

MAGRUDER - Fertilizer Check Sample No. - 200312 Grace 12-32-6

- Pass 1 Results for 77 Labs - - Pass 2 Results for 77 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	5	9.87	0.33	0.07	5	9.87	0.33	0.07
Ammoniacal Nitrogen, Other		001.99	11	9.99	0.21	0.10	11	9.99	0.21	0.10
Method Group 001.XX PCT			16	9.96	0.26	0.09	16	9.96	0.26	0.09
Nitrogen From Urea, Urease (as N)	959.03	005.00	1	1.10	0.01	0.01	1	1.10	0.01	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	4	10.43	0.79	0.07	4	10.43	0.79	0.07
Total Nitrogen, Reduced Iron		010.10	2	12.04	0.06	0.03	2	12.04	0.06	0.03
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	11.90	0.11	0.06	7	11.90	0.11	0.06
Total Nitrogen, Salicylic	955.04D	010.12	4	12.00	0.21	0.05	3	12.04	0.22	0.01
Total Nitrogen, Raney	970.03	010.16	1	11.85	0.07	0.10	1	11.85	0.07	0.10
Total Nitrogen, Combustion		010.60	47	12.01	0.12	0.07	46	12.01	0.12	0.06
Total Nitrogen, Other		010.99	4	11.99	0.24	0.18	4	11.99	0.24	0.18
Method Group 010.XX PCT			66	12.00	0.14	0.07	62	12.00	0.13	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	8	30.61	0.27	0.14	8	30.61	0.27	0.14
Total Phosphate, Spectrometric	958.01	020.20	15	30.84	0.19	0.10	14	30.85	0.19	0.08
Total Phosphate, Automated	978.01	020.40	5	30.62	0.30	0.13	5	30.62	0.30	0.13
Total Phosphate, ICP		020.50	3	30.75	0.34	0.06	3	30.75	0.34	0.06
Method Group 020.XX PCT			31	30.73	0.26	0.11	30	30.74	0.27	0.10
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	2	0.02	0.01	0.01	2	0.02	0.01	0.01
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.05	0.02	0.03	1	0.05	0.02	0.03
Insoluble Phosphate, Automated	978.01	030.40	3	0.05	0.03	0.02	3	0.05	0.03	0.02
Method Group 030.XX PCT			6	0.04	0.02	0.02	6	0.04	0.02	0.02
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	30.76	0.06	0.09	1	30.76	0.06	0.09
InDir Available Phosphate, Spectrometri	960.02	040.20	2	30.67	0.11	0.13	2	30.67	0.11	0.13
InDir Available Phosphate, Automated ..	960.02	040.40	3	30.52	0.35	0.16	3	30.52	0.35	0.16
InDir Available Phosphate, Other		040.99	1	30.72	0.06	0.08	1	30.72	0.06	0.08
Method Group 040.XX PCT			7	30.62	0.24	0.13	7	30.62	0.24	0.13
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	20	30.80	0.33	0.09	19	30.81	0.33	0.08
Dir Available Phosphate, Spectrometric	960.03D	041.20	5	30.35	0.42	0.21	6	30.23	0.48	0.29
Dir Available Phosphate, Automated	978.01	041.40	4	30.66	0.24	0.19	4	30.66	0.24	0.19
Dir Available Phosphate, ICP		041.50	7	30.55	0.56	0.38	7	30.55	0.56	0.38
Dir Available Phosphate, EDTA Extract .	993.01	041.60	9	30.67	0.19	0.08	9	30.67	0.19	0.08
Method Group 041.XX PCT			45	30.67	0.38	0.15	43	30.67	0.38	0.12
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	26.30	0.48	0.09	4	26.30	0.48	0.09
Water Soluble Phosphate, Other		048.99	1	29.95	0.06	0.08	1	29.95	0.06	0.08
Method Group 048.XX PCT			5	27.03	1.59	0.09	5	27.03	1.59	0.09
Soluble Potash, STPB Oxalate	958.02	050.00	21	7.76	0.28	0.10	20	7.75	0.28	0.08
Soluble Potash, STPB Citrate	969.04	050.10	1	8.34	0.01	0.01	1	8.34	0.01	0.01
Soluble Potash, AA (Oxalate)		050.30	12	7.49	0.37	0.14	12	7.49	0.37	0.14
Soluble Potash, ICP (Oxalate)		050.50	5	7.29	0.54	0.27	5	7.29	0.54	0.27

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Soluble Potash, ICP (Citrate)		050.51	6	7.83	0.50	0.10	5	7.81	0.55	0.05
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	4	7.76	0.08	0.04	4	7.76	0.08	0.04
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	6	7.90	0.15	0.06	5	7.86	0.12	0.01
Soluble Potash, Other		050.99	13	7.64	0.31	0.12	13	7.64	0.31	0.12
Method Group 050.XX PCT			68	7.68	0.37	0.11	64	7.68	0.37	0.09
Free Water, Vacuum Oven	965.08B	060.00	7	1.10	0.12	0.07	6	1.10	0.12	0.04
Acid Soluble Calcium, ICP		101.30	9	0.62	0.08	0.01	9	0.62	0.08	0.01
Acid Soluble Magnesium, AA	984.01	121.00	17	1.21	0.04	0.03	17	1.21	0.04	0.03
Acid Soluble Magnesium, ICP		121.30	17	1.21	0.07	0.02	16	1.22	0.06	0.02
Acid Soluble Magnesium, Other		121.99	1	1.19	0.10	0.14	1	1.19	0.10	0.14
Method Group 121.XX PCT			35	1.21	0.06	0.03	33	1.21	0.05	0.02
Water Soluble Magnesium, AA		131.00	3	0.84	0.10	0.03	3	0.84	0.10	0.03
Sulfur, Gravimetric	980.02a	144.01	10	5.44	0.17	0.07	10	5.44	0.17	0.07
Sulfur, Gravimetric	980.02b	144.02	1	5.30	0.02	0.03	1	5.30	0.02	0.03
Sulfur, Turbidimetric	63.845	144.50	1	5.37	0.07	0.10	1	5.37	0.07	0.10
Sulfur, Other		144.99	19	5.13	0.21	0.14	18	5.13	0.20	0.11
Method Group 144.XX PCT			31	5.24	0.24	0.11	29	5.24	0.23	0.08
Arsenic, Atomic Absorption		151.00	2	7.06	7.52	1.33	2	7.06	7.52	1.33
Arsenic, ICP		151.30	5	7.71	3.40	0.49	5	7.71	3.40	0.49
Arsenic, Other		151.99	2	11.43	7.03	0.55	2	11.43	7.03	0.55
Method Group 151.XX PPM			9	8.39	5.26	0.69	8	7.75	5.22	0.47
Acid Soluble Boron, Spectrometric	982.01	165.00	10	0.111	0.010	0.004	10	0.111	0.010	0.004
Acid Soluble Boron, Other		165.99	12	0.116	0.009	0.004	12	0.116	0.009	0.004
Method Group 165.XX PCT			22	0.114	0.009	0.004	22	0.114	0.009	0.004
Water Soluble Boron, AA	52.950	171.00	1	0.094	0.004	0.005	1	0.094	0.004	0.005
Cadmium, Atomic Absorption		181.00	4	8.31	0.52	0.22	4	8.31	0.52	0.22
Cadmium, ICP		181.30	10	8.22	0.52	0.16	10	8.22	0.52	0.16
Cadmium, Other		181.99	1	8.80	0.14	0.20	1	8.80	0.14	0.20
Method Group 181.XX PPM			15	8.28	0.52	0.18	15	8.28	0.52	0.18
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	4.11	0.16	0.22	1	4.11	0.16	0.22
Water Soluble Chlorine, Other		190.99	2	4.85	0.18	0.05	2	4.85	0.18	0.05
Method Group 190.XX PCT			3	4.60	0.41	0.11	3	4.60	0.41	0.11
Chromium, ICP		191.30	9	129.37	28.61	6.57	9	129.37	28.61	6.57
Chromium, Other		191.99	2	147.50	43.49	5.00	2	147.50	43.49	5.00
Method Group 191.XX PPM			11	132.67	31.37	6.28	11	132.67	31.37	6.28
Acid Soluble Cobalt, AA		202.00	1	7.55	1.48	2.10	1	7.55	1.48	2.10
Acid Soluble Cobalt, ICP	965.11	202.30	11	17.86	11.07	1.65	11	17.86	11.07	1.65
Acid Soluble Cobalt, Other		202.99	2	30.25	6.99	3.50	2	30.25	6.99	3.50
Method Group 202.XX PPM			14	18.89	11.42	1.95	14	18.89	11.42	1.95

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Acid Soluble Copper, Atomic Absorption	975.01	221.00	14	0.1279	0.0081	0.0027	13	0.1273	0.0080	0.0022
Acid Soluble Copper, ICP		221.30	16	0.1292	0.0077	0.0029	15	0.1288	0.0077	0.0024
Acid Soluble Copper, Other		221.99	1	0.1250	0.0113	0.0160	1	0.1250	0.0113	0.0160
Method Group 221.XX PCT			31	0.1285	0.0079	0.0033	30	0.1286	0.0079	0.0028
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	15	0.70	0.06	0.01	14	0.71	0.06	0.01
Acid Soluble Iron, ICP		241.30	20	0.69	0.05	0.01	20	0.69	0.05	0.01
Acid Soluble Iron, Other		241.99	2	0.77	0.09	0.02	2	0.77	0.09	0.02
Method Group 241.XX PCT			37	0.70	0.06	0.01	37	0.70	0.06	0.01
Lead, Atomic Absorption		251.00	4	31.78	3.94	4.20	4	31.78	3.94	4.20
Lead, ICP		251.30	9	35.31	5.29	5.26	9	35.31	5.29	5.26
Lead, Other		251.99	2	39.25	7.89	6.50	2	39.25	7.89	6.50
Method Group 251.XX PPM			15	34.89	5.66	5.14	15	34.89	5.66	5.14
Acid Soluble Manganese, ICP	972.02a	261.30	7	0.093	0.008	0.003	7	0.093	0.008	0.003
Water Soluble Manganese, ICP	972.03	271.30	1	0.094	0.003	0.005	1	0.094	0.003	0.005
Mercury, Atomic Absorption		281.00	1	0.14	0.01	0.02	1	0.14	0.01	0.02
Mercury, ICP		281.30	1	0.14	0.04	0.06	1	0.14	0.04	0.06
Method Group 281.XX PPM			2	0.14	0.03	0.04	2	0.14	0.03	0.04
Molybdenum, Atomic Absorption		289.00	2	13.00	1.13	0.90	2	13.00	1.13	0.90
Molybdenum, ICP		289.30	6	15.02	1.32	0.93	6	15.02	1.32	0.93
Molybdenum, Other		289.99	2	20.00	2.94	3.00	2	20.00	2.94	3.00
Method Group 289.XX PPM			11	16.08	3.14	1.39	11	16.08	3.14	1.39
Nickel, ICP		291.30	7	30.59	11.06	1.40	7	30.59	11.06	1.40
Selenium, Atomic Absorption		301.00	1	0.12	0.01	0.02	1	0.12	0.01	0.02
Selenium, Other		301.99	2	0.10	0.10	0.02	2	0.10	0.10	0.02
Method Group 301.XX PPM			3	0.10	0.08	0.02	3	0.10	0.08	0.02
Sodium, Flame Photometric	974.01	311.30	2	0.39	0.03	0.01	2	0.39	0.03	0.01
Sodium, Other		311.99	4	0.43	0.04	0.03	4	0.43	0.04	0.03
Method Group 311.XX PCT			6	0.42	0.04	0.02	6	0.42	0.04	0.02
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	15	0.571	0.032	0.019	14	0.569	0.031	0.015
Acid Soluble Zinc, ICP		321.30	20	0.608	0.051	0.027	19	0.609	0.052	0.023
Acid Soluble Zinc, Other		321.99	2	0.593	0.015	0.016	2	0.593	0.015	0.016
Method Group 321.XX PCT			37	0.592	0.047	0.023	34	0.588	0.040	0.020

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.99 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			409 9.88 -.32			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Other</u>		
389	11.85 S	6.05	354	9.88	-.36	220	11.87 X	-.80	106	12.02	.53	368	12.14	.60
029	10.33 X	1.42	090	9.79	-.65	414	11.75	-1.41	377	12.06	.45	Avg	11.99	
416	10.11	.72	420	9.72	-.98	Meth: 010.12 PCT			275	12.06	.43	362	11.96	-.14
Avg	9.87		289	9.70	-1.03	Total Nitrogen			409	12.06	.43	420	11.71	-1.32
090	9.79	-.25	288	9.63	-1.30	<u>Salicylic</u>			296	12.06	.43	300	10.41 S	-6.78
288	9.63	-.76	292	9.50	-1.79	137	12.31	1.20	024	12.05	.37	289	10.02 S	-8.37
292	9.50	-1.15	Meth: 005.00 PCT			Avg	12.04		131	12.02	.27	Meth: 010.XX PCT		
Meth: 001.99 PCT			Nitrogen From Urea			254	12.00	-.20	029	12.04	.26	<u>Total Nitrogen</u>		
<u>Ammoniacal Nitrogen</u>			<u>Urease (as N)</u>			185	11.85 R	-.97	028	12.03	.17	095	12.43 A	3.47
<u>Other</u>			288	1.10	-.71	102	11.82	-1.00	Avg	12.01		137	12.31	2.50
418	10.37 X	1.79	Meth: 009.10 PCT			Meth: 010.16 PCT			389	12.00	-.13	354	12.17 R	2.20
376	10.19	1.05	Ammon & Nitrate N			Total Nitrogen			361	12.01	-.14	041	12.20	1.63
096	10.18	.89	<u>Devarda</u>			<u>Raney</u>			233	11.99	-.24	073	12.19	1.58
320	10.14	.69	030	11.68 X	1.57	419	11.85	-.71	251	12.01	-.31	422	12.19	1.56
397	10.05	.30	Avg	10.43		Meth: 010.60 PCT			157	12.00	-.34	102	12.16	1.29
Avg	9.99		392	10.26	-.24	Total Nitrogen			292	11.97	-.36	025	12.15	1.22
419	9.95	-.31	258	10.04	-.50	<u>Combustion</u>			232	11.97	-.41	368	12.14	1.10
247	9.88	-.55	420	9.77	-.85	095	12.43 s	3.65	042	12.01	-.48	351	12.12	1.01
409	9.88	-.56	Meth: 010.10 PCT			041	12.20	1.65	325	11.96	-.50	114	12.12	.98
354	9.88	-.59	Total Nitrogen			073	12.19	1.61	324	11.98	-.59	037	12.10	.95
420	9.72	-1.34	<u>Reduced Iron</u>			422	12.19	1.58	406	11.95	-.60	369	12.11	.88
289	9.70	-1.41	405	12.09 X	.79	102	12.16	1.28	049	11.95	-.75	405	12.09 X	.70
Meth: 001.XX PCT			Avg	12.04		025	12.15	1.20	055	11.92	-.80	007	12.07	.69
<u>Ammoniacal Nitrogen</u>			072	11.99	-.93	351	12.12	.98	027	11.94	-.97	142	12.08	.68
389	11.85 s	7.40	Meth: 010.11 PCT			114	12.12	.95	040	11.90	-1.09	096	12.07	.66
418	10.37 X	1.65	Total Nitrogen			037	12.10	.93	360	11.89 R	-1.67	023	12.08	.65
029	10.33 X	1.49	<u>Modified Comprehensi</u>			369	12.11	.84	057	11.83	-1.69	247	12.08	.62
376	10.19	1.01	211	12.05	1.38	142	12.08	.62	072	11.82	-1.70	220	12.07	.60
096	10.18	.89	288	12.03	1.14	096	12.07	.61	009	11.80	-1.86	262	12.05	.58
320	10.14	.73	Avg	11.90		023	12.08	.59	034	11.73	-2.45	377	12.06	.52
416	10.11	.59	029	11.87	-.35	247	12.08	.55	043	11.73	-2.54	106	12.02	.51
397	10.05	.39	090	11.87	-.41	262	12.05	.55	Meth: 010.99 PCT			409	12.06	.50
Avg	9.96		220	12.07	.53	Meth: 010.99 PCT			Total Nitrogen			296	12.06	.50
419	9.95	-.20	Meth: 010.11 PCT			<u>Other</u>			Total Nitrogen			024	12.05	.45
247	9.88	-.32	Total Nitrogen			354 12.17 1.18			Total Nitrogen			042	12.01	.44
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits					

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.40 PCT			Meth: 020.XX PCT			Meth: 030.40 PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>		
211	12.05	.42	420	11.71 R	-2.52	<u>Automated</u>			414	30.83	.36	<u>Automated</u>		
029	12.04	.35	300	10.41 s	-12.84	042	31.43 s	5.01	247	30.81	.32	096	0.06	.83
131	12.02	.30	289	10.02 s	-15.85	409	30.90	.97	288	30.81	.27	409	0.07	.68
251	12.01	.29	Meth: 020.10 PCT			247	30.81	.65	090	30.78	.22	Avg	0.05	
028	12.03	.25	<u>Total Phosphate</u>			096	30.68	.22	416	30.79	.21	247	0.01	-1.16
288	12.03	.22	<u>Grav Quimociac</u>			Avg	30.62		389	30.75	.20	Meth: 030.XX PCT		
361	12.01	.13	405	30.94 X	1.24	320	30.61	- .22	Avg	30.74		<u>Insoluble Phosphate</u>		
389	12.00	.08	414	30.83	.82	193	30.10	-1.74	376	30.72	-.08	096	0.06	1.23
254	12.00	.02	157	30.65	.78	Meth: 020.50 PCT			313	30.67	-.25	409	0.07	1.15
Avg	12.00		090	30.78	.65	<u>Total Phosphate</u>			406	30.68	-.26	220	0.05	.69
233	11.99	-.11	313	30.67	.24	<u>ICP</u>			096	30.68	-.27	Avg	0.04	
292	11.97	-.22	Avg	30.61		247	31.13	1.11	220	30.65	-.38	090	0.02	-.67
072	11.99	-.25	095	30.45	-.64	389	30.75	.15	320	30.61	-.55	320	0.02	-.78
232	11.97	-.27	300	30.40	-.93	Avg	30.75		420	30.68	-.66	247	0.01	-1.07
157	12.00	-.28	114	30.15	-1.72	361	30.37	-1.12	157	30.65 R	-.83	Meth: 040.10 PCT		
362	11.96	-.30	Meth: 020.20 PCT			422	28.92 S	-5.34	324	30.48	-.97	<u>InDir Available Phos</u>		
325	11.96	-.34	<u>Total Phosphate</u>			Meth: 020.99 PCT			095	30.45	-1.12	<u>Grav Quim</u>		
406	11.95	-.45	<u>Spectrometric</u>			<u>Total Phosphate</u>			300	30.40	-1.37	090 30.76 -.71		
324	11.98	-.50	292	31.96 s	5.95	<u>Other</u>			361	30.37	-1.40	Meth: 040.20 PCT		
049	11.95	-.61	262	31.15	1.63	368	29.66 S	.00	114	30.15	-2.22	<u>InDir Available Phos</u>		
055	11.92	-.63	392	31.06	1.21	Meth: 020.XX PCT			193	30.10	-2.42	<u>Spectrometri</u>		
177	11.93	-.63	258	31.04	1.02	<u>Total Phosphate</u>			368	29.66 s	-4.08	289 30.73 .90		
027	11.94	-.83	362	31.04	1.01	042	31.43 s	5.48	422	28.92 s	-6.84	Avg 30.67		
040	11.90	-.90	419	30.90	.60	292	31.96 s	4.62	369	28.26 s	-12.13	220 30.60 -.83		
322	11.89	-1.01	418	30.85 X	.43	262	31.15	1.57	Meth: 030.10 PCT			Meth: 040.40 PCT		
029	11.87	-1.06	142	30.89	.35	247	31.13	1.47	<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>		
090	11.87	-1.08	Avg	30.85		392	31.06	1.26	<u>Grav Quimociac</u>			<u>Automated</u>		
220	11.87 X	-1.20	232	30.84	-.07	258	31.04	1.14	090	0.02	.00	409 30.84 .94		
419	11.85	-1.25	288	30.81	-.24	362	31.04	1.13	Avg	0.02		096 30.62 .32		
185	11.85	-1.38	416	30.79	-.36	405	30.94 X	.77	320	0.02	-1.22	193 30.10 -1.23		
102	11.82	-1.40	376	30.72	-.71	419	30.90	.72	Meth: 030.20 PCT			Avg 30.52		
057	11.83	-1.45	406	30.68	-.92	409	30.90	.69	<u>Insoluble Phosphate</u>			Meth: 030.20 PCT		
072	11.82	-1.46	220	30.65	-1.11	142	30.89	.61	<u>Spectrometric</u>			Avg 30.52		
360	11.89 R	-1.47	420	30.68 R	-1.28	418	30.85 X	.52	220	0.05	.71	193 30.10 -1.23		
009	11.80	-1.60	324	30.48	-1.97	232	30.84	.39						
414	11.75	-1.98	369	28.26 s	-17.64									
034	11.73	-2.15												
043	11.73	-2.22												

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 040.99 PCT			Meth: 041.10 PCT			Meth: 041.60 PCT			Meth: 041.XX PCT			Meth: 048.XX PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
<u>Other</u>			<u>Grav Quimociac</u>			<u>EDTA Extract</u>			049 30.72 .14			275 29.95 1.83		
247	30.72	.71	185	29.71 s	-4.46	377	30.97	1.66	Avg	30.67		Avg	27.03	
Meth: 040.XX PCT			Meth: 041.20 PCT			073 30.79 .67			351 30.67 -.02			247 26.66 -.23		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			043 30.79 .67			072 30.65 -.10			420 26.58 -.29		
409	30.84	.94	<u>Spectrometric</u>			037 30.79 .65			296 30.61 -.19			362 26.42 -.39		
090	30.76	.57	397	30.82	1.20	351 30.67 .05			322 30.60 -.20			193 25.55 -.93		
289	30.73	.53	106	30.72	1.01	Avg 30.67			095 30.54 -.37					
247	30.72	.43	362	30.36	.32	296 30.61 -.35			260 30.62 -.44			Meth: 050.00 PCT		
Avg	30.62		Avg 30.35			095 30.54 -.72			023 30.64 -.61			Soluble Potash		
096	30.62	-.23	055 30.00 -.61			177 30.44 -1.24			137 30.45 -.61			<u>STPB Oxalate</u>		
220	30.60	-.26	022 29.87 -.84			288 30.42 -1.49			177 30.44 -.63			090 20.49 s 46.16		
193	30.10	-2.17	030 29.66 S -1.36			Meth: 041.XX PCT			027 30.45 -.68			095 8.19 1.59		
Meth: 041.10 PCT			Meth: 041.40 PCT			<u>Dir Available Phosph</u>			029 30.52 -.73			043 8.12 1.34		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			254 31.70 2.72			288 30.42 -.75			416 8.06 1.11		
<u>Grav Quimociac</u>			<u>Automated</u>			360 31.27 1.65			362 30.36 -.89			057 7.98 R 1.10		
254	31.70	2.67	131	30.87	.88	041 31.18 1.33			022 30.31 -1.02			102 7.96 .77		
041	31.18	1.09	025	30.81	.62	211 31.18 1.33			028 30.28 -1.07			009 7.88 .50		
211	31.18	1.09	Avg 30.66			057 31.11 1.17			354 30.59 R -1.08			131 7.87 .43		
057	31.11	.92	027 30.45 -1.03			251 30.72 R 1.15			361 30.27 -1.09			055 7.87 .43		
009	30.98	.48	029 30.52 -1.13			009 30.98 .80			055 30.00 -1.86			258 7.83 .43		
040	30.96	.46	Meth: 041.50 PCT			022 29.87 -2.19			022 29.87 -2.19			022 7.85 .37		
055	30.88	.27	<u>Dir Available Phosph</u>			377 30.97 .79			030 29.66 s -2.82			029 7.84 .32		
296	30.82	.21	<u>ICP</u>			040 30.96 .76			007 29.59 -2.88			296 7.82 .24		
177	30.79	-.07	360 31.27 1.32			055 30.88 .56			185 29.71 s -3.65			211 7.81 .21		
102	30.79	-.08	251 30.72 .83			131 30.87 .52			Meth: 048.20 PCT			Avg 7.75		
049	30.72	-.30	354 30.59 .72			296 30.82 .43			<u>Water Soluble Phosph</u>			220 7.70 -.20		
414	30.70	-.38	023 30.64 .43			397 30.82 .38			<u>Spectrometric</u>			049 7.75 -.40		
029	30.71	-.38	325 30.78 .41			025 30.81 .36			247 26.66 .75			392 7.61 -.53		
131	30.70	-.39	Avg 30.55			177 30.79 .32			420 26.58 .60			418 7.63 X -.60		
072	30.65	-.50	361 30.27 -.51			073 30.79 .31			362 26.42 .26			350 7.51 -.88		
322	30.60	-.64	007 29.59 -1.72			043 30.79 .31			Avg 26.30			072 7.45 -1.15		
260	30.62 R	-.76				037 30.79 .30			193 25.55 -1.58			028 7.20 -2.01		
137	30.45	-1.11				102 30.79 .30			Meth: 048.99 PCT			Meth: 050.10 PCT		
022	30.31	-1.57				325 30.78 .28			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>		
028	30.28	-1.64				106 30.72 .23			<u>Other</u>			<u>STPB Citrate</u>		
* X=Excluded from lab performance			S/s=Screened Outlier			029 30.71 .19			275 29.95 .71			322 8.34 .71		
						131 30.70 .17			A=Analysis beyond 3-s limits					
						414 30.70 .15								

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 121.00 PCT			Meth: 121.XX PCT			Meth: 121.XX PCT			Meth: 144.99 PCT			Meth: 144.XX PCT		
Acid Soluble Magnesi			Acid Soluble Magnesi			Acid Soluble Magnesi			Sulfur			Sulfur		
AA			096	2.00 s	15.46				Other			028	5.27	.22
351	1.20	-.20	422	1.53 s	6.25				251	5.41	1.78	296	5.27	.13
296	1.18	-.90	251	1.32	2.10	Meth: 131.00 PCT			220	5.44	1.60	102	5.25	.04
392	1.18	-1.25	409	1.31	1.80	Water Soluble Magnes			361	5.38	1.28	Avg	5.24	
220	1.17	-1.44	300	1.28	1.30	AA			232	5.31	.93	137	5.21	-.13
397	1.15	-1.52	292	1.27	1.01	029	0.96	1.23	300	5.19	.74	023	5.19	-.24
258	1.15	-1.68	028	1.24	.94	Avg	0.84		296	5.27	.70	419	5.16	-.35
			137	1.26	.81	289	0.81	-.20	023	5.19	.29	131	5.15	-.42
			095	1.26	.81	220	0.74	-.97	419	5.16	.17	422	5.13	-.49
Meth: 121.30 PCT			037			Meth: 144.01 PCT			131			009		
Acid Soluble Magnesi			177			Sulfur			422			300		
ICP			360			Gravimetric			Avg			376		
096	2.00 s	12.94	361	1.25	.61	055	5.64	1.22	376	5.05	-.46	096	5.02	-.98
422	1.53 s	5.19	055	1.24	.50	043	5.62	1.10	096	5.02	-.58	360	4.97	-1.19
251	1.32	1.70	289	1.23	.50	288	5.59	1.06	360	4.97	-.83	177	4.94	-1.33
409	1.31	1.45	057	1.24	.42	220	5.53	.78	177	4.94	-1.01	354	5.10 R	-1.52
300	1.28	1.03	247	1.24	.42	095	5.53	.59	409	4.87	-1.36	409	4.87	-1.64
292	1.27	.78	023	1.23	.23	Avg	5.44		030	4.87	-1.37	030	4.87	-1.65
360	1.25	.45	157	1.23	.21	029	5.41	-.21	389	4.88	-1.42	389	4.88	-1.67
361	1.25	.45	029	1.22	.16	Avg	5.36	-.53	354	5.10 R	-1.63	397	3.94 s	-5.62
247	1.24	.29	Avg	1.21		028	5.27	-1.05	368	0.52 s	-23.34	292	3.55 s	-7.32
057	1.24	.29	040	1.21	-.14	102	5.25	-1.17				368	0.52 s	-20.47
023	1.23	.13	043	1.21	-.21	137	5.21	-1.39	Meth: 144.XX PCT			Meth: 151.00 PPM		
Avg	1.22		419	1.21	-.21	397	3.94 s	-9.06	Sulfur			Arsenic		
419	1.21	-.24	351	1.20	-.23				055	5.64	1.74	Atomic Absorption		
288	1.19	-.50	288	1.19	-.52	Meth: 144.02 PCT			043	5.62	1.65	040	13.51	.87
106	1.19	-.61	106	1.19	-.65	Sulfur			288	5.59	1.57	Avg	7.06	
324	1.16	-.99	296	1.18	-.79	Gravimetric			220	5.53	1.31	296	0.60	-.86
009	1.15	-1.17	392	1.18	-1.04	029	5.30	.71	095	5.53	1.25	Meth: 151.30 PPM		
102	1.15	-1.22	324	1.16	-1.10	Avg	5.30		251	5.41 R	1.18	Arsenic		
320	1.10	-1.94	220	1.17	-1.20	292	3.55 s	-82.26	220	5.44	.91	ICP		
354	1.08 R	-2.41	397	1.15	-1.28				029	5.41	.75	247	10.50	.83
232	0.27 s	-15.79	009	1.15	-1.31	Meth: 144.50 PCT			361	5.38	.61	106	9.05	.40
			102	1.15	-1.38	Sulfur			289	5.37	.61	288	8.91	.36
Meth: 121.99 PCT			258			Turbidimetric			324	5.36	.51	102	8.69	.30
Acid Soluble Magnesi			368						232	5.31	.32	Avg		
Other			320						029	5.30	.25	7.71		
368	1.19	.71	354	1.08 R	-2.80				A=Analysis beyond 3-s limits					
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large								

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 151.30 PPM			Meth: 165.70 PCT			Meth: 165.XX PCT			Meth: 181.99 PPM			Meth: 190.XX PCT		
Arsenic			Acid Soluble Boron			<u>Acid Soluble Boron</u>			Cadmium			<u>Water Soluble Chlori</u>		
<u>ICP</u>			<u>Titrimetric</u>			292 0.111 - .40			<u>Other</u>			288 5.00 .97		
042	1.41	-1.85	397	0.195 S	.00	057	0.110	-.42	368	12.50 S	26.40	009	4.70	.23
Meth: 151.99 PPM			Meth: 165.99 PCT			029 0.110 -.48			Avg 8.80			Avg 4.60		
Arsenic			Acid Soluble Boron			023 0.108 -.69			409 8.80 -.71			422 4.11 -1.22		
<u>Other</u>			<u>Other</u>			296 0.104 -1.24			Meth: 181.XX PPM			Meth: 191.30 PPM		
368	17.50	.87	360	0.128	1.31	289 0.103 -1.24			<u>Cadmium</u>			Chromium		
Avg 11.43			409 0.125 1.18			043 0.102 -1.39			368 12.50 s 8.22			<u>ICP</u>		
409 5.35 -.86			009 0.121 .79			324 0.101 -1.42			419 9.10 1.63			009 185.00 1.95		
Meth: 151.XX PPM			106 0.117 .48			055 0.100 -1.50			106 9.05 1.51			232 157.50 .99		
Arsenic			106 0.120 .44			Meth: 171.00 PCT			296 9.00 1.40			096 139.50 .42		
<u>ICP</u>			251 0.120 .44			Water Soluble Boron			409 8.80 1.02			042 130.90 .17		
368	17.50	1.87	354 0.118 .43			<u>AA</u>			040 8.46 .48			Avg 129.37		
040	13.51 R	1.13	368 0.120 .42			296 0.094 -.71			232 8.36 .37			419 122.00 -.27		
247	10.50	.54	Avg 0.116			Meth: 181.00 PPM			247 8.35 .16			102 127.90 -.30		
106	9.05	.25	288 0.114 -.25			Cadmium			Avg 8.28			389 110.50 -.66		
288	8.91	.23	422 0.111 -.66			Atomic Absorption			102 8.11 -.35			288 103.00 -.92		
102	8.69	.19	043 0.102 -1.75			296 9.00 1.36			389 8.00 -.55			247 88.05 -1.44		
Avg 7.75			324 0.101 -1.79			040 8.46 .44			096 8.00 -.55			Meth: 191.99 PPM		
409 5.35 -.46			Meth: 165.XX PCT			Avg 8.31			009 7.95 -.65			Chromium		
042 1.41 -1.21			Acid Soluble Boron			193 7.95 -.75			288 7.94 -.69			<u>Other</u>		
296 0.60 -1.37			397 0.195 s 8.63			397 7.81 -.95			193 7.95 -.71			409 185.00 .87		
Meth: 165.00 PCT			258 0.161 s 4.98			Meth: 181.30 PPM			042 7.36 -1.79			Avg 147.50		
Acid Soluble Boron			137 0.130 1.72			Cadmium			Meth: 190.00 PCT			368 110.00 -.86		
<u>Spectrometric</u>			360 0.128 1.45			<u>ICP</u>			Water Soluble Chlori			Meth: 191.XX PPM		
258	0.161 s	5.08	040 0.125 1.30			419 9.10 1.72			<u>Titrimetric</u>			Chromium		
137	0.130	1.93	409 0.125 1.30			106 9.05 1.60			422 4.11 .71			409 185.00 1.68		
040	0.125	1.50	009 0.121 .92			232 8.36 .43			Meth: 190.99 PCT			009 185.00 1.67		
392	0.114	.35	106 0.120 .65			247 8.35 .26			Water Soluble Chlori			232 157.50 .80		
Avg 0.111			251 0.120 .65			Avg 8.22			<u>Other</u>			096 139.50 .30		
057	0.110	-.14	368 0.120 .61			102 8.11 -.23			288 5.00 .89			Avg 132.67		
292	0.111	-.18	354 0.118 .53			096 8.00 -.42			Avg 4.85			042 130.90 -.15		
029	0.110	-.25	232 0.117 .52			389 8.00 -.42			009 4.70 -.84			102 127.90 -.31		
023	0.108	-.40	392 0.114 .21			009 7.95 -.53			Meth: 190.99 PCT			419 122.00 -.35		
289	0.103	-.92	288 0.114 .00			288 7.94 -.57			Water Soluble Chlori			389 110.50 -.71		
296	0.104	-.96	Avg 0.114			042 7.36 -1.65			<u>Other</u>			368 110.00 -.72		
055	0.100	-1.17	422 0.111 -.38			* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits								

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
Meth: 241.99 PCT			Meth: 241.XX PCT			Meth: 251.XX PPM			Meth: 281.30 PPM			Meth: 289.XX PPM				
Acid Soluble Iron			Acid Soluble Iron			Lead			Mercury			Molybdenum				
<u>Other</u>			296	0.67	-.69	368	45.00	1.99	<u>ICP</u>			368	22.00	1.99		
Avg	0.77		029	0.66	-.72	288	39.55	1.52	042	0.14	-.71	288	20.75	1.52		
368	0.69	-.87	177	0.65	-1.02	102	39.24	1.47	Meth: 281.XX PPM			409	18.00	.69		
Meth: 241.XX PCT			389	0.65	-1.04	389	38.50	.64	<u>Mercury</u>			232	16.20	.48		
Acid Soluble Iron			040	0.65	-1.06	009	37.30	.59	Avg			009	16.40	.10		
376	1.23 s	9.42	320	0.60	-1.85	232	36.65	.44	042	0.14	-.39	Avg				
096	1.02 s	5.72	292	0.60	-1.86	Avg	34.89		193	0.14	-1.16	419	15.00	-.34		
405	0.84 X	2.48	157	0.60	-1.90	296	34.65	-.23	Meth: 289.00 PPM			247	15.05	-.37		
289	0.83	2.21	Meth: 251.00 PPM			247	33.90	-.33	Molybdenum			102	13.97	-.68		
360	0.79	1.57	Lead			409	33.50	-.36	<u>Atomic Absorption</u>			040	13.85	-.71		
028	0.79	1.57	Atomic Absorption			040	34.68	-.44	040	13.85	.78	106	13.50	-.84		
137	0.76	.95	040	34.68	.97	042	30.63	-.78	Avg			296	12.15	-1.27		
409	0.76	.95	296	34.65	.79	193	30.00	-.93	296	12.15	-.94	042	2.74 s	-4.24		
057	0.75	.77	Avg	31.78		106	29.00	-1.04	Meth: 291.30 PPM			Nickel				
095	0.74	.76	193	30.00	-.68	397	27.80 X	-1.34	<u>ICP</u>			009	39.60	.83		
351	0.73	.51	397	27.80 X	-1.21	Meth: 261.30 PCT			Molybdenum			102	36.89	.57		
055	0.73	.49	Meth: 251.30 PPM			Acid Soluble Manganese			<u>ICP</u>			288	20.75 s	4.40		
106	0.72	.35	Lead			ICP			288	20.75 s	4.40	288	36.00	.49		
037	0.72	.35	<u>ICP</u>			422	0.102	1.20	232	16.20	1.45	232	35.35	.45		
023	0.72	.33	288	39.55	1.59	288	0.100	.98	009	16.40	1.05	106	33.50	.27		
042	0.72	.32	102	39.24	1.54	009	0.098	.78	247	15.05	.42	Avg				
354	0.71	.30	389	38.50	.61	Avg	0.093		Avg			247	26.50	-.37		
324	0.71	.27	009	37.30	.57	232	0.092	-.25	419	15.00	-.01	042	6.28	-2.20		
288	0.71	.10	232	36.65	.42	320	0.091	-.32	102	13.97	-.82	Meth: 301.00 PPM				
Avg	0.70		Avg	35.31		102	0.089	-.56	106	13.50	-1.21	Selenium				
043	0.70	-.16	247	33.90	-.40	292	0.080	-1.74	042	2.74 s	-9.30	<u>Atomic Absorption</u>				
251	0.70	-.16	419	33.00	-.58	Meth: 271.30 PCT			Meth: 289.99 PPM			040	0.12	.71		
009	0.69	-.19	042	30.63	-.91	Water Soluble Manganese			Molybdenum			Meth: 301.99 PPM				
419	0.69	-.23	106	29.00	-1.19	<u>ICP</u>			<u>Other</u>			Selenium				
368	0.69	-.25	Meth: 251.99 PPM			247	0.094	.71	368	22.00	.96	<u>Other</u>				
102	0.69	-.27	Lead			Meth: 281.00 PPM			Avg			296	0.19	.87		
300	0.69	-.29	<u>Other</u>			Mercury			409			18.00	-.76	368	0.01	-.86
397	0.69	-.33	368	45.00	.97	<u>Atomic Absorption</u>			Avg			Avg				
220	0.68	-.41	Avg	39.25		193	0.14	-.71	296			0.10				
422	0.68	-.50	368	45.00	.97	* X=Excluded from lab performance			368			0.01				
232	0.67	-.61	409	33.50	-.75	S/s=Screened Outlier			409			0.19				
247	0.67	-.68	R=Duplicate Range too large			A=Analysis beyond 3-s limits			409			.87				

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 301.XX PPM			Meth: 321.00 PCT			Meth: 321.99 PCT			Meth: 321.XX PCT					
<u>Selenium</u>			Acid Soluble Zinc			Acid Soluble Zinc			<u>Acid Soluble Zinc</u>					
296	0.19	1.01	<u>Atomic Absorption</u>			<u>Other</u>			320	0.574	-.91			
040	0.12	.23	351	0.595	.84	177	0.603	.84	296	0.545	-1.06			
Avg	0.10		220	0.575	.83	Avg	0.593		262	0.540	-1.18			
368	0.01	-1.19	289	0.590	.75	368	0.583	-.90	397	0.537	-1.27			
			095	0.587	.60				292	0.535	-1.31			
Meth: 311.30 PCT			028	0.573	.41	Meth: 321.XX PCT			042	0.510	-1.94			
Sodium			392	0.570	.32	<u>Acid Soluble Zinc</u>			258	0.500	-2.19			
<u>Flame Photometric</u>			Avg	0.569		389	0.735 A	3.65						
232	0.42	.86	043	0.555	-.48	288	0.662	1.98						
Avg	0.39		296	0.545	-.79	360	0.664	1.94						
320	0.37	-.87	262	0.540	-.93	023	0.648	1.55						
			397	0.537	-1.04	354	0.598 R	1.10						
Meth: 311.99 PCT			258	0.500	-2.24	419	0.630	1.08						
Sodium						102	0.629	1.02						
<u>Other</u>			Meth: 321.30 PCT			106	0.625	1.00						
422	0.49	1.45	Acid Soluble Zinc			040	0.596 R	.97						
Avg	0.43		<u>ICP</u>			409	0.626	.96						
102	0.43	-.62	389	0.735	2.44	057	0.622	.89						
009	0.41	-.68	288	0.662	1.18	073	0.605	.48						
288	0.41	-.73	360	0.664	1.12	251	0.605	.45						
			023	0.648	.83	177	0.603	.42						
Meth: 311.XX PCT			419	0.630	.45	055	0.596	.32						
Sodium			106	0.625	.43	289	0.590	.25						
422	0.49	1.75	102	0.629	.39	029	0.597	.24						
102	0.43	.69	409	0.626	.35	300	0.595	.22						
Avg	0.42		057	0.622	.33	351	0.595	.19						
232	0.42	-.12	Avg	0.609		Avg	0.588							
009	0.41	-.35	251	0.605	-.12	095	0.587	-.06						
288	0.41	-.39	300	0.595	-.28	009	0.585	-.14						
320	0.37	-1.29	009	0.585	-.47	422	0.583	-.15						
			422	0.583	-.51	368	0.583	-.25						
Meth: 321.00 PCT			324	0.584	-.60	232	0.576	-.30						
Acid Soluble Zinc			232	0.576	-.63	028	0.573	-.47						
<u>Atomic Absorption</u>			247	0.579	-.71	324	0.584	-.47						
040	0.596 R	1.50	354	0.598 R	-.87	392	0.570	-.50						
073	0.605	1.20	320	0.574	-.94	247	0.579	-.57						
055	0.596	.93	292	0.535	-1.43	220	0.575	-.69						
029	0.597	.90	042	0.510	-1.92	043	0.555	-.82						

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

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	6	1.01	2.64	0.15	060.XX	7	0.00	0.94	0.47
001.99	11	0.00	0.99	0.27	101.30	9	0.00	1.03	0.09
001.XX	17	0.43	2.03	0.21	101.XX	9	0.00	1.03	0.09
009.10	4	0.00	1.08	0.05	121.00	17	0.00	0.91	0.44
009.XX	4	0.00	1.08	0.05	121.30	20	0.00	4.94	0.27
010.10	2	0.00	1.12	0.36	121.XX	38	0.00	4.24	0.40
010.11	7	0.00	0.96	0.37	131.00	3	0.00	1.08	0.23
010.12	4	- 0.22	1.01	0.21	131.XX	3	0.00	1.08	0.23
010.60	48	0.05	1.08	0.37	144.01	11	- 0.82	2.88	0.28
010.99	6	- 2.51	3.99	0.59	144.02	2	- 41.13	58.17	0.50
010.XX	64	- 0.40	2.73	0.52	144.99	20	- 1.17	5.29	0.52
020.10	8	0.00	0.96	0.35	144.XX	32	- 1.09	3.99	0.37
020.20	17	- 0.52	3.83	2.68	151.00	2	0.00	1.21	0.12
020.40	6	0.45	1.43	1.74	151.30	5	0.00	1.06	0.09
020.50	4	- 1.34	2.82	0.10	151.99	2	0.00	1.22	0.05
020.XX	35	- 0.41	2.42	1.57	151.XX	9	0.12	1.03	0.10
030.10	2	0.00	0.00	0.87	165.00	11	0.461	1.795	0.253
030.40	3	0.00	1.01	0.39	165.99	12	0.000	0.968	0.316
030.XX	6	0.00	0.93	0.45	165.XX	24	0.567	2.199	0.272
040.20	2	0.00	0.86	0.61	181.00	4	0.00	1.04	0.24
040.40	3	0.00	1.08	0.24	181.30	10	0.00	1.01	0.20
040.XX	7	0.00	1.00	0.28	181.99	2	13.08	18.50	2.55
041.10	21	- 0.19	1.20	0.66	181.XX	16	0.51	2.26	0.32
041.20	6	0.00	0.97	0.35	190.99	2	0.00	1.19	0.20
041.40	4	0.00	0.88	0.54	190.XX	3	0.00	1.10	0.17
041.50	7	0.00	0.92	0.44	191.30	9	0.00	1.02	0.14
041.60	9	0.00	0.99	0.26	191.99	2	0.00	1.22	0.08
041.XX	41	- 0.08	1.08	0.58	191.XX	11	0.00	1.02	0.13
048.20	4	0.00	1.07	0.10	202.30	11	0.00	1.02	0.11
048.XX	5	0.00	1.06	0.03	202.99	2	0.00	1.16	0.27
050.00	22	2.14	9.88	0.24	202.XX	14	0.00	1.01	0.11
050.30	12	0.00	0.99	0.26	221.00	15	- 0.497	2.3911	0.2410
050.50	5	0.00	0.99	0.34	221.30	19	0.2842	2.1280	0.2591
050.51	6	0.03	0.95	0.14	221.XX	35	- 0.131	2.2367	0.3011
050.60	4	0.00	1.02	0.30	241.00	15	- 0.07	1.01	0.15
050.61	6	0.31	1.21	0.52	241.30	22	0.85	2.99	0.18
050.99	14	- 0.27	1.39	0.45	241.99	2	0.00	1.21	0.12
050.XX	66	0.43	4.37	0.28	241.XX	39	0.39	1.99	0.15
060.00	7	0.00	0.94	0.47	251.00	4	0.00	0.87	0.55

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
251.30	9	0.00	0.73	0.69					
251.99	2	0.00	1.03	0.47					
251.XX	15	0.00	0.82	0.59					
261.30	7	0.000	1.000	0.266					
261.XX	7	0.000	1.000	0.266					
281.XX	2	0.000	0.000	0.866					
289.00	2	0.00	1.06	0.43					
289.30	8	- 0.62	3.89	0.52					
289.99	2	0.00	0.96	0.54					
289.XX	12	- 0.35	1.54	0.28					
291.30	7	0.00	1.04	0.09					
291.XX	7	0.00	1.04	0.09					
301.99	2	0.00	1.22	0.09					
301.XX	3	0.00	1.11	0.12					
311.30	2	0.00	1.20	0.17					
311.99	4	0.00	0.98	0.38					
311.XX	6	0.00	0.99	0.31					
321.00	15	0.057	0.957	0.440					
321.30	20	- 0.011	0.946	0.336					
321.99	2	0.000	0.975	0.524					
321.XX	36	0.117	1.108	0.390					