MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Method	AOAC Ref.	Method Code	- Pass 1 Results for 80 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 80 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	7	5.3143	0.0972	0.0190	7	5.3143	0.0972	0.0190
Ammoniacal Nitrogen, Other		001.99	9	5.2959	0.1024	0.0835	9	5.2959	0.1024	0.0835
Method Group 001.XX PCT			16	5.3040	0.0990	0.0553	15	5.3032	0.0992	0.0463
Nitrate Nitrogen, Robertson	930.01	002.10	1	19.180	0.0283	0.0400	1	19.180	0.0283	0.0400
Ammon & Nitrate N, Devarda	892.01	009.10	7	5.4049	0.1354	0.0427	7	5.4049	0.1354	0.0427
Total Nitrogen, Reduced Iron		010.10	2	5.5350	0.0854	0.0500	2	5.5350	0.0854	0.0500
Total Nitrogen, Modified Comprehensive	978.02	010.11	8	5.4181	0.0337	0.0288	8	5.4181	0.0337	0.0288
Total Nitrogen, Salicylic	955.04D	010.12	7	5.4269	0.0506	0.0330	6	5.4276	0.0496	0.0199
Total Nitrogen, Raney	970.03	010.16	1	5.3200	0.0141	0.0200	1	5.3200	0.0141	0.0200
Total Nitrogen, Comprehensive	970.02	010.17	1	5.4500	0.0990	0.1400	1	5.4500	0.0990	0.1400
Total Nitrogen, Combustion		010.60	37	5.4599	0.1031	0.0513	35	5.4680	0.0939	0.0460
Total Nitrogen, Other		010.99	3	5.5262	0.1450	0.0390	3	5.5262	0.1450	0.0390
Method Group 010.XX PCT			59	5.4537	0.0965	0.0464	57	5.4585	0.0908	0.0429
Total Phosphate, Grav Quimociac	962.02	020.10	7	18.795	0.1357	0.1329	7	18.795	0.1357	0.1329
Total Phosphate, Spectrometric	958.01	020.20	26	18.912	0.3230	0.0890	25	18.932	0.3097	0.0762
Total Phosphate, Alka. Quimociac	969.02	020.30	1	18.965	0.1122	0.1587	1	18.965	0.1122	0.1587
Total Phosphate, Automated	978.01	020.40	4	18.571	0.4357	0.0675	4	18.571	0.4357	0.0675
Total Phosphate, ICP		020.50	4	18.924	0.5207	0.3712	4	18.557	0.8038	0.0712
Total Phosphate, Other		020.99	2	18.500	0.3507	0.0900	2	18.500	0.3507	0.0900
Method Group 020.XX PCT			45	18.827	0.3673	0.1231	43	18.835	0.3554	0.0895
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	1	0.2950	0.0212	0.0300	1	0.2950	0.0212	0.0300
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.2350	0.0071	0.0100	1	0.2350	0.0071	0.0100
Insoluble Phosphate, Automated	978.01	030.40	3	0.2700	0.0341	0.0533	3	0.2700	0.0341	0.0533
Method Group 030.XX PCT			5	0.2680	0.0333	0.0400	5	0.2680	0.0333	0.0400
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	18.615	0.0071	0.0100	1	18.615	0.0071	0.0100
InDir Available Phosphate, Spectrometri	960.02	040.20	3	18.303	0.3297	0.1400	3	18.303	0.3297	0.1400
InDir Available Phosphate, Automated ..	960.02	040.40	2	18.023	0.4880	0.0150	2	18.023	0.4880	0.0150
InDir Available Phosphate, Other		040.99	1	18.640	0.1131	0.1600	1	18.640	0.1131	0.1600
Method Group 040.XX PCT			7	18.316	0.3927	0.0886	7	18.316	0.3927	0.0886
Dir Available Phosphate, Grav Quim	960.03E	041.10	12	18.678	0.0995	0.0403	12	18.678	0.0995	0.0403
Dir Available Phosphate, Spectrometric	960.03D	041.20	3	18.732	0.2253	0.0900	3	18.732	0.2253	0.0900
Dir Available Phosphate, Alka. Quim ...	960.03C	041.30	1	18.420	0.0000	0.0000	1	18.420	0.0000	0.0000
Dir Available Phosphate, Automated	978.01	041.40	4	18.518	0.2192	0.0550	4	18.518	0.2192	0.0550
Dir Available Phosphate, ICP		041.50	6	18.872	0.1550	0.1067	6	18.872	0.1550	0.1067
Dir Available Phosphate, EDTA Extract .	993.01	041.60	12	18.800	0.2476	0.0774	12	18.800	0.2476	0.0774
Method Group 041.XX PCT			42	18.720	0.2569	0.0890	40	18.746	0.2254	0.0680
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	14.957	0.4405	0.1333	3	14.957	0.4405	0.1333
Water Soluble Phosphate, Other		048.99	1	15.345	0.0212	0.0300	1	15.345	0.0212	0.0300
Method Group 048.XX PCT			4	15.054	0.4135	0.1075	4	15.054	0.4135	0.1075

Method	AOAC Ref.	Method Code	- Pass 1 Results for 80 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 80 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Soluble Potash, STPB Oxalate	958.02	050.00	24	21.214	0.2434	0.0802	23	21.220	0.2416	0.0633
Soluble Potash, STPB Citrate	969.04	050.10	2	21.231	0.2864	0.2940	2	21.231	0.2864	0.2940
Soluble Potash, AA (Oxalate)		050.30	10	20.927	0.8573	0.1917	10	20.927	0.8573	0.1917
Soluble Potash, AA (Citrate)		050.31	1	21.475	0.0354	0.0500	1	21.475	0.0354	0.0500
Soluble Potash, ICP (Oxalate)		050.50	3	21.437	0.5987	0.0945	3	21.437	0.5987	0.0945
Soluble Potash, ICP (Citrate)		050.51	6	21.102	0.3935	0.1300	6	21.102	0.3935	0.1300
Soluble Potash, Flame (Oxalate)	983.02(a	050.60	7	21.177	0.5576	0.0455	7	21.177	0.5576	0.0455
Soluble Potash, Flame (Citrate)	983.02(b	050.61	5	21.590	0.3684	0.1040	5	21.590	0.3684	0.1040
Soluble Potash, Other		050.99	13	21.273	0.5008	0.2636	12	21.187	0.3961	0.2114
Method Group 050.XX PCT			72	21.197	0.5140	0.1367	64	21.166	0.4606	0.0844
Free Water, Vacuum Oven	965.08B	060.00	7	0.7769	0.0926	0.0390	7	0.7769	0.0926	0.0390
Free Water, Other		060.99	1	0.8200	0.0000	0.0000	1	0.8200	0.0000	0.0000
Method Group 060.XX PCT			8	0.7823	0.0874	0.0341	8	0.7823	0.0874	0.0341
Acid Soluble Calcium, ICP		101.30	7	11.737	0.3779	0.1250	7	11.737	0.3779	0.1250
Acid Soluble Calcium, Titrimetric	945.03	101.70	1	11.005	0.0495	0.0700	1	11.005	0.0495	0.0700
Method Group 101.XX PCT			8	11.646	0.4319	0.1181	8	11.646	0.4319	0.1181
Acid Soluble Magnesium, ICP		121.30	7	0.2982	0.0236	0.0073	7	0.2982	0.0236	0.0073
Method Group 121.XX PCT			7	0.2982	0.0236	0.0073	7	0.2982	0.0236	0.0073
Water Soluble Magnesium, AA		131.00	1	0.2350	0.0071	0.0100	1	0.2350	0.0071	0.0100
Sulfur, Gravimetric	980.02a	144.01	1	0.5385	0.0049	0.0070	1	0.5385	0.0049	0.0070
Sulfur, Gravimetric	980.02b	144.02	1	0.5650	0.0071	0.0100	1	0.5650	0.0071	0.0100
Sulfur, Other		144.99	4	0.6327	0.0578	0.0119	4	0.6327	0.0578	0.0119
Method Group 144.XX PCT			6	0.6057	0.0615	0.0108	6	0.6057	0.0615	0.0108
Arsenic, Atomic Absorption		151.00	1	3.3850	0.0354	0.0500	1	3.3850	0.0354	0.0500
Arsenic, ICP		151.30	3	3.0523	0.5275	0.5290	3	3.0523	0.5275	0.5290
Arsenic, Other		151.99	2	3.2250	0.5188	0.5500	2	3.2250	0.5188	0.5500
Method Group 151.XX PPM			6	3.1653	0.4659	0.4562	6	3.1653	0.4659	0.4562
Acid Soluble Boron, Other		165.99	1	0.0143	0.0001	0.0001	1	0.0143	0.0001	0.0001
Cadmium, Atomic Absorption		181.00	2	3.2500	0.5000	0.5000	2	3.2500	0.5000	0.5000
Cadmium, ICP		181.30	9	2.4580	0.4879	0.1221	8	2.3965	0.4745	0.0749
Cadmium, Other		181.99	3	2.6400	0.4865	0.0673	3	2.6400	0.4865	0.0673
Method Group 181.XX PPM			14	2.6101	0.5457	0.1644	13	2.5417	0.4831	0.1001
Water Soluble Chlorine, Other		190.99	1	16.609	0.0869	0.1229	1	16.609	0.0869	0.1229
Chromium, Atomic Absorption		191.00	1	44.000	1.4142	2.0000	1	44.000	1.4142	2.0000
Chromium, ICP		191.30	7	29.593	3.0112	1.3285	7	29.593	3.0112	1.3285
Method Group 191.XX PPM			8	31.394	5.6753	1.4124	8	31.394	5.6753	1.4124
Acid Soluble Cobalt, AA		202.00	1	5.5000	0.7071	1.0000	1	5.5000	0.7071	1.0000
Acid Soluble Cobalt, ICP	965.11	202.30	9	3.3733	1.8315	0.3961	8	2.9388	1.3462	0.1581
Acid Soluble Cobalt, Other		202.99	1	3.0000	0.0000	0.0000	1	3.0000	0.0000	0.0000

Method	AOAC Ref.	Method Code	- Pass 1 Results for 80 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 80 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 202.XX PPM			11	3.5327	1.7767	0.4150	10	3.2010	1.4407	0.2265
Acid Soluble Copper, Atomic Absorption	975.01	221.00	6	0.0024	0.0007	0.0001	5	0.0026	0.0006	0.0000
Acid Soluble Copper, ICP		221.30	12	0.0021	0.0004	0.0002	11	0.0021	0.0003	0.0002
Acid Soluble Copper, Other		221.99	1	0.0030	0.0005	0.0007	1	0.0030	0.0005	0.0007
Method Group 221.XX PCT			20	0.0023	0.0006	0.0002	19	0.0024	0.0006	0.0002
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	1	0.6000	0.0000	0.0000	1	0.6000	0.0000	0.0000
Acid Soluble Iron, ICP		241.30	6	0.4955	0.0283	0.0120	6	0.4955	0.0283	0.0120
Method Group 241.XX PCT			7	0.5104	0.0460	0.0103	7	0.5104	0.0460	0.0103
Lead, Atomic Absorption		251.00	1	4.5000	0.7071	1.0000	1	4.5000	0.7071	1.0000
Lead, ICP		251.30	6	8.6000	7.1957	1.5333	6	8.6000	7.1957	1.5333
Lead, Other		251.99	2	3.2500	0.8699	0.1000	2	3.2500	0.8699	0.1000
Method Group 251.XX PPM			9	6.9556	6.2861	1.1556	8	5.4250	4.6465	0.7250
Acid Soluble Manganese, AA	972.02a	261.00	1	0.0125	0.0007	0.0010	1	0.0125	0.0007	0.0010
Acid Soluble Manganese, ICP	972.02a	261.30	4	0.0139	0.0005	0.0004	4	0.0139	0.0005	0.0004
Method Group 261.XX PCT			5	0.0137	0.0008	0.0005	5	0.0137	0.0008	0.0005
Mercury, Other		281.99	3	0.0319	0.0219	0.0148	3	0.0319	0.0219	0.0148
Molybdenum, ICP		289.30	9	5.2384	1.9625	0.4841	8	5.3933	2.0004	0.2946
Molybdenum, Other		289.99	2	6.2000	1.7963	1.4000	2	6.2000	1.7963	1.4000
Method Group 289.XX PPM			11	5.4133	1.9295	0.6506	10	5.2146	1.8578	0.4357
Nickel, Atomic Absorption		291.00	1	12.000	1.4142	2.0000	1	12.000	1.4142	2.0000
Nickel, ICP		291.30	5	10.086	2.0834	0.5474	5	10.086	2.0834	0.5474
Nickel, Other		291.99	1	8.3000	1.3011	1.8400	1	8.3000	1.3011	1.8400
Method Group 291.XX PPM			7	10.104	2.0840	0.9396	7	10.104	2.0840	0.9396
Selenium, Atomic Absorption		301.00	1	0.1700	0.0283	0.0400	1	0.1700	0.0283	0.0400
Selenium, ICP		301.30	1	8.0000	4.2426	6.0000	1	8.0000	4.2426	6.0000
Selenium, Other		301.99	1	0.1300	0.0424	0.0600	1	0.1300	0.0424	0.0600
Method Group 301.XX PPM			3	2.7667	4.4759	2.0333	3	2.7667	4.4759	2.0333
Sodium, Atomic Absorption	983.04	311.00	1	0.4295	0.0049	0.0070	1	0.4295	0.0049	0.0070
Sodium, Other		311.99	4	0.4653	0.0314	0.0138	4	0.4653	0.0314	0.0138
Method Group 311.XX PCT			5	0.4582	0.0316	0.0124	5	0.4582	0.0316	0.0124
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	7	0.0042	0.0005	0.0002	7	0.0042	0.0005	0.0002
Acid Soluble Zin, ICP		321.30	12	0.0043	0.0006	0.0003	11	0.0042	0.0005	0.0002
Acid Soluble Zinc, Other		321.99	1	0.0063	0.0016	0.0023	1	0.0063	0.0016	0.0023
Method Group 321.XX PCT			20	0.0043	0.0008	0.0004	18	0.0042	0.0005	0.0002

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 001.10 --	
090	5.5000	1.91
288	5.3600	.48
029	5.3300	.19
Avg	5.3143	
251	5.3050	-.11
397	5.2902	-.37
028	5.2100	-1.08
395	5.2050	-1.13
--	Method 001.99 --	
381	6.1350 s	8.28
354	5.4631	1.75
418	5.3400	.81
320	5.3600	.63
247	5.3200	.24
Avg	5.2959	
040	5.2500	-.66
030	5.2000 X	-.94
409	5.2300	-.94
193	5.1850	-1.11
--	Method 001.XX --	
381	6.1350 s	8.48
090	5.5000	1.98
354	5.4631	1.74
363	5.3150 R	.96
418	5.3400	.80
288	5.3600	.58
320	5.3600	.57
029	5.3300	.29
247	5.3200	.17
251	5.3050	.05
Avg	5.3032	
397	5.2902	-.30
040	5.2500	-.74
028	5.2100	-.95
395	5.2050	-.99
--	Method 001.XX --	
409	5.2300	-1.02
030	5.2000 X	-1.04
193	5.1850	-1.22
--	Method 002.10 --	
211	19.180	.71
--	Method 009.10 --	
090	5.6800	2.04
258	5.4800	.67
Avg	5.4049	
391	5.3950	-.13
169	5.3400	-.48
030	5.3500 X	-.55
257	5.3095	-.71
392	5.2800	-.92
--	Method 010.10 --	
405	5.6000	.76
Avg	5.5350	
072	5.4700	-.96
--	Method 010.11 --	
090	5.8150 s	11.85
363	5.4700	1.57
211	5.4250	.77
028	5.4250	.77
029	5.4250	.25
Avg	5.4181	
288	5.4150	-.17
395	5.4100	-.38
114	5.4150	-.75
414	5.3600	-1.75
322	5.0285 s	-11.60
--	Method 010.12 --	
137	5.5000	1.46
397	5.4307	.66
--	Method 010.12 --	
102	5.4433	.44
351	5.4460	.41
Avg	5.4276	
415	5.3855	-.85
416	5.4232 R	-1.13
185	5.3600	-1.36
--	Method 010.16 --	
419	5.3200	-.71
--	Method 010.17 --	
220	5.4500	.71
--	Method 010.60 --	
009	6.3750 s	9.66
131	5.6750	2.21
027	5.6600	2.05
007	5.6150	1.67
095	5.5500	1.08
025	5.5600	1.00
377	5.5600	.99
035	5.5200	.93
042	5.5100	.87
389	5.5400	.77
157	5.5350	.76
177	5.5330	.69
232	5.5250	.63
247	5.5100	.50
028	5.4750	.28
251	5.4800	.17
325	5.4750	.09
Avg	5.4680	
231	5.4650	-.06
023	5.4600	-.14
049	5.4500	-.19
361	5.4550	-.21
024	5.4500	-.22
262	5.4400	-.37
--	Method 010.60 --	
029	5.4350	-.44
330	5.4500	-.57
142	5.4050	-.69
409	5.4050	-.77
234	5.3950	-.79
296	5.3850	-.90
086	5.3775	-.96
324	5.4400 R	-1.00
040	5.3900	-1.12
055	5.3550	-1.21
360	5.3600	-1.23
406	5.3500	-1.26
372	5.3150	-1.64
233	5.3150	-1.65
390	5.1950 A	-2.97
073	5.2050 S	-3.10
043	5.1500 s	-3.70
--	Method 010.99 --	
354	5.6984	1.22
Avg	5.5262	
300	5.4950	-.24
177	5.3850	-.97
289	5.1650 S	-2.53
--	Method 010.XX --	
009	6.3750 s	10.10
090	5.8150 s	3.96
354	5.6984	2.68
131	5.6750	2.39
027	5.6600	2.22
007	5.6150	1.83
405	5.6000	1.56
095	5.5500	1.21
025	5.5600	1.14
377	5.5600	1.12
035	5.5200	1.03
042	5.5100	.96
--	Method 010.XX --	
389	5.5400	.90
157	5.5350	.89
177	5.5330	.82
232	5.5250	.75
247	5.5100	.61
072	5.4700	.57
137	5.5000	.46
300	5.4950	.44
028	5.4750	.33
251	5.4800	.26
325	5.4750	.19
363	5.4700	.17
023	5.4600	.11
231	5.4650	.09
Avg	5.4585	
049	5.4500	-.09
024	5.4500	-.14
351	5.4460	-.17
361	5.4550	-.17
102	5.4433	-.23
262	5.4400	-.30
029	5.4250	-.37
029	5.4350	-.38
211	5.4250	-.46
028	5.4250	-.46
397	5.4307	-.47
288	5.4150	-.48
395	5.4100	-.55
114	5.4150	-.55
330	5.4500	-.56
142	5.4050	-.61
409	5.4050	-.70
234	5.3950	-.72
416	5.4232	-.73
220	5.4500	-.78
415	5.3855	-.81
177	5.3850	-.81
296	5.3850	-.83

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 010.XX --	
086	5.3775	-.89
324	5.4400 R	-1.01
040	5.3900	-1.08
185	5.3600	-1.08
414	5.3600	-1.09
055	5.3550	-1.15
360	5.3600	-1.17
406	5.3500	-1.20
419	5.3200	-1.53
372	5.3150	-1.59
233	5.3150	-1.60
390	5.1950 A	-2.97
073	5.2050 s	-3.11
289	5.1650 s	-3.31
043	5.1500 s	-3.73
322	5.0285 s	-4.75
--	Method 020.10 --	
114	19.845 s	7.90
414	18.915	.92
090	18.910	.85
313	18.850	.55
300	18.810	.38
Avg	18.795	
095	18.780	-.82
043	18.705	-1.02
405	18.595	-1.66
--	Method 020.20 --	
415	19.811	2.84
372	19.440	1.64
234	19.300	1.20
169	19.252	1.11
391	19.180	.82
251	19.100	.63
142	19.090	.51
419	19.050	.41
362	19.050	.38
--	Method 020.20 --	
257	19.010	.32
Avg	18.932	
258	18.910	-.10
030	18.900 X	-.10
381	18.920	-.29
392	18.830	-.34
420	18.800	-.45
397	18.838	-.48
289	18.760	-.56
288	18.735	-.64
220	18.740	-.64
231	18.700	-.75
324	18.675	-.83
406	18.660	-.88
232	18.595	-1.09
418	18.530	-1.30
363	18.430	-1.62
390	18.405 R	-1.83
262	18.000 s	-3.03
--	Method 020.30 --	
416	18.965	-.71
--	Method 020.40 --	
042	22.650 S	9.38
247	18.885	.74
035	18.795	.52
409	18.730	.37
Avg	18.571	
193	17.875	-1.60
--	Method 020.50 --	
354	21.952 S	4.23
361	19.525	1.21
330	18.890 R	.90
360	18.720	.21
157	18.561	.05
Avg	18.935	
--	Method 020.50 --	
389	17.420 S	-1.41
--	Method 020.99 --	
320	18.800	.87
Avg	18.500	
395	18.200	-.86
--	Method 020.XX --	
042	22.650 s	10.76
354	21.952 s	8.77
114	19.845 s	2.90
415	19.811	2.74
361	19.525	1.94
330	18.890 R	1.81
372	19.440	1.70
234	19.300	1.32
169	19.252	1.23
391	19.180	.98
251	19.100	.80
142	19.090	.72
419	19.050	.62
362	19.050	.60
257	19.010	.52
416	18.965	.43
381	18.920	.35
397	18.838	.32
414	18.915	.24
247	18.885	.23
258	18.910	.22
090	18.910	.21
030	18.900 X	.18
313	18.850	.15
Avg	18.835	
392	18.830	-.06
035	18.795	-.13
420	18.800	-.15
300	18.810	-.16
320	18.800	-.20
--	Method 020.XX --	
289	18.760	-.21
288	18.735	-.28
409	18.730	-.30
220	18.740	-.30
360	18.720	-.34
095	18.780	-.35
231	18.700	-.38
324	18.675	-.45
043	18.705	-.47
406	18.660	-.50
232	18.595	-.68
405	18.595	-.74
157	18.561	-.78
418	18.530	-.86
363	18.430	-1.14
390	18.405 R	-1.34
395	18.200	-1.79
262	18.000	-2.37
193	17.875	-2.70
389	17.420 s	-3.98
--	Method 030.10 --	
090	0.2950	-.71
--	Method 030.20 --	
220	0.2350	.71
--	Method 030.40 --	
409	0.2850	1.12
193	0.2750	.75
Avg	0.2700	
247	0.2500	-.83
--	Method 030.99 --	
363	0.5350 S	.00
--	Method 030.XX --	
363	0.5350 s	8.86
--	Method 030.XX --	
409	0.2850	1.17
090	0.2950	.93
193	0.2750	.78
Avg	0.2680	
247	0.2500	-.81
220	0.2350	-1.00
--	Method 040.10 --	
090	18.615	-.71
--	Method 040.20 --	
220	18.505	.63
289	18.510	.63
Avg	18.303	
363	17.895	-1.30
--	Method 040.40 --	
409	18.445	.87
Avg	18.023	
193	17.600	-.87
--	Method 040.99 --	
247	18.640	-.71
--	Method 040.XX --	
247	18.640	.85
090	18.615	.76
220	18.505	.50
289	18.510	.50
409	18.445	.33
Avg	18.316	
363	17.895	-1.13
193	17.600	-1.82
--	Method 041.10 --	
322	19.125 s	4.50
028	19.080 s	4.09
233	18.820	1.44

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 041.10	--
055	18.810	1.34
296	18.785	1.09
137	18.775	1.01
177	18.709	.32
Avg	18.678	
131	18.660	-.35
009	18.635	-.56
040	18.615	-.68
029	18.605	-.73
102	18.601	-.78
049	18.595	-.85
086	18.525	-1.60
185	18.290 s	-4.99
--	Method 041.20	--
055	18.900	.76
362	18.845	.56
Avg	18.732	
030	18.450 X	-1.27
--	Method 041.30	--
260	18.420	.00
--	Method 041.40	--
131	18.820	1.38
025	18.560	.37
Avg	18.518	
029	18.415	-.47
027	18.275	-1.11
--	Method 041.50	--
354	21.880 s	19.41
007	19.015	.93
393	18.980	.73
361	18.960	.60
Avg	18.872	
360	18.865	-.74
325	18.745	-.82

Lab	Average*	Index
--	Method 041.50	--
023	18.665	-1.59
251	18.100 s	-5.14
--	Method 041.60	--
377	19.250	1.83
028	19.135	1.36
296	19.080	1.13
072	18.925	.54
Avg	18.800	
037	18.730	-.35
288	18.710	-.37
351	18.712	-.37
397	18.725	-.41
177	18.695	-.42
043	18.640	-.69
073	18.610	-.82
095	18.385	-1.69
--	Method 041.XX	--
354	21.880 s	13.91
377	19.250	2.25
028	19.135	1.73
322	19.125	1.68
028	19.080	1.50
296	19.080	1.48
007	19.015	1.19
393	18.980	1.05
361	18.960	.96
072	18.925	.82
360	18.865	.73
055	18.900	.70
362	18.845	.50
131	18.820	.34
233	18.820	.34
055	18.810	.30
296	18.785	.18
137	18.775	.17
Avg	18.746	

Lab	Average*	Index
--	Method 041.XX	--
325	18.745	-.02
177	18.709	-.17
288	18.710	-.18
351	18.712	-.20
177	18.695	-.23
037	18.730	-.23
397	18.725	-.32
131	18.660	-.41
009	18.635	-.52
043	18.640	-.54
040	18.615	-.59
029	18.605	-.63
102	18.601	-.65
049	18.595	-.67
073	18.610	-.68
023	18.665	-.70
025	18.560	-.88
086	18.525	-1.00
030	18.450 X	-1.33
260	18.420	-1.45
029	18.415	-1.47
095	18.385	-1.62
027	18.275	-2.09
185	18.290 R	-2.45
251	18.100 R	-3.00
--	Method 048.20	--
362	15.465	1.16
Avg	14.957	
363	14.905	-.27
193	14.500	-1.04
--	Method 048.99	--
247	15.345	.71
--	Method 048.XX	--
362	15.465	1.00
247	15.345	.71

Lab	Average*	Index
--	Method 048.XX	--
Avg	15.054	
363	14.905	-.44
193	14.500	-1.34
--	Method 050.00	--
009	21.710	2.03
391	21.540	1.33
418	21.490	1.19
233	21.405	.77
102	21.403	.76
258	21.380	.68
220	21.330	.52
392	21.285	.30
211	21.290	.29
416	21.285	.29
350	21.225	.15
Avg	21.220	
029	21.210	-.04
231	21.190	-.12
049	21.185	-.15
028	21.200	-.15
043	21.210	-.21
055	21.160	-.25
345	21.105	-.50
296	21.130	-.50
257	21.060	-.66
095	21.065 R	-1.17
090	20.890	-1.41
072	20.780	-1.83
372	20.600	-2.57
131	20.205 s	-4.20
--	Method 050.10	--
040	21.380	1.11
Avg	21.231	
322	21.082	-.52

Lab	Average*	Index
--	Method 050.30	--
095	22.630	1.99
185	21.600	.82
262	21.350	.57
193	21.400	.55
137	21.250	.38
Avg	20.927	
142	20.620	-.36
234	20.405	-.61
381	20.105	-1.00
351	19.997	-1.08
405	19.915	-1.18
--	Method 050.31	--
086	21.475	-.71
--	Method 050.50	--
354	21.985	.92
324	21.630	.33
Avg	21.437	
157	20.695	-1.24
247	16.690 S	-7.93
--	Method 050.51	--
361	21.415	.80
393	21.395	.75
023	21.140	.52
389	21.300	.50
Avg	21.102	
007	21.010	-.34
377	20.350	-1.91
251	19.270 S	-4.66
--	Method 050.60	--
390	21.965	1.42
406	21.710	.96
288	21.245	.15
Avg	21.177	
055	21.135	-.10

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 050.60 --	
415	21.117	-.11
029	20.900	-.50
169	20.165	-1.81
--	Method 050.61 --	
030	22.050 X	1.26
035	21.930	.97
Avg	21.590	
025	21.505	-.26
037	21.265	-.88
028	21.200	-1.06
--	Method 050.99 --	
330	22.295 R	3.01
325	21.760	1.45
363	21.595	1.29
419	21.650	1.23
042	21.450	.67
300	21.250	.30
177	21.209	.11
Avg	21.187	
362	20.965	-.62
260	20.980	-.65
232	20.910	-.70
360	21.130	-.80
073	20.855	-.84
289	20.495	-1.75
395	18.970 s	-5.60
--	Method 050.XX --	
095	22.630 A	3.19
330	22.295 R	2.63
030	22.050 X	1.92
354	21.985	1.78
390	21.965	1.74
035	21.930	1.68
325	21.760	1.29
009	21.710	1.18
--	Method 050.XX --	
406	21.710	1.18
363	21.595 R	1.14
419	21.650	1.10
185	21.600	1.04
324	21.630	1.01
391	21.540	.81
040	21.380 R	.76
025	21.505	.74
418	21.490	.74
262	21.350 R	.67
086	21.475	.67
042	21.450	.63
361	21.415	.54
233	21.405	.52
102	21.403	.51
193	21.400	.51
393	21.395	.50
258	21.380	.47
220	21.330	.38
389	21.300	.29
300	21.250	.28
211	21.290	.27
392	21.285	.27
416	21.285	.26
037	21.265	.22
288	21.245	.20
137	21.250	.18
350	21.225	.15
043	21.210	.14
177	21.209	.12
028	21.200	.11
028	21.200	.10
029	21.210	.09
231	21.190	.05
049	21.185	.04
Avg	21.166	
055	21.160	-.03
055	21.135	-.10
--	Method 050.XX --	
415	21.117	-.12
345	21.105	-.15
322	21.082	-.19
296	21.130	-.19
257	21.060	-.23
007	21.010	-.40
023	21.140	-.44
362	20.965	-.49
260	20.980	-.52
095	21.065 R	-.56
232	20.910	-.56
029	20.900	-.58
090	20.890	-.62
073	20.855	-.68
360	21.130 R	-.68
072	20.780	-.84
157	20.695	-1.03
142	20.620	-1.19
372	20.600	-1.23
289	20.495	-1.46
234	20.405	-1.66
377	20.350	-1.78
131	20.205	-2.09
169	20.165	-2.17
381	20.105 R	-2.37
351	19.997	-2.54
405	19.915	-2.72
251	19.270 s	-4.12
395	18.970 s	-4.77
247	16.690 s	-9.72
--	Method 060.00 --	
362	0.8700	1.03
247	0.8700	1.01
363	0.8300	.72
007	0.8300	.58
Avg	0.7769	
361	0.7000	-.86
--	Method 060.00 --	
193	0.6800	-1.05
416	0.6584	-1.31
--	Method 060.99 --	
320	0.8200	.00
--	Method 060.XX --	
362	0.8700	1.03
247	0.8700	1.01
363	0.8300	.71
007	0.8300	.56
320	0.8200	.43
Avg	0.7823	
361	0.7000	-.97
193	0.6800	-1.18
416	0.6584	-1.45
--	Method 101.30 --	
361	12.255	1.37
131	12.210	1.33
035	11.750	.40
Avg	11.737	
247	11.620	-.32
009	11.582	-.42
393	11.570	-.44
102	11.175	-1.49
--	Method 101.70 --	
193	11.005	.71
--	Method 101.XX --	
361	12.255	1.41
131	12.210	1.36
035	11.750	.42
Avg	11.646	
247	11.620	-.09
009	11.582	-.17
393	11.570	-.18
--	Method 101.XX --	
102	11.175	-1.09
193	11.005	-1.49
--	Method 121.00 --	
193	0.0650 S	.00
--	Method 121.30 --	
361	0.3200	1.02
131	0.3215	1.02
102	0.3090	.46
247	0.3070	.37
Avg	0.2982	
009	0.2956	-.11
035	0.2795	-.83
393	0.2550	-1.84
--	Method 121.XX --	
361	0.3200	1.02
131	0.3215	1.02
102	0.3090	.46
247	0.3070	.37
Avg	0.2982	
009	0.2956	-.11
035	0.2795	-.83
393	0.2550	-1.84
193	0.0650 s	-9.90
--	Method 131.00 --	
193	0.2350	.71
--	Method 144.01 --	
193	0.5385	.71
--	Method 144.02 --	
361	0.5650	.71
--	Method 144.99 --	
035	0.7090	1.34

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MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 144.99 --	
247	0.6450	.23
Avg	0.6327	
009	0.6164	-.28
393	0.5605	-1.25
--	Method 144.XX --	
035	0.7090	1.69
247	0.6450	.64
009	0.6164	.17
Avg	0.6057	
361	0.5650	-.67
393	0.5605	-.74
193	0.5385	-1.09
--	Method 151.00 --	
231	3.3850	.71
--	Method 151.30 --	
009	34.535 S	59.69
419	3.5000	1.27
Avg	3.0523	
247	3.0000	-.10
102	2.6570	-.93
--	Method 151.99 --	
409	3.5000	1.10
Avg	3.2250	
040	2.9500	-.54
--	Method 151.XX --	
009	34.535 s	67.34
409	3.5000	1.29
419	3.5000	1.29
231	3.3850	.47
Avg	3.1653	
247	3.0000	-.35
040	2.9500	-.47
102	2.6570	-1.26
--	Method 165.99 --	
009	0.0143	.71
--	Method 181.00 --	
405	3.5000	1.12
Avg	3.2500	
193	3.0000	-.50
--	Method 181.30 --	
231	3.5250	2.38
324	2.9500 R	1.28
102	2.4020	.08
009	2.4050	.04
Avg	2.3965	
232	2.2450	-.32
035	2.3950	-.39
157	2.2000	-.41
419	2.0000	-.84
247	2.0000	-.84
--	Method 181.99 --	
409	3.0000	.74
040	2.9000	.57
Avg	2.6400	
397	2.0199	-1.27
--	Method 181.XX --	
405	3.5000 R	2.24
231	3.5250	2.04
324	2.9500	.99
193	3.0000	.95
409	3.0000	.95
040	2.9000	.77
Avg	2.5417	
009	2.4050	-.28
102	2.4020	-.30
035	2.3950	-.49
232	2.2450	-.61
157	2.2000	-.71
--	Method 181.XX --	
397	2.0199	-1.08
419	2.0000	-1.12
247	2.0000	-1.12
--	Method 190.99 --	
009	16.609	.71
--	Method 191.00 --	
395	99.000 S	38.89
193	44.000	.71
Avg	44.000	
--	Method 191.30 --	
009	33.560	1.33
324	32.500	1.02
419	30.500	.58
102	30.388	.27
Avg	29.593	
157	28.000	-.53
247	27.000	-.92
232	25.200	-1.46
--	Method 191.XX --	
395	99.000 s	11.91
193	44.000	2.23
009	33.560	.40
324	32.500	.26
Avg	31.394	
102	30.388	-.18
419	30.500	-.31
157	28.000	-.60
247	27.000	-.79
232	25.200	-1.09
--	Method 202.00 --	
193	5.5000	.71
--	Method 202.30 --	
231	6.8500 R	3.03
009	6.2700	2.48
Avg	2.9388	
040	2.8500	-.08
102	2.8500	-.08
247	2.7000	-.23
324	2.6000	-.26
232	2.1400	-.60
389	2.1000	-.62
419	2.0000	-.70
--	Method 202.99 --	
409	3.0000	.00
--	Method 202.XX --	
231	6.8500 R	2.66
009	6.2700	2.13
193	5.5000	1.63
Avg	3.2010	
409	3.0000	-.14
040	2.8500	-.25
102	2.8500	-.25
247	2.7000	-.37
324	2.6000	-.42
232	2.1400	-.74
389	2.1000	-.76
419	2.0000	-.83
--	Method 221.00 --	
086	0.0058 S	5.13
029	0.0036	1.59
028	0.0028	.36
043	0.0026	.00
Avg	0.0026	
234	0.0020	-.96
193	0.0020	-.96
095	0.0016 R	-1.63
--	Method 221.30 --	
288	0.0037 s	5.06
231	0.0024	1.07
102	0.0024	.98
389	0.0024	.85
330	0.0024	.84
040	0.0023	.57
035	0.0023	.53
Avg	0.0021	
009	0.0021	-.25
232	0.0019	-.63
247	0.0018	-1.07
324	0.0019	-1.10
157	0.0016	-1.88
419	0.0016 R	-2.36
--	Method 221.99 --	
409	0.0030	.71
--	Method 221.XX --	
086	0.0058 s	5.81
288	0.0037	2.28
029	0.0036	2.09
409	0.0030	1.16
028	0.0028	.77
043	0.0026	.41
231	0.0024	.34
102	0.0024	.19
389	0.0024	.08
Avg	0.0024	
040	0.0023	-.07
035	0.0023	-.09
330	0.0024	-.25
009	0.0021	-.48
234	0.0020	-.59
193	0.0020	-.59
232	0.0019	-.69
324	0.0019	-.86
247	0.0018	-.93

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 221.XX --	
095	0.0016	-1.31
157	0.0016	-1.35
419	0.0016 R	-1.55
--	Method 241.00 --	
193	0.6000	.00
--	Method 241.30 --	
361	0.5350	1.41
131	0.5110	.57
009	0.5027	.32
102	0.4974	.30
Avg	0.4955	
247	0.4750	-.75
035	0.4520	-1.56
--	Method 241.XX --	
193	0.6000	1.95
361	0.5350	.54
131	0.5110	.09
Avg	0.5104	
009	0.5027	-.21
102	0.4974	-.34
247	0.4750	-.78
035	0.4520	-1.28
--	Method 251.00 --	
405	4.5000	.71
--	Method 251.30 --	
231	19.200	1.51
419	16.500	1.12
Avg	8.6000	
324	7.3000	-.20
389	3.9000	-.65
247	2.6500	-.83
157	2.0500	-.91
--	Method 251.99 --	
409	4.0000	.86
Avg	3.2500	
040	2.5000	-.87
--	Method 251.XX --	
231	19.200 R	3.01
419	16.500	2.41
324	7.3000	.42
Avg	5.4250	
405	4.5000	-.23
409	4.0000	-.31
389	3.9000	-.33
247	2.6500	-.60
040	2.5000	-.63
157	2.0500	-.73
--	Method 261.00 --	
193	0.0125	-.71
--	Method 261.30 --	
247	0.0144	.94
009	0.0141	.44
Avg	0.0139	
102	0.0134	-1.06
035	0.0139	-1.14
--	Method 261.XX --	
247	0.0144	.95
035	0.0139	.75
009	0.0141	.60
Avg	0.0137	
102	0.0134	-.30
193	0.0125	-1.61
--	Method 281.99 --	
296	0.0553	1.07
Avg	0.0319	
405	0.0200	-.54
--	Method 281.99 --	
040	0.0205	-1.03
--	Method 289.30 --	
009	9.7150	2.16
231	7.4000	1.00
Avg	5.3933	
247	4.7000	-.36
102	4.4260	-.48
232	4.4050	-.49
324	4.4000	-.51
157	4.1500	-.62
288	3.9500	-.75
419	4.0000 R	-.86
--	Method 289.99 --	
040	7.4000	1.03
Avg	6.2000	
409	5.0000	-.67
--	Method 289.XX --	
009	9.7150	2.42
040	7.4000 R	1.40
231	7.4000	1.18
Avg	5.2146	
409	5.0000	-.12
247	4.7000	-.30
102	4.4260	-.42
232	4.4050	-.44
324	4.4000	-.45
157	4.1500	-.57
288	3.9500	-.72
419	4.0000	-.85
--	Method 291.00 --	
193	12.000	.71
--	Method 291.30 --	
247	13.800	1.78
--	Method 291.30 --	
Avg	10.086	
231	9.8000	-.20
102	9.4110	-.32
009	9.3700	-.42
324	8.0500	-1.00
--	Method 291.99 --	
409	33.500 S	19.55
Avg	8.3000	
035	8.3000	-.71
--	Method 291.XX --	
409	33.500 s	11.35
247	13.800	1.77
193	12.000	1.03
Avg	10.104	
231	9.8000	-.21
102	9.4110	-.33
009	9.3700	-.42
035	8.3000	-.97
324	8.0500	-1.01
--	Method 301.00 --	
231	0.1700	.71
--	Method 301.30 --	
419	8.0000	.71
--	Method 301.99 --	
040	0.1300	.71
--	Method 301.XX --	
419	8.0000	1.35
Avg	2.7667	
231	0.1700	-.58
040	0.1300	-.59
--	Method 311.00 --	
193	0.4295	.71
--	Method 311.99 --	
102	0.5038	1.23
009	0.4791	.70
Avg	0.4653	
247	0.4450	-.65
035	0.4335	-1.04
--	Method 311.XX --	
102	0.5038	1.45
009	0.4791	.86
Avg	0.4582	
247	0.4450	-.42
035	0.4335	-.81
193	0.4295	-.92
--	Method 321.00 --	
086	0.0179 s	26.41
395	0.0050	1.50
043	0.0046	.84
029	0.0044	.29
028	0.0044	.29
Avg	0.0042	
193	0.0040	-.39
320	0.0037	-.96
095	0.0035	-1.51
--	Method 321.30 --	
251	0.0100 s	11.77
389	0.0090 s	9.74
324	0.0051 R	2.75
009	0.0051	1.96
231	0.0047	1.50
330	0.0047	1.05
035	0.0043	.17
Avg	0.0042	
288	0.0041	-.16

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 321.30 --													
157	0.0041	-.28												
247	0.0039	-.56												
040	0.0039	-.61												
419	0.0039	-.74												
102	0.0038	-.78												
232	0.0036	-1.16												
--	Method 321.99 --													
409	0.0063	.71												
--	Method 321.XX --													
086	0.0179 s	27.86												
251	0.0100 s	11.62												
389	0.0090 s	9.62												
409	0.0063 R	4.72												
324	0.0051 R	2.70												
009	0.0051	1.92												
395	0.0050	1.62												
231	0.0047	1.47												
330	0.0047	1.02												
043	0.0046	.91												
029	0.0044	.33												
028	0.0044	.33												
035	0.0043	.15												
Avg	0.0042													
288	0.0041	-.18												
157	0.0041	-.30												
193	0.0040	-.38												
247	0.0039	-.58												
040	0.0039	-.62												
419	0.0039	-.75												
102	0.0038	-.79												
320	0.0037	-.98												
232	0.0036	-1.17												
095	0.0035	-1.56												

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

MAGRUDER - Fertilizer Check Sample No. - 200210 Grade 5-20-20

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.10	7	0.0000	1.03	0.13	060.00	7	0.0000	1.01	0.24
001.99	10	0.8193	2.72	0.63	060.XX	8	0.0000	1.00	0.24
001.XX	17	0.5002	2.22	0.51	101.30	7	0.0000	1.01	0.23
009.10	7	0.0000	1.02	0.21	101.XX	8	0.0000	1.01	0.19
009.XX	7	0.0000	1.02	0.21	121.30	7	0.0000	1.02	0.21
010.10	2	0.0000	1.08	0.41	121.XX	8	-1.2377	3.62	0.21
010.11	10	0.0215	5.56	0.68	144.99	4	0.0000	1.07	0.13
010.12	7	-0.0124	0.91	0.51	144.XX	6	0.0000	1.04	0.11
010.60	40	0.0066	1.97	0.47	151.30	4	14.9214	29.85	0.59
010.99	4	-0.6229	1.53	0.27	151.99	2	0.0000	0.75	0.68
010.XX	62	-0.0458	1.93	0.46	151.XX	7	9.6196	25.46	0.65
020.10	8	0.9673	2.85	0.77	181.00	2	0.0000	0.71	0.71
020.20	27	-0.1745	1.16	0.22	181.30	9	0.1296	1.03	0.22
020.40	5	1.8724	4.29	0.27	181.99	3	0.0000	1.11	0.12
020.50	6	0.7730	1.89	0.33	181.XX	14	0.1417	1.10	0.33
020.99	2	0.0000	1.21	0.14	191.00	2	19.4454	27.50	0.50
020.XX	49	0.3531	2.29	0.34	191.30	7	0.0000	1.00	0.27
030.40	3	0.0000	0.53	0.80	191.XX	9	1.3236	4.08	0.14
030.XX	6	1.3377	3.34	1.65	202.30	9	0.3228	1.37	0.29
040.20	3	0.0000	1.07	0.26	202.XX	11	0.2303	1.23	0.27
040.40	2	0.0000	1.22	0.02	221.00	7	0.5050	2.29	0.14
040.XX	7	0.0000	1.03	0.16	221.30	13	0.2424	1.75	0.56
041.10	15	0.3087	2.09	0.85	221.XX	21	0.2126	1.61	0.28
041.20	3	0.0000	1.09	0.21	241.30	6	0.0000	1.02	0.22
041.40	4	0.0000	1.06	0.17	241.XX	7	0.0000	1.03	0.13
041.50	8	1.8038	7.36	0.62	251.30	6	0.0000	1.03	0.16
041.60	12	0.0000	1.00	0.18	251.99	2	0.0000	1.22	0.08
041.XX	37	0.1994	2.56	0.37	251.XX	9	0.3294	1.38	0.21
048.20	3	0.0000	1.10	0.16	261.30	4	0.0000	0.84	0.58
048.XX	4	0.0000	1.07	0.15	261.XX	5	0.0000	0.94	0.43
050.00	25	-0.1937	1.27	0.25	281.99	3	0.0000	0.92	0.52
050.10	2	0.0000	0.74	0.69	281.XX	3	0.0000	0.92	0.52
050.30	10	0.0000	1.01	0.16	289.30	9	-0.0774	0.99	0.19
050.50	4	-1.9820	4.07	0.09	289.99	2	0.0000	0.94	0.55
050.51	7	-0.6649	1.99	0.22	289.XX	11	0.1069	1.02	0.29
050.60	7	0.0000	1.04	0.05	291.30	5	0.0000	1.05	0.16
050.61	5	0.0000	1.04	0.16	291.99	2	9.6843	13.70	1.97
050.99	14	-0.2001	1.93	0.46	291.XX	8	1.4033	4.07	0.65
050.XX	71	-0.2121	1.72	0.32	301.XX	3	0.0000	1.01	0.39

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Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
311.99	4	0.0000	1.02	0.30					
311.XX	5	0.0000	1.02	0.27					
321.00	8	3.2481	9.23	1.68					
321.30	14	1.6700	3.99	0.62					
321.XX	22	2.5126	6.46	1.27					