47	7.62	1.45	0.22	6.60	2.40	1.21	6.06	1.31	0.68	6.36	0.51	0.73	
KFPPUW	6.87	-0.93	0.85	7.39	-0.24	0.32	6.21	-0.17	0.50	5.72	-0.59	0.38	6.20	-0.56	0.75	
L2NDYX	7.21	0.56	0.22	7.42	0.01	0.47	6.24	0.01	0.20	5.83	0.01	0.34	6.29	0.00	0.21	
LXP34X	7.02	-0.30	0.13	7.42	-0.04	0.39	6.25	0.10	2.21	5.81	-0.07	0.89	6.22	-0.42	0.55	
MZMZPB	7.43	1.56	0.13	7.54	0.90	0.54	6.34	0.70	0.30	5.89	0.39	0.26	6.17	-0.76	0.38	
RXJYQ9	8.47	6.18X	0.34	8.69	9.42X	0.00	8.01	11.73X	0.61	7.65	10.32X	0.22	7.83	10.32X	0.18	
ZDQKVH	6.99	-0.43	0.57	7.42	-0.01	0.00	6.21	-0.21	0.11	5.75	-0.41	0.13	6.21	-0.53	0.28	



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pH (1:2) Water (SubTestCode 117) in the Soil pH & EC Property Groups						Data units: Unit
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	7.08	7.42	6.24	5.83	6.29	
Median Abs Dev	0.13	0.06	0.08	0.11	0.08	
Avg Within Lab SD	0.04	0.05	0.05	0.05	0.06	
Labs Included	21	20	20	20	21	
Labs Reporting	22	22	22	22	22	



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pH (1:1) 0.01M CaCl ₂ (SubTestCode 118) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	6.81	1.01	0.29	7.16	1.18	0.21	5.90	0.34	0.75	5.42	0.37	0.37	6.22	1.28	3.02	
6UY9BD	6.64	-0.89	1.09	6.90	-1.41	2.00	5.68	-1.84	1.70	5.23	-0.81	1.34	5.92	-1.17	0.26	
7HHZMC	6.70	-0.25	0.29	7.04	0.02	0.00	5.77	-0.96	0.00	5.35	-0.04	0.00	6.22	1.31	0.00	
7JCQTQ	6.69	-0.36	0.29	7.01	-0.28	0.36	5.86	-0.03	0.30	5.31	-0.29	0.32	6.02	-0.39	0.10	
83L6NQ	6.71	-0.13	0.76	7.03	-0.12	0.91	5.83	-0.38	0.69	5.35	-0.04	0.56	6.08	0.11	0.88	
ATQMM M	6.80	0.89	2.88	7.10	0.61	0.00	5.87	0.03	1.73	5.53	1.10	1.86	6.03	-0.25	0.99	
CGPZB9	6.73	0.13	0.66	7.07	0.35	0.55	5.83	-0.38	0.46	5.36	0.00	0.67	6.07	0.08	0.43	
DGNM37	6.68	-0.51	0.88	6.84	-2.01	1.83	6.03	1.71	1.08	5.54	1.16	1.46	5.95	-0.92	0.65	
GDUZX8	6.74	0.17	1.83	7.02	-0.18	2.21	5.88	0.20	1.73	5.40	0.29	1.04	6.13	0.53	0.65	
KFPPUW	6.56	-1.84	0.58	6.86	-1.78	0.96	5.70	-1.71	0.62	5.15	-1.29	0.32	5.86	-1.70	0.30	
NQRGN8	6.67	-0.59	0.58	6.99	-0.51	0.55	5.87	0.03	0.46	5.45	0.56	1.46	6.13	0.59	0.60	
P4J7LR	6.74	0.21	0.29	7.06	0.22	0.73	5.87	0.03	0.35	5.36	0.02	0.32	6.09	0.20	0.26	
QCABRY	6.80	0.89	0.00	7.10	0.61	0.00	6.03	1.74	1.73	6.80	8.98X	0.00	6.07	0.03	0.99	
RHQ78T	6.79	0.74	0.33	7.08	0.38	0.55	5.89	0.24	0.86	5.96	3.73	1.66	5.98	-0.73	0.36	
VLHAPP	6.64	-0.89	0.44	7.04	-0.02	0.55	5.79	-0.75	0.30	5.31	-0.31	0.37	5.89	-1.48	1.55	
ZNMQPF	6.83	1.27	0.33	7.15	1.11	0.36	5.82	-0.41	0.35	5.34	-0.10	0.56	6.06	-0.03	0.17	

pH (1:1) 0.01M CaCl ₂ (SubTestCode 118) in the Soil pH & EC Property Groups														Data units: Unit		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	6.72			7.04			5.86			5.36			6.06			
Median Abs Dev	0.06			0.04			0.04			0.05			0.07			
Avg Within Lab SD	0.03			0.03			0.03			0.03			0.06			
Labs Included	16			16			16			15			16			
Labs Reporting	16			16			16			16			16			



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pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
2363EV	6.94	0.97	0.65	7.14	0.48	1.02	5.87	0.73	0.35	5.31	-0.16	0.19	6.07	0.43	1.45	
24K3XK	6.80	0.00	0.60	6.52	-3.97X	1.43	5.98	2.16	1.05	5.71	6.12X	0.50	5.86	-1.44	1.16	
6QYWED	6.90	0.68	0.89	7.09	0.14	1.39	5.81	0.00	1.16	5.28	-0.73	0.66	6.06	0.34	0.44	
8EWH6Q	6.88	0.55	0.26	7.18	0.77	0.18	5.85	0.56	0.13	5.36	0.63	0.09	6.08	0.55	0.00	
9TB43P	6.47	-2.19	1.49	6.87	-1.46	1.83	5.70	-1.42	0.00	5.40	1.20	2.84	6.13	1.04	1.66	
C2EJ2K	6.86	0.40	0.60	7.11	0.29	0.64	5.80	-0.09	0.27	5.31	-0.21	0.16	6.02	0.00	0.50	
DGNM37	6.67	-0.82	2.16	6.79	-1.99	0.18	5.80	-0.09	2.64	5.34	0.21	0.77	5.87	-1.34	1.20	
KFPPUW	6.69	-0.71	0.00	6.98	-0.65	0.55	5.71	-1.25	0.35	5.20	-1.99	0.19	5.88	-1.31	0.33	
L2NDYX	6.81	0.07	0.39	7.08	0.10	0.37	5.81	0.04	0.48	5.33	0.16	0.34	6.04	0.18	0.29	
LXP34X	6.67	-0.84	1.34	6.96	-0.79	1.65	5.74	-0.95	0.97	5.25	-1.20	0.81	5.97	-0.46	0.76	
NB3ATU	6.77	-0.20	0.39	7.06	-0.10	0.18	5.82	0.13	0.23	5.34	0.26	0.16	5.98	-0.34	1.47	

pH (1:2) 0.01M CaCl2 (SubTestCode 119) in the Soil pH & EC Property Groups														Data units: Unit		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	6.80			7.07			5.81			5.32			6.02			
Median Abs Dev	0.10			0.08			0.04			0.03			0.05			
Avg Within Lab SD	0.04			0.03			0.04			0.06			0.03			
Labs Included	11			10			11			10			11			
Labs Reporting	11			11			11			11			11			



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pH (1:1) 1.0MKCl (SubTestCode 1192) in the Soil pH & EC Property Groups														Data units: Unit	
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
B6YPLP	6.32		0.85	6.62		0.16	5.34		0.94	5.16		1.22	6.04		0.49
P7ZVHA	6.16		0.33	6.51		0.14	5.30		0.21	4.99		0.70	5.88		0.81
V8XUK6	6.26		1.47	6.53		1.72	5.35		1.44	5.09		1.01	5.90		1.45
pH (1:1) 1.0MKCl (SubTestCode 1192) in the Soil pH & EC Property Groups														Data units: Unit	
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	6.26			6.53			5.34			5.09			5.90		
Median Abs Dev															
Avg Within Lab SD	0.08			0.11			0.05			0.03			0.12		
Labs Included	3			3			3			3			3		
Labs Reporting	3			3			3			3			3		



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Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3MQX6G	0.33		0.40	0.25		1.12	0.12		0.25	0.11		0.30	0.53		0.07	
FB8284	0.32		1.36	0.25		0.86	0.14		1.39	0.13		1.38	0.51		0.18	
WKGY8R													0.90		1.72	
Soil EC (1:5) H2O (SubTestCode 120) in the Soil pH & EC Property Groups														Data units: dS/m		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	0.32			0.25			0.13			0.12			0.53			
Median Abs Dev																
Avg Within Lab SD	0.02			0.01			0.01			0.01			0.20			
Labs Included	2			2			2			2			3			
Labs Reporting	2			2			2			2			3			



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SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6DEHCD	7.16	0.47	1.59	7.25	-0.04	2.33	7.04	0.65	1.94	7.12	1.37	2.22	7.13	1.17	2.19
7HHZMC	6.99	-1.58	0.00	7.13	-1.59	0.00	6.85	-1.61	0.00	6.84	-0.98	0.00	7.12	1.12	0.00
9TB43P	7.17	0.51	1.79	7.30	0.55	0.00	7.00	0.20		7.03	0.65	1.19	6.80	-0.49	0.00
KFPPUW	7.12	0.00	0.65	7.27	0.21	1.08	6.97	-0.20	0.47	6.89	-0.59	0.31	6.77	-0.66	0.57
NB3ATU	7.12	0.00	0.65	7.26	0.00	0.30	6.91	-0.85	0.64	6.88	-0.65	0.21	6.71	-0.93	0.16
P4J7LR	7.11	-0.16	0.31	7.23	-0.34	0.52	6.98	0.00	1.24	6.96	0.00	0.66	6.97	0.36	0.28
RF4PP8	7.29	2.00	0.57	7.42	2.00	0.18	7.08	1.21	0.26	7.01	0.49	0.27	6.90	0.00	1.33

SMP Buffer pH (SubTestCode 122) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	7.12			7.26			6.98			6.96			6.90		
Median Abs Dev	0.04			0.03			0.05			0.08			0.13		
Avg Within Lab SD	0.03			0.02			0.03			0.05			0.04		
Labs Included	7			7			7			7			7		
Labs Reporting	7			7			7			7			7		



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Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	7.16	0.06	0.19	7.28	0.02	0.49	6.94	-0.56	0.25	7.05	0.33	0.34	6.92	-0.74	0.68	
2LFVJH	7.05	-1.33	0.00	7.16	-1.21	0.09	6.88	-1.22	0.00	6.84	-1.51	0.15	6.74	-1.85	0.08	
4FN8YW													6.88	-0.99	0.00	
6QYWED	7.19	0.44	0.67	7.14	-1.48	1.37	7.02	0.17	0.45	6.95	-0.51	2.23	7.07	0.17	0.77	
6UY9BD	7.02	-1.61	1.03	7.23	-0.52	1.37	6.99	-0.10	0.43	6.74	-2.44	1.34	6.83	-1.31	0.64	
74JYAB	7.22	0.90	0.19	7.36	0.87	0.25	7.09	0.86	0.25	7.07	0.56	0.17	6.85	-1.15	0.15	
7JYWFB	7.14	-0.10	0.19	7.27	-0.05	0.43	6.99	-0.13	0.76	6.98	-0.27	0.79	6.78	-1.60	0.51	
99MGL9	7.07	-1.07	0.37	7.18	-1.02	0.00	6.90	-1.00	0.22	6.93	-0.71	0.79	7.11	0.40	0.39	
9QK6NQ	7.26	1.36	0.32	7.38	1.12	0.74	7.14	1.43	0.33	7.15	1.25	0.59	6.93	-0.68	0.68	
CGPZB9	7.16	0.06	0.37	7.28	0.02	0.49	7.00	0.03	0.13	7.00	-0.06	0.45	7.04	0.01	0.30	
CQFLG7	7.24	1.07	0.49	7.35	0.84	0.65	7.11	1.10	0.22	7.01	0.00	0.30	7.11	0.44	0.39	
FDXZK3	7.15	-0.06	0.19	7.25	-0.23	0.65	6.95	-0.53	0.25	7.00	-0.09	0.30	7.01	-0.19	1.17	
GDUZX8	7.12	-0.36	1.86	7.25	-0.27	1.86	7.00	-0.03	1.02	7.02	0.09	1.30	7.01	-0.19	1.42	
GZ7XFF	7.11	-0.56	0.37	7.14	-1.41	0.25	6.95	-0.50	0.22	6.92	-0.83	0.17	6.78	-1.58	0.82	
HHZTR4	7.10	-0.65	0.64	7.25	-0.27	1.28	6.99	-0.10	0.43	7.04	0.27	0.89	7.05	0.05	0.77	
KR4MZ2	7.18	0.31	0.49	7.32	0.52	0.25	7.06	0.56	0.13	7.04	0.27	0.30	7.15	0.68	0.64	
MDDWQ9	7.09	-0.82	3.56	7.37	0.98	1.72	7.14	1.39	0.22	7.21	1.78	0.30	7.21	1.01	1.56	
P4J7LR	7.13	-0.23	0.19	7.24	-0.34	0.25	7.04	0.37	0.13	7.06	0.45	0.30	7.14	0.60	0.26	
PDLNWV	7.27	1.44	0.49	7.40	1.34	0.74	7.15	1.49	0.75	7.17	1.43	0.89	7.17	0.76	0.82	
TBQ79Q	7.20	0.61	0.00	7.30	0.27	0.00	7.00	0.00		7.03	0.21	1.72	7.10	0.36	0.00	
UZ3RHT	7.27	1.44	1.86	7.37	0.98	2.46	7.17	1.66	1.25	7.10	0.80	0.00	7.17	0.76	1.48	
V8XUK6							6.84	-1.60	4.05	6.91	-0.88	2.19	6.97	-0.42	3.56	
WGX44Z	7.20	0.61	0.00	7.40	1.34	0.00	6.93	-0.66	1.25	7.00	-0.09		7.15	0.66	0.00	
XTAQRQ	7.10	-0.65	0.00	7.20	-0.80	0.00	6.90	-1.00	0.00	6.90	-0.98	0.00	6.90	-0.86	0.00	
YZ8JZK	7.14	-0.10	0.98	7.27	-0.02	1.77	7.02	0.23	1.09	6.92	-0.80	1.95	7.04	-0.01	0.51	
ZDQKVH	7.18	0.36	0.32	7.30	0.27	0.43	7.01	0.13	0.13	7.04	0.27	0.00	7.05	0.07	0.15	



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Sikora Buffer pH (SubTestCode 123) in the Buffer pH, Lime Requirement Property Groups						Data units: Unit
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	7.15	7.28	7.00	7.01	7.04	
Median Abs Dev	0.05	0.06	0.06	0.06	0.11	
Avg Within Lab SD	0.03	0.02	0.05	0.03	0.04	
Labs Included	24	24	25	25	26	
Labs Reporting	24	24	25	25	26	



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Sikora Buffer 2 pH (SubTestCode 1232) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
P7ZVHA	7.13		1.00	7.25		1.00	6.94		1.00	6.93		0.24	7.04		0.41
V8XUK6										7.09		1.39	7.09		1.35
Sikora Buffer 2 pH (SubTestCode 1232) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	7.13			7.25			6.94			7.01			7.07		
Median Abs Dev															
Avg Within Lab SD	0.04			0.03			0.06			0.17			0.22		
Labs Included	1			1			1			2			2		
Labs Reporting	1			1			1			2			2		



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Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6UY9BD	6.85	X	0.69	6.94	X	0.58	6.65	X	0.61	6.57	X	2.13	6.63	X	1.40
7HHZMC	7.57		0.40	7.65		0.58	7.59		0.94	7.64		0.32	7.60		0.39
99MGL9	7.54		1.06	7.62		1.67	7.49		0.35	7.59		0.86	7.58		1.55
LM4YVY	7.61		0.80	7.67		0.33	7.62		0.61	7.66		0.97	7.60		0.67
WKGY8R	7.63		1.44	7.66		0.88	7.59		1.62	7.64		1.49			

Adams-Evans Buffer pH (SubTestCode 124) in the Buffer pH, Lime Requirement Property Groups													Data units: Unit		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	7.59			7.66			7.59			7.64			7.60		
Median Abs Dev															
Avg Within Lab SD	0.01			0.02			0.02			0.02			0.01		
Labs Included	4			4			4			4			3		
Labs Reporting	5			5			5			5			4		



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Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	7.06	1.14	0.42	7.18	1.66	0.30	6.97	1.05	0.49	7.02	1.33	0.43	6.97	0.76	0.16	
7HHZMC	6.96	-0.39	0.00	7.07	-0.03	0.00	6.79	-0.24	0.00	6.77	-0.22	0.00	6.80	-0.29	0.00	
CGPZB9	6.87	-1.78	0.84	7.00	-1.08	0.30	6.73	-0.65	0.56	6.72	-0.53	0.37	6.77	-0.46	0.16	
GDUZX8	6.97	-0.25	1.93	7.04	-0.50	1.81	6.64	-1.29	1.56	6.58	-1.37	0.94	6.54	-1.86	1.54	
NQRGN8	7.00	0.25	1.11	7.07	0.03	0.80	6.86	0.24	1.71	6.84	0.22	2.05	6.90	0.29	1.69	
UWZUAL	7.00	0.25	0.42	7.12	0.76	1.38	6.90	0.57	0.28	6.87	0.37	0.77	6.91	0.38	0.84	

Woodruff Buffer pH (SubTestCode 125) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	6.99			7.07			6.82			6.81			6.85			
Median Abs Dev	0.02			0.04			0.08			0.07			0.07			
Avg Within Lab SD	0.01			0.02			0.02			0.03			0.04			
Labs Included	6			6			6			6			6			
Labs Reporting	6			6			6			6			6			



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Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6ARZUT	6.5		0.01				6.4		0.71		6.3		0.62	6.4		0.02
83L6NQ	6.5		0.01	6.6		0.00	6.4		0.40		6.3		0.79	6.3		0.02
NB3ATU	141.0		1.73	78.3		1.41	48.7		1.53		24.6		1.41	62.6		1.73
Mehlich Buffer pH (SubTestCode 126) in the Buffer pH, Lime Requirement Property Groups														Data units: Unit		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	6.54			42.5			6.40			6.29			6.41			
Median Abs Dev																
Avg Within Lab SD	1.00			0.4			0.07			0.04			2.35			
Labs Included	3			2			3			3			3			
Labs Reporting	3			2			3			3			3			



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NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	150.7	0.68	0.26	73.3	-0.51	0.05	49.4	-0.08	0.13	50.5	0.05	0.14	194.2	0.96	0.26	
6DEHCD	91.0	-3.36X	0.25	51.8	-3.77X	0.39	34.4	-3.35X	0.75	33.5	-3.65X	0.35	69.7	-0.79	0.29	
6QYWED	142.4	0.12	0.77	77.3	0.10	0.63	49.7	0.00	0.74	51.0	0.15	0.23	165.2	0.55	0.23	
6UY9BD	163.7	1.55	1.97	85.7	1.38	2.71	49.7	0.00	1.96	55.6	1.15	1.57	66.3	-0.84	0.97	
7G8X2D	110.0	-2.07	1.27	75.0	-0.25	0.30	51.7	0.42	2.53	52.7	0.52	0.59	163.3	0.53	0.84	
7HHZMC	127.7	-0.87	0.28	79.5	0.43	0.35	51.8	0.44	0.62	49.2	-0.24	0.03	165.6	0.56	0.17	
7JYWFB	150.0	0.63	1.10	73.7	-0.45	0.17	53.0	0.71		55.7	1.17	0.36	188.3	0.88	1.17	
99MGL9	130.5	-0.69	0.76	70.1	-0.99	0.12	44.0	-1.26	0.71	43.5	-1.47	0.26	104.7	-0.30	0.96	
9D2ERA	141.2	0.04	0.19	76.6	-0.01	0.32	49.2	-0.11	0.45	50.5	0.05	0.19	183.5	0.81	0.04	
9R3QM9	123.0	-1.19		73.4	-0.49	0.00	48.0	-0.38		49.0	-0.28		157.4	0.44	0.00	
9TB43P	149.0	0.56	0.33	85.5	1.34	1.65	52.6	0.63	0.37	51.3	0.21	0.54	169.0	0.61	0.38	
ADGXB8	139.5	-0.08	2.34	92.2	2.36	2.56	58.6	1.94	2.80	54.1	0.82	2.36	163.9	0.53	3.36	
AM33J8	135.8	-0.33	0.38	73.5	-0.48	0.15	49.5	-0.06	0.40	46.4	-0.84	0.53	110.9	-0.21	1.21	
CQFLG7	128.3	-0.83	0.97	70.7	-0.91	0.62	54.3	1.00	1.03	51.0	0.16	0.62	88.0	-0.53	0.38	
FB8284	132.9	-0.52	0.85	79.9	0.49	1.33	57.2	1.64	0.89	44.3	-1.29	4.73	205.1	1.11	1.06	
FDXZK3	149.7	0.61	0.09	73.6	-0.46	0.35	53.8	0.89	0.37	48.7	-0.35	0.01	82.2	-0.61	0.42	
G48283	146.8	0.41		79.8	0.48		50.5	0.17		53.1	0.61					
GDUZX8	125.9	-1.00	3.16	74.5	-0.33	1.62	56.5	1.47	1.42	53.3	0.65	0.84	73.9	-0.73	1.31	
GL63J9	144.7	0.27	0.20	83.5	1.05	0.53	55.9	1.35	0.00	51.3	0.23	0.17	88.9	-0.52	0.62	
GZ7XFF	148.9	0.56	0.57	83.3	1.01	0.55	49.3	-0.09	0.53	51.0	0.15	0.28	184.7	0.83	0.35	
K4CPX4	133.8	-0.46	0.01	73.3	-0.51	0.18	49.8	0.01	1.30	43.8	-1.40	0.27	99.2	-0.38	1.02	
KFPPUW	130.4	-0.69	0.08	74.0	-0.41	1.77	45.9	-0.84	0.82	44.6	-1.24	0.59	163.6	0.53	2.62	
KWEZGY	15.7	-8.45X	0.07	100.3	3.59X	0.46	31.7	-3.94X	0.28	107.3	12.38X	1.76	34.7	-1.28	0.51	
LM4YVY	108.3	-2.19	0.89	60.2	-2.50	1.96	38.2	-2.52	0.89	41.8	-1.83	0.85	50.5	-1.06	0.97	
LXP34X	128.3	-0.83	0.72	72.4	-0.65	0.73	45.2	-0.98	0.67	45.5	-1.04	0.28	155.0	0.41	1.16	
M3AH8V	136.7	-0.27	0.77	73.3	-0.50	0.76	46.0	-0.81	0.49	48.0	-0.50	0.62	66.3	-0.84	0.66	



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NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M9G9A2	136.2	-0.30	0.20	71.2	-0.83	0.12	41.2	-1.87	0.26	43.9	-1.38	0.11	158.4	0.46	0.46	
MDDWQ9	1.5	-9.41X	0.01	2.5	-11.26X	0.02	7.7	-9.18X	0.25	5.7	-9.67X	0.01	4.4	-1.71	0.02	
MJXRUX	144.4	0.25	0.28	81.6	0.75	0.24	49.3	-0.10	0.19	50.1	-0.05	0.12	117.9	-0.11	0.22	
MZMZPB	143.1	0.17	0.20	84.1	1.13	0.06	52.9	0.69	0.09	52.6	0.50	0.04	198.8	1.02	0.13	
NB3ATU	141.0	0.02	0.22	78.3	0.26	0.18	48.7	-0.23	0.05	24.6	-5.58X	0.01	62.6	-0.89	0.59	
NQRGN8	126.2	-0.98	0.70	76.5	-0.02	2.13	54.8	1.11	1.38	54.8	0.97	1.29	53.8	-1.01	0.31	
P4J7LR	144.0	0.23	0.13	77.3	0.10	0.35	50.0	0.06	0.49	52.3	0.44	0.14	187.0	0.86	0.15	
PDLNWV	150.0	0.63	0.85	78.2	0.24	0.17	49.3	-0.09	0.43	43.1	-1.56	0.11	96.5	-0.41	0.55	
R27F9T	140.7	0.00	0.15	76.3	-0.05	0.17	47.3	-0.52	0.28	48.0	-0.50		179.0	0.75	0.15	
RF4PP8	133.1	-0.51	0.39	78.1	0.22	0.61	50.5	0.16	0.26	48.8	-0.33	0.05	158.7	0.46	0.54	
UWZUAL	155.3	0.99	0.25	89.7	1.99	0.09	52.8	0.67	0.95	52.0	0.37	0.53	126.4	0.01	0.30	
UZ3RHT	133.3	-0.50	0.54	76.3	-0.05	0.09	47.8	-0.41	0.14	48.7	-0.35	0.07	165.8	0.56	0.61	
V8XUK6	158.1	1.18	2.90	76.7	0.00	0.19	53.9	0.90	0.94	54.9	1.00	0.60	52.2	-1.03	2.41	
VLHAPP	131.5	-0.62	0.44	77.4	0.11	0.80	48.7	-0.24	0.16	48.3	-0.44	0.07	125.9	0.00	1.54	
WGX44Z	157.0	1.10	0.13	83.3	1.01	0.92	56.7	1.51	2.22	48.0	-0.50	0.23	65.0	-0.85	0.15	
WKGY8R	153.8	0.89	0.43	85.0	1.26	0.65	51.6	0.41	0.13	52.5	0.47	0.26	194.7	0.97	0.51	
YZ8JZK	151.3	0.72	0.70	79.6	0.44	1.17	48.4	-0.29	0.42	50.6	0.06	0.19	76.6	-0.69	0.34	
ZDQKVH	124.7	-1.08	0.15	69.3	-1.11	0.69	47.0	-0.60	0.49	42.7	-1.65	0.27	97.0	-0.41	1.01	

NO3-N Cd. Rd. (SubTestCode 127) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	140.7			76.7			49.7			50.3			125.9			
Median Abs Dev	9.2			3.2			2.4			2.3			43.7			
Avg Within Lab SD	7.9			3.3			2.0			4.3			6.9			
Labs Included	41			41			41			40			43			
Labs Reporting	44			44			44			44			43			



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NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	148.5	-0.15	0.17	75.4	-0.34	0.23	50.9	0.00	0.15	46.7	-0.41	0.37	36.9	-1.17	0.11	
6ARZUT	157.8	0.15	0.99	97.7	1.08	1.82	54.3	1.16	1.50	55.9	0.70	1.76	220.8	0.64	1.78	
74JYAB	121.2	-1.03	1.60	74.5	-0.39	0.32	48.6	-0.80	1.19	49.3	-0.10	1.29	180.4	0.24	1.27	
9NGA6N	112.7	-1.31	0.95	62.0	-1.19	0.84	34.7	-5.57X	1.15	34.3	-1.89	0.73	74.0	-0.81	0.24	
KR4MZ2	166.0	0.41	0.72	91.9	0.71	0.90	54.1	1.08	0.56	57.1	0.83	0.43	252.8	0.95	0.37	
TBQ79Q	184.0	1.00		86.0	0.34		50.0	-0.32		51.0	0.10	0.63	132.0	-0.24		

NO3-N ISE (SubTestCode 128) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	153.2			80.7			50.9			50.1			156.2			
Median Abs Dev	21.8			8.7			2.4			4.6			73.4			
Avg Within Lab SD	3.0			2.1			2.2			1.6			7.2			
Labs Included	6			6			5			6			6			
Labs Reporting	6			6			6			6			6			



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NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg					
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
D8YY6H	152.8		1.00	81.3		1.00	48.5		1.00	49.0		1.00	203.0		1.00			

NO3-N CTA (SubTestCode 129) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups													Data units: mg/kg					
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	152.8			81.3			48.5			49.0			203.0					
Median Abs Dev																		
Avg Within Lab SD	2.5			1.2			1.0			0.6			6.5					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



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NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	4.9	0.22	0.13	16.1	0.66	0.29	13.7	0.29	0.19	11.8	1.22	0.19	1.2	-0.14	0.27	
3TU2TU	5.4	0.80	0.12	15.3	0.38	0.59	13.2	0.06	0.38	11.8	1.22	0.79	4.0	1.30	0.66	
6QYWED	5.5	0.90	0.61	16.1	0.64	0.97	14.3	0.59	0.56	9.9	0.36	0.56	3.8	1.19	1.16	
6UY9BD	4.7	0.08	0.71	14.1	-0.08	1.49	12.6	-0.26	0.21	12.3	1.46	1.54	0.9	-0.30	0.56	
7G8X2D	5.2	0.61	0.49	18.8	1.61	0.86	14.8	0.82	2.24	14.0	2.30	1.47	1.8	0.13	0.26	
7HHZMC	4.6	-0.03	0.19	15.0	0.27	1.40	13.7	0.30	0.20	11.3	1.00	0.36	1.4	-0.07	0.55	
7JYWFB	6.8	2.21	1.02	11.0	-1.18		9.5	-1.78	0.75	9.4	0.08	0.16	5.0	1.78	0.79	
99MGL9	4.7	0.04	0.29	12.6	-0.60	0.68	11.6	-0.76	0.81	9.9	0.34	1.04	1.4	-0.06	0.45	
9D2ERA	3.8	-0.87	0.20	14.3	0.01	0.55	12.0	-0.55	0.51	8.8	-0.21	0.05	2.5	0.52	2.32	
9R3QM9	3.6	-1.03	0.00	11.9	-0.86	0.00	10.8	-1.15	0.00	8.9	-0.13	0.00	1.5	-0.01	0.00	
9TB43P	5.4	0.82	2.63	18.5	1.52	0.63	14.2	0.52	3.39	8.4	-0.36	1.14	4.0	1.28	0.31	
CQFLG7	4.6	0.00	0.78	15.4	0.40	0.74	13.4	0.16	0.65	9.1	-0.03	0.69	3.1	0.80	0.48	
FDXZK3	4.3	-0.29	0.05	14.3	0.02	0.24	14.4	0.62	0.12	9.6	0.18	0.25	0.8	-0.36	0.24	
GDUZX8	4.7	0.07	3.37	15.9	0.58	3.09	13.7	0.27	0.75	8.1	-0.53	3.14	2.7	0.63	2.76	
KFPPUW	3.9	-0.78	0.24	14.3	-0.01	0.52	14.1	0.50	0.61	10.0	0.40	0.66	1.6	0.03	0.31	
KWEZGY	16.3	11.95X	1.28	5.0	-3.33X		4.7	-4.20X	1.23	6.7	-1.20	0.81	12.7	5.74X	1.80	
M3AH8V	2.9	-1.74	0.46	11.2	-1.11	0.41	10.2	-1.47	0.65	8.6	-0.26	0.86	0.4	-0.55	0.48	
M9G9A2	5.6	0.99	0.38	13.1	-0.41	0.83	12.1	-0.52	0.75	8.9	-0.14	0.74	1.3	-0.10	0.62	
MJXRUX	4.6	0.00	0.13	16.1	0.65	0.21	14.4	0.62	0.65	12.0	1.35	0.08	1.3	-0.12	0.18	
MZMZPB	4.7	0.02	0.97	7.5	-2.45	0.64	8.4	-2.36	0.48	8.9	-0.16	0.19	8.6	3.67	1.01	
NB3ATU	5.5	0.92	0.23	14.4	0.05	0.12	13.5	0.17	0.33	8.4	-0.39	0.19	1.5	0.01	0.24	
NQRGN8	5.4	0.77	0.74	8.7	-1.99	0.73	9.5	-1.78	1.74	8.0	-0.57	0.51	4.1	1.32	1.31	
P4J7LR	4.1	-0.54	0.59	13.8	-0.17	0.54	12.9	-0.11	0.85	7.3	-0.88	0.35	0.7	-0.43	0.18	
UWZUAL	4.5	-0.17	0.13	16.4	0.75	0.31	14.1	0.47	0.12	10.8	0.78	0.08	0.3	-0.62	0.31	
UZ3RHT	3.3	-1.33	0.17	12.8	-0.53	0.27	11.4	-0.86	0.37	7.7	-0.69	0.40	3.4	0.98	2.57	
V8XUK6	4.4	-0.28	1.43	14.2	-0.04	1.46	12.9	-0.13	0.18	9.2	0.00	2.15	0.4	-0.59	0.05	



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NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
VLHAPP	4.0	-0.68	0.46	13.8	-0.18	0.87	13.5	0.17	0.09	12.3	1.48	0.47	2.9	0.70	0.56	
WKGY8R	3.9	-0.71	0.26	15.9	0.57	1.72	13.0	-0.06	1.19	10.9	0.81	1.58	0.3	-0.62	0.31	
ZDQKVH	2.7	-2.01	1.43	11.0	-1.18		10.0	-1.55		7.0	-1.05	0.45	0.4	-0.56	0.78	
NH4 - N (KCl Extr.) (SubTestCode 131) in the Inorganic Nitrogen (NO3-N & NH4-N) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	4.63			14.3			13.1			9.19			1.50			
Median Abs Dev	0.68			1.6			1.1			1.12			1.08			
Avg Within Lab SD	0.45			0.5			0.5			0.71			0.32			
Labs Included	28			28			28			29			28			
Labs Reporting	29			29			29			29			29			



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PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	42.9	0.77	0.10	20.1	-0.38	0.56	39.7	0.00	0.24	21.2	0.32	0.23	109.0	-0.69	0.32	
6DEHCD	40.7	0.31	0.61	23.5	1.08	1.37	39.6	-0.04	1.32	30.3	3.25	0.45	157.8	0.53	0.83	
6UY9BD	44.9	1.19	0.58	22.9	0.84	1.40	39.5	-0.06	0.50	21.0	0.26	0.52	101.1	-0.89	1.64	
7JCQTQ	39.8	0.12	0.02	20.9	-0.04	0.02	45.5	1.44	0.10	19.5	-0.20	0.04	110.5	-0.66	0.01	
8LWXTD	40.3	0.24	0.58	21.3	0.14	0.30	41.3	0.41	0.53	20.8	0.21	0.21	183.0	1.17	0.79	
99MGL9	39.3	0.03	0.53	25.8	2.10	0.17	41.3	0.39	0.55	25.4	1.67	0.25	115.0	-0.54	0.26	
ATQMM M	39.4	0.05	0.35	21.5	0.20	0.73	40.2	0.12	0.30	23.1	0.94	0.54	123.3	-0.33	0.68	
CGPZB9	35.1	-0.83	0.14	18.0	-1.29	0.16	33.6	-1.54	0.21	20.2	0.00	0.30	129.5	-0.18	0.28	
CQFLG7	44.0	1.00	0.40	24.0	1.30	1.03	44.7	1.24	1.05	20.0	-0.05	0.74	167.7	0.78	0.09	
D8YY6H	19.9	-3.98X	0.35	12.6	-3.64X	0.47	13.0	-6.68X	0.37	5.8	-4.63X	0.81	44.1	-2.33X	0.40	
FDXZK3	40.3	0.24	0.22	21.7	0.30	0.37	42.2	0.61	0.11	25.3	1.64	0.17	108.4	-0.71	0.23	
GDUZX8	35.9	-0.67	1.94	17.6	-1.46	2.36	38.6	-0.28	3.67	15.4	-1.52	2.91	141.7	0.13	2.45	
GZ7XFF	55.2	3.31	1.79	35.5	6.27X	0.52	52.3	3.16	0.86	35.0	4.77X	0.35	228.6	2.32X	1.15	
KFPPUW	74.7	7.34X	1.60	43.4	9.69X	3.74	72.0	8.10X	1.64	35.8	5.01X	0.81	168.0	0.79	1.72	
KR4MZ2	37.7	-0.30	0.14	20.9	-0.05	0.31	40.3	0.15	0.19	20.3	0.03	0.43	112.5	-0.61	0.88	
MDDWQ9	48.4	1.92	0.07	23.7	1.19	0.09	49.7	2.51	0.06	22.6	0.79	0.20	183.7	1.19	1.15	
NQRGN8	34.6	-0.94	0.53	21.6	0.26	0.68	36.9	-0.70	0.45	19.0	-0.39	0.63	124.3	-0.31	0.72	
P4J7LR	39.0	-0.03		20.0	-0.43		40.0	0.07		17.0	-1.02		168.0	0.79	0.27	
PDLNWV	35.7	-0.72	0.23	20.7	-0.14	0.60	40.3	0.16	1.05	19.7	-0.16	0.43	181.7	1.14	1.17	
QCABRY	38.2	-0.20	0.31	25.2	1.80	1.06	36.3	-0.85	1.06	18.2	-0.62	0.57	114.8	-0.55	0.34	
RHQ78T	35.9	-0.68	0.19	20.0	-0.43	0.47	39.1	-0.15	0.22	18.1	-0.66	0.44	121.8	-0.37	0.43	
TBQ79Q	36.7	-0.51	0.61	21.0	0.00		36.7	-0.76	0.40	19.7	-0.16	0.43	128.0	-0.21	0.32	
UWZUAL	39.0	-0.03		21.0	0.00		43.3	0.91	0.40	20.3	0.05	0.43	184.0	1.20	0.32	
V8XUK6	49.4	2.12	3.71	23.6	1.14	2.35	47.1	1.85	1.23	25.6	1.73	3.26	171.7	0.88	1.93	
WGX44Z	32.0	-1.48	0.40	19.0	-0.87	1.03	36.0	-0.93	0.69	18.0	-0.70	0.74	122.7	-0.35	0.40	



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PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
WKGY8R	39.5	0.07	0.35	22.0	0.43	0.21	38.6	-0.27	0.24	21.0	0.27	0.13	173.1	0.92	0.20	
XTAQRQ	37.3	-0.38	0.23	20.0	-0.43		39.3	-0.10	0.40	19.0	-0.37		167.3	0.78	0.09	
YZ8JZK	36.3	-0.58	0.23	20.0	-0.43		39.0	-0.18	0.69	19.0	-0.37		158.3	0.55	2.32	
ZDQKVH	39.3	0.04	1.41	21.0	0.00	1.03	39.7	-0.01	1.59	19.0	-0.37		131.3	-0.13	0.18	
ZNMQPF	38.5	-0.13	0.57	24.4	1.46	0.66	39.7	0.00	0.96	21.6	0.46	0.27	196.0	1.50	0.57	

PO4-P Bray P1 (1:10) (SubTestCode 133) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	39.2			21.0			39.7			20.2			136.5		
Median Abs Dev	2.2			1.0			1.3			1.2			26.8			
Avg Within Lab SD	2.5			1.0			1.5			1.3			6.3			
Labs Included	28			27			28			27			28			
Labs Reporting	30			30			30			30			30			



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PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
9TB43P	31.4	0.06	1.62	18.5	0.11	0.66	33.0	0.82	0.74	16.9	0.55	0.73	145.7	1.52	0.45	
B6YPLP	20.0	-1.93		14.0	-2.20	0.92	25.0	-1.77		15.7	-0.19	1.05	111.0	0.00	1.86	
M3AH8V	23.3	-1.35	1.14	16.3	-0.99	1.92	29.0	-0.47	1.82	20.0	2.34	1.82	99.7	-0.50	0.96	
YUWR9Y	31.1	0.00	0.15	18.4	0.07	0.05	30.4	0.00	0.21	16.0	0.00	0.07	116.9	0.26	0.18	
ZP6HYZ	31.2	0.03	0.22	18.3	0.00	0.12	31.4	0.31	0.30	15.5	-0.29	0.23	86.2	-1.09	0.63	

PO4-P Bray P (1:7) (SubTestCode 134) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	31.1			18.3			30.4			16.0			111.0			
Median Abs Dev	0.3			0.2			1.4			0.5			11.3			
Avg Within Lab SD	0.5			1.1			0.5			0.6			3.4			
Labs Included	5			5			5			5			5			
Labs Reporting	5			5			5			5			5			



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PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups

Data units: mg/kg

WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	22.2	0.54	0.15	13.6	0.00	0.55	20.5	0.89	0.43	7.0	0.51	0.05	78.7	0.50	0.09
2LFVJH	19.5	-0.26	0.12	12.5	-0.45	0.14	15.5	-0.71	0.07	7.2	0.63	0.10	70.6	0.14	0.08
6DEHCD	27.9	2.30	1.33	22.0	3.62X	1.33	21.2	1.11	0.66	8.7	1.52	0.36	103.6	1.65	0.39
6UY9BD	19.0	-0.44	0.53	10.2	-1.45	0.85	13.2	-1.44	1.05	5.6	-0.35	0.64	43.8	-1.10	0.46
74JYAB	17.1	-1.01	0.27	12.2	-0.59	1.06	15.7	-0.64	0.09	5.0	-0.73	0.55	62.4	-0.24	0.36
7G8X2D	20.3	-0.02	0.60	14.0	0.19		17.0	-0.23	0.86	6.1	-0.08	0.30	96.3	1.32	0.56
7JYWFB	21.0	0.18		15.0	0.62		19.0	0.41		8.7	1.50	0.45	86.0	0.84	
9TB43P	21.6	0.38	0.98	16.3	1.19	0.34	20.4	0.85	1.09	16.4	6.19X	4.78	49.2	-0.85	5.08
ADGXB8	24.5	1.26	1.72	18.0	1.89	2.99	17.8	0.04	1.91	12.3	3.70	2.28	66.7	-0.05	0.55
AM33J8	18.8	-0.49	0.18	12.2	-0.57	0.09	16.2	-0.50	0.50	5.4	-0.51	0.25	55.3	-0.57	0.50
CQFLG7	23.0	0.80	0.52	14.3	0.33	0.61	18.7	0.31	1.00	6.7	0.28	0.45	57.7	-0.46	0.64
FDXZK3	22.1	0.51	0.15	12.5	-0.44	0.31	18.8	0.35	0.31	6.6	0.23	0.16	64.9	-0.13	0.17
G48283	18.4	-0.61		11.9	-0.72		14.6	-1.00		4.7	-0.91				
GDUZX8	22.9	0.77	3.14	14.6	0.45	0.31	21.8	1.31	0.64	7.3	0.68	0.60	82.1	0.66	0.63
GL63J9	16.8	-1.11	0.25	11.2	-1.01	0.25	19.5	0.58	2.51	6.0	-0.15	0.43	37.6	-1.38	0.13
GZ7XFF	28.4	2.45X	1.47	21.9	3.59X	0.66	24.5	2.17X	0.90	16.7	6.34X	0.34	72.4	0.22	0.25
HPYFHH	26.6	1.88	0.26	17.4	1.66	1.06	20.4	0.86	0.20	7.7	0.88	0.11	97.8	1.38	0.01
K4CPX4	18.4	-0.61	0.14	11.4	-0.92	0.43	15.7	-0.63	0.25	4.8	-0.83	0.12	44.5	-1.07	0.36
LXP34X	18.1	-0.69	0.39	11.5	-0.90	0.64	14.8	-0.92	0.72	5.7	-0.32	0.66	69.8	0.10	0.57
M3AH8V	19.3	-0.33	0.30	15.3	0.76	1.63	19.3	0.52	1.32	21.3	9.18X	1.98	68.7	0.05	0.51
M9G9A2	21.4	0.31	0.55	14.3	0.33	0.96	15.5	-0.71	0.33	7.7	0.89	0.26	61.9	-0.27	0.19
MDDWQ9	18.3	-0.64	0.43	12.3	-0.56	0.11	14.8	-0.92	0.23	5.2	-0.62	0.41	40.7	-1.24	0.18
MJXRUX	22.7	0.69	0.30	14.3	0.33	0.61	19.0	0.41		8.0	1.09		82.3	0.67	0.09
MZMZPB	22.2	0.54	0.17	14.5	0.41	0.14	18.2	0.17	0.14	6.4	0.13	0.13	89.7	1.01	0.15
P4J7LR	24.3	1.20	0.30	15.0	0.62		18.7	0.31	0.50	6.0	-0.12		78.0	0.47	
PDLNWV	18.2	-0.66	0.34	11.2	-1.02	0.77	14.4	-1.05	0.48	5.1	-0.69	0.09	48.8	-0.87	0.05



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PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
R27F9T	20.3	-0.02	0.30	13.7	0.04	0.61	15.7	-0.66	0.50	4.7	-0.93	0.45	78.0	0.47	0.16
RF4PP8	19.5	-0.27	0.25	12.0	-0.66	0.14	14.3	-1.10	0.33	5.5	-0.40	0.62	57.6	-0.46	0.58
TBQ79Q	17.3	-0.94	0.79	10.0	-1.53		12.3	-1.73	0.50	5.0	-0.73		48.3	-0.89	0.40
UWZUAL	20.0	-0.12	0.52	12.0	-0.67		18.0	0.09	0.86	6.0	-0.12	0.79	60.0	-0.35	0.27
V8XUK6	27.8	2.26	3.66	15.5	0.84	2.92	22.4	1.49	3.41	9.5	1.99	4.43	92.4	1.13	1.76
WGX44Z	19.0	-0.43	0.52	11.7	-0.80	0.21	15.5	-0.70	0.43	6.0	-0.12	0.79	46.2	-0.99	0.03
WKGY8R	20.5	0.02	0.53	13.6	0.01	0.11	16.6	-0.35	0.08	7.2	0.61	0.42	80.0	0.57	1.11
YUWR9Y	21.3	0.28	0.02	13.8	0.10	0.08	17.6	-0.04	0.16	5.8	-0.23	0.06	99.4	1.46	0.20
YZ8JZK	17.7	-0.84	0.30	12.0	-0.67	1.06	15.0	-0.87	0.86	6.3	0.08	0.45	56.0	-0.54	0.32
ZDQKVH	22.0	0.49	1.03	13.3	-0.10	0.61	18.7	0.31	0.50	6.3	0.08	0.45	70.7	0.14	0.09
ZP6HYZ	21.6	0.36	0.17	15.4	0.79	0.60	17.9	0.07	0.62	6.7	0.32	0.04	66.1	-0.07	0.09

PO4-P Olsen/Bicarb (1:20) (SubTestCode 135) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	20.4			13.6			17.7			6.20			67.7		
Median Abs Dev	1.8			1.4			2.0			0.92			12.3		
Avg Within Lab SD	1.9			0.9			1.2			1.27			6.3		
Labs Included	36			35			36			34			36		
Labs Reporting	37			37			37			37			36		



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PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
													SRS2015		
SRS2011				SRS2012			SRS2013			SRS2014					
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
9TB43P	13.10		1.41	4.34		1.40	2.47		1.00	1.71		0.81	16.53		1.20
WKGY8R	14.53		0.03	3.77		0.21	1.50			1.50		1.16	12.67		0.74
PO4-P M. Morgan (SubTestCode 136) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
													SRS2015		
SRS2011				SRS2012			SRS2013			SRS2014					
Grand Median	13.8			4.05			1.98			1.61			14.6		
Median Abs Dev															
Avg Within Lab SD	1.9			0.27			0.22			0.09			0.4		
Labs Included	2			2			2			2			2		
Labs Reporting	2			2			2			2			2		



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PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
7G8X2D	33.0			17.3		0.59	29.7		1.09	15.0		0.98	210.0		1.38			
LXP34X	31.6		1.00	15.8		1.29	29.2		0.90	13.8		1.02	122.3		0.29			
PO4-P Mod. Kelowna (SubTestCode 137) in the Phosphorus and Sulfur Property Groups														Data units: mg/kg				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	32.3			16.6			29.4			14.4			166.2					
Median Abs Dev																		
Avg Within Lab SD	1.9			1.0			1.9			1.0			7.2					
Labs Included	2			2			2			2			2					
Labs Reporting	2			2			2			2			2					



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PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	87.4	-0.13	0.12	73.0	-0.55	0.13	55.9	-0.13	0.16	30.8	0.00	0.26	147.6	-1.47	0.13
6UY9BD	103.0	1.41	1.57	89.3	0.75	1.29	59.3	0.47	1.10	38.5	2.05	1.83	208.4	-0.72	1.53
B6YPLP	56.7	-3.14X	0.21	47.3	-2.58X	0.67	37.3	-3.38X	0.25	26.7	-1.11	0.23	193.3	-0.91	1.01
FDXZK3	88.7	0.00	0.39	74.6	-0.42	0.20	56.6	0.00	0.03	30.7	-0.03	0.11	151.9	-1.42	0.20
GDUZX8	105.0	1.60	1.36	93.1	1.05	0.91	64.0	1.29	2.43	32.6	0.47	2.18	336.2	0.86	1.02
P4J7LR	85.0	-0.36	0.48	63.3	-1.31	0.25	55.3	-0.23	0.25	28.7	-0.58	0.46	279.0	0.15	0.08
UWZUAL	88.7	0.00	0.28	83.7	0.30	0.46	62.7	1.06	0.50	33.7	0.76	0.23	331.7	0.80	0.40
V8XUK6	104.4	1.55	1.98	92.3	0.98	2.47	64.5	1.38	1.05	45.7	3.96X	5.69	261.6	-0.06	0.45
WKGY8R	82.8	-0.57	0.36	79.9	0.00	0.06	51.0	-0.99	0.14	34.7	1.04	0.36	271.8	0.06	2.22
YZ8JZK	84.0	-0.46	0.37	71.0	-0.71	0.22	53.7	-0.52	0.66	30.7	-0.04	0.61	290.0	0.29	0.50

PO4-P Strong Bray (1:10) (SubTestCode 138) in the Phosphorus and Sulfur Property Groups						Data units: mg/kg				
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	88.7		79.9		56.6		30.8		266.7	
Median Abs Dev	4.7		8.9		3.0		2.2		61.6	
Avg Within Lab SD	5.5		4.5		2.3		2.5		12.6	
Labs Included	9		9		9		9		10	
Labs Reporting	10		10		10		10		10	



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SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	9.97	-1.18	0.20	7.83	-0.78	0.09	11.55	0.17	0.28	6.37	0.94	0.09	24.88	-0.85	0.05
6UY9BD	14.12	0.87	1.39	12.10	1.25	2.58	17.39	1.28	3.37	9.43	2.34	3.30	33.01	-0.62	1.34
7G8X2D	12.33	-0.01	0.57	9.47	0.00	0.49	6.37	-0.82	0.35	3.53	-0.37	0.14	100.00	1.30	
9TB43P	15.33	1.47	0.57	13.33	1.84	0.56	11.67	0.19	0.58	7.00	1.23		54.67	0.00	0.14
CQFLG7	13.00	0.31	2.61	9.67	0.10	0.56	8.67	-0.38	0.58	4.33	0.00	1.45	60.00	0.15	0.43
FDXZK3	10.80	-0.77	0.20	7.53	-0.92	0.10	10.67	0.00	0.06	6.28	0.89	0.03	24.30	-0.87	0.28
GL63J9	13.81	0.71	1.69	10.29	0.39	0.80	7.93	-0.52	0.46	3.44	-0.41	0.17	26.22	-0.81	0.32
GZ7XFF	11.42	-0.47	0.22	8.89	-0.27	0.33	5.78	-0.93	0.19	3.32	-0.47	0.16	97.91	1.24	0.19
KFPPUW	12.39	0.01	0.36	9.74	0.13	0.65	6.71	-0.76	0.09	3.38	-0.44	0.19	95.53	1.17	1.75
LM4YVY	11.24	-0.55	0.39	8.09	-0.66	0.10	12.86	0.42	0.51	5.99	0.76	0.53	76.27	0.62	0.92
LXP34X	12.00	-0.18	0.36	10.10	0.30	0.42	6.60	-0.78	0.53	3.57	-0.35	0.48	89.40	0.99	0.09
M9G9A2	9.44	-1.44	0.37	7.24	-1.06	0.29	12.15	0.28	0.44	4.42	0.04	0.05	61.67	0.20	0.76
NQRGN8	5.39	-3.44X	0.35	4.89	-2.18	0.68	7.36	-0.63	1.02	4.17	-0.08	0.70	10.67	-1.26	0.51
PDLNWV	10.26	-1.04	0.83	9.17	-0.14	0.98	17.05	1.22	0.34	6.90	1.18	0.26	40.71	-0.40	1.33
TBQ79Q	7.67	-2.31	0.57	5.00	-2.13		7.67	-0.57	0.58	3.00	-0.61		15.67	-1.12	0.14
UWZUAL	12.67	0.15	0.57	9.00	-0.22		14.00	0.64		4.33	0.00	0.72	53.67	-0.03	1.13
UZ3RHT	12.64	0.14	1.74	9.98	0.25	2.45	17.03	1.22	1.71	7.91	1.64	1.37	54.73	0.00	2.52
WGX44Z	12.75	0.19	0.15	9.83	0.17	0.28	16.50	1.11	0.50	5.53	0.55	0.63	22.00	-0.93	
YZ8JZK	13.05	0.34	0.81	9.48	0.01	0.70	6.07	-0.88	0.38	3.19	-0.52	0.21	63.61	0.26	0.77

SO4 - S (PO4 Extr.) (SubTestCode 140) in the Phosphorus and Sulfur Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	12.4			9.47			10.7			4.33			54.7		
Median Abs Dev	1.0			0.63			3.3			1.14			28.4		
Avg Within Lab SD	1.0			1.03			1.0			0.80			4.0		
Labs Included	18			19			19			19			19		
Labs Reporting	19			19			19			19			19		



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K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups

Data units: mg/kg

WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	149.3	-0.15	0.12	398.0	-0.70	0.34	194.1	-0.20	0.20	69.7	-0.12	0.50	82.8	-1.02	0.03
2LFVJH	122.1	-1.93	0.20	376.4	-1.27	0.52	163.5	-1.79	0.61	52.9	-1.64	0.05	221.5	0.21	0.06
6DEHCD	148.2	-0.23	0.80	405.3	-0.51	0.59	195.7	-0.12	0.72	60.7	-0.94	1.01	202.7	0.04	0.11
6UY9BD	172.1	1.33	2.91	423.1	-0.04	0.79	210.3	0.64	0.91	90.2	1.74	0.97	147.8	-0.44	0.06
74JYAB	169.0	1.13	0.27	482.3	1.51	0.65	196.0	-0.10	0.14	77.7	0.60	0.46	382.7	1.64	0.21
7G8X2D	140.0	-0.76		400.0	-0.65	2.27	170.0	-1.45		60.7	-0.94	0.46	313.3	1.02	0.30
7JCQTQ	151.7	0.00	0.08	481.4	1.49	0.01	177.7	-1.05	0.02	68.9	-0.19	0.06	197.8	0.00	0.01
ADGXB8	153.0	0.09	0.46	442.7	0.47	0.55	189.7	-0.43	0.30	75.7	0.42	0.23	206.0	0.07	2.07
AM33J8	144.3	-0.48	1.01	421.0	-0.10	0.69	207.0	0.47	0.90	69.7	-0.12	1.28	159.7	-0.34	0.18
ATQMM M	165.4	0.89	1.33	443.4	0.49	1.42	221.7	1.24	0.25	85.2	1.29	1.37	60.9	-1.21	0.13
B6YPLP	127.3	-1.59	0.23	392.1	-0.86	0.30	179.0	-0.98	0.33	67.6	-0.31	0.68	302.4	0.93	0.82
CGPZB9	161.8	0.66	0.11	434.3	0.25	0.08	197.3	-0.03	0.30	68.5	-0.23	0.24	188.3	-0.08	0.13
CQFLG7	148.7	-0.20	0.55	413.7	-0.29	1.40	198.3	0.02	0.60	71.0	0.00	1.83	193.0	-0.04	0.18
D8YY6H	139.4	-0.80	1.23	453.8	0.76	2.71	203.3	0.28	1.13	67.4	-0.33	0.50	345.0	1.31	0.17
FB8284	46.7	-6.85X	0.00	94.8	-8.65X	3.03	47.9	-7.80X	1.64	28.2	-3.88X	1.70	94.9	-0.91	0.29
FDXZK3	155.0	0.22	0.70	424.3	-0.01	0.50	203.0	0.27	0.14	80.7	0.88	0.23	78.7	-1.06	0.18
G48283	152.0	0.02		459.0	0.90		204.0	0.32		75.0	0.36		355.0	1.39	
GDUZX8	170.1	1.20	1.39	479.6	1.44	1.81	219.1	1.11	3.24	80.6	0.87	3.48	160.5	-0.33	0.84
GL63J9	149.8	-0.12	1.24	411.3	-0.35	1.53	190.2	-0.40	0.12	70.3	-0.06	0.42	168.6	-0.26	0.28
GZ7XFF	164.9	0.86	0.54	457.2	0.85	0.31	209.3	0.59	0.09	84.1	1.19	0.36	312.3	1.01	0.02
K4CPX4	150.6	-0.07	0.84	429.9	0.13	0.63	222.2	1.26	0.53	64.0	-0.63	0.72	153.5	-0.39	0.67
KFPPUW	126.6	-1.64	0.66	391.8	-0.86	1.46	173.0	-1.30	3.43	64.1	-0.63	0.33	291.3	0.83	0.85
KR4MZ2	152.2	0.04	1.53	459.3	0.90	0.22	201.2	0.17	0.60	86.7	1.43	0.89	329.6	1.17	0.70
LXP34X				467.9	1.13	0.78	205.3	0.38	0.40				378.0	1.60	0.46
M3AH8V	129.3	-1.46	1.11	414.3	-0.27	1.54	177.7	-1.05	1.01	74.3	0.30	0.61	221.3	0.21	0.60



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K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
M9G9A2	151.2	-0.03	0.34	402.8	-0.58	0.24	183.3	-0.76	0.03	74.0	0.27	0.23	230.7	0.29	0.49	
MDDWQ9	139.2	-0.81	0.29	383.0	-1.09	0.63	172.7	-1.31	0.40	62.8	-0.75	0.70	158.8	-0.35	0.93	
MZMZPB	137.3	-0.94	0.46	421.3	-0.09	1.35	192.2	-0.30	1.18	69.9	-0.10	0.48	324.7	1.13	0.15	
NQRGN8	143.7	-0.52	1.54	399.0	-0.68	1.07	186.7	-0.58	0.44	66.3	-0.42	0.90	102.8	-0.84	0.06	
P4J7LR	156.1	0.29	0.58	449.9	0.66	0.22	200.8	0.15	0.22	76.5	0.50	0.22	197.9	0.00	0.32	
P7ZVHA	167.7	1.05	0.00	484.9	1.58	0.30	213.2	0.80	0.32	89.7	1.70	0.00	374.4	1.57	0.20	
PDLNWW	153.7	0.13	0.15	401.3	-0.61	0.61	185.7	-0.64	0.30	62.7	-0.76	1.40	193.0	-0.04	0.36	
QCABRY	157.2	0.36	0.60	425.2	0.01	0.66	226.1	1.47	0.32	84.4	1.21	0.39	181.8	-0.14	0.30	
R27F9T	144.7	-0.46	0.31	440.7	0.42	0.61	206.3	0.44	0.65	78.0	0.63	1.06	353.7	1.38	0.21	
RF4PP8	167.2	1.01	1.11	452.4	0.72	0.85	196.5	-0.07	0.26	77.2	0.57	0.49	358.3	1.42	0.23	
RHQ78T	177.0	1.65	2.42	398.4	-0.69	0.96	243.3	2.36	2.41	85.8	1.34	1.73	118.2	-0.71	0.26	
TBQ79Q	154.7	0.20	0.15	431.7	0.18	0.33	216.0	0.94	0.29	66.0	-0.45	0.40	163.0	-0.31	0.15	
UWZUAL	139.3	-0.80	0.41	402.7	-0.58	0.87	184.0	-0.72	0.76	64.7	-0.57	0.61	191.7	-0.05	0.21	
V8XUK6	169.2	1.14	1.40	456.1	0.82	0.78	197.5	-0.02	1.36	74.5	0.32	0.59	153.6	-0.39	5.77	
WGX44Z	149.7	-0.13	1.11	429.0	0.11	0.26	207.7	0.51	0.44	70.0	-0.09	2.00	100.0	-0.87	0.26	
YUWR9Y	172.2	1.34	1.50	509.3	2.21	0.59	220.3	1.16	0.32	90.3	1.75	0.40	382.8	1.64	0.20	
YZ8JZK	155.0	0.22	0.27	418.7	-0.16	0.80	194.3	-0.19	0.84	72.7	0.15	0.61	194.3	-0.03	0.59	
ZDQKVH	140.7	-0.72	0.15	390.3	-0.90	1.22	189.7	-0.43	0.17	67.0	-0.36	1.44	204.3	0.06	0.18	
ZNMQPF	140.0	-0.76	0.96	382.0	-1.12	1.25	201.3	0.18	1.11	66.5	-0.41	1.20	150.0	-0.42	0.26	
ZP6HYZ	160.8	0.59	0.83	433.2	0.22	0.59	216.8	0.98	0.36	86.6	1.41	0.62	331.0	1.18	0.26	

K Ammonium Acetate (SubTestCode 141) in the Bases (1:10) Property Groups					Data units: mg/kg	
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	151.7	424.8	197.9	71.0	197.8	
Median Abs Dev	10.1	24.9	10.5	6.2	50.0	
Avg Within Lab SD	3.8	7.6	7.0	2.5	19.5	
Labs Included	43	44	44	43	45	
Labs Reporting	44	45	45	44	45	



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Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	4,779.0	0.75	0.34	3,289.3	0.25	0.21	963.7	0.21	0.04	895.7	0.36	0.13	1,230.0	-0.82	0.04	
2LFVJH	3,819.7	-0.93	0.39	2,977.4	-0.63	0.19	794.2	-1.30	0.16	710.2	-1.27	0.06	2,721.9	0.29	0.11	
6DEHCD	4,053.3	-0.52	0.66	3,052.3	-0.42	0.26	865.3	-0.67	0.20	705.3	-1.31	0.23	2,419.0	0.07	0.07	
6UY9BD	4,934.2	1.02	2.41	3,664.0	1.31	1.58	1,075.5	1.21	2.00	1,060.9	1.82	1.60	1,880.9	-0.33	0.90	
74JYAB	4,131.3	-0.39	0.96	2,942.3	-0.72	0.45	851.0	-0.79	0.85	798.7	-0.49	0.72	3,885.3	1.15	0.27	
7G8X2D	4,566.7	0.38	1.11	3,200.0	0.00	1.93	896.7	-0.39	0.79	830.0	-0.21	1.20	4,166.7	1.36	0.80	
9TB43P	4,460.0	0.19	0.33	3,206.7	0.02	1.14	946.7	0.06	0.60	893.3	0.34	1.02	3,113.3	0.58	2.65	
ADGXB8	3,963.7	-0.68	0.34	2,989.0	-0.59	0.53	866.0	-0.66	0.34	843.0	-0.10	0.77	2,329.7	0.00	1.39	
AM33J8	4,867.3	0.90	1.31	3,520.7	0.90	0.84	1,040.7	0.90	0.96	921.3	0.59	2.12	2,137.3	-0.14	1.10	
ATQMM M	4,302.6	-0.09	0.66	3,235.8	0.10	1.40	1,135.4	1.74	0.52	969.2	1.01	1.04	765.2	-1.16	0.23	
B6YPLP	3,902.7	-0.79	0.47	2,869.7	-0.93	0.50	809.8	-1.16	0.21	764.2	-0.79	0.06	3,333.7	0.74	0.59	
CGPZB9	4,493.3	0.25	0.25	3,245.0	0.13	0.15	972.7	0.29	0.17	831.3	-0.20	0.25	2,419.7	0.07	0.24	
CQFLG7	4,559.0	0.36	0.92	3,214.3	0.04	1.75	988.7	0.43	0.59	881.7	0.24	2.62	2,446.0	0.09	0.16	
D8YY6H	5,433.3	1.89	1.04	3,963.7	2.15	1.00	1,136.7	1.75	1.28	1,049.7	1.72	1.58	4,622.7	1.70	0.40	
FB8284	1,444.1	-5.09X	1.21	864.8	-6.57X	2.87	233.5	-6.29X	4.12	252.1	-5.30X	4.56	1,320.8	-0.75	0.31	
FDXZK3	4,772.0	0.74	0.36	3,185.7	-0.04	0.09	972.3	0.29	0.26	891.3	0.33	0.14	1,239.7	-0.81	0.05	
GDUZX8	4,912.7	0.98	1.19	3,525.0	0.91	0.71	1,006.5	0.59	2.17	910.4	0.49	2.75	2,017.3	-0.23	0.98	
GL63J9	4,323.5	-0.05	2.59	2,939.6	-0.73	1.80	896.1	-0.39	0.94	809.9	-0.39	0.43	2,117.8	-0.16	0.19	
GZ7XFF	4,876.8	0.92	0.26	3,475.2	0.77	0.48	1,006.2	0.59	0.26	962.8	0.96	0.12	3,789.2	1.08	0.02	
K4CPX4	4,246.7	-0.18	0.86	2,923.7	-0.78	0.45	889.0	-0.45	0.17	726.8	-1.12	0.31	2,022.0	-0.23	0.60	
KFPPUW	4,076.3	-0.48	0.84	3,176.0	-0.07	1.04	880.4	-0.53	2.65	770.9	-0.73	0.14	3,573.1	0.92	0.85	
KR4MZ2	4,342.6	-0.02	0.39	3,324.3	0.35	0.61	867.9	-0.64	0.27	849.5	-0.04	0.55	3,623.1	0.96	0.14	
LXP34X	4,802.3	0.79	1.13	3,587.0	1.09	0.22	847.7	-0.82	3.02	869.0	0.13	1.22	5,063.0	2.03	0.27	
M3AH8V	3,463.0	-1.56	1.26	2,741.0	-1.29	0.82	786.3	-1.37	0.80	729.7	-1.10	1.10	2,640.7	0.23	0.29	
M9G9A2	4,048.7	-0.53	0.80	3,135.6	-0.18	0.61	925.7	-0.13	0.81	910.3	0.49	0.23	2,828.6	0.37	0.39	



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Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
MDDWQ9	4,282.0	-0.12	0.45	2,918.7	-0.79	0.82	836.7	-0.92	1.11	762.3	-0.81	0.93	2,268.7	-0.05	0.62	
MJXRUX	4,393.3	0.07	0.29	3,200.0	0.00	0.22	933.3	-0.06	0.60	840.0	-0.13	0.67	2,853.3	0.39	0.19	
MZMZPB	5,861.5	2.64	0.18	4,040.3	2.36	0.33	1,141.4	1.79	0.22	1,107.0	2.22	0.51	4,969.9	1.96	0.09	
NQRGN8	4,269.3	-0.14	1.78	3,067.0	-0.37	1.35	875.5	-0.57	1.41	761.6	-0.81	1.20	1,485.3	-0.63	0.47	
P4J7LR	4,661.7	0.54	0.13	3,256.7	0.16	0.40	975.0	0.31	0.31	920.3	0.58	0.72	2,317.7	-0.01	0.21	
P7ZVHA	5,980.0	2.85	1.67	3,833.3	1.78	0.26	956.0	0.14	0.32	944.7	0.80	0.21	4,993.3	1.98	1.17	
PDLNWW	4,281.3	-0.12	0.43	3,024.5	-0.49	0.74	866.4	-0.66	0.78	751.4	-0.90	0.73	2,119.5	-0.16	0.10	
QCABRY	4,045.3	-0.54	0.86	3,052.0	-0.42	0.69	1,109.6	1.51	0.65	967.8	1.00	0.21	2,008.0	-0.24	0.17	
R27F9T	4,338.3	-0.02	0.27	3,199.0	0.00	0.37	919.0	-0.19	0.60	866.0	0.10	0.82	4,172.0	1.37	0.10	
RF4PP8	4,834.8	0.85	1.52	3,240.1	0.11	1.14	859.3	-0.72	0.06	829.3	-0.22	0.25	4,092.9	1.31	0.63	
RHQ78T	3,893.2	-0.80	0.98	3,006.0	-0.55	0.56	1,050.7	0.99	1.32	978.5	1.09	1.32	1,189.4	-0.85	0.02	
TBQ79Q	4,634.7	0.50	0.17	3,462.0	0.74	0.65	992.7	0.47	0.97	805.7	-0.43	0.29	1,946.3	-0.28	0.21	
UWZUAL	3,623.3	-1.28	1.08	2,556.7	-1.81	0.57	893.3	-0.42	1.32	836.7	-0.15	0.51	2,076.7	-0.19	0.26	
V8XUK6	4,361.1	0.02	0.20	3,307.1	0.30	3.38	987.6	0.42	0.36	814.1	-0.35	0.26	1,862.0	-0.35	5.21	
WGX44Z	4,508.3	0.27	0.07	3,247.7	0.13	0.03	1,001.7	0.55	0.08	925.0	0.62	0.17	1,409.0	-0.68	0.04	
YUWR9Y	4,724.8	0.65	1.76	3,658.6	1.29	1.65	983.7	0.39	0.87	943.9	0.79	1.30	4,460.9	1.58	0.14	
YZ8JZK	4,135.7	-0.38	0.34	2,959.0	-0.68	0.38	909.0	-0.28	0.40	843.3	-0.10	0.49	2,167.0	-0.12	0.15	
ZDQKVH	3,676.3	-1.18	0.56	2,643.3	-1.57	0.24	813.7	-1.13	0.14	660.7	-1.70	1.17	2,297.0	-0.02	0.29	
ZNMQPF	4,267.3	-0.15	1.38	2,875.0	-0.91	0.92	1,014.7	0.67	0.90	859.0	0.04	1.14	1,858.0	-0.35	0.19	
ZP6HYZ	5,018.9	1.17	0.27	3,485.1	0.80	0.75	956.7	0.15	0.19	920.4	0.58	0.34	4,452.0	1.57	0.42	

Ca Ammonium Acetate (SubTestCode 142) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	4,351.8			3,200.0			940.0			854.2			2,329.7			
Median Abs Dev	304.8			216.8			65.3			66.1			523.7			
Avg Within Lab SD	103.7			89.8			38.7			30.1			259.4			
Labs Included	44			44			44			44			45			
Labs Reporting	45			45			45			45			45			



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Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	496.0	0.02	0.64	408.3	-0.92	0.24	66.6	0.23	0.12	116.0	-0.71	0.22	53.0	-1.13	0.07	
2LFVJH	397.2	-2.30	0.15	373.2	-1.75	0.03	37.5	-2.00	0.12	83.4	-2.84	0.66	115.9	-0.07	0.14	
6DEHCD	550.3	1.30	0.39	502.0	1.30	0.35	62.3	-0.10	0.91	112.3	-0.95	1.20	131.3	0.18	0.15	
6UY9BD	511.1	0.38	3.09	473.7	0.63	1.67	75.7	0.92	1.76	146.5	1.28	1.29	82.8	-0.63	1.27	
74JYAB	442.3	-1.24	0.40	411.3	-0.85	1.04	46.0	-1.35	1.45	110.7	-1.06	0.77	174.7	0.91	0.11	
7G8X2D	470.0	-0.59	2.46	403.3	-1.04	2.24	59.0	-0.35	0.36	120.0	-0.45		193.3	1.22	0.41	
9TB43P	500.0	0.12	0.57	468.0	0.50	1.35	72.6	0.69	0.00	141.0	0.92	1.51	165.7	0.76	2.80	
ADGXB8	473.3	-0.51	1.69	444.3	-0.07	1.75	63.3	-0.02	1.51	135.0	0.53	1.87	122.7	0.04	1.24	
AM33J8	521.7	0.62	2.26	466.0	0.45	0.99	65.3	0.13	0.84	134.0	0.46	2.00	97.0	-0.39	0.95	
ATQMM M	515.5	0.48	1.33	463.1	0.38	1.00	74.7	0.85	0.63	128.3	0.09	1.14	39.0	-1.36	0.24	
B6YPLP	436.9	-1.37	0.49	403.9	-1.03	0.19	52.3	-0.87	0.26	115.4	-0.75	0.40	174.1	0.90	0.51	
CGPZB9	520.3	0.59	0.39	471.7	0.58	0.20	68.3	0.36	0.13	126.0	-0.06	0.27	120.3	0.00	0.15	
CQFLG7	507.7	0.30	1.07	465.0	0.42	1.05	75.3	0.90	0.21	132.0	0.33	1.53	132.7	0.21	0.29	
D8YY6H	502.4	0.17	0.56	404.7	-1.01	1.23	34.1	-2.26	1.09	116.2	-0.70	0.60	156.1	0.60	0.32	
FB8284	149.6	-8.13X	1.17	115.9	-7.86X	2.99	15.7	-3.67X	3.74	38.7	-5.76X	2.00	61.7	-0.98	0.47	
FDXZK3	454.0	-0.97	0.24	399.6	-1.13	0.03	61.3	-0.18	0.06	120.5	-0.42	0.16	56.5	-1.07	0.14	
GDUZX8	565.8	1.66	1.27	510.4	1.50	0.86	75.6	0.91	2.21	155.2	1.85	3.12	106.0	-0.24	0.91	
GL63J9	478.8	-0.38	0.19	422.9	-0.57	0.40	65.0	0.10	0.43	124.6	-0.15	0.46	106.8	-0.23	0.43	
GZ7XFF	527.5	0.76	0.57	460.7	0.32	0.47	66.9	0.25	0.73	139.1	0.79	0.09	183.7	1.06	0.06	
K4CPX4	515.5	0.48	0.40	456.7	0.23	0.75	52.4	-0.86	1.23	126.5	-0.03	0.32	85.0	-0.59	0.25	
KFPPUW	403.1	-2.16	0.74	387.5	-1.41	0.92	50.5	-1.00	2.34	104.4	-1.47	0.29	163.6	0.73	0.62	
KR4MZ2	461.8	-0.78	0.27	428.9	-0.43	0.60	48.2	-1.18	0.41	126.9	0.00	0.42	170.5	0.84	0.37	
LXP34X	480.3	-0.35	0.05	451.3	0.10	0.83				126.7	-0.02	0.99	216.7	1.61	0.32	
M3AH8V	393.3	-2.39	0.91	394.7	-1.24	1.00	42.7	-1.60	0.91	107.7	-1.26	0.77	118.3	-0.03	0.36	
M9G9A2	432.9	-1.46	0.80	415.4	-0.75	0.84	56.3	-0.56	0.71	117.2	-0.64	0.22	136.9	0.28	0.65	



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Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
MDDWQ9	493.0	-0.05	0.38	444.9	-0.05	1.85	63.6	0.00	1.57	136.7	0.64	1.49	134.7	0.24	0.90	
MJXRUX	488.3	-0.16	1.20	449.3	0.05	0.68	77.3	1.05	0.42	139.7	0.83	0.83	130.3	0.17	0.29	
MZMZPB	537.6	1.00	0.17	507.9	1.44	0.28	75.9	0.94	0.46	155.2	1.84	0.41	235.4	1.93	0.18	
NQRGN8	503.0	0.19	1.57	443.7	-0.08	1.38	65.7	0.16	1.27	77.8	-3.21X	0.95	67.0	-0.89	0.26	
P4J7LR	517.0	0.52	0.20	462.0	0.35	0.07	71.2	0.58	0.33	130.6	0.24	0.26	116.2	-0.07	0.13	
P7ZVHA	535.2	0.94	0.62	495.6	1.15	0.35	59.2	-0.34	0.25	134.4	0.49	0.45	212.0	1.54	0.55	
PDLNWW	495.8	0.02	0.28	437.9	-0.22	0.49	61.2	-0.19	0.77	121.7	-0.34	0.17	106.6	-0.23	0.12	
QCABRY	494.6	-0.01	0.78	454.6	0.18	0.80	78.3	1.12	0.48	130.9	0.26	0.80	109.5	-0.18	0.34	
R27F9T	484.3	-0.25	0.17	452.7	0.13	0.15	60.3	-0.25	0.55	133.0	0.40	0.95	213.3	1.56	0.42	
RF4PP8	506.7	0.27	0.90	469.8	0.54	0.65	59.3	-0.33	0.16	130.1	0.21	0.26	210.9	1.52	0.20	
RHQ78T	483.1	-0.28	0.54	428.5	-0.44	0.26	79.3	1.20	0.25	123.8	-0.20	0.34	76.5	-0.74	0.19	
TBQ79Q	461.3	-0.79	0.41	444.0	-0.07	2.19	82.0	1.41	1.30	118.7	-0.54	1.12	113.3	-0.12	0.55	
UWZUAL	444.0	-1.20	1.10	398.0	-1.17	0.79	46.0	-1.35	0.96	104.3	-1.48	0.25	102.3	-0.30	0.27	
V8XUK6	529.8	0.82	0.75	490.9	1.04	1.67	71.1	0.57	2.30	128.7	0.12	0.84	98.2	-0.37	5.21	
WGX44Z	520.0	0.59	0.41	464.0	0.40	0.51	64.0	0.03	1.09	129.3	0.16	0.13	62.3	-0.97	0.18	
YUWR9Y	495.6	0.01	0.95	495.3	1.14	0.94	62.6	-0.08	0.49	142.8	1.03	1.36	218.8	1.65	0.52	
YZ8JZK	493.0	-0.05	0.98	431.7	-0.37	0.45	74.0	0.79	1.30	133.3	0.42	0.55	114.7	-0.09	0.41	
ZDQKVH	454.0	-0.97	0.16	402.3	-1.06	0.49	57.7	-0.46	0.55	105.3	-1.41	1.32	123.0	0.04	0.19	
ZNMQPF	491.0	-0.10	1.07	406.7	-0.96	1.31	65.5	0.15	0.90	125.0	-0.13	0.87	91.9	-0.48	0.28	
ZP6HYZ	497.8	0.06	0.12	455.4	0.20	1.11	59.3	-0.33	0.16	134.7	0.51	0.23	191.2	1.19	0.22	

Mg Ammonium Acetate (SubTestCode 143) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	495.1			447.1			63.6			126.9			120.3			
Median Abs Dev	21.9			23.4			7.5			7.8			35.7			
Avg Within Lab SD	12.2			10.3			2.8			4.6			14.0			
Labs Included	44			44			43			43			45			
Labs Reporting	45			45			44			45			45			



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Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups															Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
26QKWF	17.2	0.82	0.08	15.3	0.73	0.30	13.8	1.17	0.09	15.7	0.83	0.18	15.7	-0.11	0.03		
2LFVJH	9.4	-1.24	0.25	10.6	-0.36	0.14	7.5	-0.38	0.10	10.8	-0.29	0.09	15.1	-0.21	0.22		
6DEHCD	15.3	0.32	0.37	17.3	1.21	0.61	15.3	1.55	0.30	26.3	3.27X	1.02	23.7	1.22	0.49		
6UY9BD	17.5	0.90	1.71	16.3	0.97	2.53	14.2	1.27	1.72	18.0	1.36	1.30	15.8	-0.09	1.11		
74JYAB	17.0	0.75		15.7	0.82	0.61	11.0	0.48	0.53	13.0	0.22		25.0	1.44	0.32		
7G8X2D	16.7	0.67	0.97	16.0	0.90		10.7	0.40	0.30	17.0	1.13	0.66	35.0	3.10X	0.32		
9TB43P	17.6	0.92	0.84	13.8	0.39	0.00	11.5	0.61		13.8	0.40	0.00	19.9	0.60	1.12		
ADGXB8	24.7	2.77X	0.97	20.7	1.98	1.62	18.3	2.30	1.85	21.7	2.20	1.53	26.7	1.72	1.48		
AM33J8	9.6	-1.18	1.19	8.8	-0.78	2.57	8.1	-0.24	2.51	8.9	-0.71	1.56	9.6	-1.12	0.41		
ATQMM M	14.7	0.15	0.24	13.1	0.21	0.17	10.4	0.34	0.13	12.5	0.09	0.21	8.9	-1.24	0.09		
B6YPLP	6.9	-1.90	0.41	5.0	-1.66	0.30	2.4	-1.65	0.28	5.5	-1.50	0.17	13.4	-0.49	0.50		
CQFLG7	15.7	0.40	0.37	13.3	0.28	0.61	10.3	0.32	0.30	14.3	0.52	0.77	19.3	0.50	0.37		
D8YY6H	11.2	-0.77	0.56	11.8	-0.08	3.12	6.8	-0.57	0.38	8.4	-0.83	0.21	27.1	1.79	0.84		
FB8284	72.7	15.39X	10.26	78.2	15.35X	8.14	84.1	18.57X	6.91	89.9	17.83X	12.85	87.5	11.85X	4.99		
FDXZK3	16.9	0.72	0.33	13.8	0.39	0.12	12.3	0.81	0.08	16.5	1.01	0.15	16.0	-0.06	0.39		
GDUZX8	15.4	0.33	0.53	12.3	0.03	0.74	9.0	-0.02	0.42	12.3	0.07	0.40	13.5	-0.48	0.81		
GL63J9	13.7	-0.12	0.60	11.2	-0.23	0.86	9.5	0.11	0.09	11.6	-0.10	0.09	15.6	-0.12	0.48		
GZ7XFF	18.2	1.07	0.19	16.1	0.92	0.42	13.3	1.06	0.52	17.2	1.19	0.24	27.8	1.90	0.05		
K4CPX4	7.2	-1.82	4.78	1.5	-2.48	0.78	1.3	-1.92	0.26	3.4	-1.98	2.77	14.0	-0.39	3.86		
KFPPUW	8.6	-1.44	0.18	7.5	-1.08	0.24	4.6	-1.11	0.30	7.0	-1.15	0.06	16.7	0.05	0.36		
M3AH8V	7.3	-1.79	0.60	7.1	-1.18	0.99	5.2	-0.95	0.29	9.1	-0.67	0.33	14.8	-0.26	0.12		
M9G9A2	13.8	-0.08	0.05	12.7	0.12	0.19	9.1	0.02	0.12	12.8	0.17	0.18	19.4	0.52	0.26		
MDDWQ9	15.8	0.45	0.05	13.9	0.41	0.47	10.7	0.41	0.22	13.3	0.28	0.21	19.1	0.46	0.41		
MZMZPB	0.4	-3.60X	0.20	1.2	-2.55	0.83	5.3	-0.94	0.35	3.4	-1.99	3.53	3.8	-2.09	1.69		
NQRGN8	13.5	-0.17	0.64	10.8	-0.30	0.48	8.6	-0.10	0.21	11.3	-0.18	0.10	13.3	-0.50	0.43		



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Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
P4J7LR	12.7	-0.38	0.23	12.0	-0.03	0.13	7.6	-0.36	0.11	11.7	-0.09	0.24	14.7	-0.27	0.11	
P7ZVHA	9.2	-1.30	0.00	6.9	-1.22	0.00	2.3	-1.67	0.00	6.9	-1.18	0.00	18.4	0.34	0.00	
PDLNWW	9.2	-1.29	0.73	8.2	-0.92	0.87	4.9	-1.04	0.74	8.1	-0.90	1.36	12.3	-0.68	0.06	
QCABRY	14.3	0.05	0.20	12.8	0.14	0.32	10.9	0.45	0.45	13.2	0.27	0.24	14.7	-0.28	0.05	
R27F9T	11.5	-0.69	0.32	9.4	-0.64	0.69	6.7	-0.59	0.61	9.3	-0.62	0.38	21.3	0.83	0.37	
RF4PP8	14.3	0.06	0.71	11.7	-0.10	0.34	7.3	-0.43	0.17	9.5	-0.58	0.50	23.4	1.17	0.14	
RHQ78T	14.9	0.21	0.27	13.4	0.28	0.43	11.3	0.56	0.31	13.1	0.24	0.53	11.5	-0.80	0.11	
UWZUAL	15.3	0.32	0.97	15.7	0.82	1.23	6.7	-0.59	0.30	12.7	0.14	1.67	18.3	0.33	0.37	
V8XUK6	10.6	-0.92	0.70	8.7	-0.80	0.25	9.9	0.21	4.46	9.3	-0.63	1.14	16.4	0.00	3.26	
WGX44Z	15.4	0.34	0.26	12.5	0.09	0.53	8.5	-0.14	0.26	13.2	0.27	0.17	11.0	-0.89	0.32	
YUWR9Y	14.0	-0.05	0.48	11.4	-0.18	0.61	6.9	-0.53	0.19	7.9	-0.94	0.26	22.6	1.05	0.10	
YZ8JZK	13.2	-0.25	0.59	11.7	-0.09	0.68	9.3	0.06	0.37	12.1	0.00	0.57	16.6	0.04	0.36	
ZDQKVH	12.7	-0.38	0.37	12.0	-0.03		10.0	0.23		12.0	-0.01	0.66	17.0	0.11	0.32	
ZP6HYZ	14.4	0.07	0.47	13.0	0.21	0.77	8.8	-0.07	0.14	13.0	0.21	0.31	21.3	0.82	0.07	

Na Ammonium Acetate (SubTestCode 144) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	14.1			12.1			9.05			12.1			16.4			
Median Abs Dev	2.1			1.7			2.05			2.5			3.0			
Avg Within Lab SD	1.6			0.9			1.89			1.5			3.1			
Labs Included	36			38			38			37			37			
Labs Reporting	39			39			39			39			39			



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Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups													Data units: mg/kg					
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
26QKWF	97.0		1.00	262.9		1.00	147.2		1.00	71.8		1.00	66.6		1.00			

Bray Extractable K (SubTestCode 145) in the Bases (1:10) Property Groups													Data units: mg/kg					
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	97.0			262.9			147.2			71.8			66.6					
Median Abs Dev																		
Avg Within Lab SD	0.3			1.2			1.4			0.2			0.7					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



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K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
K4CPX4	100.0		1.21	300.7		1.34	167.3		1.46	60.7		1.36	187.3		1.69	
MJXRUX	109.0		1.21	289.0		0.91	159.7		0.52	65.0			305.0		0.14	
WKGY8R	102.3		0.23	306.7		0.60	169.3		0.76	67.3		0.38	334.0		0.37	
K- Bicarb. (SubTestCode 146) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	102.3			300.7			167.3			65.0			305.0			
Median Abs Dev																
Avg Within Lab SD	2.5			4.8			4.0			4.0			14.5			
Labs Included	3			3			3			3			3			
Labs Reporting	3			3			3			3			3			



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Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
8EWH6Q	2.40		1.93	3.90		1.89	3.30		1.49	4.20		1.09	6.00	0.78	0.24	
GDUZX8	0.47		0.34	0.30		0.23	0.40		0.77	1.14		1.29	13.79	2.29	1.98	
V8XUK6							2.47						0.79	-0.23		
VLHAPP	1.17		0.11	0.85		0.28							1.57	-0.08	0.04	
WKGY8R	1.10		0.37	0.63		0.55	1.53		0.44	0.80		0.36	1.97	0.00	0.07	
Aluminum KCL Extr. (SubTestCode 149) in the Bases (1:10) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median		1.14			0.74			2.00			1.14				1.97	
Median Abs Dev															1.18	
Avg Within Lab SD		0.27			0.28			0.35			0.47				2.15	
Labs Included		4			4			4			3				5	
Labs Reporting		4			4			4			3				5	



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Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7HHZMC	42.5		1.78	47.0		0.31	17.4		0.49	15.6		0.58	64.8		0.56
99MGL9	55.9		0.00	60.0		0.00	21.9		0.00	17.5		0.00	121.8		0.00
LM4YVY	45.0		0.40	46.6		0.95	19.9		1.93	16.3		0.83	55.5		1.89
VLHAPP	75.1		0.82	88.7		1.73	35.8		0.17	26.1		1.72	218.5		0.35

Mehlich-1, P (SubTestCode 150) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Grand Median		50.4			53.5			20.9			16.9			93.3
Median Abs Dev															
Avg Within Lab SD		1.3			1.4			0.2			0.9			4.1	
Labs Included		4			4			4			4			4	
Labs Reporting		4			4			4			4			4	



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Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7HHZMC	66.5		0.59	219.4		0.47	137.2		0.15	55.4		0.27	55.4		0.48
99MGL9	77.6		0.00	213.6		0.00	133.7		0.00	58.6		0.00	151.4		0.00
LM4YVY	70.1		1.69	221.9		1.62	143.6		1.83	55.3		1.66	56.4		0.72
VLHAPP	89.7		0.89	285.2		1.07	169.2		0.79	69.5		1.08	240.3		1.80
Mehlich-1, K (SubTestCode 151) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	73.8			220.7			140.4			57.0			103.9		
Median Abs Dev															
Avg Within Lab SD	2.7			1.6			4.9			3.2			8.0		
Labs Included	4			4			4			4			4		
Labs Reporting	4			4			4			4			4		



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Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7HHZMC	3,683.7		1.61	2,520.7		1.57	975.1		0.58	902.2		0.40	1,026.0		0.21	
99MGL9	4,264.0			2,701.0			1,083.0			922.5			2,792.0			
LM4YVY	4,187.9		0.46	2,658.4		0.57	1,011.9		1.50	904.5		0.72	883.3		0.75	
VLHAPP	4,954.3		0.46	3,212.0		0.44	1,084.5		0.65	1,013.5		1.53	4,228.5		1.54	
Mehlich-1, Ca (SubTestCode 152) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	4,225.9			2,679.7			1,047.5			913.5			1,909.0			
Median Abs Dev																
Avg Within Lab SD	169.7			97.4			42.8			45.4			148.7			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



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Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
7HHZMC	413.5		0.03	370.4		1.16	63.3		0.56	122.2		0.44	41.5		0.13
99MGL9	444.6		0.00	365.7		0.00	71.6		0.00	128.3		0.00	118.6		0.00
LM4YVY	414.4		0.51	369.9		1.10	62.3		1.75	113.3		1.04	39.5		0.60
VLHAPP	636.3		1.93	580.2		1.20	67.8		0.80	146.0		1.65	173.7		1.90

Mehlich-1, Mg (SubTestCode 153) in the Mehlich-1 Multi Element (scoop) Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Grand Median	429.5			370.1			65.6			125.3			80.1	
Median Abs Dev	14.7			3.9			2.5			6.0			6.2		
Avg Within Lab SD	4			4			4			4			4		
Labs Included	4			4			4			4			4		
Labs Reporting	4			4			4			4			4		



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Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7HHZMC	22.5		0.51	43.3		0.74	30.8		0.85	7.5		0.39	2.6		0.88	
99MGL9	35.8		0.00	53.8		0.00	41.8		0.00	18.6		0.00	8.5		0.00	
LM4YVY	23.5		1.64	48.3		1.80	30.5		0.93	8.7		0.58	2.3		1.15	
VLHAPP	35.2		1.02	69.2		0.48	48.0		1.55	14.6		1.87	14.4		1.38	
Mehlich-1, Mn (SubTestCode 154) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	29.4			51.0			36.3			11.6			5.55			
Median Abs Dev																
Avg Within Lab SD	0.6			1.2			1.0			0.6			0.22			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



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Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
7HHZMC	1.02		1.12	1.02		1.88	0.72		1.34	1.48		1.23	0.83		1.08	
99MGL9	1.49		0.00	1.18		0.00	0.62		0.00	1.56		0.00	2.00			
LM4YVY	1.25		1.55	0.92		0.61	0.63		1.47	1.41		1.00	0.60		0.50	
VLHAPP	1.97		0.59	1.62		0.28	0.79		0.23	1.95		1.22	3.41		1.26	
Mehlich-1, Zn (SubTestCode 155) in the Mehlich-1 Multi Element (scoop) Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	1.37			1.10			0.67			1.52			1.41			
Median Abs Dev																
Avg Within Lab SD	0.09			0.06			0.07			0.12			0.13			
Labs Included	4			4			4			4			4			
Labs Reporting	4			4			4			4			4			



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Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups														Data units: g/cm ³		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	1.09	-1.19	1.02	1.05	-0.86	0.49	1.16	-0.91	0.66	1.00	-0.98	1.11	0.65	-0.95	0.25	
6ARZUT	1.31	0.63	2.23	1.24	0.70	2.13	1.27	0.17	0.66	1.31	1.43	0.96	0.80	1.48	2.57	
7JYWFB	1.31	0.66	0.00	1.25	0.75		1.33	0.76	1.14	1.22	0.74	0.00	0.71	0.13	0.89	
9NGA6N	1.09	-1.16	0.00	1.00	-1.20	0.49	1.11	-1.43	0.38	1.01	-0.90	0.56	0.70	-0.14	0.25	
FDXZK3	1.19	-0.35	0.41	1.14	-0.08	0.13	1.27	0.16	0.23	1.13	0.04	0.43	0.75	0.64	0.12	
J9ARMD	1.03	-1.68	0.82	0.96	-1.51	0.21	1.03	-2.23	1.76	0.91	-1.65	1.21	0.61	-1.56	0.17	
LM4YVY	1.23	0.02	0.03	1.16	0.00	0.74	1.22	-0.29	1.36	1.10	-0.19	1.12	0.75	0.70	0.03	
NB3ATU	1.23	0.00	1.07	1.18	0.23	1.17	1.27	0.12	0.83	1.14	0.14	1.62	0.71	0.00	0.64	
P4J7LR	2.21	8.08X	0.51	2.12	7.65X	1.47	2.20	9.29X	0.00	2.01	6.84X	3.65	1.32	9.95X	0.43	
V8XUK6	1.28	0.38		1.25	0.73		1.25	0.00		1.12	0.00		0.68	-0.47		

Mehlich-3, Scoop Density (SubTestCode 156) in the Mehlich-3 Multi-Element Property Groups						Data units: g/cm ³				
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	1.23		1.16		1.25		1.12		0.71	
Median Abs Dev	0.08		0.09		0.03		0.10		0.04	
Avg Within Lab SD	0.01		0.01		0.02		0.01		0.02	
Labs Included	9		9		9		9		9	
Labs Reporting	10		10		10		10		10	



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Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8LWXTD	40.0	-0.69	0.74	21.8	-0.16	0.75	37.3	-1.18	0.47	19.5	-1.73	0.47	204.3	0.05	0.93
FDXZK3	45.2	0.75	0.31	22.1	0.00	0.15	39.8	0.00	0.00	30.0	10.40X	0.27	107.6	-2.31	0.27
GDUZX8	45.8	0.93	1.39	24.1	1.04	0.58	40.9	0.52	0.58	21.3	0.38	1.12	241.5	0.96	2.09
HHZTR4	38.4	-1.14	1.48	21.6	-0.26	1.30	38.5	-0.62	2.05	20.1	-1.02	0.94	208.5	0.15	0.41
NQRGN8	42.5	0.00	0.89	22.9	0.39	1.68	37.8	-0.94	1.15	21.8	0.92	1.32	175.0	-0.67	1.23
UWZUAL	45.7	0.89	1.13	27.0	2.61		41.7	0.89	0.47	21.0	0.00		202.3	0.00	0.12
YZ8JZK	41.3	-0.32	0.43	21.7	-0.25	0.75	41.0	0.57	0.82	21.0	0.00	0.94	178.3	-0.59	0.12

Mehlich-3, P Colorimetric (SubTestCode 157) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	42.5			22.1			39.8			21.0			202.3		
Median Abs Dev	2.7			0.5			1.3			0.6			24.0		
Avg Within Lab SD	1.4			0.8			1.2			1.1			9.7		
Labs Included	7			7			7			6			7		
Labs Reporting	7			7			7			7			7		



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Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	51.5	0.25	0.09	25.2	-0.52	0.21	44.8	0.67	0.22	35.2	-0.09	0.37	121.8	-1.66	0.06	
3TU2TU	47.8	-0.52	0.16	26.9	0.01	0.23	41.5	-0.14	0.30	38.5	0.61	0.09	259.0	0.87	0.71	
4FN8YW	57.2	1.43	0.01	29.9	1.02	0.06	46.9	1.18	0.08	44.2	1.84	0.03	242.9	0.58	0.01	
6ARZUT	50.5	0.04	0.50	26.3	-0.16	0.61	42.3	0.07	1.41	36.9	0.28	1.73	201.5	-0.19	0.11	
6DEHCD	54.3	0.84	1.01	30.7	1.26	1.38	43.0	0.23	1.08	32.7	-0.63	1.84	187.3	-0.45	0.62	
6QYWED	46.9	-0.69	0.40	24.8	-0.66	0.44	39.8	-0.56	0.24	35.1	-0.11	0.76	211.3	-0.01	0.53	
6UY9BD	50.8	0.11	0.34	27.3	0.14	0.60	38.4	-0.89	0.74	34.1	-0.33	3.09	128.2	-1.54	0.29	
7HHZMC	46.0	-0.88	0.57	24.3	-0.82	0.38	38.0	-1.00	0.54	34.0	-0.35	0.80	182.3	-0.54	0.16	
7JCQTQ	53.0	0.56	0.26	27.2	0.11	0.08	42.2	0.03	0.06	34.2	-0.31	0.08	126.6	-1.57	0.02	
7JYWFB	49.3	-0.19	0.19	26.7	-0.05	0.38	41.0	-0.26	0.54	42.3	1.44	0.46	237.3	0.47	1.26	
83L6NQ	52.0	0.36	0.33	28.0	0.38	0.66	39.0	-0.75	0.54	38.3	0.58	1.22	179.0	-0.60	0.40	
8EWH6Q	117.0	13.78X	0.83	70.9	14.53X	2.94	83.6	10.18X	2.15	68.6	7.07X	4.05	368.7	2.89X	0.71	
99MGL9	49.2	-0.22	0.66	25.2	-0.54	1.80	35.6	-1.59	0.17	36.2	0.12	0.75	199.5	-0.22	0.15	
9D2ERA	47.9	-0.49	0.76	25.8	-0.36	0.38	40.5	-0.38	0.22	38.5	0.62	1.30	266.8	1.02	0.42	
9NGA6N	48.0	-0.47		25.0	-0.60		43.0	0.23	0.54	36.7	0.22	0.46	187.3	-0.45	1.01	
9R3QM9	47.1	-0.65	0.00	26.2	-0.21	0.00	45.2	0.77	0.00	35.9	0.06	0.00	228.5	0.31		
ATQMM M	47.0	-0.68	0.72	23.9	-0.95	0.48	42.3	0.05	0.40	32.8	-0.61	0.57	234.0	0.41	0.07	
B6YPLP	64.3	2.90	1.40	35.8	2.94	1.63	41.9	-0.05	2.71	55.1	4.17	0.92	248.3	0.68	1.22	
CGPZB9	50.3	0.00	0.19	26.1	-0.23	0.17	42.0	-0.02	0.63	33.4	-0.48	0.29	210.3	-0.02	0.08	
EMRQQJ	51.4	0.24	0.30	27.3	0.15	0.87	42.0	-0.01	0.62	37.2	0.34	1.08	225.8	0.26	0.09	
FB8284	40.5	-2.01	4.92	27.9	0.36	3.22	36.4	-1.38	1.41	90.7	11.81X	74.53	183.3	-0.52	4.95	
FDXZK3	51.3	0.21	0.15	25.1	-0.56	0.08	45.2	0.77	0.00	34.2	-0.31	0.26	122.3	-1.65	0.16	
GDUZX8	49.6	-0.14	0.71	28.1	0.40	1.84	45.5	0.84	3.22	39.5	0.82	1.81	238.1	0.49	1.71	
HHZTR4	49.5	-0.17	0.33	26.5	-0.10	0.33	39.5	-0.62	0.25	33.9	-0.38	0.40	220.2	0.16	0.11	
J9ARMD	48.0	-0.47	0.23	23.8	-1.01	0.32	35.2	-1.68	0.57	29.3	-1.36	0.50	229.4	0.33	0.10	



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Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
KWEZGY	18.7	-6.53X	0.38	36.0	3.02	0.66	29.3	-3.12	0.31	21.0	-3.14	0.80	101.7	-2.03	0.08	
MDDWQ9	52.9	0.55	0.63	31.0	1.36	0.51	44.5	0.59	0.63	35.6	0.00	0.79	172.1	-0.73	0.87	
NB3ATU	53.8	0.74	0.07	29.1	0.76	0.17	44.7	0.65	0.19	38.9	0.69	0.40	395.0	3.38X	1.29	
NQRGN8	44.7	-1.15	0.66	26.4	-0.16	2.29	36.1	-1.46	0.08	33.7	-0.42	0.06	129.0	-1.52	0.75	
P2R88U	43.9	-1.31	0.13	22.4	-1.47	0.23	42.1	0.00	0.70	35.6	-0.01	0.63	171.2	-0.75	0.91	
P4J7LR	54.1	0.79	0.12	28.5	0.53	0.25	46.3	1.04	0.52	39.5	0.83	0.15	226.5	0.27	0.31	
P7ZVHA	56.0	1.18	1.03	26.8	0.00	2.10	40.8	-0.30	2.60	35.2	-0.10	1.96	237.7	0.48	0.50	
PDLNWV	56.7	1.33	0.19	29.4	0.84	0.08	43.1	0.24	0.07	39.4	0.81	0.56	285.0	1.35	0.32	
QCABRY	48.3	-0.40	0.36	28.0	0.38	0.33	44.1	0.50	0.88	37.1	0.31	0.60	251.1	0.73	0.38	
RHQ78T	46.5	-0.78	0.87	27.4	0.20	0.54	41.8	-0.06	0.94	36.7	0.24	1.01	263.1	0.95	0.48	
UZ3RHT	215.3	34.07X	6.55	19.8	-2.33	0.17	31.5	-2.59	0.47	28.5	-1.53	0.40	216.7	0.09	0.26	
V8XUK6	56.3	1.24	1.14	29.1	0.76	1.37	42.7	0.17	1.21	66.5	6.61X	15.33	155.6	-1.03	0.79	
XTAQRQ	49.7	-0.12	0.19	24.7	-0.71	0.38	43.7	0.39	0.31	35.0	-0.13		236.3	0.45	0.03	
YZ8JZK	51.7	0.29	0.38	26.7	-0.05	0.38	44.0	0.47	1.08	34.7	-0.21	0.46	196.3	-0.28	0.22	
ZWGWJG	53.0	0.56		27.3	0.16	0.38	44.3	0.56	0.31	38.0	0.51	0.80	212.0	0.01	0.05	

Mehlich-3, P ICP-AES (SubTestCode 158) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	50.3			26.8			42.1			35.6			211.7			
Median Abs Dev	2.7			1.6			2.3			1.8			27.4			
Avg Within Lab SD	3.0			1.5			1.8			1.3			18.8			
Labs Included	37			39			39			37			38			
Labs Reporting	40			40			40			40			40			



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Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	151.2	-0.01	0.15	439.7	0.26	0.16	194.4	-0.34	0.08	78.1	0.00	0.14	82.8	-1.47	0.03	
3TU2TU	146.1	-0.35	0.07	444.2	0.38	0.46	196.7	-0.21	0.06	83.2	0.48	1.67	285.6	1.15	2.79	
4FN8YW	155.2	0.25	0.02	466.4	0.98	0.02	226.8	1.57	0.03	104.9	2.51	0.02	278.1	1.05	0.05	
6ARZUT	157.6	0.41	1.10	515.8	2.32	0.60	214.5	0.84	2.44	92.6	1.36	1.13	178.7	-0.23	0.17	
6DEHCD	158.0	0.44	0.73	429.0	-0.03	0.44	217.7	1.03	0.78	81.0	0.27	1.77	180.0	-0.21	0.59	
6QYWED	146.9	-0.30	0.19	418.8	-0.31	0.98	200.2	0.00	1.61	70.9	-0.67	0.58	202.7	0.08	0.59	
7HHZMC	148.3	-0.20	0.09	421.0	-0.25	0.65	189.3	-0.64	0.58	71.3	-0.63	0.97	162.3	-0.44	0.27	
7JCQTQ	148.2	-0.21	0.02	419.3	-0.29	0.01	210.2	0.59	0.01	71.3	-0.64	0.05	150.2	-0.60	0.01	
7JYWFB	180.7	1.93	0.33	511.7	2.21	2.10	255.7	3.26	1.11	111.7	3.14X	3.73	280.3	1.08	3.15	
83L6NQ	172.0	1.36	0.89	475.0	1.22	1.59	217.0	0.99	1.00	82.3	0.40	0.80	145.7	-0.66	0.08	
8EWH6Q	134.5	-1.11	0.05	411.8	-0.50	0.98	175.4	-1.46	0.46	70.2	-0.74	0.57	267.2	0.91	1.54	
8LWXTD	140.0	-0.75	0.64	400.0	-0.82	0.49	191.3	-0.53	0.87	69.3	-0.82	0.37	196.7	0.00	0.42	
99MGL9	161.3	0.65	0.99	431.4	0.03	0.63	190.3	-0.58	0.14	87.4	0.87	0.41	205.2	0.11	0.43	
9D2ERA	145.3	-0.40	0.99	422.3	-0.21	1.87	189.0	-0.66	0.35	80.5	0.23	0.71	337.1	1.81	0.92	
9NGA6N	144.7	-0.44	0.18	416.0	-0.38	0.49	205.0	0.28	0.57	72.3	-0.54	0.37	156.0	-0.52	1.65	
9R3QM9	148.8	-0.17	0.00	427.7	-0.07	0.00	207.3	0.42	0.00	70.3	-0.73	0.00	194.1	-0.03	0.00	
ATQMM M	162.3	0.72	0.95	447.0	0.46	1.62	202.8	0.15	0.52	85.4	0.69	0.30	232.2	0.46	0.32	
B6YPLP	162.7	0.75	0.61	456.3	0.71	1.18	205.3	0.30	0.72	75.3	-0.27	0.70	196.7	0.00	2.24	
CGPZB9	151.7	0.02	0.09	403.0	-0.74	0.92	190.3	-0.58	0.16	73.5	-0.43	0.13	205.3	0.11	0.25	
EMRQQJ	144.6	-0.45	0.25	402.2	-0.76	0.08	194.5	-0.34	0.24	72.8	-0.50	0.49	195.2	-0.02	0.08	
FB8284	144.9	-0.43	0.33	408.2	-0.60	1.63	195.6	-0.27	0.01	77.9	-0.02	0.64	339.1	1.84	0.82	
FDXZK3	155.9	0.30	0.16	439.3	0.25	0.13	203.8	0.21	0.21	76.5	-0.15	0.15	88.4	-1.40	0.13	
HHZTR4	144.7	-0.44	0.16	415.5	-0.40	0.07	192.7	-0.44	0.14	71.9	-0.58	0.32	192.2	-0.06	0.07	
J9ARMD	157.5	0.40	0.47	412.7	-0.48	0.13	202.1	0.11	0.53	82.3	0.40	0.97	216.0	0.25	0.22	
KWEZGY	238.3	5.74X	1.22	69.0	-9.80X	0.12	440.0	14.12X	0.71	51.0	-2.54X		375.0	2.30	0.33	



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Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
MDDWQ9	146.2	-0.35	0.27	437.8	0.21	0.90	176.9	-1.37	0.83	63.0	-1.42	0.14	122.5	-0.96	1.00	
NB3ATU	156.7	0.35	0.09	455.3	0.68	0.78	199.7	-0.03	0.30	78.4	0.02	0.04	245.7	0.63	1.18	
NQRGN8	135.5	-1.05	0.34	403.0	-0.74	0.86	193.0	-0.43	0.60	65.5	-1.18	0.22	103.0	-1.21	0.19	
P2R88U	180.3	1.91	1.29	388.0	-1.14	1.39	200.3	0.00	1.51	98.3	1.89	1.50	189.0	-0.10	0.20	
P4J7LR	151.5	0.01	0.31	455.0	0.67	0.43	205.8	0.32	0.15	78.4	0.02	0.41	185.8	-0.14	0.24	
P7ZVHA	170.7	1.27	1.44	488.0	1.57	0.61	232.8	1.92	2.39	80.3	0.21	1.15	233.2	0.47	1.18	
PDLNWW	182.4	2.05	0.35	517.6	2.37	1.75	225.2	1.47	0.76	95.4	1.61	1.27	399.5	2.61	0.70	
QCABRY	161.5	0.67	0.41	452.5	0.60	1.75	215.5	0.90	0.61	90.1	1.13	0.74	242.5	0.59	0.03	
RHQ78T	151.3	-0.01	0.67	432.0	0.05	0.85	197.0	-0.19	0.58	82.2	0.39	1.40	236.8	0.52	0.56	
UZ3RHT	187.0	2.35	4.48	419.3	-0.30	1.19	196.7	-0.21	0.79	78.8	0.07	0.72	183.3	-0.17	1.19	
V8XUK6	176.4	1.65	1.90	480.5	1.36	0.79	231.9	1.86	3.42	103.6	2.39	3.66	121.9	-0.96	1.36	
XTAQRQ	140.0	-0.75		405.0	-0.68		193.3	-0.41	0.08	76.7	-0.13	0.18	206.3	0.12	0.04	
YZ8JZK	141.7	-0.64	1.20	411.0	-0.52	0.97	192.0	-0.49	0.14	73.3	-0.45	0.80	161.3	-0.46	0.20	
ZWGWJG	150.3	-0.07	0.51	433.3	0.09	0.70	204.0	0.22	0.93	76.7	-0.13	1.32	150.0	-0.60	0.33	

Mehlich-3, K (SubTestCode 159) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	151.4			430.2			200.3			78.1			196.7		
Median Abs Dev	6.7			18.8			7.4			5.3			40.1			
Avg Within Lab SD	6.3			8.2			7.0			3.1			15.2			
Labs Included	38			38			38			37			39			
Labs Reporting	39			39			39			39			39			



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Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	5,325.7	0.72	0.21	3,416.0	-0.26	0.27	979.7	-0.39	0.35	935.0	-0.38	0.12	1,159.0	-1.72	0.01	
3TU2TU	4,585.2	-0.98	0.08	3,212.2	-0.87	0.52	908.4	-0.98	0.24	925.7	-0.50	0.14	3,473.6	0.73	1.81	
4FN8YW	5,339.9	0.75	0.07	3,598.1	0.29	0.10	1,219.6	1.59	0.10	1,089.5	1.65	0.08	3,676.4	0.95	0.04	
6ARZUT	5,464.8	1.04	1.57	4,157.9	1.97	2.15	1,052.8	0.21	2.29	994.2	0.40	1.90	2,762.8	-0.02	0.47	
6DEHCD	5,394.7	0.88	1.02	3,732.3	0.69	0.65	1,179.0	1.25	0.96	981.0	0.23	0.20	2,556.0	-0.24	0.08	
6QYWED	4,614.0	-0.92	0.65	3,090.3	-1.24	0.53	935.4	-0.76	0.24	848.4	-1.52	0.66	2,724.0	-0.06	0.17	
7HHZMC	4,507.3	-1.16	0.35	3,238.7	-0.79	0.68	1,043.7	0.14	0.44	941.0	-0.30	0.98	2,306.0	-0.50	0.17	
7JYWFB	5,066.7	0.13	0.63	3,610.0	0.32	1.41	1,406.7	3.13X	2.48	1,253.3	3.81X	0.19	3,330.0	0.58	2.81	
83L6NQ	5,385.3	0.86	1.28	3,490.3	-0.04	1.53	1,067.3	0.33	0.85	959.3	-0.06	1.50	2,045.7	-0.78	0.31	
8EWH6Q	5,148.8	0.31	0.87	3,594.4	0.28	0.95	947.5	-0.66	0.75	963.8	0.00	0.58	3,889.7	1.17	1.10	
8LWXTD	4,865.3	-0.34	0.38	3,209.7	-0.88	0.52	924.0	-0.85	0.60	913.7	-0.66	0.60	2,775.7	-0.01	0.20	
99MGL9	4,916.7	-0.22	0.07	3,975.0	1.42	1.82	1,171.3	1.19	1.20	1,085.5	1.60	0.12	145.7	-2.79X	0.01	
9D2ERA	5,113.0	0.23	2.14	3,553.7	0.15	0.87	975.8	-0.42	0.31	994.4	0.40	1.95	4,727.3	2.06	0.44	
9NGA6N	4,827.0	-0.43	0.45	3,231.3	-0.82	0.59	1,009.3	-0.15	1.02	903.3	-0.79	0.36	2,198.3	-0.62	1.54	
9R3QM9	4,870.6	-0.33	0.00	3,304.4	-0.60	0.00	1,012.8	-0.12	0.00	864.3	-1.31	0.00	2,664.1	-0.12	0.00	
ATQMM M	5,081.6	0.16	1.00	3,662.8	0.48	1.89	1,067.2	0.33	0.86	980.4	0.22	0.66	3,032.8	0.27	0.64	
B6YPLP	5,533.3	1.20	0.68	3,873.3	1.11	0.92	1,230.7	1.68	0.76	1,130.0	2.19	0.67	3,443.3	0.70	2.57	
CGPZB9	4,590.7	-0.97	0.03	3,081.7	-1.26	0.37	895.7	-1.08	0.09	838.3	-1.65	0.26	2,755.7	-0.03	0.13	
FB8284	4,745.9	-0.61	0.62	3,280.4	-0.67	1.09	1,051.2	0.20	0.37	964.1	0.00	0.14	4,297.8	1.61	0.45	
HHZTR4	4,616.4	-0.91	0.63	3,362.0	-0.42	0.25	1,004.1	-0.19	0.57	920.8	-0.56	2.52	2,781.7	0.00	0.09	
J9ARMD	5,736.4	1.67	0.59	3,740.5	0.72	0.49	1,095.5	0.56	0.71	981.9	0.24	0.51	3,463.9	0.72	0.27	
KWEZGY	2,054.7	-6.80X	0.30	3,751.3	0.75	0.62	3,766.7	22.58X	1.64	453.3	-6.71X	0.92	3,784.7	1.06	0.12	
MDDWQ9	5,071.3	0.14	0.13	3,514.7	0.04	0.66	953.3	-0.61	1.40	865.0	-1.30	0.03	1,831.0	-1.01	1.06	
NB3ATU	4,959.7	-0.12	0.31	3,455.3	-0.14	0.47	957.0	-0.58	0.35	952.0	-0.15	0.28	3,524.7	0.79	1.06	
NQRGN8	4,626.0	-0.89	0.03	3,126.5	-1.13	0.72	1,058.5	0.26	0.18	1,023.5	0.79	0.54	1,570.5	-1.28	0.39	



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Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
P2R88U	4,714.7	-0.68	0.69	2,969.3	-1.60	0.28	926.7	-0.83	2.86	870.3	-1.23	0.63	1,980.3	-0.85	0.32	
P4J7LR	5,064.7	0.12	0.54	3,524.0	0.06	0.35	997.3	-0.25	0.28	964.0	0.00	0.30	2,483.3	-0.32	0.93	
P7ZVHA	5,534.2	1.20	0.45	3,872.8	1.11	1.10	1,188.7	1.33	1.33	1,032.8	0.91	1.16	3,288.2	0.54	1.03	
PDLN WV	5,273.5	0.60	0.26	3,536.6	0.10	1.41	946.9	-0.66	0.70	956.8	-0.09	1.60	4,616.2	1.94	0.61	
QCABRY	4,829.7	-0.42	0.30	3,518.2	0.05	0.82	1,231.3	1.68	0.64	1,095.1	1.73	2.13	3,221.5	0.47	0.66	
RHQ78T	4,700.1	-0.72	0.10	3,290.8	-0.64	1.40	1,077.2	0.41	0.45	974.4	0.14	0.40	3,167.1	0.41	0.64	
UZ3RHT	2,638.3	-5.46X	2.44	3,297.3	-0.62	1.08	953.0	-0.61	0.40	934.8	-0.38	0.26	2,864.0	0.09	0.95	
V8XUK6	5,585.1	1.32	4.16	3,761.1	0.78	2.18	1,116.6	0.74	0.77	1,411.1	5.88X	0.62	1,746.1	-1.10	2.13	
XTAQRQ	4,881.0	-0.30	0.01	3,168.7	-1.00	0.01	955.0	-0.60		935.7	-0.37	0.02	2,961.0	0.19		
YZ8JZK	4,760.7	-0.58	0.24	3,226.3	-0.83	0.31	1,041.7	0.12	1.55	975.7	0.16	0.97	2,358.0	-0.45	0.07	
ZWGWJG	5,463.3	1.04	1.01	3,552.3	0.15	0.52	1,171.7	1.19	1.87	990.0	0.35	1.73	2,548.7	-0.25	0.49	

Mehlich-3, Ca (SubTestCode 160) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	5,012.2			3,502.5			1,027.2			963.8			2,781.7			
Median Abs Dev	304.8			226.0			73.1			30.5			548.3			
Avg Within Lab SD	157.7			81.6			35.3			30.0			217.1			
Labs Included	34			36			34			33			35			
Labs Reporting	36			36			36			36			36			



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Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	554.7	0.49	0.34	487.3	0.12	0.32	70.2	-0.33	0.32	155.0	0.79	0.38	68.9	-1.52	0.04	
3TU2TU	489.3	-0.81	0.06	457.8	-0.52	0.32	59.9	-1.19	0.11	139.9	-0.26	0.14	168.2	0.69	2.14	
4FN8YW	584.6	1.09	0.09	537.1	1.20	0.03	76.4	0.19	0.06	170.3	1.85	0.01	186.0	1.09	0.08	
6ARZUT	606.0	1.51	0.80	546.6	1.41	0.84	88.6	1.21	0.25	181.6	2.64	1.19	140.8	0.08	0.52	
6DEHCD	571.0	0.82	0.11	517.7	0.78	0.22	81.3	0.61	0.63	144.7	0.07	0.61	121.7	-0.34	0.31	
6QYWED	509.9	-0.40	0.37	435.4	-1.00	0.12	66.6	-0.63	0.53	129.1	-1.01	0.51	137.3	0.01	0.30	
7HHZMC	514.3	-0.31	0.25	462.3	-0.42	0.53	73.0	-0.09	0.30	132.0	-0.81	1.05	109.0	-0.63	0.27	
7JYWFB	634.7	2.08	0.57	571.3	1.94	1.42	91.7	1.47	0.46	196.3	3.66X	0.61	182.0	1.00	2.83	
83L6NQ	601.0	1.41	0.87	529.3	1.03	0.47	83.0	0.75	0.80	153.7	0.70	0.76	106.0	-0.69	0.27	
8EWH6Q	551.3	0.42	0.36	511.8	0.65	0.84	67.6	-0.55	0.10	147.8	0.29	0.53	186.7	1.11	1.10	
8LWXTD	560.3	0.60	1.15	500.7	0.41	1.15	63.4	-0.90	0.98	129.7	-0.97	1.20	122.7	-0.32	0.51	
99MGL9	565.7	0.71	0.66	503.5	0.47	0.70	97.4	1.95	0.93	146.8	0.22	0.25	2,718.7	57.56X	7.37	
9D2ERA	515.0	-0.30	1.68	475.3	-0.14	0.61	61.3	-1.08	0.11	140.7	-0.21	1.58	214.7	1.73	0.35	
9NGA6N	517.7	-0.24	0.16	459.0	-0.49	0.44	71.3	-0.23	1.23	135.3	-0.58	0.39	101.7	-0.79	1.35	
9R3QM9	516.9	-0.26	0.00	465.6	-0.35	0.00	75.4	0.11	0.00	134.7	-0.62	0.00	129.9	-0.16	0.00	
ATQMM M	536.1	0.12	0.72	470.9	-0.23	0.87	78.5	0.37	0.18	144.5	0.06	0.55	159.0	0.49	0.27	
B6YPLP	637.3	2.13	0.06	564.7	1.80	0.50	89.4	1.29	0.83	176.7	2.29	0.58	175.7	0.86	3.17	
CGPZB9	471.3	-1.17	0.13	428.7	-1.15	0.36	64.8	-0.79	0.21	131.7	-0.83	0.29	131.7	-0.12	0.14	
FB8284	503.6	-0.52	0.23	461.9	-0.43	0.95	61.1	-1.10	0.24	135.5	-0.57	0.02	207.5	1.57	0.61	
HHZTR4	492.6	-0.74	1.05	457.3	-0.53	1.41	75.6	0.12	3.04	132.2	-0.80	1.88	132.6	-0.10	0.89	
J9ARMD	512.0	-0.36	0.33	450.4	-0.68	0.26	70.0	-0.35	0.50	129.9	-0.96	0.44	136.8	-0.01	0.18	
KWEZGY	266.7	-5.23X	0.30	368.3	-2.46X	0.20	709.0	53.30X	2.41	32.0	-7.77X	0.19	262.7	2.80X	0.27	
MDDWQ9	509.9	-0.40	0.48	485.5	0.08	0.41	70.9	-0.27	1.88	133.3	-0.72	0.11	86.2	-1.13	0.77	
NB3ATU	516.0	-0.28	0.14	481.7	0.00	0.35	60.3	-1.16	0.20	138.3	-0.37	0.29	161.0	0.53	0.85	
NQRGN8	476.0	-1.07	0.37	428.5	-1.15	1.44	75.3	0.09	1.61	140.0	-0.25	2.13	84.5	-1.17	0.56	



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Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
P2R88U	529.0	-0.02	2.19	507.0	0.55	1.07	113.3	3.29X	4.14	194.7	3.55X	2.03	185.7	1.08	0.72	
P4J7LR	554.3	0.48	0.11	500.0	0.40	0.14	85.7	0.97	0.29	147.6	0.27	0.55	131.8	-0.12	0.03	
P7ZVHA	627.2	1.93	1.44	569.7	1.91	1.68	86.3	1.02	0.92	157.2	0.94	1.58	160.2	0.52	1.34	
PDLNWW	513.9	-0.32	1.01	472.0	-0.21	1.08	62.3	-0.99	0.51	150.7	0.49	0.91	214.6	1.73	0.32	
QCABRY	534.5	0.09	0.45	484.8	0.07	0.49	76.8	0.22	0.68	149.6	0.41	0.36	165.3	0.63	0.21	
RHQ78T	530.9	0.02	0.31	468.0	-0.30	1.08	66.1	-0.67	0.81	133.3	-0.72	0.97	168.7	0.70	0.31	
UZ3RHT	123.3	-8.08X	0.86	464.5	-0.37	0.85	66.3	-0.65	0.23	143.0	-0.05	0.56	135.7	-0.03	0.71	
V8XUK6	573.8	0.87	4.07	531.8	1.09	3.55	83.4	0.77	3.11	161.0	1.21	2.63	86.5	-1.13	1.02	
XTAQRQ	516.0	-0.28	0.05	450.3	-0.68	0.04	72.7	-0.12	0.18	145.3	0.12	0.11	139.7	0.06	0.05	
YZ8JZK	518.7	-0.22	0.17	448.7	-0.72	0.94	77.3	0.27	0.35	143.7	0.00	1.44	120.0	-0.38	0.27	
ZWGWJG	552.7	0.45	0.43	496.0	0.31	1.10	78.7	0.38	0.35	146.3	0.19	1.25	118.7	-0.41	0.50	

Mehlich-3, Mg (SubTestCode 161) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	530.0			481.7			74.1			143.7			137.1			
Median Abs Dev	23.5			23.9			7.7			8.3			28.1			
Avg Within Lab SD	19.0			14.2			3.3			5.3			11.3			
Labs Included	34			35			34			33			34			
Labs Reporting	36			36			36			36			36			



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Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups

Data units: mg/kg

WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	17.5	0.96	0.52	15.6	1.09	0.23	15.4	1.36	0.62	19.5	1.49	0.59	18.2	-0.12	0.42
3TU2TU	10.1	-1.26	0.32	8.4	-1.02	0.05	5.7	-0.95	0.34	9.5	-1.07	0.08	18.0	-0.15	1.10
4FN8YW	9.4	-1.49	0.03	7.8	-1.18	0.04	3.7	-1.43	0.02	9.5	-1.05	0.01	29.0	2.02	0.17
6DEHCD	11.7	-0.80	0.75	12.7	0.24	0.85	14.3	1.11	0.71	16.3	0.69	0.85	19.7	0.17	0.97
6QYWED	13.3	-0.30	1.66	11.6	-0.09	1.27	7.5	-0.52	0.29	12.9	-0.19	1.33	17.6	-0.24	0.71
7HHZMC	14.3	0.00	0.75	12.3	0.14	0.85	9.0	-0.17	1.24	12.7	-0.25	0.85	16.0	-0.56	0.63
7JYWFB	16.7	0.70	1.49	12.7	0.24	1.71	9.3	-0.09	1.89	17.3	0.95	0.43	26.7	1.57	2.40
83L6NQ	15.0	0.21	0.52	13.1	0.36	0.60	11.2	0.36	0.47	13.0	-0.15	0.11	14.9	-0.77	0.33
8EWH6Q	12.5	-0.56	1.04	10.8	-0.32	2.18	7.8	-0.45	0.24	12.1	-0.39	0.49	20.6	0.35	0.34
99MGL9	18.8	1.34	2.14	15.5	1.07	0.45	11.9	0.52	0.55	17.4	0.95	0.77	19.7	0.19	0.76
9D2ERA	13.1	-0.37	1.10	11.0	-0.25	0.38	8.1	-0.38	0.30	12.2	-0.37	0.19	24.1	1.06	0.94
9NGA6N	10.3	-1.21	0.75	8.7	-0.94	0.85	6.0	-0.88		8.7	-1.27	0.43	11.3	-1.48	0.97
9R3QM9	14.5	0.05		12.4	0.16	0.00	11.3	0.38	0.00	14.6	0.25	0.00	19.8	0.20	0.00
ATQMM M	16.1	0.54	0.69	13.7	0.54	0.68	10.6	0.21	0.62	14.2	0.16	0.37	19.8	0.21	0.48
B6YPLP	13.9	-0.14	1.81	10.2	-0.49	1.31	7.1	-0.62	1.44	9.0	-1.18	0.80	18.2	-0.11	1.92
FB8284	48.3	10.23X	5.12	35.8	7.04X	2.56	44.4	8.29X	4.88	56.6	10.99X	2.29	75.1	11.19X	2.36
J9ARMD	17.8	1.04	1.06	13.5	0.49	1.06	11.5	0.44	0.93	18.4	1.22	4.19	21.4	0.52	0.87
KWEZGY	13.7	-0.20	0.75	11.7	-0.06	0.85	14.3	1.11	0.71	10.0	-0.93	0.74	31.7	2.56	0.97
MDDWQ9	18.1	1.13	0.59	16.5	1.36	0.60	11.8	0.50	0.80	14.7	0.28	0.28	19.4	0.12	0.96
NB3ATU	8.5	-1.76	0.26	6.8	-1.50	0.21	3.5	-1.49	0.07	6.8	-1.74	0.09	18.0	-0.16	0.89
NQRGN8	15.5	0.34	0.09	5.6	-1.84	1.55	4.9	-1.14	0.58	12.2	-0.38	0.78	12.7	-1.22	0.85
P2R88U	17.3	0.90	0.75	16.7	1.41	0.85	15.3	1.34	0.71	16.0	0.61		18.3	-0.09	1.46
P4J7LR	14.8	0.14	0.17	11.4	-0.15	1.68	10.2	0.13	0.76	14.2	0.14	0.31	16.6	-0.43	0.27
PDLNWV	8.6	-1.73	0.01	7.0	-1.42	0.31	3.3	-1.52	0.14	7.1	-1.68	0.53	18.8	0.00	0.46
QCABRY	16.1	0.53	1.14	15.7	1.13	0.30	12.2	0.59	0.61	15.0	0.35	0.40	23.1	0.85	0.38



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Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
RHQ78T	14.5	0.04	0.73	13.7	0.54	0.39	10.3	0.13	0.31	15.3	0.44	0.47	23.7	0.98	0.24	
V8XUK6	13.8	-0.15	1.84	11.3	-0.17	1.96	8.1	-0.38	3.43	13.8	0.03	0.88	11.1	-1.53	2.16	
YZ8JZK	13.3	-0.30	0.42	11.9	0.00	0.45	9.7	0.00	1.02	13.6	0.00	0.28	16.1	-0.54	0.28	
ZWGWJG	45.0	9.24X	4.65	45.0	9.74X	2.56	47.0	8.90X	4.95	50.7	9.48X	1.13	47.0	5.61X	0.63	

Mehlich-3, Na (SubTestCode 162) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	14.3			11.9			9.70			13.6			18.8			
Median Abs Dev	1.8			1.7			2.16			1.7			2.2			
Avg Within Lab SD	0.8			0.7			0.81			1.4			1.6			
Labs Included	27			27			27			27			27			
Labs Reporting	29			29			29			29			29			



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Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	19.5	0.31	0.08	13.2	-0.08	0.12	17.4	0.00	0.16	10.4	-0.46	0.28	35.1	-1.41	0.03	
3TU2TU	16.8	-0.28	0.01	11.9	-0.44	0.26	15.6	-0.72	0.22	10.9	-0.29	0.18	106.4	0.58	0.85	
4FN8YW	19.9	0.40	0.02	14.8	0.33	0.08	19.1	0.65	0.09	14.3	1.01	0.07	110.7	0.70	0.04	
6ARZUT	21.3	0.70	0.70	14.1	0.15	0.16	18.0	0.22	0.76	12.1	0.15	0.43	76.1	-0.27	0.10	
6DEHCD	14.0	-0.90	0.38	11.3	-0.59	0.53	14.7	-1.06	0.58	10.0	-0.63	1.42	58.3	-0.76	0.16	
6QYWED	16.1	-0.44	0.08	12.4	-0.29	0.19	16.2	-0.48	0.88	10.6	-0.41	0.40	83.8	-0.05	0.21	
7HHZMC	17.3	-0.17	0.22	12.0	-0.41		15.3	-0.80	0.58	10.7	-0.38	0.82	73.7	-0.33	0.15	
7JYWFB	18.0	-0.02		13.3	-0.06	0.53	18.7	0.49	0.58	13.3	0.63	0.82	108.3	0.63	1.19	
83L6NQ	22.0	0.87	0.38	16.0	0.66	0.23	19.1	0.68	0.70	13.1	0.54	0.51	65.3	-0.57	0.13	
8EWH6Q	6.0	-2.68	0.84	1.5	-3.20	0.45	14.5	-1.15	1.32	10.4	-0.48	2.10	134.3	1.36	0.50	
99MGL9	19.7	0.35	0.60	13.7	0.05	0.19	19.4	0.77	0.69	15.0	1.27	1.06	87.4	0.05	0.12	
9D2ERA	17.9	-0.04	0.14	14.0	0.12	0.10	16.7	-0.28	0.68	13.0	0.49	0.18	134.0	1.35	0.30	
9NGA6N	17.0	-0.24		11.3	-0.59	0.53	16.3	-0.41	0.58	9.7	-0.75	0.82	70.3	-0.43	0.71	
9R3QM9	16.6	-0.33	0.00	12.4	-0.30	0.00	16.6	-0.31	0.00	9.9	-0.66	0.00	79.9	-0.16	0.00	
ATQMM M	18.2	0.03	0.15	13.8	0.06	0.44	16.7	-0.26	0.36	12.0	0.14	0.21	94.1	0.24	0.11	
B6YPLP	23.2	1.13	0.08	15.7	0.57	0.40	20.8	1.31	2.16	13.9	0.84	1.02	127.3	1.16	1.48	
CGPZB9	16.9	-0.25	0.10	11.6	-0.51	0.05	15.2	-0.84	0.12	9.5	-0.82	0.43	82.7	-0.08	0.02	
FB8284	31.8	3.04	4.88	23.9	2.74	3.67	27.7	4.02X	8.78	63.2	19.45X	83.19	113.7	0.78	5.01	
GDUZX8	18.1	0.00	0.67	13.6	0.01	1.51	20.2	1.08	2.54	13.1	0.54	1.83	107.3	0.60	0.68	
J9ARMD	45.6	6.08X	0.43	29.5	4.20X	1.10	20.4	1.18	0.75	13.7	0.77	0.71	106.6	0.59	0.18	
KWEZGY	10.3	-1.71	0.22	27.7	3.73	0.53	18.7	0.49	0.58	6.0	-2.14		17.3	-1.90	0.04	
MDDWQ9	18.6	0.12	0.60	16.6	0.80	1.34	16.9	-0.20	2.16	7.2	-1.70	2.72	52.7	-0.92	0.23	
NB3ATU	14.8	-0.73	0.15	9.5	-1.06	0.07	14.1	-1.28	0.17	10.1	-0.60	0.56	123.0	1.04	0.68	
NQRGN8	17.3	-0.17	0.11	13.6	0.00	0.33	16.2	-0.48	0.78	14.3	0.99	1.61	35.0	-1.41	0.16	
P2R88U	16.3	-0.39	0.44	12.7	-0.23	2.83	19.7	0.88	1.53	11.7	0.00	0.82	64.0	-0.60	0.22	



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Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
P4J7LR	18.0	-0.02	0.15	13.4	-0.05	0.41	19.1	0.66	1.00	11.4	-0.10	0.33	89.1	0.10	0.19
PDLNWV	589.3	126.34X	18.83	667.9	172.88X	25.96	1,099.3	420.92X	48.61	671.4	248.84X	64.45	1,139.3	29.40X	2.88
QCABRY	19.7	0.37	0.30	13.7	0.04	0.60	19.3	0.73	0.81	13.7	0.78	0.58	102.3	0.47	0.01
RHQ78T	18.6	0.10	0.27	12.7	-0.22	0.28	17.5	0.03	0.50	11.8	0.05	0.34	94.5	0.25	0.03
V8XUK6	19.7	0.35	0.87	14.8	0.34	0.41	17.4	0.00	1.44	22.0	3.89X	7.43	51.0	-0.97	0.65
XTAQRQ	29.3	2.49	0.22	21.0	1.97		18.9	0.60	0.06	14.8	1.17	0.00	87.6	0.06	0.00
YZ8JZK	26.5	1.87	0.36	17.7	1.10	0.59	11.1	-2.47	1.01	7.9	-1.43	1.16	38.5	-1.31	0.20
ZWGWJG	20.0	0.42		12.7	-0.23	0.53	18.3	0.37	0.58	11.7	0.00	0.82	69.3	-0.45	0.04

Mehlich-3, S (SubTestCode 163) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	18.1			13.6			17.4			11.7			85.6		
Median Abs Dev	1.6			1.2			1.7			1.6			21.3		
Avg Within Lab SD	2.6			1.1			1.0			0.7			15.6		
Labs Included	31			31			31			30			32		
Labs Reporting	33			33			33			33			33		



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Mehlich-3, Al (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	491.3	0.00	0.04	552.6	-0.49	0.11	946.9	-0.32	1.68	619.4	0.04	0.11	930.0	0.37	0.97	
4FN8YW	630.5	2.56	0.04	720.8	3.06X	0.06	1,246.2	2.41	0.08	844.4	2.59	0.04	1,174.1	1.23	0.03	
6ARZUT	511.2	0.36	1.12	575.8	0.00	1.68	908.1	-0.67	1.11	659.9	0.50	0.05	780.3	-0.16	0.91	
6DEHCD	507.0	0.29	0.34	573.0	-0.06	0.31	982.0	0.00	0.26	604.3	-0.13	0.16	720.0	-0.37	0.11	
6QYWED	467.5	-0.44	0.84	521.5	-1.15	0.42	959.6	-0.20	0.66	566.4	-0.56	0.04	783.7	-0.15	0.17	
7HHZMC	426.7	-1.19	0.60	491.7	-1.78	0.35	822.7	-1.45	0.73	490.0	-1.43	0.45	630.3	-0.69	0.17	
7JYWFB	422.3	-1.27	1.11	599.3	0.50	1.61	1,163.3	1.65	0.92	756.0	1.59	0.24	941.3	0.41	2.62	
83L6NQ	500.3	0.17	1.40	579.3	0.07	0.79	913.7	-0.62	0.70	609.0	-0.08	0.47	615.3	-0.74	0.56	
9D2ERA	543.5	0.96	0.42	605.2	0.62	0.68	1,028.3	0.42	0.56	682.9	0.76	0.66	1,143.0	1.12	0.37	
ATQMM M	470.7	-0.38	0.65	574.8	-0.02	2.16	911.9	-0.64	0.14	586.4	-0.33	0.11	893.2	0.24	0.09	
FB8284	459.9	-0.58	0.85	523.8	-1.10	1.02	901.5	-0.73	1.18	574.6	-0.47	0.44	866.2	0.15	0.20	
KWEZGY	790.0	5.50X	1.28	645.0	1.46	1.18	621.7	-3.29X	0.42	550.0	-0.75	3.97	306.7	-1.83	0.11	
MDDWQ9	477.1	-0.26	0.30	540.7	-0.74	0.48	873.7	-0.99	0.65	530.8	-0.97	0.04	475.2	-1.24	2.04	
NB3ATU	526.3	0.64	0.17	608.3	0.69	0.71	1,009.7	0.25	0.57	623.0	0.08	0.11	1,321.7	1.75	1.54	
P4J7LR	497.0	0.10	0.41	594.3	0.39	0.20	1,001.0	0.17	0.42	658.7	0.48	0.16	783.3	-0.15	0.66	
PDLN WV	2.4	-9.00X	0.00	1.8	-12.12X	0.00	0.9	-8.95X	0.00	2.6	-6.95X	0.00	3.2	-2.90X	0.00	
QCABRY	461.1	-0.56	1.94	579.8	0.08	0.41	1,031.7	0.45	1.21	615.9	0.00	0.45	907.4	0.29	0.24	
RHQ78T	470.2	-0.39	0.32	544.1	-0.67	0.44	984.5	0.02	0.65	615.9	0.00	0.86	947.7	0.43	0.31	
V8XUK6	562.6	1.31	2.43	654.0	1.65	1.36	1,030.4	0.44	2.45	738.0	1.38	0.25	591.9	-0.82	1.28	

Mehlich-3, Al (SubTestCode 164) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	491.3			575.8			982.0			615.9			825.0		
Median Abs Dev	23.9			29.4			49.7			43.3			119.6			
Avg Within Lab SD	13.5			12.7			25.0			41.4			50.3			
Labs Included	17			17			17			18			18			
Labs Reporting	19			19			19			19			19			



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Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	2.07	-0.40	0.26	1.40	-0.49	0.14	0.86	0.07	0.21	2.12	-0.03	0.10	1.44	-1.27	0.05	
3TU2TU	2.00	-0.61	0.08	1.53	-0.18	0.37	0.80	-0.09	0.46	2.22	0.20	0.19	2.94	0.44	0.69	
4FN8YW	2.72	1.45	0.12	2.17	1.42	0.07	1.73	2.62	0.16	3.53	3.15	0.22	3.13	0.66	0.04	
6ARZUT	2.12	-0.26	1.43	1.52	-0.21	1.43	0.77	-0.18	0.31	2.18	0.10	2.66	2.14	-0.46	0.90	
6DEHCD	2.30	0.25	1.62	1.85	0.63	0.60	1.27	1.26	0.59	2.27	0.30	0.55	2.13	-0.48	0.20	
6QYWED	2.37	0.46	2.60	2.41	2.02	1.03	2.07	3.60	1.18	3.30	2.64	0.89	3.69	1.30	1.58	
7HHZMC	2.10	-0.33	0.81	1.60	0.00	1.20	0.93	0.29	0.59	2.10	-0.08	0.96	2.20	-0.40	0.00	
7JYWFB	1.77	-1.28	0.47	1.10	-1.25	0.00	0.23	-1.75	0.59	2.00	-0.30	0.96	2.33	-0.25	1.08	
83L6NQ	2.26	0.13	0.85	1.61	0.02	0.37	0.79	-0.12	0.33	2.13	0.00	0.70	2.12	-0.49	0.34	
8EWH6Q	1.06	-3.31	1.78	0.44	-2.90	0.60	0.40	-1.27	0.49	1.82	-0.72	1.51	1.63	-1.05	1.35	
99MGL9	2.21	-0.01	0.53	1.46	-0.36	1.62	0.72	-0.34	0.02	2.01	-0.29	1.34	2.46	-0.10	0.50	
9D2ERA	1.92	-0.85	0.82	1.44	-0.41	0.28	0.72	-0.32	0.12	2.11	-0.05	0.91	2.87	0.37	0.22	
9NGA6N	2.17	-0.13	0.47	1.53	-0.17	0.69	0.83	0.00	0.59	2.10	-0.08	0.00	2.30	-0.29	0.61	
9R3QM9	1.99	-0.64	0.00	1.46	-0.35	0.00	0.77	-0.18	0.00	1.90	-0.53	0.00	2.60	0.06	0.00	
ATQMM M	2.32	0.30	0.33	1.68	0.19	0.90	0.91	0.22	0.36	1.93	-0.45	0.18	2.98	0.49	0.12	
B6YPLP	3.45	3.55	1.11	2.96	3.40	3.36	1.49	1.90	1.50	2.90	1.73	1.16	3.61	1.21	0.83	
CGPZB9	2.21	0.00	0.41	1.56	-0.10	1.53	0.68	-0.44	0.21	2.09	-0.09	0.29	2.36	-0.21	0.51	
FB8284	6.17	11.37X	10.91	6.38	11.98X	9.40	5.25	12.87X	6.42	7.42	11.94X	15.36	6.33	4.32X	3.05	
J9ARMD	2.54	0.95	0.26	1.88	0.70	0.92	0.69	-0.42	0.51	1.85	-0.64	0.56	2.67	0.14	0.16	
KWEZGY	1.77	-1.28	1.69	2.57	2.42	0.69	19.67	54.86X	5.93	3.67	3.46	0.55	4.67	2.41	0.54	
MDDWQ9	1.78	-1.26	0.66	1.28	-0.79	0.37	0.72	-0.32	0.95	1.71	-0.96	0.53	1.44	-1.27	1.19	
NB3ATU	2.05	-0.48	0.09	1.56	-0.11	0.14	0.80	-0.08	1.20	2.22	0.19	0.22	5.51	3.38	4.23	
NQRGN8	2.10	-0.33	1.03	1.63	0.08	1.02	1.01	0.51	0.58	2.26	0.27	1.15	1.91	-0.74	0.62	
P2R88U	2.43	0.63	1.24	1.90	0.75	1.20	1.43	1.75	4.28	2.47	0.75	1.10	2.70	0.17	1.41	
P4J7LR	2.30	0.25	0.81	1.67	0.17	0.69	0.97	0.41	0.26	2.33	0.45	0.31	2.55	0.00	0.35	



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Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
P7ZVHA	2.25	0.11	2.11	1.50	-0.25	1.20	0.72	-0.34	0.30	1.93	-0.45	0.55	2.00	-0.63	0.35
PDLNWV	94.14	264.21X	15.85	183.88	456.96X	36.00	259.11	752.36X	19.18	101.43	224.28X	5.31	12.67	11.54X	2.14
QCABRY	2.34	0.37	0.34	1.71	0.26	0.31	0.87	0.11	0.34	1.98	-0.35	0.27	3.04	0.56	0.20
RHQ78T	2.15	-0.18	0.26	1.56	-0.11	0.50	0.79	-0.12	0.31	1.96	-0.38	0.59	3.20	0.75	0.21
V8XUK6	2.36	0.41	0.75	1.75	0.36	0.42	0.97	0.40	1.31	2.37	0.52	3.04	1.90	-0.75	0.27
XTAQRQ	2.30	0.26	0.05	1.58	-0.04	0.07	0.99	0.45	0.06	2.56	0.96	0.00	2.57	0.02	0.00
YZ8JZK	2.32	0.29	0.15	1.70	0.25	0.00	0.83	0.00	0.59	2.18	0.11	0.42	2.13	-0.48	0.13
ZWGWJG	2.27	0.15	0.47	1.80	0.50	1.20	1.07	0.68	0.59	2.43	0.68	0.55	2.63	0.10	0.20

Mehlich-3, Zn (SubTestCode 165) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg				
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	2.21		1.60		0.83		2.13		2.55	
Median Abs Dev	0.13		0.14		0.12		0.17		0.42	
Avg Within Lab SD	0.12		0.08		0.10		0.10		0.28	
Labs Included	31		31		30		31		31	
Labs Reporting	33		33		33		33		33	



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Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	72.1	0.67	1.30	154.3	1.15	1.56	252.3	1.99	1.38	80.7	1.19	1.06	8.4	0.34	1.17	
3TU2TU	65.6	0.00	0.05	143.1	0.51	0.15	197.3	0.10	0.48	70.0	0.36	0.51	6.1	-0.64	0.65	
4FN8YW	71.0	0.55	0.01	134.5	0.01	0.04	210.8	0.57	0.01	81.3	1.23	0.00	11.3	1.58	0.03	
6ARZUT	58.8	-0.71	1.22	128.3	-0.34	1.74	177.0	-0.59	1.47	51.5	-1.06	1.29	6.5	-0.44	1.38	
6DEHCD	62.7	-0.31	1.54	123.7	-0.61	1.02	193.7	-0.02	1.38	60.7	-0.35	0.72	7.6	0.00	0.36	
6QYWED	65.2	-0.05	1.04	119.3	-0.86	1.89	173.7	-0.71	2.68	58.5	-0.52	0.23	8.1	0.23	0.54	
7HHZMC	57.0	-0.90	0.44	127.0	-0.42	0.85	179.3	-0.52	0.94	58.7	-0.51	0.72	6.3	-0.52	1.00	
7JYWFB	69.0	0.34	0.88	151.0	0.96	1.13	217.3	0.79	0.52	65.7	0.03	0.16	5.7	-0.81	1.00	
83L6NQ	76.3	1.10	0.67	149.7	0.88	0.62	195.0	0.02	1.18	69.0	0.29	0.28	7.5	-0.03	0.17	
8EWH6Q	77.4	1.21	1.68	155.1	1.19	0.58	216.0	0.75	1.75	82.8	1.35	1.31	8.7	0.47	0.65	
99MGL9	65.2	-0.05	0.51	127.9	-0.37	1.91	185.2	-0.31	1.35	65.3	0.00	0.44	5.5	-0.86	0.18	
9D2ERA	68.2	0.26	1.55	139.6	0.30	0.70	187.9	-0.22	0.25	69.7	0.34	0.52	9.4	0.80	0.89	
9NGA6N	60.3	-0.55	0.51	125.7	-0.49	0.14	177.3	-0.58	0.39	55.3	-0.76	0.92	6.3	-0.52	1.00	
9R3QM9	61.1	-0.47	0.00	135.9	0.09	0.00	206.2	0.41	0.00	58.7	-0.50	0.00	7.8	0.12	0.00	
ATQMM M	58.5	-0.74	1.13	123.4	-0.63	0.49	172.6	-0.75	0.84	53.1	-0.93	0.31	8.1	0.22	0.31	
B6YPLP	88.3	2.34	0.79	157.0	1.30	1.23	227.0	1.12	0.17	82.6	1.33	0.64	4.9	-1.14	0.37	
CGPZB9	65.7	0.00	0.37	117.9	-0.94	0.11	160.7	-1.16	0.10	58.7	-0.51	0.29	9.6	0.87	0.75	
FB8284	61.5	-0.43	0.63	123.4	-0.62	1.54	171.3	-0.79	0.60	55.3	-0.77	0.66	2.0	-2.39	1.72	
J9ARMD	76.5	1.12	0.64	154.9	1.18	0.94	229.5	1.21	0.69	70.5	0.40	0.72	3.6	-1.68	0.20	
KWEZGY	85.3	2.03	0.67	14.3	-6.88X	0.14	6.5	-6.45X	0.09	87.0	1.67	0.75	130.0	52.09X		
MDDWQ9	63.6	-0.21	0.34	129.9	-0.25	0.99	169.0	-0.87	1.36	54.2	-0.85	0.45	7.4	-0.07	0.35	
NB3ATU	72.2	0.68	0.34	146.7	0.71	0.57	199.0	0.16	0.74	68.7	0.27	0.24	21.9	6.08X	1.49	
NQRGN8	63.7	-0.20	0.19	134.1	-0.01	0.03	187.9	-0.22	0.08	67.2	0.15	0.12	6.8	-0.34	0.02	
P2R88U	64.7	-0.10	2.57	117.3	-0.97	1.48	142.3	-1.79	1.58	51.7	-1.05	1.35	12.0	1.89	1.73	
P4J7LR	69.1	0.35	0.61	148.6	0.82	0.13	201.5	0.25	0.82	65.3	0.00	1.40	8.5	0.40	1.52	



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Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
P7ZVHA	66.3	0.07	0.25	133.7	-0.04	0.38	198.7	0.15	0.60	61.3	-0.30	1.15	6.0	-0.67		
PDLNWV	172.1	11.00X	1.49	230.7	5.53X	0.51	100.0	-3.24X	0.24	223.8	12.19X	0.58	657.0	276.32X	13.00	
QCABRY	57.5	-0.85	0.60	132.8	-0.08	0.49	186.7	-0.26	0.21	53.0	-0.94	0.39	8.4	0.35	0.33	
RHQ78T	53.4	-1.26	0.39	111.5	-1.31	0.73	159.6	-1.19	0.50	62.1	-0.25	0.84	8.5	0.41	0.29	
V8XUK6	81.0	1.59	2.45	160.9	1.52	1.76	202.1	0.27	1.01	72.8	0.58	3.72	10.1	1.08	3.04	
XTAQRQ	79.6	1.44	0.03	161.5	1.56	0.01	256.3	2.13	0.00	94.5	2.25	0.49	8.6	0.44	0.00	
ZWGWJG	68.7	0.31	0.25	136.0	0.10	0.65	204.3	0.34	0.36	63.0	-0.17	1.14	7.0	-0.24		

Mehlich-3, Mn (SubTestCode 166) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	65.7			134.3			194.3			65.3			7.57			
Median Abs Dev	5.3			10.9			16.7			6.6			1.11			
Avg Within Lab SD	2.3			4.1			5.9			3.5			0.58			
Labs Included	31			30			30			31			29			
Labs Reporting	32			32			32			32			32			



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Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	138.7	1.22	2.06	191.7	1.46	1.30	92.8	1.71	0.82	202.3	1.92	1.56	513.3	0.55	1.07	
3TU2TU	109.2	-0.18	0.16	155.1	0.09	0.23	68.2	-0.01	0.28	152.0	0.42	0.59	500.2	0.39	0.84	
4FN8YW	143.9	1.47	0.04	191.8	1.46	0.09	90.1	1.52	0.03	215.3	2.31	0.02	411.4	-0.71	0.09	
6ARZUT	104.7	-0.39	0.96	138.4	-0.53	1.32	63.3	-0.35	1.55	128.7	-0.28	0.25	404.6	-0.79	2.50	
6DEHCD	122.0	0.43	0.86	170.7	0.68	0.65	77.7	0.65	1.04	148.0	0.30	1.10	409.0	-0.74	0.49	
6QYWED	103.1	-0.46	1.41	142.4	-0.38	0.24	67.8	-0.04	0.62	136.0	-0.06	1.18	483.4	0.18	1.13	
7HHZMC	98.0	-0.70	0.48	132.3	-0.76	0.54	61.3	-0.49	0.52	126.0	-0.36	0.55	435.3	-0.41	0.59	
7JYWFB	111.3	-0.07	1.46	151.0	-0.06	0.90	68.3	0.00	0.39	152.3	0.43	0.63	512.0	0.53	0.98	
83L6NQ	117.3	0.21	0.84	153.7	0.04	1.33	64.3	-0.28	0.52	149.3	0.34	1.14	437.7	-0.38	1.40	
8EWH6Q	131.8	0.89	1.97	185.4	1.23	0.61	85.7	1.21	1.25	193.5	1.66	2.41	579.1	1.36	0.68	
99MGL9	100.8	-0.57	0.70	131.3	-0.80	0.16	60.3	-0.56	0.05	119.3	-0.56	0.70	412.1	-0.70	0.40	
9D2ERA	117.9	0.24	1.16	152.2	-0.02	0.47	68.3	0.00	1.24	158.4	0.61	0.72	528.8	0.74	1.23	
9NGA6N	95.3	-0.83	0.28	132.3	-0.76	0.54	58.3	-0.70	0.20	120.0	-0.54	0.83	440.3	-0.35	1.43	
9R3QM9	105.6	-0.35	0.00	149.1	-0.13	0.00	70.6	0.16	0.00	136.3	-0.05	0.00	562.7	1.16	0.00	
ATQMM M	71.5	-1.96	0.65	106.3	-1.73	1.29	36.2	-2.24	0.28	100.1	-1.13	0.10	529.2	0.74	0.62	
B6YPLP	113.3	0.02	0.91	157.0	0.17	0.69	69.2	0.06	1.11	154.0	0.48	0.75	523.7	0.68	0.53	
CGPZB9	103.7	-0.44	0.14	146.0	-0.25	0.52	59.7	-0.60	0.39	138.3	0.01	0.24	315.3	-1.89	0.11	
FB8284	102.6	-0.49	0.47	130.2	-0.84	1.64	70.8	0.17	1.18	122.5	-0.46	1.10	374.5	-1.16	0.71	
J9ARMD	113.1	0.01	0.57	158.1	0.20	1.26	61.4	-0.48	0.20	134.7	-0.10	0.96	468.8	0.00	0.30	
KWEZGY	130.0	0.81		236.7	3.14X	1.50	423.3	24.76X	1.97	96.0	-1.25	0.21	42.3	-5.25X	0.11	
MDDWQ9	97.2	-0.74	0.76	144.1	-0.32	0.35	69.4	0.08	0.65	119.2	-0.56	0.21	432.5	-0.45	1.62	
NB3ATU	117.3	0.21	0.28	162.0	0.35	0.78	70.3	0.14	0.40	152.3	0.43	0.32	1,206.7	9.08X	4.09	
NQRGN8	112.9	0.00	0.20	158.1	0.21	1.36	71.4	0.22	0.73	142.0	0.12	1.50	401.6	-0.83	1.70	
P2R88U	135.0	1.05	1.66	177.3	0.93	2.35	83.3	1.05	2.40	173.3	1.05	1.96	456.3	-0.15	1.18	
P4J7LR	103.6	-0.44	0.07	165.0	0.46	0.75	64.8	-0.24	0.38	148.0	0.30	2.07	520.7	0.64	0.39	



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Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups													Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
P7ZVHA	113.3	0.02	0.37	151.0	-0.06	0.45	66.0	-0.16		136.0	-0.06	0.55	396.7	-0.89	0.34
PDLNWV	2.3	-5.23X	0.02	3.2	-5.59X	0.01	0.9	-4.70X	0.01	1.0	-4.09X	0.01	2.8	-5.73X	0.00
QCABRY	76.2	-1.73	0.44	110.7	-1.57	0.15	37.1	-2.18	0.51	101.0	-1.11	0.37	530.8	0.76	0.18
RHQ78T	65.8	-2.23	0.30	95.7	-2.13	0.70	36.7	-2.20	0.31	105.3	-0.98	0.76	580.0	1.37	1.47
V8XUK6	128.4	0.73	2.68	174.9	0.84	2.17	76.6	0.58	2.87	256.0	3.52X	6.90	459.5	-0.11	1.12
XTAQRQ	154.3	1.96	0.00	200.5	1.79		97.2	2.01	0.00	217.3	2.37	0.12	542.3	0.90	0.04
ZWGWJG	114.3	0.07	0.60	153.0	0.02	0.69	70.7	0.16	1.42	137.7	-0.01	0.84	470.0	0.01	0.18

Mehlich-3, Fe (SubTestCode 167) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg				
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	112.9		152.6		68.3		138.0		468.8	
Median Abs Dev	9.8		13.3		5.9		14.9		56.7	
Avg Within Lab SD	4.2		3.9		2.9		4.8		14.4	
Labs Included	31		30		30		30		29	
Labs Reporting	32		32		32		32		32	



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Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	2.37	1.73	0.77	3.17	1.49	0.17	1.29	3.05	1.98	1.24	1.15	0.86	1.14	-1.43	0.10	
3TU2TU	1.91	-0.14	0.08	2.67	-0.07	0.20	0.84	0.17	0.13	1.00	0.18	0.11	3.32	1.11	1.82	
4FN8YW	2.29	1.39	0.05	3.07	1.17	0.03	1.04	1.47	0.22	1.41	1.82	0.11	1.23	-1.33	0.06	
6ARZUT	2.01	0.26	0.78	2.73	0.12	0.29	0.89	0.53	1.78	1.05	0.37	1.01	2.19	-0.21	1.13	
6DEHCD	2.17	0.91	0.49	2.70	0.02	0.47	1.17	2.29	1.27	1.27	1.24	0.64	1.36	-1.18	0.31	
6QYWED	1.84	-0.42	0.67	2.44	-0.78	0.48							2.78	0.48	0.40	
7HHZMC	1.90	-0.18	0.84	2.67	-0.08	0.27	0.83	0.15	1.27	0.87	-0.35	0.64	2.43	0.08	0.34	
7JYWFB	1.93	-0.04	0.49	2.83	0.44	0.27	0.80	-0.06	0.00	0.97	0.05	0.64	2.77	0.46	1.91	
83L6NQ	2.18	0.95	0.63	3.04	1.08	0.21	0.80	-0.04	0.25	0.94	-0.05	0.28	2.19	-0.21	0.44	
8EWH6Q	2.16	0.88	0.47	3.03	1.04	0.05	0.86	0.30	0.74	1.07	0.47	0.38	3.30	1.08	1.19	
99MGL9	1.94	0.00	0.60	2.40	-0.91	1.37	0.84	0.21	0.67	0.83	-0.49	0.50	2.68	0.36	0.17	
9D2ERA	1.75	-0.77	0.38	2.34	-1.10	0.63	0.68	-0.85	0.13	0.82	-0.54	0.11	2.22	-0.18	0.54	
9NGA6N	1.80	-0.58	0.00	2.50	-0.60		0.70	-0.70	0.00	0.80	-0.62	0.00	2.27	-0.12	0.91	
9R3QM9	1.86	-0.34	0.00	2.58	-0.35	0.00	0.81	0.00	0.00	0.79	-0.66	0.00	2.91	0.63	0.00	
ATQMM M	1.88	-0.27	0.45	2.65	-0.13	0.53	0.85	0.28	0.71	0.90	-0.22	0.26	3.45	1.26	0.55	
B6YPLP	2.26	1.29	0.29	3.05	1.12	0.17	0.78	-0.20	0.35	0.97	0.06	0.25	3.22	0.99	1.96	
CGPZB9	1.90	-0.18	0.37	2.67	-0.06	0.46	0.78	-0.19	1.66	1.32	1.47	0.83	2.35	-0.02	0.54	
FB8284	1.82	-0.50	3.55	2.19	-1.57	4.14	0.72	-0.60	1.13	0.94	-0.07	3.42	3.41	1.21	1.10	
J9ARMD	1.76	-0.73	0.20	2.59	-0.32	0.11	0.35	-2.98	0.38	0.48	-1.90	1.02	1.95	-0.49	0.35	
KWEZGY	1.80	-0.58	0.84	2.80	0.34	0.47	1.83	6.56X	1.27	0.60	-1.42	0.00	2.00	-0.43	0.59	
MDDWQ9	1.51	-1.75	3.57	2.32	-1.18	2.15	0.54	-1.71	0.51	1.04	0.35	1.67	2.39	0.02	1.84	
NB3ATU	2.13	0.74	0.13	2.93	0.75	0.18	0.76	-0.34	0.14	0.87	-0.34	0.11	4.76	2.78X	1.97	
NQRGN8	2.05	0.41	0.06	2.86	0.52	0.33	0.74	-0.45	0.62	0.97	0.06	0.94	2.24	-0.15	1.76	
P2R88U	1.87	-0.31	0.49	2.40	-0.92	0.47	0.80	-0.06	2.20	0.77	-0.75	1.28	1.17	-1.40	1.81	
P4J7LR	1.99	0.19	0.17	2.57	-0.39	0.50	0.88	0.47	0.25	1.10	0.57	0.26	3.10	0.85	0.10	



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Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
P7ZVHA	2.07	0.53	0.05	2.87	0.55	0.12	0.76	-0.34	1.01	0.89	-0.25	0.34	2.13	-0.27	0.55	
QCABRY	1.94	-0.03	0.07	2.65	-0.14	0.22	0.82	0.05	0.28	0.84	-0.47	0.18	3.42	1.23	0.26	
RHQ78T	1.96	0.06	0.39	2.69	0.00	0.23	0.82	0.09	0.82	0.85	-0.41	0.27	3.71	1.56	0.30	
V8XUK6	2.35	1.63	0.30	3.08	1.21	1.86	0.96	0.93	2.33	1.50	2.17	2.51	2.06	-0.36	1.51	
XTAQRQ	2.56	2.50	0.00	3.27	1.80	0.00	0.96	0.96	0.00	1.35	1.58	0.00	1.82	-0.64	0.00	
ZWGWJG	2.10	0.64	0.00	2.90	0.65	0.47	0.80	-0.06	0.00	1.00	0.18		2.80	0.50	0.00	

Mehlich-3, Cu (SubTestCode 168) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	1.94			2.69			0.81			0.96			2.37			
Median Abs Dev	0.13			0.19			0.05			0.12			0.43			
Avg Within Lab SD	0.12			0.21			0.05			0.09			0.17			
Labs Included	31			31			29			30			30			
Labs Reporting	31			31			30			30			31			



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Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	1.86	2.52	0.39	1.39	1.75	0.83	1.01	1.38	0.19	1.42	2.73	0.22	2.01	0.81	0.17	
3TU2TU	1.87	2.54	0.41	1.39	1.75	0.11	1.40	2.48	0.73	1.39	2.67	0.06	2.64	1.79	0.97	
4FN8YW	1.72	2.08	0.20	1.05	0.83	0.16							1.63	0.22	0.28	
6ARZUT	1.00	-0.19	0.78	0.80	0.15	0.00	0.53	0.02	0.42	0.57	0.39	0.23	1.23	-0.40	0.32	
6DEHCD	0.88	-0.57	0.23	0.64	-0.30	0.46	0.45	-0.21	0.29	0.42	0.00	0.14	1.31	-0.28	0.17	
6QYWED	1.11	0.17	0.20										1.29	-0.31	0.68	
7HHZMC	1.00	-0.19	0.78	0.67	-0.22	0.53	0.43	-0.26	0.42	0.27	-0.44	0.23	1.07	-0.66	0.32	
7JYWFB	0.97	-0.29	0.45	0.70	-0.13	0.00	0.60	0.21	0.00	0.50	0.21	0.40	1.13	-0.56	1.17	
99MGL9	1.05	-0.02	0.09	0.73	-0.05	0.18	0.52	-0.01	0.19	0.43	0.00	0.13	1.47	-0.04	0.14	
9NGA6N	1.07	0.02	0.45	0.70	-0.13	0.00	0.50	-0.07		0.40	-0.07	0.00	1.17	-0.51	0.86	
9R3QM9	1.03	-0.09	0.00	0.67	-0.21	0.00	0.48	-0.13	0.00	0.35	-0.21	0.00	1.31	-0.28	0.00	
ATQMM M	0.99	-0.23	0.33	0.75	0.01	0.30	0.51	-0.04	0.13	0.41	-0.05	0.05	1.51	0.04	0.09	
B6YPLP	1.12	0.20	0.18	0.86	0.32	0.10	0.58	0.16	0.46	1.13	1.94	4.22	2.32	1.30	1.12	
J9ARMD	0.72	-1.06	3.12	0.45	-0.81	3.19	0.40	-0.35	1.15	0.14	-0.78	0.08	0.94	-0.86	3.26	
KWEZGY	0.70	-1.13	0.00	1.70	2.61	0.00	1.47	2.68	0.42	0.43	0.02	0.23	1.07	-0.66	0.32	
MDDWQ9	1.23	0.52	1.94	1.08	0.92	1.57	1.28	2.14	1.04	0.82	1.08	0.13	1.55	0.09	2.21	
NB3ATU	1.09	0.08	0.05	0.63	-0.33	0.16	0.45	-0.21	0.02	0.29	-0.37	0.05	1.58	0.14	0.59	
P2R88U	1.40	1.07	1.56	1.43	1.88	2.93	1.13	1.73	2.33	0.67	0.67	1.50	3.00	2.36	1.49	
P4J7LR	1.02	-0.13	0.08	0.55	-0.54	0.08	0.52	-0.01	0.04	0.28	-0.40	0.09	1.15	-0.53	0.20	
QCABRY	1.08	0.05	0.13	0.75	0.00	0.20	0.53	0.01	0.07	0.41	-0.03	0.03	1.59	0.16	0.23	
RHQ78T	1.20	0.44	0.08	0.78	0.10	0.22	0.54	0.04	0.55	0.39	-0.11	0.31	1.60	0.18	0.50	
V8XUK6	0.94	-0.39	0.28	0.60	-0.42	0.06	0.47	-0.16	0.62	0.39	-0.11	0.08	0.52	-1.52	0.44	
XTAQRQ	0.87	-0.61	0.05	0.62	-0.35	0.00	0.41	-0.34	0.04	0.48	0.16	0.02	1.51	0.04	0.03	
ZWGWJG	1.57	1.59	2.39	1.37	1.70	0.53	1.30	2.20	3.32	1.30	2.41	1.19	3.07	2.47	0.32	



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Mehlich-3, B (SubTestCode 169) in the Mehlich-3 Multi-Element Property Groups						Data units: mg/kg
	SRS2011	SRS2012	SRS2013	SRS2014	SRS2015	
Grand Median	1.06	0.75	0.53	0.43	1.49	
Median Abs Dev	0.11	0.12	0.07	0.10	0.29	
Avg Within Lab SD	0.13	0.11	0.14	0.25	0.18	
Labs Included	24	23	22	22	24	
Labs Reporting	24	23	22	22	24	



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Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	1.02	0.76	0.34	0.59	-0.17	0.42	0.32	0.13	0.00	0.97	0.72	0.21	0.54	-0.95	0.06	
2LFVJH	1.04	0.88	1.09	0.69	0.84	1.31	0.29	-0.23	0.27	0.76	-0.55	0.74	1.32	0.66	0.46	
6UY9BD	0.84	-0.53	1.51	0.51	-1.02	1.00	0.21	-1.19	0.67	0.66	-1.10	0.31	0.44	-1.17	1.03	
74JYAB	1.05	0.95	0.26	0.75	1.40	0.42	0.37	0.77	1.03	1.06	1.20	0.89	1.41	0.85	1.04	
7G8X2D	0.78	-0.93	0.10	0.48	-1.33	0.28	0.13	-2.12	0.51	0.75	-0.60	0.28	1.37	0.76	0.57	
9TB43P	0.70	-1.53	0.00	0.50	-1.12		0.20	-1.31	0.00	0.67	-1.06	1.04	1.10	0.21	0.00	
ADGXB8	0.90	-0.10	0.44	0.61	0.00	0.55	0.34	0.41	1.72	0.94	0.52	0.83	1.42	0.87	1.34	
AM33J8	0.92	0.05	0.58	0.61	-0.03	1.62	0.47	1.94	0.67	0.94	0.55	2.68	0.77	-0.47	0.86	
B6YPLP	0.79	-0.86	1.02	0.51	-1.02	0.83	0.25	-0.75	0.85	0.82	-0.17	0.65	1.30	0.62	1.08	
CQFLG7	0.86	-0.38	1.45	0.74	1.36	1.88	0.29	-0.27	1.55	0.89	0.21	1.72	0.82	-0.38	0.10	
D8YY6H	0.87	-0.35	0.25	0.60	-0.11	0.24	0.31	-0.03	0.36	0.94	0.52	0.60	1.43	0.89	0.61	
FB8284	1.12	1.44	1.66	0.76	1.54	0.83	0.43	1.46	0.43	1.11	1.50	1.32	1.92	1.92	3.68	
FDXZK3	0.96	0.33	0.34	0.63	0.17	0.16	0.34	0.33	0.19	0.97	0.68	0.10	0.58	-0.87	0.25	
G48283	1.70	5.63X		1.30	7.05X		0.60	3.51X		1.70	4.93X					
GDUZX8	1.03	0.85	2.72	0.65	0.40	3.10	0.40	1.07	1.76	0.95	0.59	2.19	0.99	-0.03	1.27	
GL63J9	0.91	0.00	0.20	0.61	0.00	0.02	0.31	0.05	0.66	0.87	0.09	0.91	0.87	-0.27	0.50	
GZ7XFF	0.88	-0.24	0.47	0.62	0.13	0.35	0.26	-0.63	0.15	0.71	-0.80	0.37	0.71	-0.60	0.01	
K4CPX4	1.04	0.90	0.32	0.70	0.96	0.75	0.39	0.92	1.69	1.05	1.17	0.33	1.17	0.36	0.38	
KFPPUW	1.05	0.96	0.77	0.66	0.54	0.57	0.42	1.33	1.21	0.96	0.66	0.24	1.48	1.00	1.08	
LXP34X	0.79	-0.91	1.68	0.48	-1.33	1.44	0.23	-0.99	0.39	0.67	-1.04	1.72	1.19	0.40	0.40	
M3AH8V	1.00	0.62	1.68	0.71	0.99	0.42	0.31	0.05	0.19	0.81	-0.25	0.28	1.00	0.00	0.99	
M9G9A2	0.98	0.49	0.66	0.65	0.45	0.03	0.40	1.08	0.91	1.07	1.25	0.36	1.52	1.09	0.76	
MDDWQ9	0.69	-1.58	0.26	0.50	-1.12	0.48	0.23	-0.91	0.78	0.70	-0.87	0.18	0.63	-0.77	0.00	
MJXRUX	0.94	0.16	0.39	0.63	0.24	0.58	0.29	-0.19	0.19	0.97	0.72	0.38	1.36	0.76	0.30	
MZMZPB	0.84	-0.50	0.18	0.56	-0.48	0.18	0.31	0.03	0.37	0.79	-0.35	0.31	1.38	0.79	0.06	
NQRGN8	0.84	-0.54	0.46	0.56	-0.54	0.16	0.32	0.09	0.51	0.85	0.00	0.36	0.86	-0.30	0.30	



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Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
PDLNWV	0.89	-0.14	0.42	0.61	0.02	0.62	0.34	0.37	0.83	0.72	-0.78	0.22	0.79	-0.44	0.60	
R27F9T	0.92	0.02	0.19	0.62	0.12	0.08	0.26	-0.55	0.51	0.84	-0.08	0.10	1.43	0.90	0.25	
RF4PP8	0.96	0.34	1.07	0.63	0.16	0.58	0.31	-0.01	2.00	0.86	0.07	0.80	1.45	0.93	0.79	
TBQ79Q	0.70	-1.53	0.00	0.50	-1.12		0.20	-1.31	0.00	0.50	-2.03		0.60	-0.83	0.00	
UWZUAL	1.00	0.62	1.68	0.73	1.26	1.60	0.33	0.29	1.94	1.07	1.26	1.04	1.07	0.14	0.57	
UZ3RHT	0.63	-2.01	0.97	0.37	-2.49	1.60	0.23	-0.91	1.94	0.83	-0.10	1.04	0.97	-0.07	0.57	
V8XUK6	0.94	0.18	2.44	0.61	-0.03	2.00	0.31	0.00	2.14	0.84	-0.09	2.63	0.68	-0.67	3.08	
WGX44Z	0.93	0.14	0.51	0.60	-0.10	0.28	0.37	0.73	0.67	0.92	0.41	0.18	0.58	-0.88	0.06	
WKGY8R	0.77	-1.01	0.10	0.51	-1.02	0.00	0.22	-1.03	0.19	0.71	-0.81	0.00	0.41	-1.24	0.35	
YUWR9Y	1.03	0.81	0.10	0.65	0.37	0.32	0.27	-0.47	0.00	0.93	0.44	0.10	1.58	1.22	0.25	
YZ8JZK	0.79	-0.88	0.49	0.60	-0.06	0.28	0.32	0.09	0.35	0.65	-1.19	0.39	0.88	-0.24	0.35	
ZDQKVH	0.85	-0.43	0.51	0.52	-0.89	0.58	0.24	-0.87	0.85	0.76	-0.54	0.75	0.81	-0.39	0.25	

Zn - DTPA (SubTestCode 170) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	0.91			0.61			0.31			0.85			1.00		
Median Abs Dev	0.09			0.05			0.05			0.10			0.36			
Avg Within Lab SD	0.06			0.04			0.03			0.06			0.10			
Labs Included	37			37			37			37			37			
Labs Reporting	38			38			38			38			37			



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Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	19.6	-0.18	0.18	25.7	-0.23	0.09	16.5	-0.04	0.27	3.6	-0.46	0.11	1.1	-0.64	0.09	
2LFVJH	23.1	0.67	0.53	28.6	0.27	0.75	26.7	1.07	0.96	8.6	1.73	0.45	2.7	1.13	0.74	
6UY9BD	18.3	-0.50	0.73	19.6	-1.26	1.06	11.7	-0.56	0.67	3.5	-0.49	0.09	1.0	-0.76	0.97	
74JYAB	21.8	0.35	0.67	31.0	0.68	0.55	22.4	0.60	1.68	6.6	0.84	0.72	2.4	0.86	0.22	
7G8X2D	19.3	-0.25	0.54	27.0	0.00	1.21	16.7	-0.03	0.36	5.0	0.13	0.24	2.6	1.06	0.00	
9TB43P	17.5	-0.71	0.90	28.0	0.18	0.64	10.3	-0.72	0.10	2.8	-0.80	0.32	2.7	1.14	1.09	
ADGXB8	25.0	1.15	1.04	31.0	0.68	1.39	32.8	1.74	2.23	8.3	1.59	1.95	2.7	1.14	2.35	
AM33J8	22.5	0.53	0.47	27.4	0.06	0.72	20.1	0.35	0.63	4.3	-0.14	0.72	1.1	-0.72	0.56	
B6YPLP	25.8	1.35	0.85	21.2	-0.99	0.32	15.2	-0.18	0.18	5.9	0.52	0.43	3.2	1.71	0.54	
CQFLG7	19.1	-0.31	1.06	28.8	0.30	1.43	13.9	-0.33	0.46	4.0	-0.29	1.80	1.7	-0.03	0.43	
D8YY6H	23.8	0.84	0.12	39.2	2.08	0.03	28.1	1.22	1.15	3.7	-0.41	1.48	0.4	-1.54	0.00	
FB8284	16.2	-1.02	4.02	22.8	-0.72	3.34	20.2	0.36	2.99	5.4	0.31	4.02	2.1	0.46	4.15	
FDXZK3	18.9	-0.35	0.14	23.4	-0.62	0.13	16.3	-0.06	0.32	3.6	-0.48	0.05	1.3	-0.42	0.19	
GDUXZ8	25.4	1.23	1.71	40.5	2.30	0.93	30.0	1.43	1.73	7.7	1.34	1.25	2.2	0.58	0.62	
GL63J9	21.8	0.36	0.35	28.5	0.25	0.40	14.6	-0.25	0.35	4.3	-0.15	0.34	1.6	-0.16	0.03	
GZ7XFF	18.4	-0.49	0.31	23.0	-0.68	0.11	12.7	-0.46	0.12	2.9	-0.75	0.29	1.1	-0.64	0.03	
K4CPX4	26.0	1.40	0.67	32.6	0.96	0.15	33.7	1.83	1.23	8.5	1.67	0.87	1.7	0.00	0.47	
KFPPUW	23.5	0.76	1.10	29.4	0.40	0.66	28.0	1.21	0.22	7.0	1.00	0.28	2.4	0.83	0.24	
LXP34X	18.4	-0.48	1.58	19.9	-1.20	0.49	15.6	-0.14	0.32	3.5	-0.52	0.86	2.2	0.54	0.07	
M3AH8V	19.5	-0.21	0.09	23.7	-0.56	0.21	12.7	-0.45	0.16	3.0	-0.74	0.24	1.2	-0.61	0.22	
M9G9A2	16.4	-0.97	0.27	21.4	-0.94	0.27	12.2	-0.51	0.16	3.2	-0.62	0.04	1.5	-0.27	0.12	
MDDWQ9	15.7	-1.16	0.13	21.1	-1.00	0.52	10.2	-0.73	0.10	2.2	-1.07	0.14	1.2	-0.61	0.11	
MJXRUX	20.4	0.00	0.05	27.8	0.14	1.49	16.9	0.00	0.38	4.9	0.09	0.52	2.3	0.67	0.57	
MZMZPB	16.1	-1.05	0.14	26.7	-0.05	0.11	21.7	0.53	0.19	5.4	0.33	0.03	2.2	0.61	0.08	
NQRGN8	20.6	0.05	1.36	27.6	0.11	1.49	22.8	0.65	1.47	5.4	0.33	1.22	1.7	-0.01	0.27	
PDLNWV	21.9	0.38	0.55	29.6	0.45	1.66	27.2	1.12	1.81	4.7	0.03	0.59	1.6	-0.11	0.37	



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Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
R27F9T	22.0	0.39	0.11	27.6	0.11	0.07	26.5	1.05	0.10	6.2	0.67	0.00	2.2	0.57	0.19	
RF4PP8	24.1	0.93	0.22	38.8	2.00	0.16	33.8	1.85	0.25	8.7	1.75	0.48	2.8	1.26	0.47	
TBQ79Q	19.7	-0.17	0.54	26.0	-0.17		24.0	0.77	0.63	4.7	0.00	1.19	1.0	-0.80		
UWZUAL	21.8	0.36	0.62	26.1	-0.15	0.34	16.5	-0.05	0.48	5.2	0.23	0.21	1.8	0.17	0.22	
V8XUK6	22.0	0.41	0.52	26.6	-0.07	2.57	16.9	0.00	2.24	4.4	-0.12	1.64	1.5	-0.26	2.76	
WGX44Z	18.6	-0.44	1.92	20.6	-1.08	0.21	9.7	-0.78	0.13	2.4	-1.00	0.07	0.6	-1.29	0.04	
WKGY8R	16.7	-0.90	0.25	21.4	-0.96	0.21	10.1	-0.74	0.13	2.7	-0.87	0.12	0.5	-1.34	0.22	
YUWR9Y	25.7	1.31	0.11	30.1	0.53	0.24	26.0	0.99	0.14	7.0	1.01	0.14	2.5	0.99	0.12	
YZ8JZK	15.8	-1.13	0.28	24.6	-0.40	0.26	15.8	-0.12	0.48	4.6	-0.03	0.13	1.7	0.02	0.41	
ZDQKVH	19.1	-0.32	0.90	21.1	-1.00	0.16	13.1	-0.41	0.30	3.2	-0.64	0.20	1.6	-0.12	0.33	
ZP6HYZ	27.7	1.81	0.12	35.0	1.37	0.21	31.7	1.61	0.29	8.8	1.79	0.04	2.5	0.89	0.45	

Mn - DTPA (SubTestCode 171) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	20.4			27.0			16.9			4.67			1.69			
Median Abs Dev	2.0			3.3			5.2			1.20			0.55			
Avg Within Lab SD	1.1			1.6			1.6			0.48			0.27			
Labs Included	37			37			37			37			37			
Labs Reporting	37			37			37			37			37			



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Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups

Data units: mg/kg

WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	18.0	-1.49	0.19	17.8	-1.52	0.24	4.8	-1.21	0.38	22.1	-0.94	0.08	54.7	-1.07	0.06
2LFVJH	33.5	0.58	0.11	28.8	0.20	0.34	9.1	0.77	0.40	41.9	1.31	0.45	125.5	0.63	0.37
6UY9BD	25.2	-0.53	1.16	21.6	-0.92	1.83	5.9	-0.71	0.25	29.3	-0.12	0.41	64.9	-0.83	0.46
74JYAB	36.7	1.00	0.69	34.5	1.07	0.89	10.5	1.42	0.93	46.5	1.83	0.59	129.2	0.72	1.15
7G8X2D	29.0	-0.02	0.44	27.7	0.01	0.88	5.7	-0.78	0.64	35.7	0.60	0.96	120.0	0.50	
9TB43P	24.7	-0.60	1.10	23.3	-0.66	0.88	5.3	-0.97	0.82	22.3	-0.91	0.48	99.3	0.00	1.26
ADGXB8	35.2	0.80	1.87	27.6	0.00	1.36	8.4	0.43	0.65	30.3	0.00	0.85	148.1	1.17	1.06
AM33J8	27.0	-0.29	0.37	23.3	-0.66	0.71	6.6	-0.38	0.34	27.0	-0.38	0.67	61.8	-0.90	0.26
B6YPLP	20.2	-1.21	0.69	19.4	-1.26	0.26	7.3	-0.04	0.33	27.4	-0.34	0.27	108.0	0.21	0.72
CQFLG7	30.8	0.21	1.11	29.2	0.25	0.90	6.3	-0.51	0.33	45.4	1.70	2.00	81.0	-0.44	1.52
D8YY6H	36.4	0.97	0.06	34.9	1.14	0.12	9.3	0.87	0.28	34.8	0.50	0.69	140.6	0.99	0.85
FB8284	44.8	2.10	2.15	38.4	1.69	2.08	11.7	1.97	1.06	45.8	1.75	2.23	249.9	3.61X	12.91
FDXZK3	20.0	-1.23	0.70	19.5	-1.25	0.75	6.4	-0.47	0.56	23.2	-0.81	0.51	55.0	-1.07	0.23
G48283	38.9	1.30		37.2	1.49		9.8	1.09		35.7	0.60				
GDUZX8	39.6	1.40	2.49	38.0	1.63	2.65	9.1	0.77	1.55	36.0	0.63	1.90	91.3	-0.19	0.99
GL63J9	30.3	0.16	0.79	27.7	0.02	0.92	6.8	-0.29	0.31	34.1	0.42	1.24	83.5	-0.38	0.20
GZ7XFF	25.8	-0.45	0.35	25.0	-0.40	0.11	6.4	-0.47	0.24	26.0	-0.50	0.22	63.2	-0.87	0.11
K4CPX4	34.4	0.70	0.03	28.9	0.20	0.22	9.0	0.74	0.60	31.6	0.13	0.19	102.8	0.08	0.51
KFPPUW	38.3	1.23	0.73	32.3	0.73	0.71	10.5	1.40	0.11	58.2	3.16X	1.65	149.7	1.21	0.57
LXP34X	24.6	-0.61	1.48	22.2	-0.83	1.51	8.8	0.62	4.61	23.3	-0.80	1.56	126.0	0.64	0.42
M3AH8V	24.2	-0.66	0.27	21.1	-1.01	0.15	4.7	-1.26	0.14	26.4	-0.46	0.49	75.6	-0.57	0.64
M9G9A2	27.8	-0.19	0.22	27.0	-0.08	0.45	7.2	-0.10	0.29	33.8	0.39	0.23	131.3	0.77	0.56
MDDWQ9	23.8	-0.72	0.21	23.6	-0.61	0.16	4.8	-1.23	0.73	24.3	-0.69	0.57	61.5	-0.91	0.50
MJXRUX	31.0	0.25	0.44	26.0	-0.24	1.16	8.0	0.26		51.3	2.37	0.48	158.3	1.42	0.89
MZMZPB	29.1	-0.01	0.05	27.8	0.04	0.10	8.1	0.31	0.23	25.9	-0.51	0.01	135.3	0.86	0.09
NQRGN8	31.7	0.34	0.55	28.3	0.11	0.90	7.6	0.08	0.75	30.4	0.00	0.35	85.5	-0.33	0.40



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Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
PDLNWV	33.2	0.54	0.54	32.9	0.83	0.40	9.1	0.78	1.13	25.9	-0.51	0.22	78.3	-0.51	0.76	
R27F9T	33.5	0.58	0.13	28.8	0.20	0.52	8.6	0.52	0.22	31.5	0.12	0.13	145.0	1.10	0.16	
RF4PP8	35.5	0.85	0.20	34.4	1.05	0.35	7.6	0.06	0.18	29.4	-0.11	0.40	112.3	0.31	0.58	
TBQ79Q	32.0	0.38	0.44	28.7	0.17	0.33	7.7	0.11	0.82	25.0	-0.61		85.7	-0.33	0.40	
UWZUAL	26.7	-0.33	0.14	24.0	-0.55	0.32	5.1	-1.07	0.38	28.0	-0.27	0.14	79.1	-0.49	0.31	
UZ3RHT	17.6	-1.55	0.24	17.2	-1.61	0.17	5.1	-1.06	0.30	31.8	0.16	0.55	88.4	-0.26	0.53	
V8XUK6	29.1	-0.02	2.46	25.0	-0.40	2.85	6.1	-0.61	1.87	34.6	0.48	3.56	62.6	-0.88	4.74	
WGX44Z	29.2	0.00	0.09	28.1	0.08	0.07	8.8	0.63	0.28	42.7	1.39	0.36	100.3	0.02	0.24	
WKGY8R	22.7	-0.87	0.25	21.0	-1.02		4.3	-1.43	0.82	23.0	-0.84		31.3	-1.63	0.33	
YUWR9Y	31.5	0.31	0.12	26.9	-0.10	0.14	7.4	0.00	0.03	32.3	0.22	0.14	151.4	1.25	0.08	
YZ8JZK	24.5	-0.63	0.16	25.4	-0.34	0.49	7.5	0.02	0.31	20.1	-1.16	0.21	63.3	-0.86	0.04	
ZDQKVH	22.5	-0.90	0.19	18.3	-1.44	0.83	5.6	-0.86	0.30	27.7	-0.31	0.27	114.3	0.36	0.38	
ZP6HYZ	31.2	0.28	2.66	30.7	0.48	0.08	7.4	0.00	0.50	36.9	0.74	0.05	107.5	0.20	0.07	

Fe - DTPA (SubTestCode 172) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	29.2			27.6			7.43			30.4			99.3			
Median Abs Dev	4.5			4.0			1.37			4.5			26.7			
Avg Within Lab SD	2.3			1.7			0.70			3.2			6.4			
Labs Included	39			39			39			38			37			
Labs Reporting	39			39			39			39			38			



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Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	0.65	0.00	0.57	1.05	-0.95	0.52	0.35	0.25	0.36	0.30	0.00	0.21	0.78	-0.56	0.06	
2LFVJH	0.81	1.26	0.14	1.51	1.12	0.64	0.42	1.23	0.54	0.46	1.73	0.23	1.60	1.03	1.18	
6UY9BD	0.59	-0.49	1.33	1.11	-0.68	1.54	0.24	-1.13	0.73	0.25	-0.52	0.31	0.53	-1.04	1.57	
74JYAB	0.88	1.86	0.19	1.51	1.15	0.25	0.39	0.84	0.18	0.38	0.92	0.12	1.54	0.92	1.35	
7G8X2D	0.68	0.22	0.29	1.40	0.64	0.00	0.31	-0.21	0.63	0.30	0.00	0.21	1.57	0.97	0.60	
9TB43P	0.53	-0.95	1.10	1.03	-1.01	0.93	0.23	-1.17	1.82	0.20	-1.11	0.00	1.20	0.26	1.04	
ADGXB8	0.73	0.62	0.77	1.30	0.21	1.21	0.33	0.04	0.95	0.35	0.59	0.66	1.59	1.02	1.48	
AM33J8	0.66	0.11	2.71	1.30	0.21	2.61	0.28	-0.54	1.49	0.26	-0.41	1.31	0.61	-0.88	0.32	
B6YPLP	0.41	-1.92	0.40	0.99	-1.22	0.46	0.25	-0.96	0.32	0.21	-0.96	0.12	1.09	0.05	0.49	
CQFLG7	0.60	-0.43	1.38	1.15	-0.47	1.09	0.31	-0.17	1.31	0.25	-0.59	1.13	0.91	-0.30	0.10	
D8YY6H	0.69	0.35	0.13	1.35	0.43	0.13	0.33	0.08	0.11	0.31	0.11	0.09	1.65	1.14	0.14	
FB8284	1.01	2.92X	3.53	1.66	1.80	1.07	0.54	2.70X	5.59	0.47	1.83	3.51	2.44	2.66X	7.48	
FDXZK3	0.65	0.03	0.48	1.03	-1.04	0.25	0.35	0.25	0.48	0.30	0.00	0.21	0.87	-0.39	0.33	
GDUZX8	0.74	0.76	1.53	1.39	0.62	1.50	0.37	0.52	1.19	0.31	0.14	0.53	1.04	-0.06	1.47	
GL63J9	0.65	-0.04	0.19	1.22	-0.17	0.33	0.33	0.06	0.16	0.28	-0.23	0.18	0.87	-0.39	0.42	
GZ7XFF	0.59	-0.47	0.38	1.34	0.37	0.09	0.28	-0.59	0.05	0.21	-1.03	0.23	0.71	-0.69	0.07	
K4CPX4	0.75	0.82	0.83	1.41	0.67	0.79	0.36	0.40	0.69	0.33	0.34	0.44	1.24	0.34	1.10	
KFPPUW	0.75	0.79	0.61	1.47	0.94	0.59	0.35	0.30	1.15	0.31	0.16	0.46	1.56	0.96	0.31	
LXP34X	0.57	-0.65	1.06	1.00	-1.17	1.45	0.34	0.13	0.48	0.29	-0.11	0.71	1.40	0.64	0.32	
M3AH8V	0.50	-1.24	0.29	1.15	-0.48	0.64	0.22	-1.34	0.32	0.15	-1.66	0.21	0.84	-0.43	0.43	
M9G9A2	0.73	0.66	0.22	1.32	0.30	0.31	0.35	0.31	0.33	0.36	0.63	0.05	1.80	1.42	0.68	
MDDWQ9	0.34	-2.54	0.29	1.12	-0.60	0.67	0.18	-1.88	2.15	0.21	-1.00	0.21	0.57	-0.96	1.26	
MJXRUX	0.63	-0.14	1.10	1.17	-0.41	0.93	0.23	-1.21	0.55	0.30	0.04	0.31	1.43	0.71	0.60	
MZMZPB	0.64	-0.07	0.28	1.04	-0.96	0.13	0.35	0.32	0.05	0.38	0.87	0.17	1.59	1.01	0.11	
NQRGN8	0.52	-1.04	0.33	1.07	-0.84	0.32	0.27	-0.71	0.63	0.23	-0.81	0.31	0.76	-0.60	0.23	
PDLNWV	0.64	-0.05	0.42	1.25	-0.04	0.35	0.37	0.57	0.09	0.22	-0.87	0.06	0.82	-0.47	0.43	



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Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
R27F9T	0.65	0.03	0.29	1.32	0.27	0.09	0.31	-0.25	0.18	0.27	-0.30	0.12	1.56	0.96	0.26	
RF4PP8	0.68	0.25	0.31	1.29	0.14	0.53	0.30	-0.35	2.20	0.30	0.01	0.78	1.49	0.82	0.60	
TBQ79Q	0.67	0.14	1.10	1.27	0.04	0.93	0.50	2.17		0.37	0.74	1.19	0.90	-0.32	0.00	
UWZUAL	0.60	-0.41	1.90	1.20	-0.26	1.61	0.33	0.08	1.82	0.20	-1.11	0.00	0.90	-0.32	1.04	
UZ3RHT	0.47	-1.49	1.10	0.80	-2.06	0.00	0.27	-0.75	1.82	0.33	0.37	1.19	1.07	0.00	1.20	
V8XUK6	0.66	0.11	3.12	1.29	0.14	2.73	0.33	0.03	2.01	0.36	0.70	3.99	0.72	-0.68	4.15	
WGX44Z	0.89	1.92	0.61	1.60	1.54	1.61	0.49	2.05	0.63	0.41	1.26	0.12	1.02	-0.09	0.10	
WKG8R	0.51	-1.16	0.11	1.23	-0.14	0.25	0.18	-1.88	0.73	0.10	-2.22	0.00	0.30	-1.49	0.36	
YUWR9Y	0.71	0.46	0.11	1.44	0.81	0.25	0.33	0.00	0.18	0.32	0.18	0.12	1.78	1.39	0.22	
YZ8JZK	0.51	-1.11	0.23	1.06	-0.87	0.46	0.30	-0.28	0.21	0.20	-1.16	0.12	0.79	-0.53	0.30	
ZDQKVH	0.64	-0.08	0.66	1.18	-0.36	1.23	0.28	-0.59	0.32	0.28	-0.26	0.93	1.23	0.32	0.37	
ZP6HYZ	0.69	0.31	0.11	1.37	0.52	0.09	0.22	-1.33	0.71	0.24	-0.68	0.25	1.47	0.78	0.27	

Cu - DTPA (SubTestCode 173) in the Micronutrients Property Groups						Data units: mg/kg				
	SRS2011		SRS2012		SRS2013		SRS2014		SRS2015	
Grand Median	0.65		1.26		0.33		0.30		1.07	
Median Abs Dev	0.06		0.14		0.04		0.05		0.35	
Avg Within Lab SD	0.05		0.06		0.03		0.05		0.10	
Labs Included	37		38		37		38		37	
Labs Reporting	38		38		38		38		38	



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Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups														Data units: mg/kg				
														SRS2015				
SRS2011				SRS2012				SRS2013				SRS2014						
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
ZP6HYZ	1.11		1.00	0.76		1.00	0.39		1.00	1.08		1.00	1.64		1.00			

Zn - HCl (SubTestCode 174) in the Micronutrients Property Groups														Data units: mg/kg				
														SRS2015				
SRS2011				SRS2012				SRS2013				SRS2014						
Grand Median	1.11			0.76			0.39			1.08			1.64					
Median Abs Dev																		
Avg Within Lab SD	0.02			0.01			0.03			0.01			0.02					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



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CI - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6UY9BD	10.80	1.20	1.17	6.27	0.96	2.19	7.87	2.12	0.33	8.67	2.03	0.87	9.50	-0.53	1.15	
7G8X2D	9.00	0.24	0.33	4.80	-0.35	0.67	4.43	-0.14	0.55	5.97	0.32	0.41	33.33	2.07	0.96	
CQFLG7	8.00	-0.29	0.38	3.83	-1.22	0.37	4.50	-0.10	1.14	4.83	-0.39	1.35	2.83	-1.26	0.18	
GDUZX8	9.89	0.71	2.59	6.39	1.07	1.56	5.69	0.69	2.62	6.11	0.41	1.60	12.36	-0.22	2.08	
GZ7XFF	7.77	-0.41	0.60	5.32	0.11	0.73	3.95	-0.46	0.35	5.02	-0.28	0.91	19.90	0.60	0.19	
LXP34X	7.33	-0.65	0.24	4.13	-0.95	0.42	4.23	-0.27	0.33	5.03	-0.27	0.44	19.20	0.53	0.68	
M9G9A2	10.90	1.25	0.55	5.80	0.54	0.98	3.29	-0.90	0.88	5.38	-0.05	0.78	10.43	-0.43	0.45	
P4J7LR	6.47	-1.11	0.74	5.07	-0.11	0.64	5.27	0.41	0.38	5.10	-0.22	0.81	8.67	-0.62	0.43	
V8XUK6	9.77	0.65	0.64	6.12	0.83	0.32	7.01	1.55	0.53	9.77	2.72	1.56	16.41	0.22	0.90	
WKGY8R	8.10	-0.24	0.00	4.53	-0.59	0.07	4.80	0.10	0.00	5.53	0.05	0.10	16.73	0.26	1.30	

CI - Ca(NO3)2 Extr. (SubTestCode 176) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	8.55			5.19			4.65			5.45			14.4			
Median Abs Dev	1.22			0.79			0.66			0.48			4.9			
Avg Within Lab SD	1.33			0.77			0.76			0.57			1.6			
Labs Included	10			10			10			10			10			
Labs Reporting	10			10			10			10			10			



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B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
24K3XK	0.55	0.28	0.51	0.37	0.32	0.91	0.36	-0.18	0.63	0.22	-0.13	0.88	2.05	1.19	0.77	
26QKWF	0.32	-0.81	0.38	0.21	-1.09	0.34	0.18	-1.43	0.10	0.14	-1.04	0.00	0.35	-1.47	0.29	
3MQX6G	0.43	-0.31	0.35				0.40	0.09	0.35				1.89	0.95	0.51	
9QK6NQ	0.34	-0.71	0.58	0.25	-0.77	0.16	0.38	-0.09	0.10	0.21	-0.21	0.59	1.52	0.36	0.40	
ADGXB8	0.74	1.15	2.31	0.49	1.36	1.29	0.55	1.09	1.52	1.05	9.27X	70.14	2.26	1.52	0.98	
C2EJ2K	0.68	0.89	0.44	0.44	0.88	0.78	0.57	1.22	0.26	0.25	0.25	0.59	1.59	0.48	0.80	
DGNM37	0.41	-0.39	0.02	0.30	-0.29	0.36	0.36	-0.20	0.19	0.20	-0.40	0.19	1.23	-0.08	0.27	
FB8284	0.67	0.86	0.65	0.50	1.47	0.58	0.62	1.53	0.58	0.39	1.80	2.21	1.49	0.31	1.03	
FDXZK3	0.42	-0.35	0.07	0.34	0.03	0.00	0.20	-1.25	0.10	0.25	0.25	0.29	0.60	-1.08	0.12	
FF3TDF	0.56	0.34	0.07	0.31	-0.24	0.16	0.44	0.31	0.10	0.26	0.32	0.00				
GDUZX8	0.48	-0.05	3.36	0.37	0.28	3.15	0.44	0.30	3.83	0.20	-0.32	0.72	1.16	-0.21	3.50	
KFPPUW	0.14	-1.67	0.13	0.16	-1.58	0.44	0.18	-1.38	0.71	0.07	-1.87	0.20	1.34	0.08	0.46	
M9G9A2	0.99	2.37	0.42	0.73	3.46X	0.19	0.41	0.12	0.06	0.32	1.03	0.58	0.85	-0.68	0.51	
MJXRUX	0.42	-0.32	0.27	0.33	-0.03	0.10	0.42	0.22	0.26	0.24	0.13	0.29	1.96	1.05	0.48	
MZMZPB	0.08	-1.95	0.05	0.10	-2.10	0.05	0.14	-1.70	0.05	0.05	-2.09	0.04	0.82	-0.73	0.08	
NQRGN8	0.50	0.05	0.76	0.28	-0.47	0.81	0.36	-0.20	0.41	0.27	0.41	2.37	1.03	-0.40	0.61	
P7ZVHA	0.52	0.13	0.67	0.32	-0.15	0.87	0.49	0.64	0.51	0.31	0.93	2.11	1.98	1.09	0.84	
PDLN WV	0.59	0.48	0.10	0.38	0.39	0.17	0.49	0.64	0.22	0.26	0.27	0.66	1.09	-0.31	0.36	
TBQ79Q	0.43	-0.27	0.74	0.40	0.56	1.65	0.27	-0.83	0.97	0.20	-0.36	0.00				
VLHAPP	0.51	0.11	0.07	0.35	0.14	0.07	0.38	-0.09	0.06	0.20	-0.33	0.19	1.19	-0.15	0.05	

B - Hot Wat. (SubTestCode 177) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Grand Median	0.49			0.34			0.39			0.23			1.29		
Median Abs Dev	0.08			0.05			0.07			0.03			0.37			
Avg Within Lab SD	0.08			0.06			0.06			0.02			0.15			
Labs Included	20			18			20			18			18			
Labs Reporting	20			19			20			19			18			



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B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6UY9BD	0.31	0.74	0.11	0.28	1.03	0.16	0.17	-0.47	0.15	0.09	0.08	0.00	0.24	-1.33	1.01	
7G8X2D	0.27	0.14	0.11	0.25	0.32	0.32	0.20	0.22	0.31	0.07	-0.65	0.34	0.72	1.08	0.41	
9TB43P	0.22	-0.88	0.28	0.22	-0.26	0.32	0.14	-0.98	0.27	0.08	-0.18	0.16	0.71	1.01	0.58	
CQFLG7	0.25	-0.22	0.76	0.26	0.52	1.03	0.18	-0.16	0.82	0.11	0.99	0.43	0.51	0.00	0.83	
GL63J9	0.18	-1.61	0.33	0.22	-0.15	0.17	0.22	0.49	0.03	0.09	0.12	0.21	0.54	0.18	1.30	
GZ7XFF	0.27	0.00	0.16	0.21	-0.43	0.08	0.26	1.22	0.12	0.11	0.88	0.02	0.52	0.09	0.04	
M3AH8V	0.24	-0.46	0.18	0.24	0.26	0.32	0.17	-0.35	0.15	0.07	-0.84	0.16	0.56	0.28	0.52	
MDDWQ9	0.29	0.50	2.90	0.13	-2.00	0.69	0.13	-1.16	0.71	0.32	9.10X	1.02	0.36	-0.75	0.47	
UWZUAL	0.33	1.22	1.06	0.30	1.35	0.00	0.20	0.16	0.00	0.10	0.47	0.00	0.67	0.80	0.94	
UZ3RHT	0.15	-2.03	0.14	0.17	-1.15	0.18	0.70	9.67X	25.00	0.10	0.33	0.39	0.52	0.07	0.38	
V8XUK6	0.29	0.46	2.10	0.30	1.43	3.55	0.29	1.91	3.45	0.13	1.53	3.65	0.34	-0.84	3.00	
WGX44Z	0.22	-0.82	0.00	0.23	-0.06	0.42	0.17	-0.41	0.27	0.07	-0.71	0.28	0.24	-1.33	0.16	
WKGY8R	0.22	-0.82	0.00	0.20	-0.64	0.16	0.17	-0.47	0.15	0.05	-1.62	0.16	0.20	-1.51	0.50	
YZ8JZK	0.27	0.08	0.32	0.26	0.52	0.42	0.25	1.10	0.71	0.09	-0.08	0.13	0.41	-0.50	0.40	
ZDQKVH	0.27	0.14	0.28	0.23	0.00	0.27	0.21	0.35	0.27	0.06	-0.97	0.16	0.44	-0.33	0.32	

B-DTPA/Sorbitol (SubTestCode 178) in the Micronutrients Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	0.27			0.23			0.19			0.088			0.51			
Median Abs Dev	0.03			0.03			0.03			0.017			0.15			
Avg Within Lab SD	0.05			0.04			0.04			0.035			0.06			
Labs Included	15			15			14			14			15			
Labs Reporting	15			15			15			15			15			



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Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6UY9BD	0.46	13.89X	7.06	0.36	19.45X	28.43	0.15	7.90X	2.78	0.18	6.31X	5.70	0.94	11.87X	1.11	
8EWH6Q	0.23	0.46	0.16	0.17	1.83	1.49	0.09	1.60	0.55	0.15	3.06	0.95	0.51	2.12	1.56	
KFPPUW	0.20	-1.52	0.63	0.14	-0.88	1.48	0.08	-0.23	1.11	0.12	0.22	2.60	0.36	-1.22	1.03	
MZMZPB	0.21	-0.82	2.25	0.15	0.00	0.24	0.09	1.14	0.68	0.12	-0.07	0.20	0.38	-0.76	1.38	
P4J7LR	0.24	0.84	0.67	0.16	1.06	0.88	0.09	1.75	0.22	0.13	0.70	0.44	0.41	-0.09	0.08	
V8XUK6	0.22	0.00		0.15	-0.19		0.07	-0.34		0.11	-0.51		0.41	-0.16		
WKGY8R	0.21	-0.64	1.39	0.15	-0.01	1.61	0.08	0.00	2.32	0.11	-1.18	0.31	0.42	0.00	1.33	
YUWR9Y	0.24	0.72	0.19	0.16	0.87	0.40	0.08	-0.23	0.45	0.12	0.00	0.06	0.47	1.20	0.10	
ZDQKVH	0.23	0.37	0.00	0.16	0.93	0.00	0.08	0.31	0.00	0.12	0.07	0.00	0.44	0.49	0.49	
ZP6HYZ	0.21	-0.70	0.28	0.15	-0.29	0.00	0.07	-0.47	0.59	0.12	-0.26	0.11	0.42	0.04	0.76	

Soil Kjeldahl N (SubTestCode 179) in the Soil Organic Matter Property Groups						Data units: Percent	
	SRS2011		SRS2012		SRS2013	SRS2014	SRS2015
Grand Median	0.22		0.15		0.077	0.12	0.42
Median Abs Dev	0.01		0.01		0.003	0.00	0.02
Avg Within Lab SD	0.01		0.00		0.003	0.01	0.01
Labs Included	9		9		9	9	9
Labs Reporting	10		10		10	10	10



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Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	0.20	-0.99	0.52	0.14	-1.00	0.31	0.08	-0.27	0.78	0.12	-0.46	0.85	0.46	0.26	0.50	
6ARZUT	0.22	-0.06	0.55	0.15	-0.09	0.12	0.09	0.84	0.34	0.14	1.40	0.72	0.50	1.51	0.87	
9D2ERA	0.20	-0.77	0.83	0.15	-0.31	0.00	0.08	-0.02	0.00	0.13	0.79	0.00	0.45	-0.05	0.67	
CQFLG7	0.20	-0.91	0.25	0.15	-0.53	0.51	0.08	-0.11	1.02	0.12	0.26	0.83	0.46	0.00	0.40	
GDUZX8	0.23	0.47	0.36	0.16	0.00	0.06	0.07	-0.62	0.04	0.12	-0.32	0.34	0.46	0.30	1.39	
K4CPX4	0.23	0.54	1.21	0.17	0.93	0.71	0.09	1.19	0.70	0.14	1.27	0.72	0.47	0.62	0.58	
LXP34X	0.24	0.96	0.30	0.18	1.02	0.88	0.09	1.25	0.85	0.14	1.40	0.59	0.50	1.45	0.12	
NB3ATU	0.23	0.31	0.66	0.16	0.03	0.62	0.08	-0.40	0.90	0.12	-0.18	0.27	0.44	-0.48	0.57	
P4J7LR	0.23	0.22	0.14	0.16	0.25	0.35	0.09	0.93	0.00	0.12	-0.01	0.27	0.43	-0.97	0.07	
P7ZVHA	0.17	-2.21	0.44	0.11	-2.15	0.73	0.06	-1.85	0.52	0.11	-1.27	0.14	0.42	-1.08	0.35	
RF4PP8	0.26	1.41	1.45	0.19	1.56	2.45	0.13	4.38X	3.34	0.16	3.07X	2.42	0.47	0.34	1.33	
UWZUAL	0.22	0.00	0.22	0.16	0.20	0.40	0.08	0.17	0.34	0.12	0.01	0.27	0.42	-1.10	0.33	
UZ3RHT	0.24	0.63	0.83	0.17	0.71	2.02	0.09	0.93	0.00	0.13	1.07	1.36	0.48	0.71	1.76	
V8XUK6	0.22	-0.10		0.15	-0.27		0.07	-1.20		0.13	1.10		0.48	0.70		
VLHAPP	0.19	-1.13	2.92	0.13	-1.31	0.97	0.08	0.02	1.70	0.11	-0.79	0.96	0.42	-1.08	2.55	
WKGY8R	0.23	0.14	0.52	0.16	0.11	0.84	0.08	0.05	2.82	0.12	-0.13	2.68	0.45	-0.30	0.40	
ZDQKVH	0.21	-0.63	0.83	0.14	-1.00	1.17	0.07	-0.96	0.00	0.12	-0.32	1.36	0.44	-0.49	0.00	

Soil TN (combustion) (SubTestCode 180) in the Soil Organic Matter Property Groups														Data units: Percent		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	0.22			0.16			0.080			0.12			0.46			
Median Abs Dev	0.01			0.01			0.008			0.01			0.02			
Avg Within Lab SD	0.01			0.00			0.003			0.00			0.01			
Labs Included	17			17			16			16			17			
Labs Reporting	17			17			17			17			17			



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Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups													Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6ARZUT	2.34	-0.76	0.77	1.33	-1.33	0.58	0.76	-0.47	0.56	1.31	-0.10	1.09	6.04	0.42	1.00
9D2ERA	2.36	-0.67	0.35	1.48	-0.04	0.23	0.80	0.43	1.66	1.33	0.12	0.99	5.87	0.00	1.16
D8YY6H	2.58	0.24	0.82	1.50	0.12	0.83	0.77	-0.28	0.92	1.30	-0.24	0.46	5.70	-0.45	0.45
GDUZX8	2.53	0.03	0.22	1.49	-0.01	0.45	0.75	-0.55	0.21	1.30	-0.26	0.41	6.02	0.38	0.35
KWEZGY	3.00	1.97		5.00	28.68X		13.00	228.83X		0.73	-7.27X	9.04	1.00	-12.53X	
LXP34X	2.50	-0.11	0.20	1.48	-0.10	0.46	0.78	0.00	0.35	1.32	0.00	0.23	6.04	0.44	0.38
NB3ATU	2.67	0.61	2.11	1.58	0.75	0.69	0.80	0.36	0.83	1.35	0.42	0.00	5.78	-0.25	1.12
P4J7LR	2.41	-0.47	0.60	2.41	7.53X	69.07	0.73	-0.88	0.47	1.22	-1.16	0.60	5.29	-1.50	0.26
P7ZVHA	2.12	-1.65	0.87	1.26	-1.86	0.40	0.73	-0.88	0.47	1.22	-1.25	0.60	5.64	-0.61	1.15
R27F9T	2.77	1.03	1.31	1.62	1.05	0.61	0.82	0.68	1.25	1.42	1.29	0.39	6.09	0.56	1.39
RF4PP8	2.39	-0.53	0.56	1.38	-0.91	2.08	0.74	-0.85	1.36	1.17	-1.77	2.65	5.30	-1.47	1.64
UZ3RHT	2.76	0.96	1.06	1.63	1.17	0.58	0.82	0.67	0.14	1.39	0.89	1.33	6.38	1.30	1.16
VLHAPP	2.52	-0.03	0.46	1.49	0.01	1.60	0.85	1.24	1.71	1.40	0.99	0.12	6.15	0.71	0.92
WKGY8R	2.61	0.38	1.62	1.58	0.75	1.52	0.86	1.50	1.20	1.34	0.28	0.86	5.61	-0.68	0.84

Soil TOC (Combustion) (SubTestCode 181) in the Soil Organic Matter Property Groups													Data units: Percent		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	2.52			1.49			0.78			1.32			5.87		
Median Abs Dev	0.14			0.09			0.04			0.03			0.22		
Avg Within Lab SD	0.03			0.03			0.02			0.03			0.07		
Labs Included	14			12			13			13			13		
Labs Reporting	14			14			14			14			14		



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SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups													Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
8EWH6Q	4.04	0.28	0.47	2.52	-0.18	1.11	1.29	-0.07	0.55	2.25	0.04	1.06	9.51	-0.07	0.28
8LWXTD	3.19	-1.19	0.69	2.85	0.92	2.65	1.87	1.85	1.59	2.54	0.78	1.80	7.72	-0.77	1.23
B6YPLP	2.87	-1.74	0.19	2.84	0.88	0.52	1.72	1.35	0.64	1.81	-1.09	1.09	6.40	-1.29	0.47
CQFLG7	4.17	0.50	0.48	2.67	0.31	0.75	1.27	-0.15	0.92	2.43	0.50	0.70	11.37	0.66	0.52
HPYFHH	3.41	-0.80	0.17	2.17	-1.32	0.15	1.02	-0.97	0.46	1.79	-1.16	0.31	8.51	-0.46	0.90
KFPPUW	4.03	0.27	2.98	2.39	-0.60	1.31	2.06	2.48	1.77	2.69	1.17	2.24	8.92	-0.30	2.95
M3AH8V	3.08	-1.37	1.15	2.05	-1.73	1.04	1.29	-0.07	2.03	1.79	-1.14	0.19	10.58	0.35	0.36
MJXRUX	3.80	-0.12	0.43	2.66	0.30	0.64	1.33	0.07	1.06	2.22	-0.04	0.61	6.64	-1.20	0.39
MZMZPB	4.18	0.52	0.82	2.56	-0.03	0.76	1.30	-0.03	0.19	2.34	0.25	0.77	11.95	0.90	0.85
P4J7LR	3.95	0.12	0.05	2.58	0.03	0.13	1.08	-0.75	0.09	2.05	-0.48	0.12	9.85	0.07	0.05
TBQ79Q	3.47	-0.70	1.27	2.30	-0.90	0.00	1.50	0.62		2.00	-0.61	1.21	4.37	-2.09	0.20
WKGY8R	4.37	0.85	0.46	2.91	1.12	0.97	1.41	0.32	0.32	2.60	0.94	0.57	11.43	0.69	0.85
YUWR9Y	3.59	-0.49	0.31	2.30	-0.89	0.30	1.11	-0.68	0.33	1.85	-1.00	0.07	10.32	0.25	0.77
ZP6HYZ	4.16	0.49	0.22	2.65	0.25	0.27	1.32	0.03	0.28	2.33	0.24	0.07	10.51	0.33	0.10

SOM - Walkley-Black (SubTestCode 182) in the Soil Organic Matter Property Groups													Data units: Percent		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	3.88			2.57			1.31			2.24			9.68		
Median Abs Dev	0.30			0.22			0.14			0.27			1.43		
Avg Within Lab SD	0.12			0.08			0.06			0.08			0.29		
Labs Included	14			14			14			14			14		
Labs Reporting	14			14			14			14			14		



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SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups														Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
26QKWF	3.91	-1.89	0.06	2.75	-0.72	0.13	3.00	-0.64	0.05	2.29	-1.01	0.21	10.48	-1.22	0.10	
2LFVJH	4.14	-1.30	0.19	2.82	-0.57	0.05	2.85	-1.17	0.08	2.20	-1.45	0.19	10.44	-1.26	0.16	
3TU2TU	4.68	0.11	0.12	3.16	0.11	0.10	3.31	0.40	0.38	2.44	-0.23	0.21	11.17	-0.16	0.06	
4FN8YW	5.06	1.10	0.03	3.44	0.69	0.09	2.37	-2.81	0.08	2.10	-1.98	0.14	9.52	-2.66	0.04	
6ARZUT	4.93	0.76	0.90	3.30	0.41	0.87	3.33	0.49	0.48	2.53	0.28	0.80	11.50	0.33	0.68	
6DEHCD	3.19	-3.76X	0.32	1.21	-3.83	1.28	1.84	-4.61X	0.63	2.20	-1.48	0.98	10.73	-0.83	0.56	
6QYWED	4.87	0.61	1.83	3.27	0.34	1.28	3.14	-0.16	1.93	2.49	0.07	1.82	11.29	0.02	1.93	
6UY9BD	4.49	-0.39	2.23	3.11	0.02	0.38	3.09	-0.34	0.84	2.52	0.21	1.36	6.62	-7.04X	10.38	
74JYAB	5.12	1.25	0.68	3.75	1.31	1.00	3.47	0.95	0.78	2.55	0.36	1.72	10.83	-0.68	0.17	
7G8X2D	4.67	0.07	1.22	3.10	0.00	2.29	3.10	-0.31	2.21	2.53	0.28	1.59	11.33	0.08	2.28	
7HHZMC	4.68	0.11	0.38	2.73	-0.76	0.65	2.97	-0.76	0.42	2.76	1.46	0.55	12.10	1.23	0.34	
7JCQTQ	4.55	-0.22	0.30	3.04	-0.11	0.18	3.18	-0.03	0.08	2.62	0.74	0.21	11.15	-0.19	0.20	
7JYWFB	4.44	-0.53	0.18	2.93	-0.34	0.31	3.08	-0.39	0.17	2.41	-0.37	0.14	11.03	-0.39	0.34	
99MGL9	4.62	-0.04	0.37	3.24	0.29	0.26	3.15	-0.15	0.24	2.48	-0.02	0.83	11.28	0.00	0.26	
9NGA6N	4.37	-0.71	0.34	2.97	-0.27	0.50	3.27	0.26	0.48	2.40	-0.42	0.00	11.10	-0.27	0.39	
9R3QM9	4.64	0.00	0.00	3.07	-0.06	0.00	3.17	-0.07	0.00	2.47	-0.05	0.00	11.23	-0.08	0.00	
ADGXB8	5.50	2.23	4.12	4.07	1.96	3.61	3.47	0.95	2.69	2.40	-0.42	2.75	10.23	-1.58	4.71	
CGPZB9	4.97	0.86	0.44	3.25	0.30	0.18	3.37	0.60	0.46	2.61	0.68	0.77	11.28	0.00	0.52	
CQFLG7	4.77	0.33	0.90	3.13	0.07	1.80	3.27	0.26	0.48	2.30	-0.94	1.38	12.03	1.14	0.99	
FDXZK3	4.48	-0.41	0.12	2.88	-0.44	0.25	2.96	-0.78	0.49	2.44	-0.23	0.16	11.19	-0.13	0.16	
GDUZX8	4.60	-0.09	1.85	2.97	-0.26	1.38	3.06	-0.44	0.85	2.49	0.03	0.30	11.27	-0.02	1.05	
GL63J9	6.45	4.70X	2.01	4.98	3.81	1.44	3.64	1.55	3.98	3.63	6.00X	1.12	12.34	1.61	0.46	
GZ7XFF	4.54	-0.25	0.09	2.89	-0.42	0.18	2.98	-0.73	0.11	2.48	-0.02	0.12	11.44	0.24	0.08	
HHZTR4	4.64	0.00	0.03	3.03	-0.15	0.06	3.19	0.01	0.04	2.49	0.06	0.07	11.33	0.08	0.02	
KFPPUW	5.62	2.53	1.59	3.81	1.43	1.25	4.42	4.22X	3.52	2.90	2.20	0.48	12.53	1.89	0.60	
KR4MZ2	4.60	-0.10	0.37	3.02	-0.16	0.31	3.32	0.45	0.52	2.32	-0.84	1.85	11.36	0.12	1.07	



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SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups													Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
KWEZGY	4.00	-1.66		7.97	9.86X	0.50	21.67	63.26X	4.83	0.97	-7.89X	0.80	1.80	-14.32X	0.00
LM4YVY	4.99	0.90	0.53	3.38	0.57	1.22	3.48	1.00	0.70	2.70	1.15	1.37	11.93	0.98	1.22
M9G9A2	4.79	0.40	0.32	3.16	0.12	0.55	3.46	0.91	0.41	2.61	0.67	0.99	12.06	1.18	0.38
MDDWQ9	4.54	-0.27	0.07	2.81	-0.58	0.13	3.22	0.11	0.21	2.19	-1.50	0.21	11.30	0.02	0.18
NB3ATU	5.03	1.01	0.00	3.24	0.29	0.10	3.34	0.50	0.34	2.54	0.31	0.50	11.17	-0.17	0.60
NQRGN8	4.70	0.17	0.59	3.26	0.32	0.82	3.32	0.45	0.17	2.58	0.50	0.76	11.40	0.18	0.39
P2R88U	7.10	6.38X	0.59	5.30	4.46	0.87	2.27	-3.16	0.48	2.37	-0.59	0.80	3.23	-12.15X	0.23
P4J7LR	4.70	0.16	0.59	3.07	-0.07	0.50	3.00	-0.65	0.84	2.27	-1.11	0.80	11.20	-0.12	0.39
P7ZVHA	5.54	2.34	0.63	3.83	1.47	1.11	3.52	1.13	1.16	2.72	1.23	1.24	12.52	1.88	0.62
PDLNWV	4.60	-0.10	1.02	3.23	0.27	2.00	3.03	-0.54	1.28	2.60	0.62	2.39	11.30	0.03	0.68
RF4PP8	4.69	0.13	0.14	3.05	-0.10	0.24	3.04	-0.52	0.12	2.68	1.05	0.20	11.98	1.05	0.05
UWZUAL	4.46	-0.47	0.24	2.93	-0.35	0.10	3.05	-0.48	0.08	2.43	-0.28	0.42	11.19	-0.14	0.14
VLHAPP	4.45	-0.49	0.45	2.95	-0.31	0.76	3.32	0.45	0.16	2.55	0.35	0.76	11.66	0.58	0.30
XTAQRQ	4.00	-1.66		2.90	-0.41	0.00	2.80	-1.34	0.00	2.20	-1.46	0.00	9.30	-2.99	0.00
YZ8JZK	4.60	-0.10	0.59	3.10	0.00	0.00	3.27	0.26	0.48	2.37	-0.59	0.80	11.20	-0.12	0.39
ZDQKVH	4.36	-0.72	0.18	2.98	-0.24	0.26	3.19	0.00	0.30	2.48	0.02	0.57	14.26	4.49X	0.22
ZNMQPF	4.52	-0.31	0.26	3.00	-0.21	0.10	3.31	0.42	0.21	2.46	-0.11	0.36	10.99	-0.44	0.12
ZWGWJG	4.98	0.87	0.03	3.30	0.41	0.41	3.49	1.04	0.51	2.67	0.99	0.77	11.87	0.88	0.05

SOM - LOI (% Wt loss) (SubTestCode 183) in the Soil Organic Matter Property Groups													Data units: Percent		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	4.64			3.10			3.19			2.48			11.3		
Median Abs Dev	0.16			0.16			0.14			0.11			0.2		
Avg Within Lab SD	0.17			0.12			0.12			0.07			0.3		
Labs Included	41			43			41			42			40		
Labs Reporting	44			44			44			44			44		



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SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups															Data units: %
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
26QKWF	3.59		0.05	3.54		1.97	2.77		0.02	2.13		0.16	9.50		0.13
KWEZGY	4.00			7.97		0.07	21.67		1.78	0.97		0.59	1.80		0.00
LXP34X	5.37		1.24	3.60		0.20	3.63		0.71	2.77		1.18	12.20		0.86
V8XUK6	3.90		1.20	2.57		0.26	2.79		0.56	2.31		1.49	10.28		1.80
SOM - Actual (Unregressed) (SubTestCode 184) in the Soil Organic Matter Property Groups															Data units: %
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	3.95			3.57			3.21			2.22			9.89		
Median Abs Dev															
Avg Within Lab SD	0.20			0.88			0.32			0.10			0.20		
Labs Included	4			4			4			4			4		
Labs Reporting	4			4			4			4			4		



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CaCO3 Content (SubTestCode 185) in the Content Property Groups													Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
2363EV	1.24	0.02	0.28	0.89	-0.08	0.24							1.20	0.15	0.47
CQFLG7	1.13	-0.14	1.70	1.00	0.08	1.86	0.80	1.06	1.47	0.67		1.25	0.73	-0.98	0.93
D8YY6H	0.62	-0.89	1.12	0.28	-0.90	0.46	0.36	-0.12	0.72	0.43		0.34	0.82	-0.78	1.00
KFPPUW	2.47	1.83	0.97	2.54	2.16	0.75	1.19	2.11	0.89	1.39		1.31	1.70	1.36	0.41
LXP34X	1.21	-0.02	0.81	0.81	-0.18	0.49	0.40	0.00					1.08	-0.15	1.17
ZDQKVH	2.01	1.15	0.44	1.42	0.65	1.22	0.37	-0.08	0.73	0.41		0.78	1.39	0.61	1.55

CaCO3 Content (SubTestCode 185) in the Content Property Groups													Data units: Percent		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Grand Median	1.23			0.94			0.40			0.55			1.14	
Median Abs Dev	0.35			0.31			0.04						0.29		
Avg Within Lab SD	0.07			0.05			0.07			0.05			0.06		
Labs Included	6			6			5			4			6		
Labs Reporting	6			6			5			4			6		



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CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups															Data units: cmol/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
9TB43P	24.3	-0.62	0.10	19.8	-0.34	0.08	9.1	0.94	1.18	7.3	0.28	0.85	17.9	-0.37	0.84		
LXP34X	26.7	0.20	0.60	22.4	0.98	0.59	6.4	-0.13	2.22	6.7	-0.01	0.89	26.6	0.72	0.65		
P4J7LR	25.7	-0.13	1.14	18.7	-0.89	0.17	7.0	0.13	0.14	8.0	0.58	0.49	24.2	0.42	0.24		
P7ZVHA	30.9	1.65	2.15	23.6	1.58	2.54	7.9	0.49	0.37	7.7	0.46	0.64	26.0	0.65	0.47		
RF4PP8	31.5	1.85	0.84	21.1	0.33	0.37	2.7	-1.58	0.30	2.9	-1.71	2.33	19.4	-0.18	2.45		
WKGY8R	26.1	0.00	0.10	19.3	-0.60	0.00	7.1	0.15	0.21	6.7	0.01	0.49	12.5	-1.04	0.63		
YUWR9Y	25.3	-0.27	0.01	20.5	0.00	0.05	6.2	-0.17	1.17	6.5	-0.09	0.27	22.3	0.18	0.46		
ZDQKVH	8.1	-6.22X	0.12	5.9	-7.44X	0.05	2.1	-1.80	0.00	1.7	-2.25	0.28	6.3	-1.82	0.03		

CEC - Cation Displacement (SubTestCode 186) in the Other 1 Property Groups															Data units: cmol/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015				
Grand Median	26.1			20.5			6.68			6.68			20.8				
Median Abs Dev	0.8			1.2			0.84			0.82			4.3				
Avg Within Lab SD	1.7			1.2			0.27			0.20			2.0				
Labs Included	7			7			8			8			8				
Labs Reporting	8			8			8			8			8				



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CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups														Data units: cmol/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
4FN8YW	22.0	-1.09	0.51	20.7	-0.21	0.00	9.1	0.79	0.15	9.0	0.63	0.33	18.7	-0.22	0.00	
6UY9BD	29.1	0.04	2.62	23.1	0.70	2.38	8.7	0.59	1.07	8.4	0.41	2.35	12.2	-1.03	2.01	
74JYAB	24.9	-0.63	0.44	19.5	-0.68	0.54	5.2	-1.03	0.46	5.2	-0.87	0.33	22.0	0.18	0.30	
83L6NQ	32.8	0.64	1.00	23.2	0.74	0.97	7.4	-0.01	0.53	7.4	0.00	0.83	12.5	-0.99	0.48	
KFPPUW	24.4	-0.71	0.46	20.4	-0.34	1.00	5.7	-0.81	1.69	5.3	-0.80	0.08	20.5	0.00	1.15	
KWEZGY	17.7	-1.78	0.51	22.0	0.29		29.7	10.31X	1.54	4.8	-1.01	0.57	22.0	0.19		
NB3ATU	32.8	0.64	0.26	24.6	1.29	0.49	11.1	1.69	0.50	11.7	1.71	0.21	26.7	0.77	1.23	
NQRGN8	26.0	-0.45	0.97	20.1	-0.44	1.33	7.0	-0.21	0.82	6.2	-0.46	0.57	8.3	-1.50	0.61	
P2R88U	29.1	0.05	1.00	20.5	-0.27	0.44	7.7	0.13	1.93	8.1	0.30	0.33	13.6	-0.85	0.93	
P7ZVHA	37.8	1.44	1.02	26.6	2.05	0.55	10.3	1.33	1.47	10.7	1.30	1.03	31.3	1.34	1.07	
RF4PP8	28.8	0.00	0.76	21.2	0.00	1.02	5.3	-0.98	0.05	5.4	-0.76	0.14	23.2	0.33	0.79	
UWZUAL	22.2	-1.05	0.57	17.2	-1.57	0.54	6.3	-0.51	0.67	6.9	-0.17	1.82	12.8	-0.94	0.36	
VLHAPP	30.4	0.25	0.55	21.7	0.17	0.46	7.4	0.01	0.48	8.2	0.34	1.18	24.0	0.43	1.29	

CEC - Estimation (SubTestCode 187) in the Other 1 Property Groups														Data units: cmol/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	28.8			21.2			7.42			7.37			20.5			
Median Abs Dev	4.0			1.1			1.49			1.60			6.2			
Avg Within Lab SD	1.1			0.6			0.37			0.35			1.1			
Labs Included	13			13			12			13			13			
Labs Reporting	13			13			13			13			13			



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Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups														Data units: g/cc		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
24K3XK	1.34	0.36	0.26	1.32	0.07	0.39	1.46	0.52	0.84	1.32	0.00	1.51	0.82	0.00	0.35	
6ARZUT	1.31	0.00	1.48	1.24	-0.90	1.11	1.27	-1.10	0.65	1.31	-0.07	0.33	0.80	-0.29	1.73	
83L6NQ	1.21	-1.07	1.22	1.22	-1.19	2.02	1.28	-1.04	2.08	1.15	-1.59	1.48	0.78	-0.53	0.60	
B6YPLP	1.37	0.74		1.33	0.21		1.46	0.47		1.33	0.16		0.91	1.13		
C2EJ2K	1.28	-0.27	1.48	1.26	-0.74	0.67	1.35	-0.43	0.65	1.18	-1.28	1.18	0.79	-0.43	1.59	
KFPPUW	1.29	-0.19	0.28	1.32	0.00	0.14	1.40	0.00	0.36	1.40	0.80	0.11	0.89	0.84	0.14	
RXJYQ9	2.44	13.03X	0.34	2.43	13.67X	0.25	2.63	10.22X	0.37	2.51	11.12X	0.33	2.26	17.85X	0.44	
WKGY8R	1.49	2.10	0.00	1.45	1.60	0.25	1.54	1.15	0.00	1.41	0.84	0.19	0.94	1.50	0.00	

Soil Density (Scoop) (SubTestCode 188) in the Other 1 Property Groups						Data units: g/cc	
	SRS2011		SRS2012		SRS2013	SRS2014	SRS2015
Grand Median	1.31		1.32		1.40	1.32	0.82
Median Abs Dev	0.03		0.06		0.06	0.09	0.04
Avg Within Lab SD	0.02		0.02		0.02	0.03	0.03
Labs Included	7		7		7	7	7
Labs Reporting	8		8		8	8	8



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Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups													Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
24K3XK	40.0	-0.14		32.0	0.52		36.7	-0.16	1.03	64.0	0.22		42.7	0.33	0.52
3MQX6G	36.6	-0.82	0.50	23.9	-0.76	0.41	35.2	-0.49	0.22	63.3	0.03	0.49	27.3	-1.35	0.37
3TU2TU	32.2	-1.72	0.66	21.1	-1.20	0.41	31.9	-1.23	0.65	57.2	-1.51	0.00	23.6	-1.77	0.35
6ARZUT	39.8	-0.19	0.93	28.2	-0.08	0.29	36.7	-0.16	1.07	60.4	-0.71	0.23	31.8	-0.86	0.70
6UY9BD	45.6	1.00	2.11	34.3	0.88	0.43	40.3	0.65	1.09	64.9	0.46	1.61	48.3	0.95	1.19
74JYAB	33.5	-1.46	0.90	18.2	-1.65	0.35	28.3	-2.04	0.68	54.2	-2.28	0.93	30.7	-0.99	0.21
7G8X2D	44.7	0.81	1.01	32.0	0.52		40.7	0.74	1.03	66.0	0.73	2.13	44.0	0.48	3.10
7HHZMC	44.4	0.75	2.15	34.6	0.93	0.00	46.9	2.13	0.00	34.4	-7.33X	0.00	46.4	0.74	0.00
99MGL9	44.8	0.85	0.00	28.3	-0.06	0.00	34.4	-0.65	0.00	72.4	2.37	0.00	55.4	1.73	0.00
ADGXB8	40.0	-0.14		34.7	0.94	3.29	36.7	-0.16	2.06	63.3	0.05	1.23	44.0	0.48	
C2EJ2K	40.7	0.00	0.51	27.0	-0.27	0.51	39.0	0.37	0.89	62.0	-0.29		42.0	0.26	0.78
DGNM37	36.7	-0.81	1.01	24.7	-0.63	0.59	34.0	-0.75		61.3	-0.46	1.23	37.7	-0.22	0.52
GDUZX8	44.7	0.81	0.67	34.5	0.92	0.51	41.3	0.89	0.52	63.5	0.10	0.92	46.7	0.77	1.37
K4CPX4	41.9	0.25	1.33	27.6	-0.16	1.91	39.6	0.49	1.62	68.3	1.33	1.30	37.1	-0.28	1.30
KFPPUW	40.7	0.00	0.51	28.0	-0.11		37.0	-0.08		62.7	-0.12	1.23	34.0	-0.62	
KWEZGY	19.0	-4.41X		51.0	3.52X		64.0	5.96X		47.0	-4.11X		61.0	2.35X	
MZMZPB	40.2	-0.10	0.48	29.1	0.06	0.28	38.4	0.22	0.37	66.7	0.91	0.17	41.0	0.15	0.09
NQRGN8	42.5	0.37	0.88	34.0	0.84	1.28	40.3	0.67	0.68	61.8	-0.33	0.31	43.8	0.46	1.01
P7ZVHA	34.5	-1.25	0.52	23.5	-0.81	0.75	34.3	-0.68	0.49	62.3	-0.20	0.36	36.8	-0.31	0.48
RF4PP8	42.0	0.27		34.0	0.84		40.0	0.59		64.0	0.22		40.0	0.04	
RXJYQ9	32.8	-1.59	0.04	17.9	-1.69	0.07	33.0	-0.98	0.05	59.2	-1.00	0.17	18.0	-2.38X	0.12
UWZUAL	51.0	2.10		31.0	0.36		39.0	0.37		67.0	0.99		51.0	1.25	
UZ3RHT	42.9	0.46	0.63	35.8	1.13	0.74	40.8	0.78	1.29	65.8	0.69	1.54	36.7	-0.33	0.65
V8XUK6	40.2	-0.09		30.6	0.30		39.5	0.47		63.1	0.00		37.7	-0.22	
VLHAPP	41.8	0.23		29.7	0.16		37.7	0.08		61.7	-0.36		39.6	0.00	
WKGY8R	41.7	0.20	0.51	25.7	-0.48	0.30	36.0	-0.30	1.55	59.7	-0.88	0.61	33.3	-0.69	0.52



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Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015			
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
YUWR9Y	35.2	-1.11	1.37	20.8	-1.24	0.00	31.0	-1.43	1.34	60.7	-0.63	0.80	25.3	-1.57	0.72	

Sand 2000 - 50 um (SubTestCode 189) in the Particle Size Analysis Property Groups														Data units: Percent		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	40.7			28.7			37.4			63.1			39.6			
Median Abs Dev	3.0			4.4			2.8			1.8			4.4			
Avg Within Lab SD	1.1			2.0			1.1			0.9			2.2			
Labs Included	26			26			26			25			25			
Labs Reporting	27			27			27			27			27			



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Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups													Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
24K3XK	28.0	-0.75		32.0	-1.20		31.3	-0.70	0.96	25.3	-1.25	1.17	36.7	-0.87	0.50
3MQX6G	33.1	0.09	0.12	41.8	0.16	0.08	34.4	0.08	0.85	26.9	-0.53	0.16	54.2	1.21	0.24
3TU2TU	34.8	0.37	1.15	42.7	0.29	0.70	32.8	-0.32	0.65	32.0	1.75	0.76	52.2	0.97	0.91
6ARZUT	27.2	-0.89	1.38	34.9	-0.80	0.49	30.4	-0.94	1.47	27.4	-0.32	0.00	43.9	-0.01	0.18
6UY9BD	29.9	-0.44	0.39	37.2	-0.48	0.32	33.9	-0.05	1.70	28.5	0.20	1.64	43.2	-0.09	0.63
74JYAB	33.1	0.09	1.09	42.5	0.25	0.62	35.1	0.25	1.07	31.2	1.40	1.42	50.7	0.80	0.40
7G8X2D	32.3	-0.03	0.98	41.3	0.09	0.54	36.3	0.57	0.96	28.3	0.11	1.17	43.3	-0.08	2.79
7HHZMC	24.2	-1.37	0.12	36.9	-0.52	0.00	29.0	-1.30	0.00	41.6	6.12X	0.00	37.3	-0.79	0.00
99MGL9	22.2	-1.70	0.00	32.7	-1.10	0.00	24.6	-2.40	0.00	12.5	-7.08X	0.00	7.1	-4.36X	0.00
ADGXB8	32.7	0.02	0.98	34.7	-0.83	3.51	35.3	0.32	0.96	27.7	-0.20	1.55	44.0	0.00	0.75
C2EJ2K	33.2	0.11	1.35	42.3	0.22	0.86	34.3	0.05	1.18	29.1	0.47	0.82	42.6	-0.17	1.71
DGNM37	31.0	-0.25		40.7	0.00	0.54	36.0	0.48		27.3	-0.35	1.17	44.0	0.00	
GDUZX8	25.5	-1.16	2.36	32.8	-1.08	0.97	27.8	-1.58	0.63	24.3	-1.71	1.55	32.5	-1.36	1.42
K4CPX4	34.8	0.38	0.64	43.7	0.42	1.71	34.6	0.12	1.93	28.0	-0.06	0.43	54.3	1.21	1.09
KFPPUW	28.3	-0.69	0.49	37.0	-0.51	0.46	32.3	-0.44	0.48	27.3	-0.35	1.17	45.3	0.16	0.50
KWEZGY	44.0	1.90		28.0	-1.75		19.0	-3.81X		42.0	6.30X		22.0	-2.60	
MZMZPB	35.8	0.55	0.71	44.7	0.55	0.36	35.4	0.34	0.50	27.8	-0.12	0.38	53.0	1.06	0.26
NQRGN8	36.7	0.68	0.65	34.5	-0.85	0.23	31.8	-0.57	0.24	29.7	0.71	0.29	42.2	-0.22	1.20
P7ZVHA	43.0	1.73	1.07	49.3	1.20	0.82	39.8	1.44	0.35	31.4	1.47	0.44	56.9	1.52	0.45
RF4PP8	29.0	-0.58		36.0	-0.64		32.0	-0.53		28.0	-0.05		45.0	0.12	
RXJYQ9	47.4	2.46X	1.39	53.2	1.73	0.16	39.3	1.31	0.32	32.7	2.07	0.36	76.0	3.78X	1.52
UWZUAL	38.0	0.90		48.0	1.01		40.0	1.50		26.0	-0.95		42.0	-0.24	
UZ3RHT	30.8	-0.28	0.61	35.8	-0.67	0.33	32.1	-0.51	0.60	26.7	-0.65	1.46	47.9	0.46	0.31
V8XUK6	32.4	-0.02		41.2	0.07		33.9	-0.05		28.2	0.05		47.3	0.39	
VLHAPP	26.0	-1.07		36.1	-0.63		32.1	-0.50		28.2	0.05		42.2	-0.21	
WKGY8R	38.3	0.96	0.49	42.3	0.23	0.27	35.0	0.23	1.66	30.3	1.01	0.58	52.7	1.02	0.50



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Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups													Data units: Percent		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
YUWR9Y	35.5	0.49	1.32	47.5	0.94		37.9	0.97	1.25	28.9	0.38	0.76	55.1	1.31	0.70

Silt 50 - 2 um (SubTestCode 190) in the Particle Size Analysis Property Groups													Data units: Percent		
SRS2011				SRS2012			SRS2013			SRS2014			SRS2015		
Grand Median	32.5			40.7			34.1			28.1			44.0		
Median Abs Dev	3.4			4.5			2.0			0.9			3.9		
Avg Within Lab SD	1.2			2.2			1.2			1.0			2.3		
Labs Included	26			27			26			24			25		
Labs Reporting	27			27			27			27			27		



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Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
24K3XK	32.0	0.62		36.0	0.93		32.0	0.96		10.7	0.53	1.42	20.7	0.80	0.81		
3MQX6G	30.3	0.31	0.24	34.3	0.60	0.56	30.4	0.58	0.82	9.8	0.25	0.38	18.5	0.47	0.19		
3TU2TU	33.0	0.80	0.27	36.2	0.97	0.62	35.3	1.76	0.79	10.8	0.58	0.92	24.2	1.34	1.16		
6ARZUT	33.1	0.81	0.17	37.0	1.12	0.51	33.0	1.20	0.60	12.3	1.03	0.26	24.4	1.37	1.34		
6UY9BD	24.5	-0.70	0.70	27.2	-0.74	2.18	25.9	-0.51	1.35	6.5	-0.78	0.28	8.5	-1.05	1.42		
74JYAB	33.5	0.88	0.20	39.3	1.56	0.57	36.7	2.08	1.16	14.6	1.77	1.48	18.6	0.49	0.56		
7G8X2D	23.0	-0.97		26.7	-0.85	1.03	23.0	-1.20		5.8	-1.02	1.42	12.7	-0.42	0.81		
7HHZMC	31.4	0.51	0.81	28.6	-0.49	0.00	24.2	-0.92	0.00	24.0	4.73X		16.3	0.14	0.00		
99MGL9	32.9	0.78	0.00	39.0	1.49	0.00	41.0	3.12X	0.00	15.1	1.93	0.00	37.5	3.38X	0.00		
ADGXB8	28.0	-0.09	0.70	30.7	-0.09	1.03	28.0	0.00	2.11	9.0	0.00	1.23	12.0	-0.52	1.22		
C2EJ2K	26.1	-0.42	0.65	30.7	-0.07	0.92	26.7	-0.30	2.11	8.9	-0.04	1.00	15.4	0.00	2.10		
DGNM37	32.3	0.68	0.40	35.7	0.87	1.03	31.0	0.72		12.0	0.95	1.23	18.3	0.45	0.81		
GDUZX8	29.8	0.24	1.19	32.7	0.29	2.25	30.8	0.68	0.30	12.2	1.00	1.28	20.8	0.83	0.20		
K4CPX4	23.3	-0.93	0.79	28.6	-0.47	0.39	25.9	-0.51	0.99	3.7	-1.67	1.95	8.6	-1.04	0.43		
KFPPUW	31.0	0.44	0.35	35.0	0.74	0.89	30.7	0.64	0.61	10.0	0.32		20.7	0.80	0.81		
KWEZGY	25.0	-0.62	3.69	14.0	-3.25X	3.79											
MZMZPB	24.0	-0.80	0.14	26.3	-0.92	0.24	26.2	-0.43	0.53	5.5	-1.12	0.29	6.1	-1.42	0.37		
NQRGN8	20.8	-1.36	0.61	31.5	0.07	1.79	27.8	-0.04	0.80	8.5	-0.16		14.0	-0.21	0.35		
P7ZVHA	22.5	-1.06	0.24	27.1	-0.76	0.28	25.9	-0.51	0.13	6.3	-0.85	0.14	6.3	-1.39	0.03		
RF4PP8	29.0	0.09		30.0	-0.21		28.0	0.00		8.0	-0.32		15.0	-0.06			
RXJYQ9	19.7	-1.55	0.59	28.9	-0.43	0.42	27.8	-0.06	0.46	8.1	-0.28	0.24	6.0	-1.44	2.28		
UWZUAL	11.0	-3.10X		21.0	-1.92		21.0	-1.68		7.0	-0.63		7.0	-1.28			
UZ3RHT	26.3	-0.40		28.3	-0.53	0.65	27.1	-0.22	0.76	7.5	-0.47		15.4	0.00	0.51		
V8XUK6	27.4	-0.20		28.2	-0.56		26.6	-0.33		8.7	-0.10		15.0	-0.07			
VLHAPP	32.2	0.65		34.2	0.58		30.2	0.52		10.1	0.34		18.2	0.42			
WKGY8R	20.0	-1.50		32.0	0.17		29.0	0.24	1.05	10.0	0.32		14.0	-0.21			



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Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent			
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
YUWR9Y	29.3	0.14	0.00	31.7	0.11	0.00	31.1	0.75	0.00	10.4	0.44	0.00	19.6	0.64	0.00			

Clay 2 - 0 um (SubTestCode 191) in the Particle Size Analysis Property Groups															Data units: Percent			
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	28.5			31.1			28.0			9.00			15.4					
Median Abs Dev	3.7			3.1			2.2			1.67			3.4					
Avg Within Lab SD	2.9			1.1			0.9			0.81			1.4					
Labs Included	26			26			25			25			25					
Labs Reporting	27			27			26			26			26					



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Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups														Data units: %				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
MZMZPB	31.3		1.00	32.6		1.00	29.9		1.00	15.1		1.00	37.7		1.00			

Field Moisture Capacity (SubTestCode 192) in the Moisture Property Groups														Data units: %				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	31.3			32.6			29.9			15.1			37.7					
Median Abs Dev	0.2			0.0			0.3			0.1			0.5					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



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Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
MZMZPB	16.8		1.00	17.1		1.00	16.5		1.00	5.3		1.00	13.9		1.00			

Permanent Wilting Point (SubTestCode 193) in the Moisture Property Groups														Data units: %				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	16.8			17.1			16.5			5.32			13.9					
Median Abs Dev	0.2			0.2			0.3			0.16			0.4					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					



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Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
HPYFHH	6.5		0.85	4.9		1.32	3.3		1.30	3.4		1.26	10.7		0.79	
MZMZPB	14.5		1.13	15.5		0.51	13.4		0.57	9.7		0.64	23.9		1.17	
Available Water Content (SubTestCode 194) in the Moisture Property Groups														Data units: %		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	10.5			10.2			8.32			6.58			17.3			
Median Abs Dev																
Avg Within Lab SD	0.1			0.2			0.15			0.07			0.2			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



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Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups													Data units: mg/kg			
SRS2011				SRS2012				SRS2013			SRS2014			SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	520.1		1.00	482.3		1.00	481.1		1.00	327.5		1.00	1,679.4		1.00	
V8XUK6	520.0			509.2			490.8			328.7			1,621.5			
Total Soil P (EPA-3050/3051/3052) (SubTestCode 195) in the Other 2 Property Groups													Data units: mg/kg			
SRS2011				SRS2012				SRS2013			SRS2014			SRS2015		
Grand Median	520.1			495.7			486.0			328.1			1,650.5			
Median Abs Dev																
Avg Within Lab SD	7.3			6.4			10.8			3.4			21.9			
Labs Included	2			2			2			2			2			
Labs Reporting	2			2			2			2			2			



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DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
WebCode	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
9TB43P	15.3		0.93	13.3		1.33	11.7		0.85	7.0			54.7		0.14	
M3AH8V	13.7		1.06	10.9		0.48	14.8		1.13	5.8		1.00	83.7		1.39	
WKGY8R	12.0			8.0			12.0			5.0			41.7		1.03	
DTPA-sorbitol extractable S (SubTestCode 198) in the Other 2 Property Groups														Data units: mg/kg		
	SRS2011			SRS2012			SRS2013			SRS2014			SRS2015			
Grand Median	13.7			10.9			12.0			5.77			54.7			
Median Abs Dev																
Avg Within Lab SD	0.6			0.4			0.7			0.15			4.0			
Labs Included	3			3			3			3			3			
Labs Reporting	3			3			3			3			3			



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DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
WKGY8R	0.45		1.00	0.20		1.00	3.63		1.00	20.27		1.00	6.90		1.00			

DTPA-sorbitol extractable AI (SubTestCode 199) in the Other 2 Property Groups														Data units: mg/kg				
SRS2011				SRS2012				SRS2013				SRS2014				SRS2015		
Grand Median	0.45			0.20			3.63			20.3			6.90					
Median Abs Dev																		
Avg Within Lab SD	0.05			0.00			0.06			0.2			0.20					
Labs Included	1			1			1			1			1					
Labs Reporting	1			1			1			1			1					





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Dry Matter (%) (SubTestCode 201)													Data units: Percent		
WebCode	SRB2009			SRB2010			SRB2011			SRB2012					
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score			
3TU2TU	95.0	0.03	0.09	93.5	0.00	0.18	94.4	0.11	0.35	94.2	0.01	0.31			
83L6NQ	95.0	0.00		93.6	0.08		94.4	0.10		94.2	0.00				
9WD468	95.2	0.18	0.00	93.6	0.06	0.00	94.4	0.08	0.00	94.9	0.46	0.00			
GDUZX8	93.6	-1.21	1.93	92.8	-0.49	1.95	93.4	-0.89	1.51	92.7	-1.07	2.68			
GJGQK3	96.9	1.69	0.00	96.6	2.19	0.00	97.3	2.89	0.00	97.0	1.89				
M9G9A2	94.2	-0.75	2.21	93.3	-0.17	2.59	93.3	-0.97	2.89	93.4	-0.57	1.33			
MDDWQ9	99.5	3.97X	0.17	99.5	4.28X	0.20	99.3	4.83X	0.00	99.7	3.73X	0.00			
NB3ATU	95.5	0.44		95.0	1.03	0.72	94.2	-0.11	0.38	95.0	0.50	0.62			
NQRGN8	93.0	-1.79	1.14	90.9	-1.84	0.19	92.9	-1.35	0.04	90.8	-2.31	0.33			
RF4PP8	96.1	0.94	0.22	95.3	1.25	0.54	95.8	1.44	0.35	94.7	0.32	0.92			
UZ3RHT	95.6	0.51	0.05	94.1	0.40	0.06	94.7	0.35	0.08	95.0	0.51	0.02			
VLHAPP	93.9	-0.95	0.16	92.5	-0.73	0.17	94.3	0.00	0.74	93.5	-0.48	0.11			
WKGY8R	94.8	-0.22		93.0	-0.39	0.00	94.0	-0.34	0.00	93.3	-0.64	0.00			
ZDQKVH	94.9	-0.05	0.15	93.3	-0.14	0.75	94.2	-0.14	0.65	94.2	-0.01	0.80			

Dry Matter (%) (SubTestCode 201)					Data units: Percent	
	SRB2009		SRB2010		SRB2011	
Grand Median	95.0		93.5		94.3	
Median Abs Dev	0.6		0.6		0.3	
Avg Within Lab SD	0.3		0.3		0.3	
Labs Included	13		13		13	
Labs Reporting	14		14		14	



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NO3 - N Cd Rd. (SubTestCode 202)												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6UY9BD	33.3	1.29	0.38	787.3	-0.51	0.45	190.7	-0.41	0.20	2,893.3	0.61	0.08	
7G8X2D	10.7	-0.30	0.51	920.0	0.98	0.82	246.7	1.32	1.04	2,876.7	0.56	0.13	
7JYWFB	14.3	-0.04	0.58	605.7	-2.55	1.02	182.0	-0.68	2.61	2,690.0	-0.01	0.07	
ADGXB8	103.9	6.24X	10.33	846.3	0.15	2.26	195.9	-0.25	2.50	2,847.1	0.47	0.13	
AM33J8	10.0	-0.35	0.65	693.0	-1.57	0.92	164.7	-1.22	0.62	2,078.7	-1.88	0.00	
FB8284	109.5	6.63X	10.47	780.2	-0.59	1.47	320.5	3.60X	0.64	2,528.8	-0.50	0.12	
GDUZX8	15.6	0.04	1.10	721.9	-1.25	1.82	176.5	-0.85	0.12	2,262.3	-1.32	0.08	
K4CPX4	42.3	1.92	2.51	846.3	0.15	1.04	249.3	1.40	0.44	2,577.7	-0.35	0.03	
M3AH8V	43.7	2.01	1.57	831.0	-0.02	0.54	227.0	0.71	0.25	3,004.0	0.95	0.08	
MJXRUX	26.0	0.77	1.13	711.7	-1.36	0.10	221.7	0.55	0.15	2,409.3	-0.87	0.04	
NB3ATU	1.5	-0.95	0.19	839.6	0.08	0.34	198.9	-0.16	0.16	2,696.9	0.01	0.06	
P4J7LR	9.6	-0.37	0.07	941.2	1.22	0.16	242.9	1.20	0.23	3,311.7	1.89	0.04	
R27F9T	16.3	0.10	0.22	824.3	-0.10	0.34	204.0	0.00	0.10	2,779.0	0.26	0.02	
RF4PP8	5.9	-0.63	0.35	848.8	0.18	0.05	205.7	0.05	0.14	2,904.4	0.65	3.99	
UZ3RHT	8.9	-0.43	0.03	834.7	0.02	0.13	214.7	0.33	0.09	2,683.4	-0.03	0.01	
ZDQKVH	18.3	0.24	1.15	838.0	0.06	1.00	172.3	-0.98	0.10	2,561.3	-0.40	0.06	

NO3 - N Cd Rd. (SubTestCode 202)					Data units: mg/kg	
	SRB2009	SRB2010	SRB2011	SRB2012		
Grand Median	15.0	832.9	204.0	2,693.5		
Median Abs Dev	5.7	30.7	22.0	173.9		
Avg Within Lab SD	2.6	47.0	20.8	1,211.7		
Labs Included	14	16	15	16		
Labs Reporting	16	16	16	16		



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NO3 - N ISE (SubTestCode 203)										Data units: mg/kg
WebCode	SRB2009			SRB2010			SRB2011			SRB2012
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	268.7		1.00	1,426.7		0.74	620.3		1.38	3,226.7 1.10
LM4YVY	260.0		1.69	1,383.3		1.70	480.0		1.38	3,483.3 1.63
M9G9A2	92.8		0.35	1,185.0		0.22	480.5		0.28	3,329.0 0.33
WKGY8R	310.7		0.16	1,124.4		0.72	415.4		0.35	2,926.9 0.15

NO3 - N ISE (SubTestCode 203)										Data units: mg/kg
	SRB2009			SRB2010			SRB2011			SRB2012
Grand Median	264.3			1,284.2			480.2			3,277.8
Median Abs Dev										
Avg Within Lab SD	18.5			54.7			34.1			97.6
Labs Included	4			4			4			4
Labs Reporting	4			4			4			4



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NO3 - N Oth. (SubTestCode 204)										Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3TU2TU	793.3		1.36	1,133.7		0.12	996.0		0.52	3,216.7	1.56
83L6NQ	72.5		0.40	1,023.5		0.22	310.3		1.23	3,159.4	0.56
9WD468				681.7		0.60	211.3		0.19	2,479.7	0.50
T39VT6				747.2		1.89	301.9		1.48		

NO3 - N Oth. (SubTestCode 204)										Data units: mg/kg
	SRB2009			SRB2010			SRB2011			SRB2012
Grand Median	432.9			885.3			306.1			3,159.4
Median Abs Dev										
Avg Within Lab SD	15.3			27.7			26.0			144.4
Labs Included	2			4			4			3
Labs Reporting	2			4			4			3



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NH4-N (SubTestCode 205)										Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
NB3ATU				441.6		0.03	103.7		0.10	9.2	0.00
T39VT6				613.1		1.73	223.5		1.72	2,907.7	1.73
ZDQKVH	23.7		1.00	419.0		0.08	43.0		0.17	14.7	0.01
NH4-N (SubTestCode 205)										Data units: mg/kg	
	SRB2009			SRB2010			SRB2011			SRB2012	
Grand Median	23.7			441.6			103.7			14.7	
Median Abs Dev											
Avg Within Lab SD	4.2			273.0			21.1			147.4	
Labs Included	1			3			3			3	
Labs Reporting	1			3			3			3	



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PO4 - P (SubTestCode 206)													Data units: mg/kg
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6UY9BD	238.3	-0.57	0.51	2,330.0	1.12	0.17	928.7	0.57	0.25	587.0	0.18	0.74	
74JYAB	206.7	-0.93	1.53	2,030.0	-0.72	2.07	766.7	-0.71	0.07	493.3	-1.02	1.11	
ADGXB8	357.0	0.78	2.70	2,291.4	0.89	1.45	956.8	0.79	1.04	653.2	1.03	2.32	
AM33J8	292.7	0.05	0.39	2,260.7	0.70	1.33	1,027.0	1.34	2.88	567.0	-0.08	0.80	
FB8284	470.9	2.07	0.64	2,099.0	-0.30	1.02	1,032.4	1.39	1.22	662.7	1.15	1.40	
K4CPX4	358.3	0.79	0.33	2,147.3	0.00	0.27	857.0	0.00	0.22	579.0	0.08	0.13	
M3AH8V	288.0	0.00	0.50	2,078.7	-0.42	0.38	735.7	-0.96	0.08	519.7	-0.69	0.29	
R27F9T	205.7	-0.94	0.40	2,020.3	-0.78	0.34	793.3	-0.50	0.06	478.7	-1.21	0.15	
RF4PP8	220.5	-0.77	0.17	2,201.2	0.33	0.97	814.6	-0.34	0.13	3,569.6	38.52X	15.47	
WKGY8R	288.4	0.00	0.00	1,943.3	-1.25	0.44	779.4	-0.61	0.07	508.1	-0.83	0.17	
ZDQKVH	334.3	0.52	0.12	2,295.7	0.91	0.55	883.3	0.21	0.15	609.7	0.47	0.35	

PO4 - P (SubTestCode 206)					Data units: mg/kg
	SRB2009	SRB2010	SRB2011	SRB2012	
Grand Median	288.4	2,147.3	857.0	573.0	
Median Abs Dev	67.9	117.3	77.6	59.1	
Avg Within Lab SD	33.0	58.6	88.0	34.1	
Labs Included	11	11	11	10	
Labs Reporting	11	11	11	11	



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SO4 - S (SubTestCode 207)										Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
M9G9A2	417.8		1.86	954.3		0.79	805.0		0.22	138.1	0.00
RF4PP8	333.0		0.32	946.4		1.43	1,178.7		0.09	3,602.6	2.00
WKGY8R	250.6		0.59	837.7		0.84	899.5		1.98	89.3	0.00
ZDQKVH	346.3		0.28	1,064.7		0.79	877.0		0.20	126.0	0.00
SO4 - S (SubTestCode 207)										Data units: mg/kg	
	SRB2009			SRB2010			SRB2011			SRB2012	
Grand Median	339.7			950.4			888.3			132.0	
Median Abs Dev											
Avg Within Lab SD	10.1			18.8			86.3			2,766.3	
Labs Included	4			4			4			4	
Labs Reporting	4			4			4			4	



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CI (SubTestCode 208)												Data units: Percent		
WebCode	SRB2009			SRB2010			SRB2011			SRB2012				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3TU2TU	0.04	-0.32	0.19	0.63	-0.22	0.03	0.09	-0.41	0.09	1.45	-0.25	0.01		
6QYWED				0.61	-0.55	0.11				1.47	-0.06	0.00		
6UY9BD	0.16	1.29	2.72	0.80	2.51	0.29	0.39	2.24	0.58	1.71	2.07	0.02		
83L6NQ	0.05	-0.12	0.12	0.69	0.70	0.73	0.15	0.10	0.13	1.65	1.52	0.07		
9WD468	0.07	0.09	0.30	0.63	-0.22	0.29	0.12	-0.18	0.29	1.47	-0.03	0.01		
AM33J8	0.13	0.95	0.30	0.66	0.28	2.07	0.27	1.19	0.29	1.63	1.33	0.11		
D8YY6H	0.07	0.08	0.05	0.65	0.09	0.47	0.15	0.15	0.14	1.45	-0.20	0.04		
GDUZX8	0.23	2.16	0.92	0.67	0.42	0.93	0.24	0.92	0.89	1.51	0.30	0.03		
K4CPX4	0.05	-0.08	0.79	0.63	-0.22	2.45	0.13	-0.09	0.77	1.48	0.00	0.03		
NB3ATU	0.03	-0.45	0.10	0.62	-0.42	0.09	0.09	-0.39	0.02	1.48	0.02	0.02		
P4J7LR	0.22	2.11	0.66	0.66	0.24	0.43	0.36	1.96	0.25	0.73	-6.62X	0.01		
R27F9T				0.54	-1.73	0.57	0.06	-0.68	0.00	1.33	-1.30	0.04		
RF4PP8	0.04	-0.24	1.54	0.59	-0.90	1.50	0.10	-0.29	0.46	1.37	-0.98	3.74		
WKGY8R	0.63	7.31X	0.00	0.74	1.63	0.21	0.15	0.09	0.13	1.63	1.38	0.01		
ZDQKVH	0.04	-0.21	0.30	0.65	0.00	0.29	0.05	-0.75	3.43	1.48	0.00	0.03		

CI (SubTestCode 208)					Data units: Percent			
	SRB2009		SRB2010		SRB2011		SRB2012	
Grand Median	0.060		0.65		0.14		1.48	
Median Abs Dev	0.022		0.02		0.05		0.03	
Avg Within Lab SD	0.019		0.02		0.02		0.61	
Labs Included	12		15		14		14	
Labs Reporting	13		15		14		15	



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TKN (SubTestCode 209)												Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6UY9BD	1.24	0.62	0.92	2.84	2.49	1.44	0.83	-11.77X	1.47	0.41	-0.47	1.39	
7G8X2D	1.23	0.40	0.57	2.30	0.02	0.61	2.25	0.63	0.20	0.46	-0.06	0.15	
8EWH6Q	1.20	-0.09	0.16	2.24	-0.24	0.02	2.18	0.00	0.09	0.38	-0.78	0.23	
9QK6NQ	1.20	-0.09	1.59	2.17	-0.59	0.50	2.17	-0.10	0.58	0.33	-1.23	1.49	
HHZTR4	1.21	0.09	1.92	2.48	0.85	2.15	2.34	1.40	2.36	0.56	0.95	1.45	
NB3ATU	1.32	1.80	0.25	2.51	0.96	0.19	2.42	2.15	0.04	0.50	0.31	0.41	
NQRGN8	1.14	-1.07	0.55	2.29	-0.02	0.65	2.15	-0.24	1.01	0.47	0.06	0.26	
WKGY8R	1.13	-1.24	0.46	2.25	-0.23	0.49	2.16	-0.20	0.18	0.62	1.53	1.20	

TKN (SubTestCode 209)					Data units: Percent			
	SRB2009		SRB2010		SRB2011		SRB2012	
Grand Median	1.21		2.30		2.18		0.46	
Median Abs Dev	0.03		0.09		0.03		0.07	
Avg Within Lab SD	0.06		0.12		0.10		0.04	
Labs Included	8		8		7		8	
Labs Reporting	8		8		8		8	



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N- Dry Comb. (SubTestCode 210)

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	1.38	1.45	1.22	2.54	0.73	0.42	2.31	0.43	1.19	0.74	0.87	0.62
6ARZUT	1.21	-0.91	0.80	2.37	-0.76	1.17	2.25	-0.28	0.89	0.55	-1.01	0.14
6QYWED	1.26	-0.29	0.58	2.43	-0.27	0.92	2.25	-0.23	0.94	0.67	0.21	1.97
74JYAB	1.14	-1.95	1.47	2.43	-0.27	0.92	2.21	-0.74	0.78	0.45	-2.04	0.72
7JYWFB	1.28	0.10	0.79	2.47	0.15	0.56	2.29	0.16	0.26	0.65	0.00	1.16
83L6NQ	1.30	0.40	0.46	2.54	0.72	0.50	2.36	0.95	0.27	0.60	-0.57	0.11
9WD468	1.16	-1.69	0.38	2.29	-1.49	0.21	2.12	-1.82	0.69			
ADGXB8	1.21	-1.01	0.22	2.36	-0.85	2.20	2.22	-0.66	0.69	0.58	-0.77	0.53
AM33J8	1.24	-0.53	1.00	2.45	-0.06	0.97	2.26	-0.12	0.69	0.65	-0.07	0.75
B6YPLP	1.28	0.00	0.22	2.52	0.55	0.21	2.53	2.95X	5.34	1.15	5.02	0.21
CGPZB9	1.35	1.06	1.00	2.51	0.46	0.21	2.36	0.97	0.26	0.69	0.37	0.95
D8YY6H	1.26	-0.30	0.99	2.40	-0.51	0.55	2.27	0.01	0.91	0.58	-0.73	0.86
FB8284	1.26	-0.29	0.69	2.41	-0.43	0.71	2.26	-0.11	0.38	0.65	-0.02	0.24
G3RFXZ	1.28	0.10	0.22	2.47	0.12	0.73	2.27	0.00	0.52	0.68	0.23	1.36
GDUZX8	1.22	-0.83	0.37	2.35	-1.00	0.86	2.23	-0.55	0.61	0.52	-1.32	0.31
K4CPX4	1.33	0.71	0.37	2.57	1.00	0.28	2.36	0.95	0.54	0.72	0.69	0.24
LM4YVY	1.26	-0.29	0.22	2.42	-0.37	0.42	2.25	-0.23	0.26	0.64	-0.13	0.36
LXP34X	1.31	0.53	0.22	2.55	0.82	0.21	2.34	0.74	0.26	0.70	0.50	0.55
M9G9A2	1.28	-0.02	0.96	2.48	0.25	0.75	2.28	0.02	0.40	0.73	0.80	0.79
MDDWQ9	1.33	0.72	0.95	2.54	0.76	0.63	2.34	0.78	0.45	0.65	-0.07	0.21
MJXRUX	1.34	0.97	1.22	2.51	0.46	1.11	2.34	0.81	0.94	0.67	0.17	0.72
NB3ATU	1.33	0.72	0.61	2.57	1.06	0.34	2.43	1.83	0.43	0.66	0.04	0.51
NUEY7R	1.20	-1.06	1.91	2.24	-2.01	1.46	2.14	-1.59	3.44	0.53	-1.20	1.18
P4J7LR	1.28	0.10	0.58	2.45	-0.09	0.56	2.26	-0.16	0.45	0.68	0.24	0.42
R27F9T	1.28	0.00	0.22	2.46	0.06	0.42	2.33	0.70	0.69	0.64	-0.13	0.36
RF4PP8	1.30	0.30	0.34	2.39	-0.61	1.64	2.22	-0.62	0.88	4.67	40.33X	78.82



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N- Dry Comb. (SubTestCode 210)												Data units: Percent		
WebCode	SRB2009			SRB2010			SRB2011			SRB2012				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
T39VT6	1.21	-0.91	0.19	2.38	-0.68	0.27	2.23	-0.47	0.65	0.55	-1.00	0.12		
UZ3RHT	1.34	0.90	0.37	2.65	1.79	0.77	2.45	2.04	0.40	0.69	0.32	1.08		
VLHAPP	1.38	1.43	1.67	2.57	1.00	0.80	2.41	1.64	1.50	0.66	0.03	0.65		
WGX44Z	1.36	1.21	0.38	2.63	1.58	0.36	2.31	0.43	0.45	1.58	9.30X	0.36		
WKGY8R	1.36	1.22	0.58	2.58	1.13	0.16	2.39	1.30	0.09	0.71	0.57	0.15		
XTAQRQ	1.25	-0.43	0.22	2.42	-0.33	0.00	2.21	-0.74	0.00	0.58	-0.74	0.00		
YZ8JZK	1.26	-0.29	1.53	2.45	-0.06	2.28	2.27	-0.08	0.94	0.70	0.50	0.55		
ZDQKVH	1.26	-0.24	3.28	2.40	-0.49	2.76	2.26	-0.12	2.64	0.60	-0.57	3.85		

N- Dry Comb. (SubTestCode 210)					Data units: Percent			
	SRB2009		SRB2010		SRB2011		SRB2012	
Grand Median	1.28		2.46		2.27		0.65	
Median Abs Dev	0.04		0.06		0.05		0.05	
Avg Within Lab SD	0.03		0.03		0.02		0.03	
Labs Included	34		34		33		31	
Labs Reporting	34		34		34		33	



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S- Dry Comb. (SubTestCode 211)										Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
B6YPLP	0.12		1.00	0.32		1.41	0.19		1.39		
R27F9T	0.12		1.00	0.24		0.00	0.23		0.27	0.03	1.00
S- Dry Comb. (SubTestCode 211)										Data units: Percent	
	SRB2009			SRB2010			SRB2011			SRB2012	
Grand Median	0.12			0.28			0.21			0.028	
Median Abs Dev											
Avg Within Lab SD	0.01			0.01			0.02			0.003	
Labs Included	2			2			2			1	
Labs Reporting	2			2			2			1	



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P (SubTestCode 212) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	0.09	-0.29	0.93	0.36	0.24	1.28	0.14	-0.28	0.00	0.07	-0.69	0.00
6ARZUT	0.09	0.18	0.23	0.35	-0.06	0.48	0.14	-0.08	0.15	0.07	0.00	0.19
6MGYKV	0.36	28.20X	0.83	0.09	-8.91X	0.14	0.15	0.71	0.25	0.08	0.42	0.23
6QYWED	0.09	0.19	0.37	0.35	-0.27	0.07	0.14	-0.05	0.25	0.07	-0.26	0.18
6UY9BD	0.08	-1.16	0.46	0.32	-1.11	1.48	0.15	0.65	3.98	0.08	0.26	3.85
7G8X2D	0.09	-0.40	0.61	0.34	-0.44	0.74	0.13	-0.74	1.51	0.07	-0.36	0.46
7JYWFB	0.07	-1.67	0.93	0.30	-1.67	1.13	0.11	-2.12	0.57	0.06	-1.64	1.07
83L6NQ	0.09	0.12	0.20	0.36	0.33	0.09	0.15	0.69	0.11	0.07	-0.05	0.17
8EWH6Q	0.09	0.43	2.51	0.38	1.00	0.40	0.17	1.48	1.43	0.07	-0.14	0.39
9WD468	0.10	1.09	0.00	0.39	1.36	0.43	0.16	1.11	0.00	0.08	0.73	0.00
ADGXB8	0.08	-1.43	0.65	0.33	-0.77	0.74	0.13	-1.20	0.57	0.07	-1.35	0.46
AM33J8	0.09	-0.19	0.65	0.35	-0.03	0.66	0.14	-0.41	1.29	0.08	0.21	1.08
CGPZB9	0.10	0.74	0.93	0.37	0.46	0.43	0.15	0.41	0.00	0.08	1.20	1.07
D8YY6H	0.08	-0.76	0.07	0.34	-0.53	0.27	0.13	-0.96	0.14	0.07	-0.77	0.18
G3RFXZ	0.08	-1.16	0.09	0.33	-0.86	0.23	0.13	-0.83	0.10	0.07	-0.93	0.28
GDUZX8	0.08	-0.96	0.01	0.31	-1.30	1.78	0.13	-0.64	0.29	0.07	-0.76	0.48
GJGQK3	0.09	-0.10	0.74	0.36	0.07	0.22	0.16	0.92	0.28	0.08	0.43	0.21
HHZTR4	0.09	-0.05	1.43	0.37	0.40	2.70	0.14	0.00	1.42	0.08	0.44	1.44
K4CPX4	0.09	0.05	0.16	0.36	0.37	0.30	0.15	0.23	0.37	0.08	0.59	0.18
KEFN7D	0.10	1.25	0.27	0.40	1.54	0.93	0.18	2.40	0.15	0.09	1.59	0.29
LM4YVY	0.10	1.38	3.73	0.33	-0.76	0.80	0.14	-0.57	1.30	0.07	-0.17	1.10
M3AH8V	0.09	0.22	0.49	0.38	1.02	0.43	0.15	0.51	0.15	0.09	1.44	0.74
MDDWQ9	0.58	51.30X	40.99	0.35	0.00	2.05	0.14	-0.20	0.64	0.27	28.15X	68.77
MJXRUX	0.09	-0.29	0.93	0.34	-0.44	0.74	0.14	-0.05	0.57	0.07	-0.22	1.07
NB3ATU	0.10	0.76	0.09	0.39	1.31	0.18	0.16	1.16	0.10	0.08	0.98	0.14
NQRGN8	0.09	0.05	0.00	0.31	-1.45	0.74	0.15	0.65	2.28	0.09	1.67	1.07



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P (SubTestCode 212) in the Wet Digestion Property Groups													Data units: Percent
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NUEY7R	0.07	-1.64	2.41	0.39	1.19	1.11	0.14	-0.37	1.27	0.08	0.21	1.41	
P4J7LR	0.09	-0.36	0.43	0.34	-0.29	0.26	0.14	0.00	0.26	0.07	-0.41	0.37	
PDLNWV	0.09	0.25	0.06	0.37	0.44	0.19	0.15	0.47	0.09	0.08	0.65	0.17	
RF4PP8	0.08	-0.60	0.30	0.36	0.13	0.62	0.15	0.18	0.38	0.43	49.87X	49.49	
T39VT6	0.10	0.81	0.80	0.37	0.74	1.54	0.16	1.11	1.01	0.08	0.45	1.18	
VLHAPP	0.10	0.67	0.16	0.36	0.15	0.37	0.15	0.60	0.40	0.08	0.44	0.32	
WGX44Z	0.09	-0.16	0.16	0.35	-0.21	0.28	0.14	-0.05	0.21	0.07	-0.26	0.18	
WKGY8R	0.09	-0.27	0.10	0.36	0.13	0.27	0.15	0.30	0.00	0.07	-0.34	0.11	
XTAQRQ	0.07	-2.02	0.00	0.31	-1.33	0.85	0.13	-0.97	0.00	0.23	22.48X	55.47	
YZ8JZK	0.09	0.05	0.00	0.35	-0.10	0.74	0.14	-0.28	0.99	0.07	-0.69	0.00	
ZDQKVH	0.09	0.05	0.00	0.34	-0.44	0.74	0.13	-0.97	0.00	0.07	-1.16	1.07	
ZWGWJG	0.11	2.47	0.93	0.41	2.03	2.38	0.16	1.34	1.14	0.09	1.67	2.13	

P (SubTestCode 212) in the Wet Digestion Property Groups					Data units: Percent
	SRB2009	SRB2010	SRB2011	SRB2012	
Grand Median	0.090	0.35	0.14	0.075	
Median Abs Dev	0.004	0.01	0.01	0.003	
Avg Within Lab SD	0.006	0.01	0.01	0.005	
Labs Included	36	37	38	35	
Labs Reporting	38	38	38	38	



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K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	0.64	0.37	0.13	2.09	0.31	0.23	1.30	0.63	0.32	3.25	-0.08	0.06
6ARZUT	0.61	-0.23	0.14	2.17	0.68	0.78	1.12	-1.10	0.73	3.51	0.58	0.04
6MGYKV	2.01	21.95X	0.34	0.59	-6.71X	0.09	1.24	0.06	0.28	3.35	0.17	0.05
6QYWED	0.65	0.54	0.34	2.01	-0.08	0.00	1.26	0.28	0.47	3.14	-0.34	0.10
6UY9BD	0.60	-0.37	0.52	1.89	-0.64	1.15	1.28	0.44	3.53	3.06	-0.55	0.12
7G8X2D	0.62	0.00	0.90	1.97	-0.28	0.63	1.20	-0.31	1.62	3.20	-0.20	0.14
7JYWFB	0.61	-0.21	0.13	2.00	-0.11	1.11	1.17	-0.57	0.50	3.31	0.08	0.12
83L6NQ	0.61	-0.23	0.10	2.13	0.46	0.02	1.21	-0.27	0.11	3.35	0.17	0.05
8EWH6Q	0.51	-1.71	0.12	1.81	-1.00	0.29	1.10	-1.26	0.24	2.78	-1.26	0.16
9WD468	0.59	-0.47	0.22	1.91	-0.54	0.11	1.17	-0.57	0.09	3.21	-0.17	0.04
ADGXB8	0.63	0.16	1.47	1.94	-0.42	0.69	1.24	0.09	0.83	3.15	-0.33	0.12
AM33J8	0.63	0.11	0.23	2.12	0.45	0.74	1.23	-0.06	0.52	3.50	0.55	0.20
CGPZB9	0.62	0.05	0.26	2.03	0.00	0.13	1.35	1.13	0.19	3.50	0.55	0.19
D8YY6H	0.62	-0.01	0.19	2.05	0.11	0.07	1.19	-0.38	0.22	3.32	0.11	0.10
FB8284	0.77	2.32	3.75	2.23	0.97	0.43	1.45	2.09	2.66	3.31	0.07	0.33
G3RFXZ	0.56	-0.95	0.22	1.94	-0.39	0.41	1.14	-0.91	0.37	3.03	-0.62	0.05
GDUZX8	0.57	-0.82	0.55	1.92	-0.51	1.57	1.15	-0.80	0.12	2.94	-0.85	0.15
GJGQK3	0.61	-0.24	0.04	1.98	-0.23	0.17	1.23	0.00	0.19	3.32	0.10	0.07
HHZTR4	0.66	0.63	1.48	2.05	0.10	2.22	1.35	1.05	2.18	3.29	0.02	0.47
K4CPX4	0.59	-0.54	0.08	2.00	-0.12	0.65	1.17	-0.58	0.22	3.04	-0.61	0.06
KEFN7D	0.64	0.34	0.23	2.10	0.36	0.31	1.34	0.98	0.19	3.57	0.73	0.08
LM4YVY	0.63	0.11	1.50	1.84	-0.89	0.65	1.15	-0.83	1.06	2.89	-0.99	0.28
M3AH8V	0.59	-0.47	0.22	2.01	-0.06	0.71	1.21	-0.19	0.25	3.27	-0.02	0.06
MDDWQ9	0.01	-9.72X	0.01	0.03	-9.32X	0.02	0.02	-11.48X	0.03	0.00	-8.29X	0.00
MJXRUX	0.64	0.32	0.45	2.01	-0.09	0.35	1.20	-0.31	0.16	3.08	-0.51	0.07
NB3ATU	0.65	0.45	0.17	2.23	0.93	0.21	1.34	0.96	0.17	3.52	0.62	0.07



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K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
NQRGN8	0.68	1.00	1.31	2.58	2.58	3.80	1.41	1.67	1.75	4.72	3.64	0.23
NUEY7R	0.91	4.52	3.20	2.97	4.38	0.73	1.96	6.85X	2.08	4.68	3.54	0.89
P4J7LR	0.64	0.28	0.39	2.10	0.34	0.33	1.26	0.22	0.25	3.24	-0.09	0.01
PDLNWV	0.67	0.72	0.19	2.21	0.84	0.10	1.33	0.87	0.24	3.71	1.09	0.15
RF4PP8	0.60	-0.29	0.46	1.88	-0.68	0.38	1.26	0.23	0.28	3.82	1.37	6.02
T39VT6	0.67	0.75	0.77	2.21	0.83	1.45	1.32	0.81	1.02	3.56	0.70	0.26
VLHAPP	0.65	0.51	0.14	2.15	0.58	0.14	1.29	0.55	0.14	3.67	0.99	0.11
WGX44Z	0.57	-0.72	0.03	2.26	1.10	0.60	1.16	-0.74	0.01	3.21	-0.18	0.01
WKGY8R	0.60	-0.28	0.01	2.05	0.09	0.18	1.25	0.15	0.09	3.13	-0.39	0.05
XTAQRQ	0.54	-1.21	0.34	1.79	-1.10	0.22	1.12	-1.07	0.16	2.88	-1.02	0.06
YZ8JZK	0.58	-0.69	0.91	1.96	-0.33	0.41	1.16	-0.66	0.77	3.11	-0.42	0.05
ZDQKVH	0.59	-0.47	0.22	1.92	-0.51	0.64	1.21	-0.19	0.57	2.88	-1.00	0.03
ZWGWJG	0.74	1.85	0.47	2.42	1.84	2.14	1.44	1.95	0.97	3.65	0.93	0.44

K (SubTestCode 213) in the Wet Digestion Property Groups

Data units: Percent

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	0.62	2.03	1.23	3.28
Median Abs Dev	0.03	0.10	0.06	0.22
Avg Within Lab SD	0.04	0.09	0.06	0.70
Labs Included	37	37	37	38
Labs Reporting	39	39	39	39



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Ca (SubTestCode 214) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	1.99	0.28	0.16	0.39	-0.24	0.10	3.96	0.13	0.16	0.10	-0.69	0.48
6ARZUT	1.98	0.26	1.35	0.39	-0.24	0.13	4.08	0.47	0.32	0.11	-0.40	0.20
6MGYKV	0.40	-8.94X	0.10	1.85	26.27X	0.19	3.88	-0.11	0.43	0.12	-0.28	0.17
6QYWED	2.02	0.50	0.31	0.39	-0.24	0.02	3.93	0.04	0.83	0.13	0.07	0.17
6UY9BD	1.77	-0.99	1.01	0.53	2.42	3.95	3.71	-0.58	0.90	0.20	1.95	3.77
7G8X2D	1.87	-0.41	1.56	0.39	-0.12	0.25	3.73	-0.52	0.45	0.12	-0.15	0.48
7JYWFB	1.90	-0.20	0.64	0.40	0.00	0.17	3.62	-0.85	0.71	0.15	0.58	0.82
83L6NQ	1.98	0.24	0.47	0.39	-0.20	0.07	4.37	1.28	0.38	0.12	-0.24	0.19
8EWH6Q	2.33	2.27	0.73	0.40	0.02	0.02	4.76	2.39	1.18	0.11	-0.54	0.24
9WD468	1.67	-1.56	0.23	0.34	-1.09	0.00	3.42	-1.41	0.05	0.11	-0.51	0.00
ADGXB8	1.83	-0.63	1.99	0.39	-0.18	0.17	3.75	-0.46	1.45	0.13	0.04	0.82
AM33J8	2.01	0.44	0.67	0.41	0.25	0.25	4.04	0.35	0.86	0.14	0.21	0.66
CGPZB9	1.95	0.05	0.08	0.41	0.18	0.17	4.04	0.34	1.14	0.13	-0.05	0.48
D8YY6H	2.01	0.41	0.27	0.45	0.88	0.18	3.93	0.04	0.45	0.17	1.05	0.41
FB8284	2.17	1.32	2.25	0.52	2.25	4.35	4.30	1.08	0.98	0.36	6.46X	38.45
GDUZX8	1.80	-0.78	0.31	0.47	1.21	0.39	3.60	-0.88	0.62	0.22	2.49	1.58
GJGQK3	1.87	-0.39	0.36	0.40	-0.02	0.10	3.98	0.18	0.54	0.12	-0.26	0.22
HHZTR4	1.95	0.09	2.64	0.40	0.00	0.66	3.89	-0.09	3.03	0.13	0.06	1.08
K4CPX4	2.00	0.34	0.51	0.42	0.31	0.12	4.08	0.45	0.41	0.12	-0.23	0.13
KEFN7D	1.92	-0.10	0.14	0.38	-0.41	0.08	4.00	0.23	0.78	0.12	-0.26	0.05
LM4YVY	1.85	-0.52	1.79	0.39	-0.26	0.15	3.64	-0.79	0.78	0.15	0.65	1.23
M3AH8V	1.93	-0.03	1.01	0.42	0.30	0.10	3.92	0.00	1.07	0.14	0.40	0.48
MDDWQ9	1.86	-0.46	1.22	0.38	-0.28	0.48	3.84	-0.22	1.81	0.09	-1.08	1.06
MJXRUX	1.96	0.13	1.08	0.46	1.09	0.29	3.86	-0.17	0.71	0.23	2.77	1.65
NB3ATU	2.03	0.52	0.15	0.42	0.41	0.06	4.20	0.80	0.19	0.13	-0.04	0.13
NQRGN8	1.69	-1.42	1.23	0.44	0.67	0.58	3.12	-2.26	1.07	0.28	4.05	2.07



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Ca (SubTestCode 214) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NUEY7R	2.82	5.10X	1.54	0.56	2.82	0.51	6.11	6.21X	3.01	0.18	1.34	1.94	
P4J7LR	1.94	0.00	0.44	0.33	-1.32	0.03	3.88	-0.09	0.27	0.13	0.11	0.13	
PDLN WV	2.52	3.37	0.09	0.53	2.27	0.03	5.06	3.24	0.33	0.16	0.86	0.19	
RF4PP8	1.84	-0.58	0.65	0.39	-0.21	0.13	3.88	-0.12	0.48	2.03	52.06X	74.09	
T39VT6	2.17	1.36	1.33	0.45	0.88	0.46	4.33	1.16	1.79	0.15	0.51	0.69	
VLHAPP	2.09	0.89	0.37	0.40	-0.07	0.19	4.11	0.55	0.84	0.12	-0.20	0.48	
WG X44Z	1.81	-0.73	0.15	0.35	-0.94	0.02	3.88	-0.10	0.08	0.12	-0.22	0.05	
WKG Y8R	1.94	0.00	0.05	0.40	0.08	0.03	4.30	1.07	0.34	0.12	-0.32	0.30	
XTAQRQ	1.61	-1.91	0.89	0.31	-1.69	0.34	3.40	-1.46	0.78	0.10	-0.88	0.48	
YZ8JZK	1.89	-0.28	0.49	0.39	-0.24	0.19	3.67	-0.69	1.21	0.13	0.04	0.00	
ZDQKVH	1.91	-0.16	0.62	0.44	0.79	0.19	3.94	0.06	0.51	0.15	0.68	0.48	
ZWGWJG	2.06	0.69	0.08	0.42	0.36	0.44	3.82	-0.27	1.87	0.13	-0.05	0.48	

Ca (SubTestCode 214) in the Wet Digestion Property Groups					Data units: Percent	
	SRB2009	SRB2010	SRB2011	SRB2012		
Grand Median	1.94	0.40	3.92	0.13		
Median Abs Dev	0.08	0.02	0.16	0.01		
Avg Within Lab SD	0.07	0.06	0.13	0.01		
Labs Included	36	37	37	36		
Labs Reporting	38	38	38	38		



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Mg (SubTestCode 215) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	0.13	-0.15	0.00	0.32	0.29	0.32	0.36	0.00	0.33	0.16	-0.48	0.00
6ARZUT	0.13	-0.23	0.19	0.31	-0.02	0.59	0.36	0.04	0.68	0.17	-0.11	0.21
6MGYKV	0.30	12.57X	0.41	0.13	-6.16X	0.06	0.36	-0.20	0.25	0.17	0.00	0.12
6QYWED	0.14	0.46	0.21	0.32	0.29	0.74	0.37	0.31	0.33	0.17	-0.12	0.31
6UY9BD	0.13	-0.15	0.00	0.30	-0.16	1.39	0.36	0.00	1.85	0.19	1.24	2.40
7G8X2D	0.13	-0.15	0.69	0.30	-0.38	1.15	0.34	-0.62	2.40	0.17	0.03	0.59
7JYWFB	0.13	0.10	0.40	0.29	-0.50	0.84	0.34	-0.83	0.33	0.17	-0.14	0.34
83L6NQ	0.12	-1.20	0.07	0.29	-0.68	0.03	0.33	-0.91	0.12	0.15	-1.05	0.10
8EWH6Q	0.14	0.46	0.27	0.31	0.04	0.11	0.39	0.88	0.23	0.15	-0.76	0.33
9WD468	0.11	-1.43	0.40	0.28	-0.95	0.00	0.31	-1.65	0.00	0.16	-0.65	0.34
ADGXB8	0.12	-0.92	0.69	0.29	-0.61	0.00	0.33	-0.93	0.88	0.15	-1.00	0.59
AM33J8	0.14	0.54	0.18	0.33	0.58	0.58	0.37	0.34	0.59	0.18	0.72	0.59
CGPZB9	0.14	0.87	0.40	0.33	0.86	0.64	0.38	0.41	0.33	0.19	0.89	0.34
D8YY6H	0.14	0.45	0.11	0.32	0.38	0.05	0.35	-0.29	0.29	0.18	0.34	0.09
FB8284	0.11	-1.86	5.42	0.31	0.10	3.99	0.38	0.43	3.02	0.13	-1.96	4.71
GDUZX8	0.13	-0.19	0.01	0.28	-1.03	0.97	0.33	-0.99	0.28	0.16	-0.44	0.25
GJGQK3	0.13	-0.26	0.24	0.29	-0.52	0.17	0.36	-0.22	0.20	0.16	-0.38	0.21
HHZTR4	0.13	0.00	0.91	0.31	0.00	1.70	0.37	0.11	2.11	0.18	0.55	1.07
K4CPX4	0.13	0.18	0.31	0.33	0.79	0.54	0.39	0.73	0.21	0.18	0.57	0.03
KEFN7D	0.13	0.15	0.18	0.31	-0.03	0.44	0.38	0.57	0.32	0.17	0.27	0.19
LM4YVY	0.13	-0.01	1.23	0.27	-1.20	0.65	0.32	-1.35	1.60	0.15	-0.97	0.77
M3AH8V	0.12	-0.92	0.69	0.30	-0.27	0.55	0.35	-0.41	0.58	0.16	-0.48	0.59
MDDWQ9	0.13	0.02	0.77	0.33	0.82	0.18	0.38	0.47	1.28	0.16	-0.23	0.55
MJXRUX	0.14	0.36	0.40	0.30	-0.16	0.32	0.35	-0.41	0.58	0.17	-0.14	0.34
NB3ATU	0.14	0.26	0.04	0.33	0.68	0.18	0.38	0.52	0.12	0.18	0.54	0.10
NQRGN8	0.13	-0.41	0.80	0.30	-0.27	1.66	0.33	-1.03	0.58	0.17	0.21	0.34



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Mg (SubTestCode 215) in the Wet Digestion Property Groups													Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
NUYE7R	0.16	2.20	0.82	0.40	2.97	1.73	0.54	5.33X	1.41	0.22	2.49	1.49		
P4J7LR	0.13	-0.51	0.21	0.33	0.61	0.06	0.36	-0.16	0.24	0.16	-0.41	0.09		
PDLNWV	0.16	2.16	0.08	0.39	2.77	0.11	0.44	2.52	0.11	0.22	2.41	0.12		
RF4PP8	0.13	-0.40	0.27	0.30	-0.27	0.32	0.37	0.24	0.30	0.54	19.01X	5.94		
T39VT6	0.15	1.56	0.59	0.36	1.69	1.33	0.41	1.37	1.29	0.19	1.23	0.66		
VLHAPP	0.15	1.13	0.04	0.32	0.34	0.36	0.38	0.52	0.30	0.18	0.48	0.15		
WGX44Z	0.12	-0.76	0.06	0.30	-0.11	0.04	0.33	-1.03	0.00	0.17	-0.22	0.06		
WKGY8R	0.14	0.73	0.04	0.34	0.92	0.12	0.38	0.52	0.10	0.18	0.56	0.18		
XTAQRQ	0.11	-1.69	0.00	0.25	-1.97	0.55	0.32	-1.45	0.33	0.14	-1.68	0.34		
YZ8JZK	0.13	-0.15	0.00	0.30	-0.38	0.32	0.33	-1.03	0.58	0.17	0.03	0.00		
ZDQKVH	0.14	0.61	0.00	0.33	0.63	0.64	0.37	0.21	1.15	0.18	0.38	0.34		
ZWGWJG	0.15	1.31	0.66	0.33	0.68	1.25	0.40	1.25	1.68	0.18	0.79	1.27		

Mg (SubTestCode 215) in the Wet Digestion Property Groups					Data units: Percent	
	SRB2009	SRB2010	SRB2011	SRB2012		
Grand Median	0.13	0.31	0.36	0.17		
Median Abs Dev	0.01	0.02	0.02	0.01		
Avg Within Lab SD	0.01	0.02	0.02	0.02		
Labs Included	37	37	37	37		
Labs Reporting	38	38	38	38		



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S (SubTestCode 216) in the Wet Digestion Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	0.12	-0.17	0.00	0.20	-1.15	0.41	0.21	-0.14	0.00	0.02	-1.33	1.24
6ARZUT	0.12	0.00	0.20	0.24	0.34	0.52	0.22	0.28	0.33	0.03	-0.27	0.07
6QYWED	0.13	0.09	0.07	0.23	0.01	0.18	0.22	0.18	0.31	0.03	-0.03	0.25
6UY9BD	0.12	0.01	1.13	0.22	-0.57	1.46	0.21	-0.25	2.23	0.05	4.13	4.29
74JYAB	0.10	-1.05	0.43	0.20	-1.43	0.41	0.22	0.28	0.45	0.03	0.03	0.00
7G8X2D	0.12	0.01	0.43	0.25	1.00	3.46	0.20	-0.35	1.18	0.03	-0.17	0.37
7JYWFB	0.09	-1.92	0.43	0.18	-2.15	0.70	0.16	-1.82	0.45	0.02	-2.01	0.00
83L6NQ	0.11	-0.72	0.11	0.21	-0.75	0.24	0.20	-0.38	0.16	0.03	-0.80	0.08
8EWH6Q	0.11	-0.82	0.45	0.24	0.28	0.24	0.19	-0.68	1.31	0.03	0.26	0.72
9WD468	0.14	0.88	0.00	0.23	0.14	0.41	0.25	1.11		0.03	0.03	0.00
ADGXB8	0.08	-2.45	4.27	0.20	-1.43	0.81	0.18	-1.08	0.77	0.03	-0.24	0.87
AM33J8	0.14	0.79	0.35	0.23	-0.16	0.91	0.25	1.25	1.55	0.03	0.03	0.43
CGPZB9	0.15	1.23	0.43	0.24	0.43	0.70	0.27	1.64	0.45	0.03	0.03	0.00
D8YY6H	0.12	-0.41	0.02	0.22	-0.53	0.13	0.20	-0.33	0.29	0.03	-0.79	0.07
FB8284	0.17	2.22	2.11	0.28	2.33	0.41	0.26	1.57	0.62	0.04	2.89	2.06
GDUZX8	0.11	-0.93	0.26	0.21	-1.06	0.96	0.19	-0.84	0.07	0.03	-0.42	0.11
GJGQK3	0.13	0.09	0.13	0.24	0.36	0.23	0.24	0.82	0.36	0.03	-0.38	0.00
HHZTR4	0.12	-0.06	0.90	0.23	0.00	1.62	0.22	0.02	1.66	0.03	0.03	0.64
K4CPX4	0.12	-0.12	0.13	0.25	0.79	0.89	0.21	-0.24	0.88	0.03	0.03	0.74
LM4YVY	0.13	0.31	2.19	0.20	-1.13	0.98	0.19	-0.66	1.35	0.03	-0.74	0.18
M3AH8V	0.12	-0.34	0.43	0.22	-0.57	0.41	0.21	-0.04	0.45	0.03	-0.31	0.81
MDDWQ9	0.15	1.65	0.10	0.23	0.14	0.96	0.26	1.48	1.50	0.03	0.24	0.21
MJXRUX	0.12	-0.34	0.43	0.22	-0.29	0.41	0.21	-0.14	0.77	0.03	0.03	0.00
NB3ATU	0.13	0.42	0.15	0.26	1.19	0.16	0.24	0.74	0.09	0.03	0.50	0.18
NQRGN8	0.14	0.88	1.96	0.27	1.58	2.47	0.20	-0.46	2.31	0.04	2.08	2.14
NUEY7R	0.09	-1.71	0.49	0.23	0.04	1.47	0.17	-1.25	2.41	0.02	-1.26	1.29



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S (SubTestCode 216) in the Wet Digestion Property Groups Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
P4J7LR	0.12	-0.33	0.15	0.23	-0.22	0.31	0.21	-0.02	0.31	0.03	-0.38	0.57
PDLNWV	0.13	0.50	0.05	0.20	-1.20	0.09	0.24	0.93	0.05	0.03	-0.47	0.09
RF4PP8	0.16	1.75	0.17	0.24	0.31	0.44	0.30	2.82	0.56	0.60	115.93X	123.58
T39VT6	0.13	0.21	0.44	0.24	0.29	0.53	0.22	0.28	0.75	0.03	-0.10	0.25
VLHAPP	0.14	1.11	0.23	0.23	0.11	0.45	0.25	1.09	1.08	0.03	0.38	0.45
WGX44Z	0.12	-0.27	0.07	0.23	-0.06	0.04	0.21	-0.05	0.08	0.03	0.44	0.21
WKG8R	0.12	-0.27	0.04	0.23	-0.06	0.14	0.22	0.16	0.05	0.03	-0.63	0.00
XTAQRQ	0.12	0.01	1.13	0.19	-1.58	1.07	0.22	0.17	0.77	0.02	-2.01	0.00
YZ8JZK	0.12	-0.17	0.00	0.24	0.43	0.70	0.22	0.17	0.00	0.03	0.03	0.00
ZDQKVH	0.12	-0.17	0.00	0.23	0.00	0.70	0.20	-0.56	0.45	0.03	0.03	0.00
ZWGWJG	0.13	0.53	0.43	0.25	0.86	1.22	0.02	-6.06X	0.16	0.03	0.72	1.24

S (SubTestCode 216) in the Wet Digestion Property Groups Data units: Percent

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	0.12	0.23	0.21	0.030
Median Abs Dev	0.01	0.01	0.01	0.002
Avg Within Lab SD	0.01	0.01	0.01	0.005
Labs Included	37	37	36	36
Labs Reporting	37	37	37	37



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Na (SubTestCode 217) in the Wet Digestion Property Groups												Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	0.007	0.00	0.40	0.034	-0.05	0.31	0.016	-0.27	0.36	0.001	-0.28	0.00	
6ARZUT	0.007	-0.04	0.13	0.031	-0.59	0.30	0.015	-0.67	0.07				
6MGYKV	0.033	8.02X	0.05	0.007	-6.03X	0.14	0.016	-0.10	0.40	0.002	-0.09	0.81	
6QYWED				0.040	1.29	2.04	0.023	2.32	0.00				
6UY9BD	0.023	5.03	2.29	0.040	1.36	0.00	0.023	2.44	3.61	0.010	2.67	0.00	
7JYWFB	0.013	1.95	2.29	0.040	1.36	0.00	0.020	1.26	0.00	0.010	2.67	0.00	
83L6NQ	0.009	0.72	0.17	0.035	0.25	0.17	0.017	0.17	0.18	0.003	0.24	0.20	
8EWH6Q	0.005	-0.73	0.16	0.024	-2.15	0.88	0.014	-0.89	0.93	0.004	0.70	0.26	
9WD468	0.006	-0.41	0.23	0.031	-0.57	0.31	0.011	-1.92	0.00	0.003	0.27	3.25	
AM33J8	0.007	0.10	0.83	0.034	0.02	0.93	0.016	-0.15	1.08	0.002	0.05		
FB8284	0.074	20.73X	44.03	0.051	3.71X	7.74	0.029	4.60X	9.64	0.014	3.95X	34.39	
GJGQK3	0.007	-0.14	0.08	0.032	-0.33	0.14	0.016	-0.29	0.06				
K4CPX4	0.004	-0.92	0.40	0.029	-1.02	2.71	0.036	6.80X	3.67	0.001	-0.17	1.23	
KEFN7D	0.006	-0.18	0.18	0.033	-0.22	0.61	0.016	-0.15	0.25				
LM4YVY	0.014	2.24	3.21	0.032	-0.36	2.03	0.017	0.10	2.20	0.002	0.00	1.46	
M3AH8V	0.007	-0.10	0.23	0.032	-0.50	0.31	0.015	-0.62	0.36	0.001	-0.17	1.23	
MDDWQ9	0.006	-0.21	0.23	0.031	-0.57	1.24	0.017	0.20	1.25	0.001	-0.17	1.23	
NB3ATU	0.007	0.05	0.25	0.034	0.03	0.11	0.016	-0.29	0.06	0.001	-0.33	0.03	
NUEY7R	0.011	1.13	0.83	0.041	1.58	0.93	0.021	1.62	0.00	0.004	0.70	0.00	
P4J7LR	0.007	0.00	0.40	0.033	-0.20	0.00	0.016	-0.03	0.36	0.010	2.67	0.00	
PDLNWV	0.007	-0.04	0.06	0.036	0.45	0.19	0.017	0.27	0.09	0.001	-0.23	0.08	
RF4PP8	0.007	-0.10	0.13	0.034	0.00	0.46	0.016	-0.02	0.08	0.207	66.99X	744.58	
T39VT6				0.039	1.16	1.10							
VLHAPP	0.007	0.00	0.00	0.035	0.17	0.31	0.017	0.08	0.36				
WKGY8R	0.007	0.06	0.00	0.035	0.25	0.00	0.016	0.02	0.00	0.001	-0.44	0.00	
ZDQKVH	0.010	0.92	0.00	0.030	-0.87	0.00	0.020	1.26	0.00	0.004	0.70	0.00	



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Na (SubTestCode 217) in the Wet Digestion Property Groups											Data units: Percent		
SRB2009				SRB2010			SRB2011			SRB2012			
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score				
ZGWJG	0.008	0.41	0.23	0.041	1.51	1.73	0.019	1.03	1.30	0.001	-0.28	0.00	

Na (SubTestCode 217) in the Wet Digestion Property Groups					Data units: Percent			
	SRB2009		SRB2010		SRB2011		SRB2012	
Grand Median	0.007		0.034		0.016		0.002	
Median Abs Dev	0.001		0.002		0.001		0.001	
Avg Within Lab SD	0.003		0.002		0.002		0.000	
Labs Included	23		25		24		19	
Labs Reporting	25		27		26		21	



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AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	112.3	-0.58	0.28	103.3	-0.47	0.08	84.7	-0.31	0.76	51.7	-0.76	0.66
6ARZUT	114.9	-0.54	1.07	104.3	-0.45	0.02	74.9	-0.51	0.53	51.5	-0.77	0.09
6MGYKV	157.0	0.19	0.20	233.0	2.09	0.13	186.0	1.75	0.46	89.6	1.18	0.20
6UY9BD	157.7	0.21	1.82	129.3	0.05	1.10	114.0	0.29	2.95	83.0	0.84	1.57
7JYWFB	89.0	-0.98	0.60	99.7	-0.54	0.24	56.7	-0.88	0.47	46.3	-1.04	0.17
83L6NQ	227.2	1.41	0.37	177.1	0.99	0.55	152.9	1.08	0.78	86.4	1.02	0.64
9WD468	198.3	0.91	0.52	131.7	0.09	0.15	146.7	0.95	0.35	82.3	0.81	0.13
FB8284	423.5	4.81X	15.76	230.5	2.04	4.14	248.7	3.03X	5.40	75.8	0.47	3.77
GJGQK3	169.3	0.41	1.32	129.7	0.05	0.12	129.7	0.61	0.79	64.7	-0.10	0.11
KEFN7D	133.3	-0.22	0.51	120.7	-0.13	0.19	97.7	-0.04	0.29	63.5	-0.16	0.12
NB3ATU	140.0	-0.10	0.30	116.9	-0.20	0.09	85.9	-0.28	0.43	63.0	-0.19	0.03
P4J7LR	86.2	-1.03	0.09	95.5	-0.62	0.04	68.9	-0.63	0.25	45.2	-1.10	0.04
PDLNWV	204.4	1.01	0.25	172.0	0.89	0.04	132.6	0.67	1.14	82.5	0.81	0.14
RF4PP8	114.0	-0.55	1.98	76.1	-1.00	0.18	46.3	-1.09	0.17	174.3	5.52X	15.38
T39VT6	151.6	0.10	1.37	127.0	0.00	0.35	101.7	0.04	1.01	65.9	-0.04	0.33
VLHAPP	225.6	1.38	1.84	179.1	1.02	0.20	151.8	1.06	1.38	81.9	0.78	0.48
WKGY8R	217.7	1.24	0.99	174.4	0.93	0.06	151.8	1.06	1.03	80.0	0.69	0.05
XTAQRQ	136.7	-0.16	0.07	108.7	-0.36	0.03	93.7	-0.12	0.09	67.3	0.04	0.13
ZDQKVH	81.3	-1.12	0.57	81.0	-0.91	0.05	61.3	-0.78	1.00	40.0	-1.36	0.08

AI (SubTestCode 218) in the Wet Digestion Property Groups

Data units: mg/kg

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	145.8	127.0	99.7	66.6
Median Abs Dev	32.7	27.4	31.8	15.2
Avg Within Lab SD	8.9	20.9	6.5	12.0
Labs Included	18	19	18	18
Labs Reporting	19	19	19	19



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B (SubTestCode 219) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	14.35	-0.54	0.12	3.23	-1.01	0.02	76.49	0.00	0.28	1.74	-0.50	0.28
6ARZUT	16.73	0.67	0.29	4.84	0.36	0.31	81.67	0.84	1.25	2.67	0.01	0.10
6MGYKV	4.07	-5.76X	0.03	15.43	9.42X	0.06	76.43	0.00	0.27	1.79	-0.47	0.04
6QYWED	17.06	0.84	0.60	5.50	0.93	1.15	81.00	0.73	0.83	2.81	0.09	0.07
6UY9BD	18.30	1.47	3.95	4.83	0.36	0.72	72.50	-0.64	0.32	3.81	0.65	1.07
7G8X2D	12.37	-1.54	0.39	3.34	-0.92	0.14	74.07	-0.39	0.34	1.49	-0.64	0.15
7JYWFB	20.33	2.50	0.81	12.00	6.48X	1.08	69.33	-1.15	0.20	10.67	4.44	0.46
83L6NQ	15.20	-0.10	0.15	4.81	0.34	0.06	73.37	-0.50	0.28	2.78	0.07	0.09
8EWH6Q	11.86	-1.80	0.30	2.94	-1.26	0.57	75.35	-0.18	0.67	0.84	-1.00	0.03
9WD468	14.00	-0.71		4.00	-0.35		69.33	-1.15	0.20	2.00	-0.36	
AM33J8	17.00	0.81	0.70	6.06	1.40	0.43	74.87	-0.26	1.77	4.05	0.77	0.29
CGPZB9	15.05	-0.18	0.64	4.37	-0.04	0.27	78.47	0.32	0.56	1.92	-0.40	0.07
D8YY6H	19.95	2.31	1.75	7.24	2.41	0.21	82.25	0.94	0.35	6.31	2.03	0.52
FB8284	16.44	0.52	1.42	4.16	-0.22	2.46	82.95	1.05	0.29	3.30	0.36	3.43
GDUZX8	14.42	-0.50	1.01	4.18	-0.20	0.34	66.53	-1.61	0.85	2.38	-0.15	0.09
GJGQK3	15.37	-0.02	0.35	4.07	-0.30	0.25	80.77	0.70	1.26	2.33	-0.17	0.28
HHZTR4	15.30	-0.05	1.07	4.55	0.11	0.49	72.95	-0.57	2.54	2.61	-0.02	0.21
K4CPX4	15.86	0.23	0.53	4.66	0.21	0.84	72.84	-0.58	0.05	2.63	-0.01	0.24
KEFN7D	16.13	0.37	0.33	4.32	-0.08	0.17	84.33	1.27	0.69	3.04	0.22	0.32
M3AH8V	15.63	0.12	0.11	6.03	1.38	0.13	74.83	-0.26	0.25	4.83	1.21	0.20
MDDWQ9	25.13	4.94X	9.38	5.97	1.33	4.24	95.62	3.10X	5.22	9.97	4.05	3.43
NB3ATU	15.36	-0.02	0.26	4.41	-0.01	0.28	81.10	0.75	0.29	2.38	-0.15	0.20
NUEY7R	15.40	0.00	0.93	4.43	0.02	0.23	56.10	-3.29X	1.00	2.68	0.02	0.19
P4J7LR	15.41	0.00	0.09	3.69	-0.62	0.20	80.94	0.72	0.32	2.47	-0.10	0.09
PDLNWV	15.97	0.29	0.07	4.11	-0.26	0.24	81.13	0.75	0.09	2.24	-0.23	0.11
RF4PP8	13.99	-0.72	0.26	2.98	-1.22	0.11	82.39	0.96	0.56	41.19	21.33X	7.34



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B (SubTestCode 219) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
T39VT6	18.82	1.73	1.78	5.48	0.91	1.43	87.56	1.79	2.69	3.73	0.60	2.00	
VLHAPP	16.44	0.53	0.26	4.43	0.01	0.51	79.08	0.42	0.23				
WGX44Z	13.10	-1.17	0.07	2.20	-1.89	0.11	75.67	-0.13	0.53	1.30	-0.75	0.08	
WKGY8R	14.59	-0.41	0.15	3.09	-1.13	0.00	79.76	0.53	0.07	1.55	-0.61	0.00	
XTAQRQ	15.67	0.13	0.40	5.08	0.57	0.16	72.33	-0.67	0.40	3.45	0.44	0.08	
YZ8JZK	14.80	-0.31	0.07	4.50	0.07	0.29	72.87	-0.58	0.09	3.37	0.40	0.20	
ZDQKVH	17.00	0.81	0.70	5.33	0.78	0.63	78.00	0.25	1.25	3.00	0.20		
ZWGWJG	15.10	-0.15	0.69	3.40	-0.87	0.39	71.10	-0.87	2.44	1.80	-0.47	0.42	

B (SubTestCode 219) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	
Grand Median	15.4		4.42		76.5	
Median Abs Dev	1.0		0.54		4.0	
Avg Within Lab SD	1.4		0.92		2.9	
Labs Included	32		32		32	
Labs Reporting	34		34		34	



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Zn (SubTestCode 220) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	10.8	-0.23	0.08	24.6	-0.16	0.61	84.3	0.05	0.25	7.7	-0.35	0.23
6ARZUT	10.4	-0.32	0.08	24.0	-0.44	0.49	83.1	-0.11	0.67	7.6	-0.38	0.09
6MGYKV	22.8	3.17	0.05	10.4	-6.13X	0.14	79.9	-0.52	0.06	8.1	-0.24	0.17
6QYWED	14.2	0.75	0.13	27.7	1.11	0.45	87.3	0.44	0.18	10.9	0.71	0.37
6UY9BD	20.8	2.62	0.81	24.6	-0.19	0.99	84.1	0.03	1.68	21.4	4.20	1.54
7G8X2D	12.2	0.18	0.40	25.9	0.35	0.48	74.1	-1.27	0.28	13.5	1.57	0.15
7JYWFB	7.7	-1.11	0.36	17.7	-3.08	0.77	64.0	-2.57	1.05	4.3	-1.47	0.33
83L6NQ	11.5	-0.01	0.05	25.6	0.22	0.11	91.2	0.95	1.93	8.5	-0.10	0.10
8EWH6Q	13.1	0.44	0.50	25.0	0.00	1.89	87.6	0.47	0.82	10.4	0.55	0.57
9WD468	11.0	-0.16		24.0	-0.43		83.0	-0.12	0.29	8.3	-0.15	0.33
ADGXB8	13.3	0.50	0.91	26.7	0.71	1.68	79.0	-0.63	1.05	9.4	0.21	0.10
AM33J8	14.6	0.87	0.44	25.8	0.33	0.76	87.3	0.44	0.45	9.9	0.38	0.16
CGPZB9	11.6	0.00	0.02	26.0	0.40	0.18	86.1	0.28	0.11	8.6	-0.06	0.12
D8YY6H	12.1	0.15	0.06	26.2	0.48	0.14	81.6	-0.29	0.39	9.3	0.16	0.18
FB8284	26.3	4.17X	3.06	36.8	4.92X	2.61	109.5	3.30X	3.52	16.9	2.69	2.09
GDUZX8	14.7	0.88	0.48	24.4	-0.25	1.46	79.4	-0.58	1.18	17.2	2.80	4.84
GJGQK3	11.1	-0.14	0.08	24.3	-0.29	0.21	87.2	0.43	0.24	8.2	-0.19	0.08
HHZTR4	10.7	-0.26	0.34	25.1	0.04	1.67	83.6	-0.04	2.44	8.9	0.05	0.52
K4CPX4	11.4	-0.05	0.11	28.7	1.55	0.03	90.7	0.87	0.18	8.0	-0.25	0.39
KEFN7D	11.2	-0.09	0.04	24.4	-0.26	0.07	86.0	0.27	0.16	8.3	-0.16	0.03
LM4YVY	23.1	3.26	5.69	24.5	-0.21	1.75	74.6	-1.20	1.76	10.1	0.45	0.78
M3AH8V	8.3	-0.93	0.20	23.7	-0.56	1.85	77.0	-0.89	2.02	9.9	0.36	0.52
MDDWQ9	6.8	-1.34	0.44	20.0	-2.09	1.63	85.1	0.15	2.09	5.8	-1.00	0.13
MJXRUX	13.3	0.50	0.18	23.7	-0.57	0.38	75.3	-1.11	0.68	11.0	0.74	
NB3ATU	13.6	0.57	0.10	28.1	1.27	0.26	95.5	1.50	0.28	9.7	0.29	0.11
NQRGN8	16.3	1.33	0.57	30.7	2.38	2.01	88.8	0.62	1.12	14.5	1.91	1.49



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Zn (SubTestCode 220) in the Wet Digestion Property Groups													Data units: mg/kg
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
NUEY7R	7.8	-1.08	0.11	12.1	-5.42X	5.81	51.7	-4.16X	1.41	6.1	-0.89	0.10	
P4J7LR	11.2	-0.12	0.12	24.4	-0.28	0.21	86.9	0.39	0.34	8.8	0.00	0.11	
PDLNWV	10.9	-0.20	0.05	25.8	0.33	0.09	79.7	-0.54	0.21	8.8	0.00	0.03	
RF4PP8	12.1	0.16	0.28	25.5	0.20	0.43	88.3	0.56	0.35	44.1	11.73X	15.86	
T39VT6	11.5	-0.02	0.35	25.0	0.01	0.73	90.2	0.82	0.14	6.9	-0.62	0.23	
VLHAPP	13.1	0.44	0.19	26.3	0.51	0.31	92.5	1.10	1.34	9.8	0.35	0.38	
WGX44Z	14.0	0.70	0.02	24.7	-0.15	1.67	82.0	-0.25	0.58	10.1	0.43	0.07	
WKGY8R	10.8	-0.21	0.03	25.0	-0.03	0.04	85.1	0.15	0.11	8.3	-0.16	0.21	
XTAQRQ	9.7	-0.53	0.00	21.7	-1.41	0.38	75.3	-1.11	0.45	8.0	-0.26	0.24	
YZ8JZK	13.4	0.51	0.16	26.7	0.68	0.64	83.7	-0.03	0.85	9.2	0.13	0.17	
ZDQKVH	12.7	0.31	0.18	26.0	0.40	0.66	81.0	-0.38	0.77	8.7	-0.04	0.33	
ZWGWJG	8.8	-0.78	0.23	19.7	-2.23	1.13	59.6	-3.14	0.85	6.7	-0.68	0.94	

Zn (SubTestCode 220) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	11.6		25.0		83.9	8.78
Median Abs Dev	1.6		1.0		3.8	1.06
Avg Within Lab SD	3.2		1.5		3.4	1.73
Labs Included	37		35		36	37
Labs Reporting	38		38		38	38



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Mn (SubTestCode 221) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	26.5	-1.35	0.34	54.9	-0.67	0.18	29.0	-1.71	0.29	2.7	-1.14	0.04
6ARZUT	31.6	0.12	0.30	59.1	0.15	0.29	35.2	0.27	0.27	8.6	-0.03	0.09
6MGYKV	56.5	7.34X	0.08	30.1	-5.59X	0.30	34.7	0.09	0.06	9.0	0.05	0.10
6QYWED	32.8	0.46	0.06	58.9	0.10	0.43	35.7	0.42	0.18	9.3	0.10	0.13
6UY9BD	32.5	0.38	0.70	59.4	0.21	1.70	39.2	1.53	3.70	15.0	1.19	3.86
7G8X2D	28.1	-0.90	0.04	55.4	-0.57	0.20	30.9	-1.11	0.40	3.0	-1.08	0.01
7JYWFB	30.3	-0.24	0.16	54.7	-0.72	0.56	31.0	-1.07	0.50	7.3	-0.26	0.39
83L6NQ	32.5	0.39	0.85	59.1	0.15	0.11	34.6	0.06	0.13	8.9	0.03	0.16
8EWH6Q	31.2	0.00	0.45	55.5	-0.56	0.06	34.0	-0.12	0.31	8.5	-0.04	0.78
9WD468	27.0	-1.21		51.0	-1.45		30.0	-1.39		8.3	-0.07	0.39
ADGXB8	27.3	-1.12	0.68	54.3	-0.79	0.82	30.7	-1.18	0.76	8.2	-0.10	0.43
AM33J8	34.5	0.96	0.46	61.7	0.67	0.47	37.3	0.92	0.84	9.8	0.20	0.29
CGPZB9	32.6	0.40	0.26	62.1	0.74	0.07	33.7	-0.20	0.25	10.3	0.29	0.21
D8YY6H	28.8	-0.69	0.29	60.3	0.38	0.09	34.7	0.11	0.27	6.8	-0.37	0.08
FB8284	36.3	1.50	2.11	64.5	1.21	2.23	40.1	1.80	2.80	5.5	-0.61	2.83
GDUZX8	26.2	-1.44	0.55	52.3	-1.19	0.49	29.9	-1.42	0.44	6.8	-0.36	0.77
GJGQK3	30.9	-0.08	0.20	57.1	-0.25	0.04	35.5	0.37	0.19	8.6	-0.02	0.09
HHZTR4	30.7	-0.15	0.83	59.7	0.28	1.60	33.8	-0.18	1.68	9.5	0.14	0.64
K4CPX4	32.4	0.36	0.25	61.0	0.53	0.16	35.6	0.38	0.36	8.9	0.03	0.10
KEFN7D	31.5	0.09	0.16	57.7	-0.13	0.42	36.4	0.64	0.26	8.8	0.01	0.09
LM4YVY	36.7	1.60	2.99	55.7	-0.52	0.65	32.9	-0.46	1.37	9.4	0.13	0.59
M3AH8V	31.1	-0.03	0.08	54.7	-0.71	0.58	32.6	-0.56	0.25	9.1	0.07	0.07
MDDWQ9	41.1	2.87	3.96	47.2	-2.21	4.20	48.0	4.32X	9.95	648.1	120.51X	741.95
NB3ATU	34.2	0.87	0.27	65.4	1.40	0.14	37.9	1.12	0.09	9.6	0.16	0.04
NQRGN8	30.6	-0.16	0.38	55.2	-0.62	0.47	34.2	-0.05	0.23	9.2	0.10	0.46
NUEY7R	20.7	-3.05X	0.65	40.1	-3.60X	0.19	21.3	-4.14X	1.22	5.6	-0.59	0.05



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Mn (SubTestCode 221) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
P4J7LR	31.2	0.00	0.38	59.5	0.23	0.08	34.4	0.00	0.03	8.2	-0.10	0.06	
PDLNWV	36.8	1.62	0.25	72.3	2.75	0.19	39.9	1.74	0.13	10.9	0.42	0.08	
RF4PP8	29.3	-0.54	0.28	57.1	-0.25	0.38	33.4	-0.31	0.24	89.2	15.17	3.03	
T39VT6	32.0	0.25	0.17	61.0	0.54	0.65	33.8	-0.19	0.54	8.6	-0.02	0.08	
VLHAPP	35.0	1.12	0.46	57.6	-0.14	0.37	36.2	0.58	0.75	9.7	0.18	0.35	
WGX44Z	29.6	-0.47	0.14	55.0	-0.66	0.27	32.0	-0.75	0.50	6.3	-0.46	0.14	
WKGY8R	30.8	-0.12	0.04	59.9	0.32	0.07	36.0	0.51	0.06	8.6	-0.03	0.11	
XTAQRQ	27.0	-1.21	0.47	51.7	-1.32	0.41	30.0	-1.39	0.50	6.3	-0.46	0.06	
YZ8JZK	31.1	-0.01	0.13	60.9	0.51	0.48	34.2	-0.07	0.42	9.3	0.11	0.39	
ZDQKVH	31.7	0.14	0.16	58.3	0.00	0.62	36.7	0.73	1.15	8.7	-0.01	0.39	
ZWGWJG	33.7	0.74	0.54	61.8	0.69	1.15	35.0	0.21	1.46	9.6	0.16	0.76	

Mn (SubTestCode 221) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	31.2		58.3		34.4	8.73
Median Abs Dev	1.6		2.8		1.6	0.71
Avg Within Lab SD	3.7		3.7		2.0	1.47
Labs Included	35		35		35	36
Labs Reporting	37		37		37	37



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Fe (SubTestCode 222) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	118.5	-1.35	0.10	159.3	-1.10	0.15	108.8	-1.30	0.11	53.1	-1.49	0.35	
6ARZUT	136.5	-0.71	0.77	190.3	-0.02	0.09	122.2	-0.41	0.16	59.1	-1.06	0.12	
6MGYKV	196.0	1.43	0.25	170.3	-0.72	0.06	136.3	0.54	0.24	78.7	0.34	0.32	
6UY9BD	149.4	-0.24	0.66	178.9	-0.42	0.17	129.2	0.06	0.73	70.4	-0.25	0.56	
7G8X2D	177.7	0.77	0.28	205.0	0.49	0.05	128.3	0.00	0.99	81.1	0.51	0.48	
7JYWFB	144.0	-0.44	0.56	195.0	0.14		114.3	-0.93	0.77	73.0	-0.07	0.69	
83L6NQ	179.0	0.82	0.23	219.6	1.00	0.11	136.4	0.54	0.05	78.2	0.30	0.37	
8EWH6Q	175.5	0.69	0.62	197.7	0.24	0.17	140.6	0.82	0.27	70.3	-0.26	0.30	
9WD468	154.3	-0.07	0.11	185.0	-0.21	0.08	120.3	-0.53	0.06	75.3	0.10	0.20	
ADGXB8	87.7	-2.45	0.81	125.0	-2.29	0.24	85.7	-2.83	0.31	52.0	-1.56	0.32	
AM33J8	170.0	0.49	0.83	201.7	0.37	0.25	134.0	0.38	0.57	76.0	0.15	0.26	
CGPZB9	155.3	-0.03	0.11	168.3	-0.79	0.10	116.7	-0.77	0.12	71.2	-0.20	0.08	
D8YY6H	114.9	-1.48	0.37	168.3	-0.79	0.06	109.4	-1.26	0.12	62.6	-0.81	0.05	
FB8284	199.0	1.53	2.72	229.2	1.33	2.41	175.2	3.12X	2.85	77.5	0.25	2.64	
GDUZX8	141.0	-0.54	0.62	184.1	-0.24	4.26	128.2	0.00	3.03	100.6	1.90	4.67	
GJGQK3	158.0	0.06	0.67	164.7	-0.91	0.36	131.3	0.20	0.47	62.3	-0.83	0.03	
HHZTR4	153.1	-0.11	1.42	221.0	1.05	1.07	115.5	-0.85	1.18	74.7	0.05	0.66	
K4CPX4	171.6	0.55	0.73	219.5	1.00	0.26	127.6	-0.04	0.48	80.6	0.47	0.13	
KEFN7D	149.7	-0.23	0.19	162.7	-0.98	0.74	132.7	0.29	0.21	68.5	-0.39	0.11	
LM4YVY	192.2	1.29	4.07	197.3	0.22	1.06	134.4	0.41	1.52	83.5	0.68	1.21	
M3AH8V	163.0	0.24	0.16	203.0	0.42	0.34	136.0	0.51	0.57	101.7	1.97	0.66	
MDDWQ9	156.2	0.00	0.27	158.4	-1.13	0.83	130.3	0.14	3.94	64.9	-0.65	0.88	
NB3ATU	150.8	-0.19	0.26	176.9	-0.49	1.59	123.1	-0.34	0.10	70.3	-0.26	0.16	
NQRGN8	153.9	-0.08	0.63	190.9	0.00	0.63	132.4	0.27	0.64	79.9	0.42	0.24	
NUEY7R	74.3	-2.93X	1.60	99.5	-3.18X	0.21	58.3	-4.66X	0.18	34.7	-2.80	0.07	
P4J7LR	101.9	-1.94	0.41	161.8	-1.01	0.05	101.0	-1.81	0.38	48.0	-1.85	0.06	



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Fe (SubTestCode 222) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
PDLNWV	167.6	0.41	0.33	208.4	0.61	0.07	127.6	-0.05	0.24	77.4	0.25	0.18
RF4PP8	134.6	-0.77	0.66	157.3	-1.17	0.43	104.9	-1.56	0.06	342.0	19.09X	30.76
T39VT6	166.7	0.38	0.50	206.6	0.55	0.32	135.0	0.45	0.38	75.8	0.13	0.18
VLHAPP	180.2	0.86	0.58	210.2	0.67	0.43	136.7	0.56	0.47	74.1	0.01	0.05
WGX44Z	170.0	0.49	0.46	200.0	0.32	0.24	160.0	2.11	0.51	89.0	1.07	0.09
WKGY8R	166.9	0.38	0.10	218.7	0.97	0.06	138.7	0.69	0.16	73.8	-0.01	0.05
XTAQRQ	151.0	-0.19		191.0	0.00	0.05	119.0	-0.62	0.10	6.3	-4.82X	0.01
YZ8JZK	180.7	0.88	0.05	212.3	0.75	0.20	130.7	0.16	0.62	81.5	0.53	0.08
ZDQKVH	128.0	-1.01		184.0	-0.24	0.24	113.3	-0.99	0.21	63.0	-0.78	0.15
ZWGWJG	170.0	0.49	0.32	163.0	-0.97	1.56	120.7	-0.51	0.60	66.3	-0.54	0.41

Fe (SubTestCode 222) in the Wet Digestion Property Groups

Data units: mg/kg

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	156.2	190.9	128.3	74.0
Median Abs Dev	13.8	19.3	7.8	6.3
Avg Within Lab SD	10.8	20.7	9.8	11.4
Labs Included	35	35	34	34
Labs Reporting	36	36	36	36



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Cu (SubTestCode 223) in the Wet Digestion Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	3.9	-0.30	0.04	10.1	-0.09	0.31	38.5	0.11	0.26	2.7	-0.78	0.22
6ARZUT	3.9	-0.31	0.11	9.6	-0.60	0.34	36.6	-0.34	0.43	2.6	-0.91	0.04
6MGYKV	9.3	6.80X	0.15	3.7	-6.43X	0.03	36.1	-0.46	0.44	2.7	-0.83	0.12
6QYWED	5.5	1.78	0.53	11.8	1.61	0.60	40.8	0.65	0.86	3.8	1.21	0.26
6UY9BD	5.4	1.66	1.91	10.1	-0.05	1.46	34.9	-0.74	0.22	8.9	10.48X	2.93
7G8X2D	4.2	0.17	0.21	10.0	-0.20	0.45	38.1	0.01	0.96	3.2	0.07	0.24
7JYWFB	3.3	-1.04	0.86	8.4	-1.71	0.42	30.0	-1.91	1.27	3.9	1.35	0.77
83L6NQ	4.1	0.00	0.11	10.4	0.23	0.32	39.5	0.33	0.39	3.0	-0.17	0.34
8EWH6Q	5.0	1.16	0.30	11.0	0.84	0.53	43.3	1.24	0.40	3.0	-0.29	0.29
9WD468	3.3	-1.00	0.80	9.0	-1.14		34.0	-0.96		3.0	-0.24	
ADGXB8	4.2	0.09	0.07	10.0	-0.17	0.07	34.3	-0.88	0.42	3.3	0.38	1.23
AM33J8	3.7	-0.47	0.10	10.5	0.35	0.20	38.7	0.16	1.00	3.2	0.12	0.58
CGPZB9	4.1	0.00	0.55	10.3	0.18	0.42	38.5	0.09	0.04	3.9	1.47	0.65
D8YY6H	4.6	0.67	0.11	11.2	1.06	0.25	40.6	0.59	0.43	3.5	0.71	0.21
FB8284	3.7	-0.52	1.42	10.7	0.54	3.26	39.7	0.37	0.13	3.0	-0.18	4.23
GDUZX8	2.9	-1.61	1.60	9.3	-0.89	1.15	33.5	-1.07	0.98	3.1	0.03	1.04
GJGQK3	4.0	-0.19	0.18	10.1	-0.07	0.55	38.1	0.00	0.31	2.8	-0.56	0.07
HHZTR4	3.9	-0.21	0.54	10.3	0.13	2.08	37.5	-0.14	2.76	3.0	-0.25	0.55
K4CPX4	4.0	-0.11	0.06	10.9	0.71	0.23	37.5	-0.14	0.33	3.1	0.00	0.30
KEFN7D	4.1	0.03	0.10	10.5	0.35	0.20	39.1	0.24	0.28	2.9	-0.47	0.09
LM4YVY	6.4	3.00	4.46	10.1	-0.06	1.81	34.7	-0.80	1.91	3.9	1.40	0.59
M3AH8V	4.6	0.66	0.37	10.1	-0.05	0.61	35.6	-0.59	0.33	3.4	0.55	0.47
MDDWQ9	25.0	27.31X	17.52	27.2	16.96X	3.12	53.6	3.67X	1.49	16.9	25.12X	11.08
NB3ATU	4.5	0.51	0.29	11.3	1.11	0.63	42.3	1.00	0.37	3.3	0.40	1.16
NQRGN8	4.4	0.45	0.22	9.7	-0.48	0.82	32.4	-1.33	0.18	3.9	1.44	1.49
NUEY7R	4.1	-0.03	0.24	9.7	-0.42	0.34	34.6	-0.81	0.41	2.8	-0.55	0.30



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Cu (SubTestCode 223) in the Wet Digestion Property Groups												Data units: mg/kg		
WebCode	SRB2009			SRB2010			SRB2011			SRB2012				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
P4J7LR	4.3	0.28	0.07	10.7	0.55	0.46	37.6	-0.10	0.79	3.5	0.59	0.16		
PDLNWV	4.8	0.93	0.14	11.9	1.71	0.18	45.0	1.63	0.38	3.6	0.79	0.04		
RF4PP8	3.8	-0.35	0.04	10.2	0.00	0.38	38.6	0.13	0.35	13.4	18.77X	5.36		
T39VT6				10.9	0.75	1.00	41.8	0.87	1.25					
VLHAPP	4.6	0.60	0.19	10.7	0.50	0.21	41.6	0.84	0.64	2.6	-0.92	0.62		
WGX44Z	3.6	-0.63	0.04	7.6	-2.50	0.12	19.0	-4.50X	0.74	3.4	0.49	0.32		
WKGY8R	4.6	0.66	0.30	11.6	1.44	0.24	45.0	1.63	0.04	2.4	-1.32	0.22		
XTAQRQ	2.9	-1.61	0.08	9.3	-0.82	0.26	35.0	-0.72		2.9	-0.42	0.14		
YZ8JZK	3.0	-1.44		9.7	-0.42	0.51	34.6	-0.83	0.43	2.8	-0.54	0.53		
ZDQKVH	4.0	-0.13		9.0	-1.14		34.0	-0.96	1.47	2.3	-1.45	1.07		
ZWGWJG	4.4	0.35	0.92	10.9	0.74	2.43	42.1	0.96	3.06	3.9	1.41	1.76		

Cu (SubTestCode 223) in the Wet Digestion Property Groups					Data units: mg/kg	
	SRB2009	SRB2010	SRB2011	SRB2012		
Grand Median	4.10	10.2	38.1	3.13		
Median Abs Dev	0.37	0.5	3.1	0.30		
Avg Within Lab SD	0.72	0.5	1.4	0.54		
Labs Included	34	35	35	33		
Labs Reporting	36	37	37	36		



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Mo (SubTestCode 224) in the Wet Digestion Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	0.38	1.74	0.70	1.74	-1.17	0.90	0.98	1.45	1.05	0.34	0.04	0.00	
6ARZUT	0.18	0.42	0.11	2.18	0.05	0.38	0.61	-0.19	0.19	0.35	0.17	0.26	
6MGYKV	2.22	13.78X	0.51	0.12	-5.60X	0.01	0.67	0.09	0.18	0.34	0.05	0.01	
6QYWED				2.21	0.13	1.04							
83L6NQ	0.10	-0.09	0.06	2.10	-0.18	0.08	0.57	-0.38	0.07	0.30	-0.35	0.03	
9WD468	0.20	0.56	1.01	2.13	-0.08	0.34	0.70	0.21	1.68	0.43	0.87	0.80	
FB8284	0.50	2.51	3.31	2.42	0.69	3.40	0.85	0.89	2.40	0.62	2.55	3.10	
GDUZX8	0.06	-0.34	0.14	2.16	0.00	0.30	0.71	0.24	1.21	0.41	0.62	1.36	
GJGQK3	0.11	0.00	0.03	2.07	-0.25	0.18	0.63	-0.09	0.44	0.33	-0.04	0.04	
KEFN7D	0.13	0.11	0.02	2.31	0.40	0.19	0.72	0.28	0.17	0.36	0.21	0.02	
NB3ATU				1.78	-1.05	0.95	0.15	-2.21		0.07	-2.31		
NUEY7R	0.00	-0.71	0.01	1.51	-1.80	0.18	0.38	-1.21	0.41	0.19	-1.33	0.11	
PDLN WV	0.09	-0.17	0.03	2.26	0.26	0.08	0.62	-0.16	0.08	0.33	-0.06	0.15	
RF4PP8	-0.07	-1.18	0.36	2.24	0.21	0.78	0.43	-0.97	1.14	1.39	9.30X	29.16	
T39VT6				1.48	-1.86	0.36							
VLHAPP				3.00	2.30	1.15	1.04	1.70	1.05				
WKG Y8R	0.09	-0.16	0.16	2.31	0.41	0.20	0.73	0.33	0.26	0.31	-0.23	0.38	
ZDQKVH	0.23	0.78	0.58	1.93	-0.63	0.34	0.57	-0.38	0.97	0.27	-0.61	0.80	

Mo (SubTestCode 224) in the Wet Digestion Property Groups					Data units: mg/kg			
	SRB2009		SRB2010		SRB2011		SRB2012	
Grand Median	0.11		2.16		0.65		0.34	
Median Abs Dev	0.06		0.14		0.08		0.03	
Avg Within Lab SD	0.10		0.17		0.06		0.07	
Labs Included	13		17		16		14	
Labs Reporting	14		18		16		15	



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P (SubTestCode 225) in the Dry Ash Property Groups													Data units: Percent
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	0.10	0.34	1.53	0.35	-0.26	0.88	0.15	0.00	0.00	0.07	0.00	2.01	
B6YPLP	0.09	0.00	1.53	0.38	1.24	0.00	0.16	0.81	0.00	0.08	1.43	0.00	
M9G9A2	0.10	0.30	0.53	0.37	0.86	1.89	0.15	0.00	2.13	0.08	0.52	0.68	
PDLNWV	0.08	-1.36	0.26	0.36	0.00	0.81	0.13	-1.75	0.67	0.07	-0.71	0.70	
R27F9T	0.08	-1.36	0.00	0.34	-1.01	0.00	0.14	-0.81	0.00	0.07	-0.71	0.00	

P (SubTestCode 225) in the Dry Ash Property Groups													Data units: Percent
	SRB2009			SRB2010			SRB2011			SRB2012			
Grand Median	0.09			0.36			0.15			0.073			
Median Abs Dev	0.00			0.02			0.01			0.003			
Avg Within Lab SD	0.00			0.01			0.00			0.003			
Labs Included	5			5			5			5			
Labs Reporting	5			5			5			5			



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K (SubTestCode 226) in the Dry Ash Property Groups

Data units: Percent

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
74JYAB	0.64	0.11	0.44	2.10	0.51	0.91	1.33	1.14	0.96	3.39	1.50	0.25
B6YPLP	0.64	0.00	1.18	2.07	-0.13	0.00	1.25	0.00	0.63	3.26	0.16	0.57
M9G9A2	0.76	1.98	1.67	2.12	0.74	2.00	1.33	1.15	1.83	3.25	0.00	1.66
PDLNWV	0.58	-0.86	0.22	1.97	-1.99	0.23	1.20	-0.70	0.42	3.10	-1.52	1.22
R27F9T	0.61	-0.42	0.77	2.08	0.00	0.35	1.22	-0.38	0.41	3.23	-0.20	0.62

K (SubTestCode 226) in the Dry Ash Property Groups

Data units: Percent

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	0.64	2.08	1.25	3.25
Median Abs Dev	0.03	0.03	0.05	0.02
Avg Within Lab SD	0.01	0.02	0.02	0.05
Labs Included	5	5	5	5
Labs Reporting	5	5	5	5



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Ca (SubTestCode 227) in the Dry Ash Property Groups												Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	1.96	-0.51	0.63	0.43	0.00	1.35	4.11	0.99	0.85	0.14	0.00	1.15	
B6YPLP	2.03	0.30	0.73	0.44	0.37	0.68	3.99	0.00	0.48	0.15	0.46	1.15	
M9G9A2	2.09	0.96	1.75	0.46	1.08	1.51	4.05	0.44	1.86	0.18	1.79	1.30	
PDLNWV	2.00	0.00	0.99	0.42	-0.20	0.67	3.93	-0.50	0.73	0.13	-0.34	0.81	
R27F9T	1.87	-1.60	0.21	0.38	-1.72	0.00	3.82	-1.44	0.21	0.12	-0.77	0.00	

Ca (SubTestCode 227) in the Dry Ash Property Groups					Data units: Percent	
	SRB2009		SRB2010		SRB2011	
Grand Median	2.00		0.43		3.99	
Median Abs Dev	0.04		0.01		0.06	
Avg Within Lab SD	0.03		0.01		0.07	
Labs Included	5		5		5	
Labs Reporting	5		5		5	



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Mg (SubTestCode 228) in the Dry Ash Property Groups												Data units: Percent	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	0.13	0.00	0.00	0.30	-0.36	0.90	0.36	0.00	0.75	0.17	0.00	0.00	
B6YPLP	0.15	1.58	2.00	0.34	1.27	0.00	0.39	1.51	0.75	0.19	1.26	0.00	
M9G9A2	0.12	-0.63	0.97	0.31	0.00	1.97	0.35	-0.51	1.88	0.16	-0.89	1.93	
PDLNWV	0.13	0.22	0.20	0.33	0.78	0.56	0.37	0.18	0.59	0.18	0.59	1.12	
R27F9T	0.12	-0.95	0.00	0.29	-0.96	0.00	0.34	-1.17	0.00	0.16	-0.63	0.00	

Mg (SubTestCode 228) in the Dry Ash Property Groups					Data units: Percent	
	SRB2009		SRB2010		SRB2011	
Grand Median	0.13		0.31		0.36	
Median Abs Dev	0.01		0.02		0.01	
Avg Within Lab SD	0.00		0.01		0.01	
Labs Included	5		5		5	
Labs Reporting	5		5		5	



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Na (SubTestCode 229) in the Dry Ash Property Groups													Data units: Percent
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	0.010	0.00	0.76	0.038	0.16	1.91	0.020	0.54	2.03	0.006	0.00	1.06	
B6YPLP	0.013	0.80	0.64	0.038	0.00	0.59	0.023	1.83	0.75	0.009	1.03	0.83	
M9G9A2	0.014	1.06	0.21	0.036	-1.66	1.00	0.019	0.00	0.45	0.007	0.43	0.98	
PDLNWV	0.008	-0.66	0.22	0.038	0.16	0.00	0.017	-0.65	0.34	0.001	-1.31	1.06	
R27F9T	0.007	-0.85	1.98	0.036	-1.40	0.00	0.018	-0.35	0.00	0.004	-0.60	1.06	

Na (SubTestCode 229) in the Dry Ash Property Groups													Data units: Percent
	SRB2009			SRB2010			SRB2011			SRB2012			
Grand Median	0.010			0.038			0.019			0.006			
Median Abs Dev	0.003			0.000			0.001			0.002			
Avg Within Lab SD	0.003			0.001			0.002			0.001			
Labs Included	5			5			5			5			
Labs Reporting	5			5			5			5			



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AI (SubTestCode 230) in the Dry Ash Property Groups										Data units: mg/kg
WebCode	SRB2009			SRB2010			SRB2011			SRB2012
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
B6YPLP	222.7		0.89	107.7		0.51	199.7		1.23	62.3 0.32
LM4YVY	216.6		1.47	99.0		1.51	176.5		1.20	67.4 1.64
PDLNWV	175.3		0.20	86.4		0.68	150.6		0.22	57.5 0.44

AI (SubTestCode 230) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	216.6		99.0		176.5	62.3
Median Abs Dev						
Avg Within Lab SD	7.9		3.0		2.0	1.8
Labs Included	3		3		3	3
Labs Reporting	3		3		3	3



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B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
74JYAB	20.33	0.74	0.70	10.67	0.99	0.49	80.67	-0.06	0.24	8.00	1.46	
B6YPLP	15.33	-0.58	0.70	3.70	-0.17	0.12	75.00	-0.85	0.42	1.61	-0.21	0.28
LM4YVY	20.01	0.65	1.93	9.53	0.80	0.92	81.08	0.00	1.08	10.26	2.05	2.10
M9G9A2	17.01	-0.13	0.93	4.16	-0.09	0.12	87.48	0.89	1.66	1.80	-0.16	0.11
NQRGN8	24.73	1.90	1.12	19.94	2.53	2.41	93.48	1.73	1.32	99.75	25.45X	6.25
PDLNWV	17.52	0.00	0.32	4.72	0.00	0.28	83.50	0.34	0.33	2.73	0.08	0.72
R27F9T	14.80	-0.72	0.21	3.87	-0.14	0.05	75.00	-0.85		2.10	-0.08	0.00

B (SubTestCode 231) in the Dry Ash Property Groups

Data units: mg/kg

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	17.5	4.72	81.1	2.42
Median Abs Dev	2.5	1.02	6.1	0.71
Avg Within Lab SD	0.8	1.18	2.4	1.05
Labs Included	7	7	7	6
Labs Reporting	7	7	7	7



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Zn (SubTestCode 232) in the Dry Ash Property Groups										Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012	
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
74JYAB	12.0			24.3		1.62	83.0		0.71	10.0	
M9G9A2	11.9		1.41	24.0		0.28	84.6		1.82	9.3	1.00
PDLNWV	10.3		0.63	23.9		0.57	69.8		0.44	8.8	1.40
R27F9T	11.5		0.79	23.8		0.99	81.8		0.08	9.1	0.17
Zn (SubTestCode 232) in the Dry Ash Property Groups										Data units: mg/kg	
	SRB2009			SRB2010			SRB2011			SRB2012	
Grand Median	11.7			24.0			82.4			9.20	
Median Abs Dev											
Avg Within Lab SD	0.2			0.4			1.4			0.34	
Labs Included	4			4			4			4	
Labs Reporting	4			4			4			4	



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Mn (SubTestCode 233) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	25.3	-0.80	0.58	54.3	-1.41	0.54	34.7	0.00	1.84	8.7	-0.66	1.68	
B6YPLP	28.0	0.37	2.00	60.0	0.37		34.0	-1.15		8.6	-0.71	0.90	
M9G9A2	27.2	0.00	0.69	58.8	0.00	1.83	34.8	0.30	0.68	10.0	0.93	0.11	
PDLNWV	30.3	1.40	0.34	63.5	1.48	0.52	35.3	1.17	0.34	10.1	1.08	1.17	
R27F9T	25.4	-0.79	0.31	58.5	-0.11	0.30	34.2	-0.75	0.24	9.2	0.00	0.00	

Mn (SubTestCode 233) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	
Grand Median	27.2		58.8		34.7	
Median Abs Dev	1.8		1.2		0.4	
Avg Within Lab SD	1.0		1.1		0.6	
Labs Included	5		5		5	
Labs Reporting	5		5		5	



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Fe (SubTestCode 234) in the Dry Ash Property Groups													Data units: mg/kg
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	128.7	0.00	0.54	112.3	-0.07	1.51	93.3	0.00	0.66	43.7	-0.60	0.80	
B6YPLP	186.0	1.87	2.15	206.0	2.82	1.14	139.3	2.65	1.09	76.7	1.86	1.06	
M9G9A2	142.8	0.46	0.21	114.6	0.00	0.91	94.4	0.06	1.17	56.9	0.38	0.95	
PDLNWV	115.9	-0.42	0.11	125.5	0.34	0.19	90.5	-0.16	0.25	51.8	0.00	1.42	
R27F9T	109.3	-0.63	0.16	110.0	-0.14	0.75	84.7	-0.50	1.39	44.7	-0.53	0.55	

Fe (SubTestCode 234) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	128.7		114.6		93.3	51.8
Median Abs Dev	14.1		4.6		2.9	7.1
Avg Within Lab SD	9.3		2.3		2.3	1.4
Labs Included	5		5		5	5
Labs Reporting	5		5		5	5



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Cu (SubTestCode 235) in the Dry Ash Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	5.00	0.75	1.02	6.03	-0.62	1.28	38.73	0.09	0.28	3.97	0.66	1.56	
B6YPLP	4.45	-0.36	1.53	10.63	1.76	0.93	42.03	1.82	0.90	3.53	0.00	1.43	
M9G9A2	4.62	0.00	0.83	6.55	-0.35	1.29	38.57	0.00	1.85	4.13	0.92	0.42	
PDLNWV	4.11	-1.03	0.24	8.46	0.64	0.70	37.78	-0.42	0.46	3.00	-0.82	0.57	
R27F9T	5.24	1.24	0.93	7.23	0.00	0.59	36.57	-1.05	0.69	2.90	-0.97	0.00	

Cu (SubTestCode 235) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	
Grand Median	4.62		7.23		38.6	
Median Abs Dev	0.38		1.20		0.8	
Avg Within Lab SD	0.17		0.20		0.7	
Labs Included	5		5		5	
Labs Reporting	5		5		5	



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Mo (SubTestCode 236) in the Dry Ash Property Groups										Data units: mg/kg	
SRB2009			SRB2010			SRB2011			SRB2012		
WebCode	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
PDLNWV	0.11		1.00	1.94		1.00	0.53		1.00	0.27	1.00

Mo (SubTestCode 236) in the Dry Ash Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	0.11		1.94		0.53	0.27
Median Abs Dev						
Avg Within Lab SD	0.00		0.03		0.01	0.01
Labs Included	1		1		1	1
Labs Reporting	1		1		1	1



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As (SubTestCode 237) in the Heavy Metals Property Groups Data units: mg/kg

WebCode	SRB2009			SRB2010			SRB2011			SRB2012		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
3TU2TU	1.81	11.00X	13.07	0.21	0.69	0.00	3.23	25.88X	1.06	0.21	1.17	0.00
6MGYKV	0.13	0.00	0.06	0.10	-0.36	0.40	0.16	0.00	0.05	0.05	-0.47	0.12
GJGQK3	0.09	-0.26	0.25	0.13	-0.14	0.51	0.15	-0.05	0.18	0.04	-0.54	0.06
KEFN7D	0.12	-0.06	0.13	0.15	0.14	0.17	0.19	0.30	0.05	0.06	-0.38	0.03
VLHAPP	0.56	2.82	0.40	0.38	2.33	2.36	0.49	2.82	1.39	0.20	1.10	0.48
WKGY8R	0.17	0.24	2.18	0.10	-0.39	0.00	0.13	-0.21	1.74	0.13	0.38	2.40

As (SubTestCode 237) in the Heavy Metals Property Groups Data units: mg/kg

	SRB2009	SRB2010	SRB2011	SRB2012
Grand Median	0.13	0.14	0.16	0.10
Median Abs Dev	0.04	0.04	0.03	0.05
Avg Within Lab SD	0.03	0.01	0.03	0.02
Labs Included	5	6	5	6
Labs Reporting	6	6	6	6



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Ba (SubTestCode 238) in the Heavy Metals Property Groups													Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3TU2TU	5.21	-0.67	0.37	8.57	-1.22	0.49	56.05	-0.66	1.17	3.61	-1.55	0.11		
6MGYKV	8.96	9.61X	1.28	5.52	-6.08X	0.29	59.57	0.00	1.34	4.09	0.00	0.66		
GJGQK3	5.39	-0.17	1.63	8.96	-0.59	1.12	63.17	0.68	1.12	3.99	-0.31	0.63		
KEFN7D	5.81	0.98	0.26	9.75	0.67	0.32	64.40	0.91	1.10	4.33	0.76	0.30		
NB3ATU	5.98	1.46	0.50	10.10	1.23	0.85	62.95	0.64	0.71	4.26	0.56	0.54		
VLHAPP	5.51	0.17	1.65	9.44	0.17	1.87	52.85	-1.27	0.74	4.20	0.35	2.38		
WKGY8R	5.23	-0.61	0.43	9.22	-0.17	0.43	56.60	-0.56	0.58	3.72	-1.20	0.29		

Ba (SubTestCode 238) in the Heavy Metals Property Groups													Data units: mg/kg	
	SRB2009			SRB2010			SRB2011			SRB2012				
Grand Median	5.45			9.33			59.6			4.09				
Median Abs Dev	0.23			0.39			3.5			0.17				
Avg Within Lab SD	0.15			0.21			0.6			0.20				
Labs Included	6			6			7			7				
Labs Reporting	7			7			7			7				



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Cd (SubTestCode 239) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	0.07	0.94	2.20	0.10	-1.52	0.54	0.06	1.68	0.00	0.06	0.17	0.00	
6MGYKV	0.13	2.72X	0.55	0.01	-4.74X	0.02	0.01	-0.14	0.35	0.05	-0.40	0.10	
83L6NQ	0.06	0.63	0.38	0.17	1.19	0.51	0.05	1.22	1.46	0.09	1.30	0.09	
GJGQK3	0.01	-0.66	0.08	0.13	-0.30	0.17	0.01	-0.12	0.11	0.05	-0.37	0.14	
KEFN7D	0.01	-0.67	0.02	0.14	0.05	0.27	0.01	-0.10	0.43	0.05	-0.17	0.15	
NB3ATU				0.14	0.00	2.40				0.08	0.88	2.79	
VLHAPP	0.05	0.58	1.01	0.17	1.21	0.24	0.05	1.47	2.14	0.07	0.60	0.41	
WKGY8R	0.01	-0.58	0.00	0.13	-0.45	0.72	0.01	0.00	0.00	0.02	-1.50	0.00	

Cd (SubTestCode 239) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	0.032		0.14		0.010	0.056
Median Abs Dev	0.024		0.01		0.004	0.012
Avg Within Lab SD	0.005		0.02		0.001	0.018
Labs Included	6		7		7	8
Labs Reporting	7		8		7	8



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Co (SubTestCode 240) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	0.13	0.95	0.00	0.13	-0.01	0.00	0.13	0.55	0.00	0.13	0.38	0.00	
6MGYKV	0.13	0.84	1.21	0.08	-0.73	0.05	0.09	-0.06	0.01	0.09	-0.38	0.52	
9WD468	0.06	-0.54	2.01				0.02	-1.09	0.13	0.14	0.54	0.42	
GJGQK3	0.08	-0.19	0.37	0.13	0.00	0.60	0.09	-0.09	0.03	0.07	-0.66	0.07	
KEFN7D	0.09	0.00	0.10	0.13	0.05	0.09	0.10	0.06	0.04	0.07	-0.57	0.02	
NB3ATU				0.25	1.77	2.56	0.25	2.33	2.81	0.18	1.30	2.72	
VLHAPP	0.01	-1.68	0.07	0.03	-1.50	0.12	0.02	-1.11	0.02	0.04	-1.08	0.12	
WKGY8R	0.11	0.52	1.16	0.18	0.66	0.29	0.10	0.10	0.27	0.14	0.49	0.37	

Co (SubTestCode 240) in the Heavy Metals Property Groups					Data units: mg/kg			
	SRB2009		SRB2010		SRB2011		SRB2012	
Grand Median	0.086		0.13		0.09		0.11	
Median Abs Dev	0.026		0.05		0.02		0.03	
Avg Within Lab SD	0.009		0.02		0.08		0.04	
Labs Included	7		7		8		8	
Labs Reporting	7		7		8		8	



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Ni (SubTestCode 241) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	0.36	-1.06	1.78	0.20	-1.75	0.00	2.02	-0.97	0.36	0.20	0.67	0.00	
6MGYKV	0.62	0.04	0.02	0.61	-0.12	0.12	2.35	0.07	0.44	0.10	-0.84	1.83	
83L6NQ	0.83	0.88	1.84	0.75	0.45	0.27	2.64	1.01	1.46	0.21	0.89	0.18	
GJGQK3	0.63	0.07	0.41	0.67	0.12	0.00	2.30	-0.08	0.09				
KEFN7D	0.67	0.22	0.12	0.67	0.12	0.39	2.41	0.25	0.09	0.09	-0.97	0.70	
NB3ATU	0.12	-2.02	0.45	0.24	-1.61	2.75	2.63	0.96	2.33				
VLHAPP	0.36	-1.05	1.02	0.47	-0.68	0.37	1.71	-1.99	0.11				
WKGY8R	0.60	-0.04	0.08	0.78	0.56	0.21	2.31	-0.07	0.28	0.16	0.00	1.06	

Ni (SubTestCode 241) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	0.61		0.64		2.33	0.16
Median Abs Dev	0.13		0.13		0.19	0.05
Avg Within Lab SD	0.07		0.08		0.35	0.01
Labs Included	8		8		8	5
Labs Reporting	8		8		8	5



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Pb (SubTestCode 242) in the Heavy Metals Property Groups													Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012				
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score		
3TU2TU	1.35	2.91	1.29	1.34	-2.06	0.16	1.39	81.60X	16.79	1.32	16.61X	0.00		
6MGYKV	1.86	4.44X	0.56	0.34	-6.38X	0.10	0.12	1.01	0.64	0.19	0.00	0.49		
GJGQK3	0.34	-0.14	0.22	1.87	0.21	0.18	0.10	0.00	0.91	0.19	-0.03	0.27		
KEFN7D	0.38	0.00	0.97	1.81	-0.03	0.30	0.10	-0.17	0.14	0.18	-0.18	0.20		
NB3ATU				1.83	0.03	2.42								
VLHAPP	0.41	0.09	1.01	1.80	-0.07	0.05	0.13	2.11	1.93	0.28	1.33	0.10		
WKGY8R	0.31	-0.23	1.15	2.20	1.64	0.00	0.10	-0.08	0.00	0.32	1.83	2.15		

Pb (SubTestCode 242) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	
Grand Median	0.38		1.82		0.10	
Median Abs Dev	0.05		0.03		0.00	
Avg Within Lab SD	0.04		0.25		0.01	
Labs Included	5		6		5	
Labs Reporting	6		7		6	



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Sr (SubTestCode 243) in the Heavy Metals Property Groups												Data units: mg/kg	
WebCode	SRB2009			SRB2010			SRB2011			SRB2012			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
3TU2TU	103.9	0.00	0.27	10.3	0.00	1.08	209.8	-0.72	0.10	2.8	0.00	2.68	
6MGYKV	11.2	-2.99X	0.31	109.3	32.25X	7.08	235.7	0.00	0.13	2.8	0.00	0.05	
9WD468	96.7	-0.23	0.34	9.3	-0.32	0.25	196.9	-1.08	0.13	1.8	-1.31	0.36	
GJGQK3	114.0	0.33	1.36	11.3	0.34	1.62	242.3	0.19	2.55	2.8	0.06	0.14	
KEFN7D	123.7	0.64	1.57	12.1	0.59	1.28	268.3	0.91	0.51	3.1	0.46	0.54	
NB3ATU	118.0	0.46	0.82	11.7	0.45	0.53	249.1	0.38	0.43	2.9	0.18	0.51	
VLHAPP	92.8	-0.36	0.92	9.2	-0.33	0.48	184.1	-1.44	0.02	2.3	-0.59	0.29	
WKGY8R	20.0	-2.71		2.0	-2.69		42.7	-5.39X	0.13	0.6	-2.79	0.18	

Sr (SubTestCode 243) in the Heavy Metals Property Groups					Data units: mg/kg	
	SRB2009		SRB2010		SRB2011	SRB2012
Grand Median	103.9		10.3		235.7	2.77
Median Abs Dev	11.1		1.0		25.8	0.24
Avg Within Lab SD	1.5		0.2		4.5	0.11
Labs Included	7		7		7	8
Labs Reporting	8		8		8	8





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PH (SubTestCode 301)

Data units:

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED	7.79	-0.11	0.74	8.16	-0.27	1.64	8.52	0.30	0.65
6UY9BD	7.59	-1.64	0.64	8.19	0.09	0.21	8.12	-1.06	1.22
74JYAB	7.83	0.26	1.04	8.21	0.36	0.55	8.58	0.50	0.24
A2YERB	7.72	-0.67	0.11	8.08	-1.31	0.21	8.49	0.19	0.00
AM33J8	7.85	0.39	0.97	8.20	0.27	1.29	8.47	0.12	0.73
D8YY6H	7.78	-0.19	1.83	8.20	0.23	0.55	7.76	-2.27	2.92
GDUZX8	7.82	0.11	0.46	8.24	0.75	0.54	8.45	0.06	0.32
K4CPX4	7.71	-0.72	1.26	8.10	-1.13	0.45	8.15	-0.96	0.28
LM4YVY	7.76	-0.32	0.18	8.10	-1.13	0.21	8.36	-0.23	0.09
NUEY7R	7.39	-3.23X	0.11	7.92	-3.53X	0.36	8.11	-1.08	0.16
P4J7LR	7.74	-0.48	0.18	8.06	-1.58	0.21	8.43	0.00	0.33
P7ZVHA	7.99	1.47	0.56	8.22	0.50	0.55	8.32	-0.39	0.65
RF4PP8	7.85	0.39		8.24	0.81		8.68	0.83	
T39VT6	7.89	0.71	1.43	8.17	-0.09	1.15	8.43	0.00	1.13
WKGY8R	7.64	-1.27	0.00	8.09	-1.22	0.00	8.17	-0.88	0.00
XTAQRQ	8.02	1.74	2.06	8.24	0.81	2.58	8.43	0.00	1.70
YUWR9Y	7.84	0.31	0.48	8.16	-0.23	1.03	7.66	-2.59	0.28

PH (SubTestCode 301)

Data units:

	SRW2007	SRW2008	SRW2009
Grand Median	7.80	8.18	8.43
Median Abs Dev	0.06	0.05	0.12
Avg Within Lab SD	0.05	0.03	0.06
Labs Included	16	16	17
Labs Reporting	17	17	17



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EC (SubTestCode 302)

Data units: dS/m

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED	0.57	0.07	0.12	1.40	0.41	0.20	0.91	0.39	0.05
6UY9BD	0.57	0.00	0.00	1.40	0.32	1.31	0.89	-0.19	1.45
74JYAB	0.58	0.34	0.82	1.38	-0.22	0.38	0.91	0.35	0.73
A2YERB	0.57	-0.02	0.08	1.41	0.45	0.04	0.90	0.05	0.19
AM33J8	0.56	-0.42	1.48	1.38	-0.09	1.60	0.89	-0.34	2.21
D8YY6H	0.56	-0.62	0.31	1.38	-0.09	0.20	0.89	-0.41	0.15
GDUZX8	0.60	1.71	0.36	1.48	2.12	0.16	0.95	2.13	0.06
K4CPX4	0.55	-0.80	2.21	1.37	-0.29	1.50	0.88	-0.84	1.17
LM4YVY	0.58	0.34	0.82	1.42	0.78	0.00	0.92	0.76	0.73
NUEY7R	0.53	-2.29X	1.00	1.24	-3.42X	0.39	0.84	-2.35X	0.25
P4J7LR	0.56	-0.68	0.82	1.36	-0.61	0.66	0.88	-0.60	1.92
P7ZVHA	0.57	0.00	0.00	1.39	0.09	0.00	0.90	-0.05	0.73
RF4PP8	0.59	1.21		1.47	1.84		0.94	1.65	
T39VT6	0.55	-1.14	2.13	1.34	-1.08	1.78	0.87	-1.10	0.82
WKGY8R	0.54	-1.38	0.14	1.32	-1.45	0.13	0.89	-0.47	0.19
XTAQRQ	0.60	1.34	1.05	1.38	-0.09	2.14	0.90	0.19	0.77
YUWR9Y	0.58	0.72	0.09	1.42	0.86	0.04	0.93	1.27	0.03

EC (SubTestCode 302)

Data units: dS/m

	SRW2007	SRW2008	SRW2009
Grand Median	0.57	1.39	0.90
Median Abs Dev	0.01	0.02	0.01
Avg Within Lab SD	0.01	0.02	0.01
Labs Included	16	16	16
Labs Reporting	17	17	17



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Ca (SubTestCode 303) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6QYWED	2.82	0.79	0.09	5.48	0.15	0.15	2.09	0.99	0.27	
6UY9BD	2.38	-1.21	0.38	4.99	-1.62	0.82	1.77	-1.34	0.96	
74JYAB	2.30	-1.55	0.00	5.37	-0.27	1.10	2.00	0.34		
A2YERB	2.65	0.00	0.63	5.31	-0.46	1.05	1.89	-0.46	0.96	
AM33J8	2.78	0.61	1.12	5.58	0.48	0.98	2.07	0.82	1.37	
D8YY6H	2.67	0.09	0.51	5.34	-0.38	0.11	1.89	-0.47	0.40	
GDUZX8	2.81	0.73	2.20	5.87	1.55	1.88	2.08	0.94	1.00	
LM4YVY	2.54	-0.50	1.44	5.25	-0.69	1.78	1.95	-0.04	0.68	
NUEY7R	1.23	-6.35X	0.62	2.48	-10.65X	0.31	0.87	-7.87X	0.35	
P4J7LR	2.51	-0.60	0.17	5.16	-1.02	0.20	1.84	-0.83	0.93	
P7ZVHA	2.94	1.31	1.54	5.87	1.55	0.99	2.21	1.89	2.18	
RF4PP8	2.56	-0.40	1.09	5.45	0.04	0.59	1.93	-0.20	0.95	
T39VT6	2.73	0.37	0.23	5.60	0.55	0.89	2.01	0.44	0.24	
WKGY8R	2.51	-0.60	0.62	5.44	0.00	0.38	1.95	0.00	0.08	
XTAQRQ	1.84	-3.61X	1.05	3.52	-6.91X	2.10	1.42	-3.93X	1.14	

Ca (SubTestCode 303) in the Cations Property Groups				Data units: mmolc/L
	SRW2007	SRW2008	SRW2009	
Grand Median	2.65	5.44	1.95	
Median Abs Dev	0.13	0.13	0.06	
Avg Within Lab SD	0.07	0.10	0.04	
Labs Included	13	13	13	
Labs Reporting	15	15	15	



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Mg (SubTestCode 304) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6QYWED	2.30	0.00	0.39	5.73	-1.22	0.67	1.15	0.00	0.94	
6UY9BD	2.27	-0.23	1.03	5.99	-0.30	0.81	1.14	-0.17	0.94	
74JYAB	2.17	-1.07	1.47	5.70	-1.31	2.19	1.20	0.88	0.00	
A2YERB	2.28	-0.18	0.67	6.17	0.32	0.70	1.11	-0.61	0.81	
AM33J8	2.40	0.75	1.92	6.14	0.20	1.65	1.18	0.50	2.05	
D8YY6H	2.31	0.06	0.21	6.02	-0.21	0.33	1.09	-0.87	0.78	
GDUZX8	2.39	0.67	1.55	6.44	1.23	1.37	1.22	1.19	0.44	
LM4YVY	2.26	-0.33	0.37				1.07	-1.31	0.45	
NUEY7R	1.07	-9.67X	0.60	2.60	-12.00X	1.32	0.48	-10.98X	1.10	
P4J7LR	2.56	1.98	0.39	6.27	0.64	0.52	1.15	0.06	0.00	
P7ZVHA	2.47	1.28	0.15	6.41	1.15	0.25	1.20	0.88	0.81	
RF4PP8	2.28	-0.16	1.48	6.02	-0.20	0.44	1.11	-0.53	1.81	
T39VT6	2.44	1.05	0.72	6.23	0.52	0.58	1.18	0.49	1.07	
WKGY8R	2.17	-1.00	0.17	5.85	-0.78	0.18	1.07	-1.27	0.53	
XTAQRQ	1.70	-4.74X	1.15	4.41	-5.77X	1.99	0.89	-4.33X	2.79	

Mg (SubTestCode 304) in the Cations Property Groups				Data units: mmolc/L
	SRW2007	SRW2008	SRW2009	
Grand Median	2.30	6.08	1.15	
Median Abs Dev	0.09	0.17	0.04	
Avg Within Lab SD	0.04	0.09	0.01	
Labs Included	13	12	13	
Labs Reporting	15	14	15	



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Na (SubTestCode 305) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED	1.23	0.06	0.20	4.74	-0.18	0.25	5.57	-0.52	0.41
6UY9BD	1.26	0.42	0.54	4.97	0.65	0.78	5.90	0.49	0.44
74JYAB	1.07	-1.93	2.04	4.33	-1.61	1.38	5.03	-2.12	1.26
A2YERB	1.18	-0.62	0.54	4.78	-0.02	0.89	5.56	-0.54	0.68
AM33J8	1.24	0.18	1.34	4.98	0.67	0.88	5.94	0.59	1.43
D8YY6H	1.24	0.16	0.10	4.79	0.00	0.32	5.84	0.30	0.48
GDUZX8	1.34	1.28	1.39	5.15	1.28	1.19	6.01	0.81	0.52
LM4YVY	1.21	-0.19	0.22	4.96	0.60	0.96	5.71	-0.09	0.88
NUEY7R	1.07	-1.93	1.59	4.49	-1.04	1.97	5.42	-0.97	0.82
P4J7LR	1.15	-0.94	0.35	4.68	-0.38	1.07	5.46	-0.84	1.09
P7ZVHA	1.29	0.73	1.06	5.20	1.47	0.34	6.19	1.34	1.16
RF4PP8	1.23	0.00	1.10	4.97	0.64	0.36	5.86	0.36	0.79
T39VT6	1.23	0.00	1.02	4.89	0.36	1.70	5.78	0.11	2.04
WKGY8R	1.12	-1.34	0.54	4.57	-0.76	0.36	5.40	-1.02	0.17
XTAQRQ	1.02	-2.49X	1.23	4.01	-2.76X	4.77	4.93	-2.44X	1.49
YUWR9Y	1.20	-0.35	0.37	4.66	-0.47	0.35	5.74	0.00	1.12

Na (SubTestCode 305) in the Cations Property Groups

Data units: mmolc/L

	SRW2007	SRW2008	SRW2009
Grand Median	1.23	4.79	5.74
Median Abs Dev	0.03	0.18	0.18
Avg Within Lab SD	0.03	0.08	0.09
Labs Included	15	15	15
Labs Reporting	16	16	16



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K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED	0.06	0.14	0.80	0.49	0.22	0.47	0.27	-0.06	0.59
6UY9BD	0.06	-0.29	0.80	0.46	-0.54	0.81	0.25	-1.37	0.59
D8YY6H	0.06	0.01	0.16	0.48	0.00	0.27	0.28	0.12	0.08
GDUZX8	0.06	0.25	0.15	0.53	1.50	1.64	0.29	0.98	0.39
LM4YVY	0.04	-1.43	1.82	0.47	-0.23	0.16	0.25	-1.50	0.64
NUEY7R	0.05	-1.05	2.22	0.45	-0.73	1.09	0.24	-2.11	2.64
P4J7LR	0.07	0.57	0.00	0.47	-0.26	0.81	0.28	0.16	0.59
P7ZVHA	0.01	-3.31X	0.00	0.45	-0.91	0.47	0.23	-2.90X	0.00
RF4PP8	0.05	-0.65	0.64	0.52	1.05	0.68	0.28	0.54	0.69
T39VT6	0.06	-0.01	0.30	0.49	0.38	0.45	0.28	0.06	0.42
WKGY8R	0.06	-0.05	0.21	0.51	0.95	0.28	0.27	-0.10	0.12
XTAQRQ	0.08	1.46	1.39	0.42	-1.57	2.46	0.26	-0.76	1.42
YUWR9Y	0.09	2.19	0.04	0.49	0.44	0.68	0.28	0.34	0.84

K (SubTestCode 306) in the Cations Property Groups

Data units: mmolc/L

	SRW2007	SRW2008	SRW2009
Grand Median	0.061	0.48	0.27
Median Abs Dev	0.007	0.02	0.01
Avg Within Lab SD	0.007	0.01	0.01
Labs Included	12	13	12
Labs Reporting	13	13	13



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NH4-N (SubTestCode 307) in the Cations Property Groups										Data units: mmolc/L
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6QYWED	0.030		0.00	0.030		0.00	0.070		1.77	
GDUZX8	0.004		1.73	0.006		1.73	0.069		0.93	
P4J7LR							0.070		0.00	
WKGY8R	0.007		0.00	0.014		0.00	0.057		0.00	

NH4-N (SubTestCode 307) in the Cations Property Groups										Data units: mmolc/L
	SRW2007			SRW2008			SRW2009			
Grand Median		0.007			0.014			0.070		
Median Abs Dev										
Avg Within Lab SD		0.001			0.001			0.006		
Labs Included		3			3			4		
Labs Reporting		3			3			4		



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Sum Cations (SubTestCode 308) in the Cations Property Groups Data units: mmolc/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
GDUZX8	6.6	1.23	1.88	18.0	0.58	1.95	9.7	1.52	0.04
LM4YVY	6.0	-0.48	0.52	10.7	-2.89	0.59	9.0	-0.27	0.54
P4J7LR	6.3	0.26	0.20	16.6	-0.09	0.18	8.8	-0.73	1.11
RF4PP8	6.1	-0.26	1.26	17.0	0.09	0.61	9.2	0.27	1.16
T39VT6	6.5	0.78	0.56	17.2	0.21	1.13	9.2	0.42	1.76
WKGY8R	5.9	-1.04	0.48	16.4	-0.18	0.39	8.8	-0.84	0.13

Sum Cations (SubTestCode 308) in the Cations Property Groups Data units: mmolc/L

	SRW2007	SRW2008	SRW2009
Grand Median	6.21	16.8	9.08
Median Abs Dev	0.20	0.4	0.22
Avg Within Lab SD	0.13	0.2	0.12
Labs Included	6	6	6
Labs Reporting	6	6	6



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SAR (SubTestCode 309) in the Cations Property Groups										Data units:
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	0.70	-1.23	0.00	1.83	-1.90	1.20	3.97	-1.32	0.61	
D8YY6H	0.79	0.50	0.34	2.01	0.00	0.25	4.78	0.73	0.42	
GDUZX8	0.80	0.75	0.00	2.10	0.98	0.00	4.67	0.44	0.61	
NUEY7R	0.46	-5.93X	0.55	0.88	-12.16X	0.32	3.84	-1.65	0.69	
P4J7LR	0.71	-1.03	1.91	1.91	-1.07	2.09	4.42	-0.18	2.12	
RF4PP8	0.79	0.55	0.89	2.07	0.70	0.07	4.75	0.65	0.15	
T39VT6	0.76	0.00	1.41	2.00	-0.05	1.04	4.56	0.18	1.43	
WKGY8R	0.73	-0.66	0.67	2.01	0.02	0.18	4.39	-0.25	0.15	

SAR (SubTestCode 309) in the Cations Property Groups				Data units:
	SRW2007	SRW2008	SRW2009	
Grand Median	0.76	2.01	4.49	
Median Abs Dev	0.03	0.06	0.22	
Avg Within Lab SD	0.01	0.05	0.09	
Labs Included	7	7	8	
Labs Reporting	8	8	8	



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Adj-SAR (SubTestCode 310) in the Cations Property Groups										Data units:
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	0.70		1.10	2.17		1.00	3.33		1.41	
GDUZX8	0.90		0.88	2.53		1.00	4.40		0.00	
RF4PP8	1.49			5.21			6.59			

Adj-SAR (SubTestCode 310) in the Cations Property Groups										Data units:
	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
Grand Median		0.90				2.53				4.40
Median Abs Dev										
Avg Within Lab SD		0.00				0.06				0.08
Labs Included		3				3				3
Labs Reporting		3				3				3



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HCO3 (SubTestCode 311) in the Anions Property Groups Data units: mmolc/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6UY9BD	2.08	-0.38	0.24	5.32	-0.37	0.15	1.21	0.04	0.06
74JYAB	1.93	-0.99	1.60	5.47	-0.12	0.97	1.07	-1.70	1.22
D8YY6H	2.19	0.07	0.08	5.54	0.00	0.17	1.29	1.11	0.25
GDUZX8	2.63	1.90	0.11	6.77	2.06	2.62	1.50	3.69X	0.26
K4CPX4	1.71	-1.93	0.88	4.31	-2.05	0.42	1.14	-0.79	1.80
LM4YVY	2.24	0.27	1.26	5.62	0.14	0.73	1.23	0.37	0.53
P4J7LR	1.92	-1.04	0.24	5.20	-0.57	0.00	1.20	-0.04	0.00
P7ZVHA	2.21	0.14	0.42	5.58	0.06	0.32	1.29	1.12	0.06
RF4PP8	2.17	0.00		5.59	0.08		1.15	-0.67	
T39VT6	2.27	0.40	2.19	6.58	1.74	1.16	1.22	0.24	1.98
WKGY8R	2.10	-0.30	0.00	5.40	-0.23	0.00	1.15	-0.66	0.00

HCO3 (SubTestCode 311) in the Anions Property Groups Data units: mmolc/L

	SRW2007	SRW2008	SRW2009
Grand Median	2.17	5.54	1.20
Median Abs Dev	0.09	0.14	0.05
Avg Within Lab SD	0.07	0.12	0.09
Labs Included	11	11	10
Labs Reporting	11	11	11



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CO3 (SubTestCode 312) in the Anions Property Groups **Data units: mmolc/L**

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
74JYAB							0.10	0.00	0.00
GDUZX8				0.10		1.41	0.05	-0.75	2.00
P4J7LR							0.20	1.46	0.00
RF4PP8							0.13	0.43	
WKGY8R				0.08		0.00	0.05	-0.73	0.00

CO3 (SubTestCode 312) in the Anions Property Groups **Data units: mmolc/L**

	SRW2007			SRW2008			SRW2009		
Grand Median					0.09			0.10	
Median Abs Dev								0.05	
Avg Within Lab SD		0.00			0.03			0.00	
Labs Included		0			2			5	
Labs Reporting		0			2			5	



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CI (SubTestCode 313) in the Anions Property Groups										Data units: mmolc/L
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
6QYWED	0.31	0.97	0.44	1.26	1.18	0.00	0.57	1.12	0.53	
6UY9BD	0.25	-0.49	1.58	1.06	-0.84	1.30	0.43	-0.92	0.81	
74JYAB	0.21	-1.36	0.44	1.16	0.18	0.11	0.49	0.00	0.64	
A2YERB	0.30	0.60	0.44	1.19	0.42	0.44	0.56	0.97	0.53	
AM33J8	0.24	-0.71	0.44	1.03	-1.22	0.11	0.42	-1.07	0.00	
D8YY6H	0.27	-0.04	0.67	1.07	-0.81	0.32	0.47	-0.39	0.39	
GDUZX8	0.22	-0.99	0.81	1.18	0.33	0.82	0.44	-0.84	0.13	
K4CPX4	0.26	-0.30	1.23	1.10	-0.46	0.48	0.47	-0.39	0.82	
LM4YVY	0.27	0.04	0.72	1.15	0.00	0.61	0.56	0.91	0.55	
NUEY7R	0.46	4.17X	2.28	0.95	-2.00	2.32	0.45	-0.63	3.37	
P4J7LR	0.29	0.38	0.44	1.15	0.05	0.00	0.51	0.24	0.31	
RF4PP8	0.26	-0.11	0.01	1.13	-0.18	0.05	0.49	-0.09	0.02	
T39VT6	0.29	0.53	1.07	1.20	0.55	2.32	0.50	0.08	0.13	
WKGY8R	0.35	1.83	0.00	1.26	1.12	0.00	0.59	1.44	0.00	
XTAQRQ	0.32	1.09	2.50	1.07	-0.77	0.99	0.56	1.02	0.86	

CI (SubTestCode 313) in the Anions Property Groups				Data units: mmolc/L
	SRW2007	SRW2008	SRW2009	
Grand Median	0.27	1.15	0.49	
Median Abs Dev	0.03	0.05	0.06	
Avg Within Lab SD	0.01	0.05	0.03	
Labs Included	14	15	15	
Labs Reporting	15	15	15	



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NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED	0.043	1.71	1.15	0.043	-0.24	1.34			
6UY9BD	0.033	0.91	3.04	0.060	0.56	2.32	0.017	0.40	0.35
74JYAB	0.020	-0.15	0.00	0.047	-0.08	1.34	0.010	-0.07	0.00
A2YERB	0.030	0.65	0.00	0.060	0.56	0.00	0.040	2.05	3.13
AM33J8	0.021	-0.04	0.11	0.044	-0.19	0.35	0.010	-0.10	0.07
D8YY6H	0.056	2.68	0.16	0.078	1.45	0.04	0.046	2.48	0.05
GDUZX8	0.013	-0.69	0.05	0.033	-0.72	0.07	0.005	-0.46	0.06
LM4YVY	0.025	0.26	0.79	0.057	0.41	0.47	0.012	0.07	0.06
NUEY7R	0.022	-0.02	0.90	0.016	-1.54	1.64	0.010	-0.10	0.19
P4J7LR	0.010	-0.94	0.00	0.010	-1.85	0.00			
P7ZVHA	0.140	9.39X	0.00	0.237	9.09X	10.70	0.140	9.11X	0.00
RF4PP8	0.022	0.02	0.04	0.057	0.40	0.03	0.022	0.74	0.00
WKGY8R	0.021	-0.04	0.00	0.050	0.08	0.00	0.007	-0.29	0.00

NO3 (SubTestCode 314) in the Anions Property Groups

Data units: mmolc/L

	SRW2007	SRW2008	SRW2009
Grand Median	0.022	0.048	0.011
Median Abs Dev	0.006	0.010	0.005
Avg Within Lab SD	0.005	0.004	0.017
Labs Included	12	12	10
Labs Reporting	13	13	11



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SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED	3.48	-0.48	0.88	9.05	-0.93	0.31	6.87	-0.46	0.78
6UY9BD	3.28	-1.24	0.17	8.82	-1.39	0.32	6.79	-0.62	0.23
74JYAB	3.50	-0.39	0.34	9.25	-0.55	0.29	7.05	-0.12	0.39
A2YERB	3.66	0.21	0.00	9.79	0.51	0.03	7.07	-0.08	0.08
AM33J8	3.70	0.35	1.88	9.55	0.03	2.92	7.34	0.46	2.56
D8YY6H	4.03	1.63	0.19	10.48	1.85	0.18	8.13	2.01	0.67
GDUZX8	3.65	0.15	1.22	9.66	0.24	0.77	7.32	0.41	0.06
LM4YVY	3.64	0.15	0.33	9.61	0.15	1.25	7.36	0.50	0.27
NUEY7R	1.68	-7.27X	0.85	5.14	-8.51X	1.83	3.42	-7.21X	1.51
P4J7LR	3.46	-0.55	0.23	9.47	-0.13	0.31	7.03	-0.16	0.14
RF4PP8	3.57	-0.15	0.02	9.52	-0.03	0.06	7.15	0.08	0.07
T39VT6	4.15	2.05	2.41	10.62	2.11	0.88	8.56	2.85	2.01
WKGY8R	3.41	-0.74	0.20	9.44	-0.18	0.31	6.93	-0.35	0.16
XTAQRQ	14.72	42.09X	6.31	56.32	90.75X	24.06	34.88	54.34X	3.73

SO4 (SubTestCode 315) in the Anions Property Groups

Data units: mmolc/L

	SRW2007	SRW2008	SRW2009
Grand Median	3.60	9.53	7.11
Median Abs Dev	0.12	0.19	0.22
Avg Within Lab SD	0.09	0.23	0.15
Labs Included	12	12	12
Labs Reporting	14	14	14



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Sum Anions (SubTestCode 316) in the Anions Property Groups										Data units: mmolc/L
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
74JYAB	5.7	-0.79	0.75	15.9	-0.36	0.87	8.7	-0.41	0.87	
GDUZX8	6.5	1.06	0.65	17.7	1.48	1.90	9.3	0.69	0.12	
LM4YVY	6.2	0.33	0.59	16.4	0.17	1.08	9.2	0.42	0.16	
P4J7LR	5.7	-0.75	0.19	15.8	-0.46	0.35	8.9	0.00	0.17	
RF4PP8	6.0	0.00		16.3	0.00		8.8	-0.25		
T39VT6	6.7	1.49	2.15	18.4	2.21	0.48	10.3	2.54	2.27	
WKGY8R	5.9	-0.30	0.10	16.2	-0.05	0.35	8.7	-0.40	0.13	
Sum Anions (SubTestCode 316) in the Anions Property Groups										Data units: mmolc/L
	SRW2007			SRW2008			SRW2009			
Grand Median	6.02			16.3			8.94			
Median Abs Dev	0.35			0.3			0.22			
Avg Within Lab SD	0.17			0.2			0.18			
Labs Included	7			7			7			
Labs Reporting	7			7			7			



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Cation-Anion Difference (SubTestCode 317) in the Difference Calculation Property Groups										Data units:
WebCode	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
GDUZX8	0.09	0.15	0.82	0.29	0.03	0.28	0.36	0.74	0.22	
LM4YVY	-0.13	-0.48	0.79	-5.75	-2.89	1.46	-0.19	-0.23	0.54	
P4J7LR	0.61	1.68	0.33	0.72	0.23	0.34	-0.14	-0.15	0.86	
RF4PP8	0.29	0.73		0.60	0.18		0.53	1.03		
T39VT6	-0.25	-0.85	1.87	-1.19	-0.69	1.50	-1.04	-1.75	1.96	
WKGY8R	-0.01	-0.15	0.27	0.17	-0.03	0.65	0.03	0.15	0.29	

Cation-Anion Difference (SubTestCode 317) in the Difference Calculation Property Groups										Data units:
	SRW2007			SRW2008			SRW2009			
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	
Grand Median		0.039			0.23			-0.056		
Median Abs Dev		0.207			0.43			0.275		
Avg Within Lab SD		0.168			0.23			0.118		
Labs Included		6			6			6		
Labs Reporting		6			6			6		



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Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED							0.47	0.35	0.43
74JYAB	0.12	6.09X	0.81	0.25	1.96	1.44	0.52	1.33	1.14
AM33J8	0.06	0.10	2.36	0.17	-0.50	1.64	0.44	-0.18	2.41
D8YY6H	0.06	-0.25	0.36	0.18	0.00	0.36	0.48	0.56	0.55
GDUZX8	0.06	-0.10	0.15	0.15	-1.07	0.01	0.38	-1.35	0.34
LM4YVY	0.05	-1.30	0.16	0.16	-0.88	0.25	0.43	-0.40	0.46
P7ZVHA	0.05	-1.05	0.00	0.15	-1.07	0.00	0.39	-1.10	0.43
RF4PP8	0.07	0.75	0.28	0.19	0.06	1.25	0.43	-0.33	0.10
T39VT6	0.07	0.62	1.46	0.19	0.16	1.52	0.50	0.97	1.32
WKGY8R	0.07	1.24	0.21	0.20	0.38	0.40	0.46	0.18	0.33

Boron (SubTestCode 318) in the Other Property Groups

Data units: mg/L

	SRW2007	SRW2008	SRW2009
Grand Median	0.060	0.18	0.45
Median Abs Dev	0.006	0.02	0.02
Avg Within Lab SD	0.007	0.01	0.01
Labs Included	8	9	10
Labs Reporting	9	9	10



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PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups

Data units: mg/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
GDUZX8	0.03		1.00	0.64		1.00	0.05		1.00

PO4-P Phosphorus - Spec (SubTestCode 319) in the Other Property Groups

Data units: mg/L

	SRW2007	SRW2008	SRW2009
Grand Median	0.035	0.64	0.052
Median Abs Dev			
Avg Within Lab SD	0.000	0.00	0.000
Labs Included	1	1	1
Labs Reporting	1	1	1



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Phosphorus - ICP (Total) (SubTestCode 320) in the Other Property Groups

Data units: mg/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
6QYWED				0.66	0.02	0.11			
GDUZX8	0.05		0.23	0.65	-0.02	0.08	0.08		0.03
LM4YVY				0.02	-3.43				
P7ZVHA				0.70	0.25	0.00	0.13		1.87
RF4PP8	0.04		1.70	0.68	0.17	2.23	0.09		0.72
WKGY8R	0.04		0.25	0.62	-0.16	0.07	0.08		0.05

Phosphorus - ICP (Total) (SubTestCode 320) in the Other Property Groups

Data units: mg/L

	SRW2007	SRW2008	SRW2009
Grand Median	0.039	0.65	0.088
Median Abs Dev		0.03	
Avg Within Lab SD	0.012	0.05	0.031
Labs Included	3	6	4
Labs Reporting	3	6	4



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Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups

Data units: mg/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
GDUZX8	10.1		1.00	26.1		1.00	19.7		1.00

Nitrogen Combustion (Total) (SubTestCode 322) in the Other Property Groups

Data units: mg/L

	SRW2007	SRW2008	SRW2009
Grand Median	10.1	26.1	19.7
Median Abs Dev			
Avg Within Lab SD	0.7	0.6	1.0
Labs Included	1	1	1
Labs Reporting	1	1	1



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Total Organic Carbon (SubTestCode 323) in the Other Property Groups Data units: mg/L

WebCode	SRW2007			SRW2008			SRW2009		
	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score	Sample Mean	Z Score	k Score
GDUZX8	40.4		1.00	115.9		1.00	28.2		1.00

Total Organic Carbon (SubTestCode 323) in the Other Property Groups Data units: mg/L

	SRW2007	SRW2008	SRW2009
Grand Median	40.4	115.9	28.2
Median Abs Dev			
Avg Within Lab SD	0.7	0.3	1.4
Labs Included	1	1	1
Labs Reporting	1	1	1



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