Method PT For All Labs

Magruder Fertilizer Proficiency Testing Program

 # Methods: 51

Sample # 240911

Regular PT Scheme

 # Labs Reporting: 66

Urea + Inhibitor

Statistical Summary

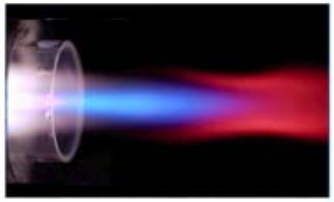
Issue Date : 10/31/2024

Method Code	Analyte & Method Sample # 240911	# Tests Submitted	# Tests in Robust Calculations	Raw Mean	Raw SD	Assigned Value Robust Mean	IA at Method Value	Robust sd	Robust Uncertainty (U)	Robust % RSD	Method IA Ratio	Average Range (R-bar)	Horwitz %RSD
001.99	Ammoniacal N, Other (%)	1		0.5358									
003.10	Water Insoluble N, Method I (%)	2	2	0.9700	1.025								
005.00	Urea N, Urease (as N) (%)	3	3	36.09	16.41	36.09		16.41	11.84	45.47%		1.127	1.66%
005.10	Urea N, HPLC(asN),H2Omobilephase (%)	1		43.81									
005.20	Urea N, HPLC(asN),85%acetonitrilemobilephase (%)	1		44.25									
005.99	Urea N, Other (%)	10	10	45.54	0.5210	45.63		0.3289	0.1300	0.72%		0.0600	1.48%
006.99	Biuret N, Other (%)	2	2	0.9725	0.1237								
007.99	Urea, Other (%)	1		45.91									
008.10	Biuret, Spectrophotometric (as Biuret) (%)	4	4	0.9765	0.0664	0.9765		0.0664	0.0415	6.80%		0.0594	4.01%
008.99	Biuret, Other (%)	2	2	1.870	1.138								
010.11	Total N, Modified Comprehensive (46%)	2	2	46.12	0.4507								
010.12	Total N, Salicylic (46%)	1		46.29									
010.60	Total N, Combustion (46%)	47	46	46.40	0.5125	46.39	0.8800	0.4868	0.0897	1.05%	1.29	0.2236	1.47%
010.99	Total N, Other (46%)	13	13	46.02	0.3687	46.08	0.8800	0.2456	0.0851	0.53%	0.65	0.1150	1.47%
020.50	Total P2O5, ICP (%)	3	2	0.0148	0.0173	0.0222		0.0165	0.0146	74.46%		0.0027	7.10%
041.21	Direct Available P2O5, Spectrophotometric, Citrate-EDTA Ext.	1		0.1080									
050.50	Soluble K2O, ICP (Oxalate) (%)	1		0.0599									
050.52	Soluble K2O, ICP (Citrate-EDTA) (%)	1		0.1345									
050.99	Soluble K2O, Other (%)	2	2	0.0296	0.0360								
060.00	Water (Free), Vacuum Oven (%)	2	2	0.2850	0.0071								
060.20	Water (Free), Karl Fischer (%)	4	4	0.3969	0.1221	0.3969		0.1221	0.0763	30.76%		0.0290	4.60%
060.99	Water (Free), Other (%)	3	3	0.5070	0.4480	0.5070		0.4480	0.3233	88.36%		0.0014	4.43%
101.30	Acid Soluble Ca, ICP, test portion inorganic 965.09 (%)	1		0.1050									
101.32	Acid Soluble Ca, ICP, test portion 2006.03A-C (%)	1		0.5000									
121.30	Acid Soluble Mg, ICP, test portion inorganic 965.09 (%)	1		0.0100									
121.32	Acid Soluble Mg, ICP, test portion 2006.03A-C (%)	1		0.0050									
121.99	Acid Soluble Mg, Other (%)	1		0.0014									
148.99	Total S, Other (%)	2	1	0.0175	0.0248								
149.04	S - HNO3 soluble, ICP (%)	2	1	0.0336	0.0232								

Method Code	Analyte & Method Sample # 240911	# Tests Submitted	# Tests in Robust Calculations	Raw Mean	Raw SD	Assigned Value Robust Mean	IA at Method Value	Robust sd	Robust Uncertainty (U)	Robust % RSD	Method IA Ratio	Average Range (R-bar)	Horwitz %RSD
151.30	Acid Soluble As, ICP (ppm)	2	1	3.100	4.384								
165.30	Acid Soluble B, ICP, test portion in 982.01 (%)	1		0.0100									
181.30	Acid Soluble Cd, ICP (ppm)	2	1	0.9276	1.304								
191.30	Acid Soluble Cr, ICP (ppm)	2	1	0.7797	0.5944								
202.30	Acid Soluble Co, ICP (ppm)	1		0.0559									
221.30	Acid Soluble Cu, ICP, test portion inorganic 965.09 (%)	1		0.0100									
241.30	Acid Soluble Fe, ICP, test portion inorganic 965.09 (%)	1		0.1000									
241.99	Acid Soluble Fe, Other (%)	1		0.0007									
251.30	Acid Soluble Pb, ICP (ppm)	2	1	2.530	3.493								
261.30	Acid Soluble Mn, ICP, test portion 972.02a (%)	1		0.0100									
281.30	Acid Soluble Hg, ICP (ppm)	1		1.250									
281.99	Acid Soluble Hg, Other (ppm)	1		0.0015									
289.30	Acid Soluble Mo, ICP (ppm)	1		0.0223									
291.30	Acid Soluble Ni, ICP (ppm)	2	1	1.324	1.522								
301.30	Acid Soluble Se, ICP (ppm)	2	1	0.8280	1.162								
311.33	Sodium, ICP, test portion as in 2017.02 (%)	1		0.0050									
311.99	Sodium, Other (%)	1		0.0350									
321.30	Acid Soluble Zn, ICP, test portion inorganic 965.09 (%)	1		0.0100									
321.99	Acid Soluble Zn, Other (%)	1		0.0001									
461.99	NBPT (N-(n-Butyl) thiophosphoric triamide, Other (%)	1		0.0175									
471.00	DDC (Dicyandiamide), HPLC (%)	1		0.8400									
471.99	DDC (Dicyandiamide), Other (%)	1		0.7300									

The Method IA Ratio = 2.33 * Robust SD / IA at the Method Assigned Value. IA ratios of 1 and less indicate participant data dispersion is as good or less than the IA. Red indicates the IA ratio is significantly greater than 1, Orange indicates marginally greater than 1, Green indicates IA ratio is not significantly greater than 1 and Grey indicates < 6 labs reporting. The Horwitz %RSD is calculated usin the Thompson Modification, Analyst,2000,125,385-386.



Method PT For All Labs

Magruder Fertilizer Proficiency Testing Program

Sample # 240911

Regular PT Scheme

Urea + Inhibitor

Method Precision Report

Issue Date : 10/31/2024

Method Code	Analyte & Method	# Tests Submitted	# Tests Used in Precision Calcs	Mean	SD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr
005.99	Urea N, Other (%)	10	9	45.69	0.2503	0.2488	0.0387	0.2518	0.54%	0.08%	0.55%	6.510
010.60	Total N, Combustion (46%)	47	44	46.41	0.4478	0.4189	0.2241	0.4751	0.90%	0.48%	1.02%	2.120
010.99	Total N, Other (46%)	13	12	46.11	0.1944	0.1779	0.1109	0.2096	0.39%	0.24%	0.45%	1.890

Notes: Precision data calculated when 5 or more Tests included.

Method PT For All Labs

Magruder Fertilizer Proficiency Testing Program

 # Methods: 51

Sample # 240911

Regular PT Scheme

 # Labs Reporting: 66

Urea + Inhibitor

Lab Values

Issue Date : 10/31/2024

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		*Robust Method Values			# Tests	Magruder PT Z Score	Method IA Status	Flag
			Value	Range	Rob Mean	Rob SD	Rob R-bar				
001.99	Ammoniacal N, Other (%)	0524	0.5358	0.0015				1			0
003.10	Water Insoluble N, Method I (%)	0220	0.2450	0.0300				2			0
003.10	Water Insoluble N, Method I (%)	0136	1.695	0.2100				2			0
005.00	Urea N, Urease (as N) (%)	0136	17.15	2.220	36.09	16.41	1.127	3	-1.15		0
005.00	Urea N, Urease (as N) (%)	0368	45.02	0.0339	36.09	16.41	1.127	3	0.54		0
005.00	Urea N, Urease (as N) (%)	0619	46.09	0.0000	36.09	16.41	1.127	3	0.61		0
005.10	Urea N, HPLC(asN),H2Omobilephase (%)	0394	43.81	0.0400				1			0
005.20	Urea N, HPLC(asN),85%acetonitrilemobilephase (%)	0451	44.25	1.500				1			0
005.99	Urea N, Other (%)	0029	44.22	0.2000	45.63	0.3289	0.0600	10	**-3.99**	NA	0
005.99	Urea N, Other (%)	0405	45.40	0.0800	45.63	0.3289	0.0600	10	**-0.66**	NA	0
005.99	Urea N, Other (%)	0626	45.49	0.0600	45.63	0.3289	0.0600	10	**-0.40**	NA	0
005.99	Urea N, Other (%)	0538	45.50	0.0200	45.63	0.3289	0.0600	10	**-0.38**	NA	0
005.99	Urea N, Other (%)	0524	45.51	0.0577	45.63	0.3289	0.0600	10	**-0.34**	NA	0
005.99	Urea N, Other (%)	0027	45.68	0.0700	45.63	0.3289	0.0600	10	**0.12**	NA	0
005.99	Urea N, Other (%)	0605	45.69	0.0300	45.63	0.3289	0.0600	10	**0.15**	NA	0
005.99	Urea N, Other (%)	0638	45.81	0.0700	45.63	0.3289	0.0600	10	**0.49**	NA	0
005.99	Urea N, Other (%)	0549	46.00	0.0500	45.63	0.3289	0.0600	10	**1.02**	NA	0
005.99	Urea N, Other (%)	0619	46.14	0.0000	45.63	0.3289	0.0600	10	**1.43**	NA	0
006.99	Biuret N, Other (%)	0626	0.8850	0.0300				2			0
006.99	Biuret N, Other (%)	0481	1.060	0.0000				2			0
007.99	Urea, Other (%)	0537	45.91	0.1400				1			0
008.10	Biuret, Spectrophotometric (as Biuret) (%)	0405	0.8800	0.0400	0.9765	0.0664	0.0594	4	-1.45		0
008.10	Biuret, Spectrophotometric (as Biuret) (%)	0513	0.9900	0.0000	0.9765	0.0664	0.0594	4	0.20		0
008.10	Biuret, Spectrophotometric (as Biuret) (%)	0510	1.006	0.0782	0.9765	0.0664	0.0594	4	0.44		0
008.10	Biuret, Spectrophotometric (as Biuret) (%)	0517	1.030	0.0600	0.9765	0.0664	0.0594	4	0.81		0
008.99	Biuret, Other (%)	0220	1.065	0.0500				2			0
008.99	Biuret, Other (%)	0394	2.675	0.0100				2			0
010.11	Total N, Modified Comprehensive (46%)	0531	45.80	0.2000				2			0
010.11	Total N, Modified Comprehensive (46%)	0510	46.44	0.2062				2			0
010.12	Total N, Salicylic (46%)	0619	46.29	0.0000				1			0
010.60	Total N, Combustion (46%)	0055	45.53	0.4600	46.39	0.4868	0.2236	46	**-1.77**	OK	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		*Robust Method Values			# Tests	Magruder PT Z Score	Method IA Status	Flag
			Value	Range	Rob Mean	Rob SD	Rob R-bar				
010.60	Total N, Combustion (46%)	0043	45.64	0.1800	46.39	0.4868	0.2236	46	-1.55	OK	0
010.60	Total N, Combustion (46%)	0485	45.65	1.100	46.39	0.4868	0.2236	46	-1.53	OK	0
010.60	Total N, Combustion (46%)	0042	45.76	0.5500	46.39	0.4868	0.2236	46	-1.31	OK	0
010.60	Total N, Combustion (46%)	0423	45.76	0.1600	46.39	0.4868	0.2236	46	-1.30	OK	0
010.60	Total N, Combustion (46%)	0521	45.80	0.0000	46.39	0.4868	0.2236	46	-1.22	OK	0
010.60	Total N, Combustion (46%)	0086	45.89	0.4010	46.39	0.4868	0.2236	46	-1.03	OK	0
010.60	Total N, Combustion (46%)	0389	45.92	0.0900	46.39	0.4868	0.2236	46	-0.98	OK	0
010.60	Total N, Combustion (46%)	0588	46.00	0.8000	46.39	0.4868	0.2236	46	-0.81	OK	0
010.60	Total N, Combustion (46%)	0234	46.04	0.0300	46.39	0.4868	0.2236	46	-0.74	OK	0
010.60	Total N, Combustion (46%)	0472	46.13	0.0100	46.39	0.4868	0.2236	46	-0.55	OK	0
010.60	Total N, Combustion (46%)	0354	46.15	0.1000	46.39	0.4868	0.2236	46	-0.50	OK	0
010.60	Total N, Combustion (46%)	0136	46.16	0.5500	46.39	0.4868	0.2236	46	-0.49	OK	0
010.60	Total N, Combustion (46%)	0073	46.17	0.1100	46.39	0.4868	0.2236	46	-0.47	OK	0
010.60	Total N, Combustion (46%)	0177	46.18	0.1400	46.39	0.4868	0.2236	46	-0.44	OK	0
010.60	Total N, Combustion (46%)	0292	46.20	0.0500	46.39	0.4868	0.2236	46	-0.41	OK	0
010.60	Total N, Combustion (46%)	0231	46.21	0.0100	46.39	0.4868	0.2236	46	-0.39	OK	0
010.60	Total N, Combustion (46%)	0102	46.25	0.0500	46.39	0.4868	0.2236	46	-0.31	OK	0
010.60	Total N, Combustion (46%)	0034	46.25	0.1000	46.39	0.4868	0.2236	46	-0.30	OK	0
010.60	Total N, Combustion (46%)	0291	46.29	0.0100	46.39	0.4868	0.2236	46	-0.22	OK	0
010.60	Total N, Combustion (46%)	0023	46.29	0.1450	46.39	0.4868	0.2236	46	-0.22	OK	0
010.60	Total N, Combustion (46%)	0169	46.31	0.0200	46.39	0.4868	0.2236	46	-0.17	OK	0
010.60	Total N, Combustion (46%)	0543	46.33	0.1900	46.39	0.4868	0.2236	46	-0.14	OK	0
010.60	Total N, Combustion (46%)	0040	46.40	0.0000	46.39	0.4868	0.2236	46	0.01	OK	0
010.60	Total N, Combustion (46%)	0027	46.41	0.4500	46.39	0.4868	0.2236	46	0.02	OK	0
010.60	Total N, Combustion (46%)	0029	46.42	0.4200	46.39	0.4868	0.2236	46	0.05	OK	0
010.60	Total N, Combustion (46%)	0405	46.43	0.0000	46.39	0.4868	0.2236	46	0.07	OK	0
010.60	Total N, Combustion (46%)	0220	46.46	0.0400	46.39	0.4868	0.2236	46	0.14	OK	0
010.60	Total N, Combustion (46%)	0451	46.50	0.2000	46.39	0.4868	0.2236	46	0.22	OK	0
010.60	Total N, Combustion (46%)	0106	46.51	0.1300	46.39	0.4868	0.2236	46	0.23	OK	0
010.60	Total N, Combustion (46%)	0035	46.55	0.3000	46.39	0.4868	0.2236	46	0.32	OK	0
010.60	Total N, Combustion (46%)	0324	46.55	0.7000	46.39	0.4868	0.2236	46	0.32	OK	0
010.60	Total N, Combustion (46%)	0494	46.71	0.0100	46.39	0.4868	0.2236	46	0.64	OK	0
010.60	Total N, Combustion (46%)	0527	46.71	0.1070	46.39	0.4868	0.2236	46	0.64	OK	0
010.60	Total N, Combustion (46%)	0131	46.74	0.4030	46.39	0.4868	0.2236	46	0.70	OK	0
010.60	Total N, Combustion (46%)	0368	46.80	0.2250	46.39	0.4868	0.2236	46	0.83	OK	0
010.60	Total N, Combustion (46%)	0481	46.82	0.0400	46.39	0.4868	0.2236	46	0.87	OK	0
010.60	Total N, Combustion (46%)	0377	46.83	0.1200	46.39	0.4868	0.2236	46	0.90	OK	0
010.60	Total N, Combustion (46%)	0260	46.86	0.3500	46.39	0.4868	0.2236	46	0.95	OK	0
010.60	Total N, Combustion (46%)	0230	46.90	0.8000	46.39	0.4868	0.2236	46	1.04	OK	0
010.60	Total N, Combustion (46%)	0072	46.91	0.2800	46.39	0.4868	0.2236	46	1.06	OK	0
010.60	Total N, Combustion (46%)	0307	47.12	0.0200	46.39	0.4868	0.2236	46	1.49	OK	0
010.60	Total N, Combustion (46%)	0422	47.14	0.0200	46.39	0.4868	0.2236	46	1.53	OK	0
010.60	Total N, Combustion (46%)	0255	47.37	0.7080	46.39	0.4868	0.2236	46	2.00	High	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		*Robust Method Values			# Tests	Magruder PT Z Score	Method IA Status	Flag
			Value	Range	Rob Mean	Rob SD	Rob R-bar				
010.60	Total N, Combustion (46%)	0049	47.51	0.1400	46.39	0.4868	0.2236	46	2.29	High	0
010.60	Total N, Combustion (46%)	0542	47.87	0.2300	46.39	0.4868	0.2236	46	3.02	High	0
010.60	Total N, Combustion (46%)	0095	45.54	1.370	46.39	0.4868	0.2236	46	-1.76	OK	1
010.99	Total N, Other (46%)	0524	44.96	0.0640	46.08	0.2456	0.1150	13	-4.55	Low	0
010.99	Total N, Other (46%)	0531	45.80	0.2000	46.08	0.2456	0.1150	13	-1.15	OK	0
010.99	Total N, Other (46%)	0600	45.88	0.1500	46.08	0.2456	0.1150	13	-0.84	OK	0
010.99	Total N, Other (46%)	0481	45.97	0.3600	46.08	0.2456	0.1150	13	-0.45	OK	0
010.99	Total N, Other (46%)	0558	45.97	0.0079	46.08	0.2456	0.1150	13	-0.45	OK	0
010.99	Total N, Other (46%)	0538	46.01	0.0500	46.08	0.2456	0.1150	13	-0.31	OK	0
010.99	Total N, Other (46%)	0518	46.10	0.2000	46.08	0.2456	0.1150	13	0.08	OK	0
010.99	Total N, Other (46%)	0444	46.15	0.1000	46.08	0.2456	0.1150	13	0.28	OK	0
010.99	Total N, Other (46%)	0565	46.18	0.0500	46.08	0.2456	0.1150	13	0.38	OK	0
010.99	Total N, Other (46%)	0513	46.22	0.0900	46.08	0.2456	0.1150	13	0.54	OK	0
010.99	Total N, Other (46%)	0619	46.29	0.0000	46.08	0.2456	0.1150	13	0.85	OK	0
010.99	Total N, Other (46%)	0559	46.40	0.0100	46.08	0.2456	0.1150	13	1.28	OK	0
010.99	Total N, Other (46%)	0517	46.40	0.2000	46.08	0.2456	0.1150	13	1.30	OK	0
020.50	Total P2O5, ICP (%)	0588	0.0105	0.0050				2			0
020.50	Total P2O5, ICP (%)	0524	0.0339	0.0003				2			0
020.50	Total P2O5, ICP (%)	0422	0.0000	0.0000				2			4
041.21	Direct Available P2O5, Spectrophotometric, Citrate-EDTA Ext. (	0354	0.1080	0.0000				1			0
050.50	Soluble K2O, ICP (Oxalate) (%)	0422	0.0599	0.0041				1			0
050.52	Soluble K2O, ICP (Citrate-EDTA) (%)	0354	0.1345	0.0090				1			0
050.99	Soluble K2O, Other (%)	0524	0.0041	0.0002				2			0
050.99	Soluble K2O, Other (%)	0588	0.0550	0.0540				2			0
060.00	Water (Free), Vacuum Oven (%)	0220	0.2800	0.0200				2			0
060.00	Water (Free), Vacuum Oven (%)	0405	0.2900	0.0000				2			0
060.20	Water (Free), Karl Fischer (%)	0394	0.2600	0.0000	0.3969	0.1221	0.0290	4	-1.12		0
060.20	Water (Free), Karl Fischer (%)	0234	0.3500	0.0600	0.3969	0.1221	0.0290	4	-0.38		0
060.20	Water (Free), Karl Fischer (%)	0517	0.4300	0.0200	0.3969	0.1221	0.0290	4	0.27		0
060.20	Water (Free), Karl Fischer (%)	0513	0.5475	0.0070	0.3969	0.1221	0.0290	4	1.23		0
060.99	Water (Free), Other (%)	0136	0.2000	0.0000	0.5070	0.4480	0.0014	3	-0.69		0
060.99	Water (Free), Other (%)	0626	0.3000	0.0000	0.5070	0.4480	0.0014	3	-0.46		0
060.99	Water (Free), Other (%)	0510	1.021	0.0014	0.5070	0.4480	0.0014	3	1.15		0
101.30	Acid Soluble Ca, ICP, test portion inorganic 965.09 (%)	0354	0.1050	0.0100				1			0
101.32	Acid Soluble Ca, ICP, test portion 2006.03A-C (%)	0423	< 0.5					0			5
121.30	Acid Soluble Mg, ICP, test portion inorganic 965.09 (%)	0354	0.0100	0.0000				1			0
121.32	Acid Soluble Mg, ICP, test portion 2006.03A-C (%)	0423	< 0.005					0			5
121.99	Acid Soluble Mg, Other (%)	0524	0.0014	0.0000				1			0
148.99	Total S, Other (%)	0354	0.0350	0.0500				1			0
148.99	Total S, Other (%)	0422	0.0000	0.0000				1			4
149.04	S - HNO3 soluble, ICP (%)	0524	0.0173	0.0031				1			0
149.04	S - HNO3 soluble, ICP (%)	0423	< 0.05					1			5
151.30	Acid Soluble As, ICP (ppm)	0524	0.0007	0.0006				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		*Robust Method Values			# Tests	Magruder PT Z Score	Method IA Status	Flag
			Value	Range	Rob Mean	Rob SD	Rob R-bar				
151.30	Acid Soluble As, ICP (ppm)	0605	< 6.2					1			5
165.30	Acid Soluble B, ICP, test portion in 982.01 (%)	0354	0.0100	0.0000				1			0
181.30	Acid Soluble Cd, ICP (ppm)	0524	0.0052	0.0000				1			0
181.30	Acid Soluble Cd, ICP (ppm)	0605	< 1.85					1			5
191.30	Acid Soluble Cr, ICP (ppm)	0524	0.3595	0.0023				1			0
191.30	Acid Soluble Cr, ICP (ppm)	0605	< 1.2					1			5
202.30	Acid Soluble Co, ICP (ppm)	0524	0.0559	0.0116				1			0
221.30	Acid Soluble Cu, ICP, test portion inorganic 965.09 (%)	0354	< 0.01					0			5
241.30	Acid Soluble Fe, ICP, test portion inorganic 965.09 (%)	0354	0.1000	0.0600				1			0
241.99	Acid Soluble Fe, Other (%)	0524	0.0007	0.0000				1			0
251.30	Acid Soluble Pb, ICP (ppm)	0524	0.0605	0.0681				1			0
251.30	Acid Soluble Pb, ICP (ppm)	0605	< 5					1			5
261.30	Acid Soluble Mn, ICP, test portion 972.02a (%)	0354	< 0.01					0			5
281.30	Acid Soluble Hg, ICP (ppm)	0605	< 1.25					0			5
281.99	Acid Soluble Hg, Other (ppm)	0524	0.0015	0.0002				1			0
289.30	Acid Soluble Mo, ICP (ppm)	0524	0.0223	0.0153				1			0
291.30	Acid Soluble Ni, ICP (ppm)	0524	0.2475	0.0442				1			0
291.30	Acid Soluble Ni, ICP (ppm)	0605	< 2.4					1			5
301.30	Acid Soluble Se, ICP (ppm)	0524	0.0060	0.0052				1			0
301.30	Acid Soluble Se, ICP (ppm)	0605	< 1.65					1			5
311.33	Sodium, ICP, test portion as in 2017.02 (%)	0423	< 0.005					0			5
311.99	Sodium, Other (%)	0354	0.0350	0.0300				1			0
321.30	Acid Soluble Zn, ICP, test portion inorganic 965.09 (%)	0354	< 0.01					0			5
321.99	Acid Soluble Zn, Other (%)	0524	0.0001	0.0000				1			0
461.99	NBPT (N-(n-Butyl) thiophosphoric triamide, Other (%)	0626	0.0175	0.0010				1			0
471.00	DDC (Dicyandiamide), HPLC (%)	0444	0.8400	0.0200				1			0
471.99	DDC (Dicyandiamide), Other (%)	0626	0.7300	0.0200				1			0

Interpreting Z Scores and Flags:

Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = rejected for duplicates too far apart, 2 = rejected as extreme outlier, 3 = removed from stats, 4 = rejected due to 0s submitted and 5 = LOD. A 9 flag indicates a data problem - scores not calculated.

Notes:

*Robust statistics not used if < 6 labs used in calculations, in this case Values and Z Scores are grayed out and should be interpreted with extreme caution. Identical duplicates not included in calculation of Rob R-bar. IA Status describes where your result is relative to the Assigned Value ± IA. Red indicates Higher or Lower and Green indicates within the IA range about the Robust mean. Method codes in light green indicate a guaranteed analyte. Individual lab values may be below detection limits but are reported solely for