

MAGRUDER - Fertilizer Check Sample No. - 200410 Grade 3-9-18

- Pass 1 Results for 90 Labs - - Pass 2 Results for 90 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avq.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avq.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	4	3.32	0.05	0.05	4	3.32	0.05	0.05
Ammoniacal Nitrogen, Other		001.99	14	3.40	0.06	0.04	14	3.40	0.06	0.04
Method Group 001.XX PCT			18	3.38	0.07	0.04	18	3.38	0.07	0.04
Nitrogen From Urea, Urease (as N)	959.03	005.00	1	0.11	0.02	0.03	1	0.11	0.02	0.03
Ammon & Nitrate N, Devarda	892.01	009.10	4	3.45	0.05	0.03	4	3.45	0.05	0.03
Total Nitrogen, Reduced Iron		010.10	2	3.53	0.10	0.04	2	3.53	0.10	0.04
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	3.35	0.11	0.03	5	3.35	0.11	0.03
Total Nitrogen, Salicylic	955.04D	010.12	7	3.44	0.06	0.01	6	3.42	0.05	0.01
Total Nitrogen, Raney	970.03	010.16	1	3.32	0.04	0.06	1	3.32	0.04	0.06
Total Nitrogen, Combustion		010.60	53	3.46	0.11	0.06	51	3.45	0.12	0.05
Total Nitrogen, Other		010.99	7	3.50	0.11	0.05	7	3.50	0.11	0.05
Method Group 010.XX PCT			76	3.45	0.12	0.05	74	3.44	0.12	0.04
Total Phosphate, Grav Quimociac	962.02	020.10	9	9.83	0.23	0.09	8	9.85	0.22	0.05
Total Phosphate, Spectrometric	958.01	020.20	20	9.76	0.17	0.08	19	9.75	0.16	0.07
Total Phosphate, Automated	978.01	020.40	8	9.79	0.32	0.25	8	9.84	0.36	0.19
Total Phosphate, ICP		020.50	6	9.71	0.32	0.10	6	9.71	0.32	0.10
Total Phosphate, Other		020.99	1	9.96	0.03	0.04	1	9.96	0.03	0.04
Method Group 020.XX PCT			44	9.78	0.24	0.11	41	9.78	0.22	0.07
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	2	0.08	0.02	0.01	2	0.08	0.02	0.01
Insoluble Phosphate, Spectrometric	963.03C	030.20	2	0.14	0.08	0.04	2	0.14	0.08	0.04
Insoluble Phosphate, Automated	978.01	030.40	2	0.14	0.06	0.00	2	0.14	0.06	0.00
Insoluble Phosphate, Other		030.99	1	0.11	0.02	0.03	1	0.11	0.02	0.03
Method Group 030.XX PCT			7	0.12	0.06	0.02	7	0.12	0.06	0.02
InDir Available Phosphate, Grav Quim ..	960.02	040.10	2	9.53	0.31	0.03	2	9.53	0.31	0.03
InDir Available Phosphate, Spectrometri	960.02	040.20	2	9.50	0.10	0.17	2	9.50	0.10	0.17
InDir Available Phosphate, Automated ..	960.02	040.40	1	9.53	0.03	0.04	1	9.53	0.03	0.04
InDir Available Phosphate, ICP		040.50	1	9.30	0.04	0.06	1	9.30	0.04	0.06
InDir Available Phosphate, Other		040.99	2	9.52	0.37	0.43	2	9.52	0.37	0.43
Method Group 040.XX PCT			8	9.49	0.23	0.17	7	9.51	0.19	0.08
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	18	9.74	0.14	0.05	18	9.74	0.14	0.05
Dir Available Phosphate, Spectrometric	960.03D	041.20	4	9.68	0.24	0.05	4	9.68	0.24	0.05
Dir Available Phosphate, Automated	978.01	041.40	4	9.75	0.06	0.03	3	9.74	0.06	0.01
Dir Available Phosphate, ICP		041.50	8	9.77	0.26	0.09	9	9.70	0.32	0.11
Dir Available Phosphate, EDTA Extract .	993.01	041.60	14	9.69	0.14	0.11	13	9.69	0.12	0.08
Method Group 041.XX PCT			52	9.69	0.21	0.09	49	9.71	0.19	0.06
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	7.06	0.06	0.08	1	7.06	0.06	0.08
Water Soluble Phosphate, Spectrometric	970.01	048.20	5	7.45	0.43	0.07	5	7.45	0.43	0.07
Water Soluble Phosphate, Other		048.99	1	7.33	0.07	0.10	1	7.33	0.07	0.10
Method Group 048.XX PCT			7	7.38	0.39	0.07	7	7.38	0.39	0.07

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Method	AOAC Ref.	Method Code	No. of Labs	Grand Avq.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avq.	Std. Dev.	Average Range of Dups
Soluble Potash, STPB Oxalate	958.02	050.00	19	18.76	0.15	0.07	18	18.76	0.15	0.06
Soluble Potash, STPB Citrate	969.04	050.10	1	18.05	0.01	0.01	1	18.05	0.01	0.01
Soluble Potash, AA (Oxalate)		050.30	13	18.55	0.55	0.18	13	18.55	0.55	0.18
Soluble Potash, AA (Citrate)		050.31	1	19.02	0.02	0.03	1	19.02	0.02	0.03
Soluble Potash, ICP (Oxalate)		050.50	7	18.65	0.32	0.16	7	18.65	0.32	0.16
Soluble Potash, ICP (Citrate)		050.51	10	18.62	0.40	0.10	9	18.58	0.41	0.06
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	7	18.95	0.38	0.14	6	18.97	0.39	0.07
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	8	18.93	0.35	0.15	8	18.93	0.35	0.15
Soluble Potash, Other		050.99	15	18.78	0.70	0.21	14	18.72	0.68	0.15
Method Group 050.XX PCT			83	18.73	0.47	0.14	77	18.69	0.44	0.10
Free Water, Vacuum Oven	965.08B	060.00	8	0.52	0.20	0.11	7	0.50	0.19	0.07
Free Water, Other		060.99	1	1.19	0.08	0.11	1	1.19	0.08	0.11
Method Group 060.XX PCT			9	0.60	0.29	0.11	8	0.58	0.29	0.07
Acid Soluble Calcium, AA	945.04	101.00	12	6.52	0.35	0.11	10	6.60	0.30	0.05
Acid Soluble Calcium, ICP		101.30	22	6.49	0.49	0.17	22	6.49	0.49	0.17
Acid Soluble Calcium, Titrimetric	945.03	101.70	1	6.58	0.21	0.30	1	6.58	0.21	0.30
Acid Soluble Calcium, Other		101.99	3	6.76	0.29	0.02	3	6.76	0.29	0.02
Method Group 101.XX PCT			38	6.52	0.43	0.14	36	6.52	0.43	0.12
Acid Soluble Magnesium, AA	984.01	121.00	15	2.20	0.15	0.03	15	2.20	0.15	0.03
Acid Soluble Magnesium, ICP		121.30	21	2.21	0.11	0.04	20	2.20	0.11	0.03
Acid Soluble Magnesium, Other		121.99	4	2.28	0.07	0.02	4	2.28	0.07	0.02
Method Group 121.XX PCT			40	2.21	0.13	0.03	37	2.22	0.11	0.03
Water Soluble Magnesium, AA		131.00	2	1.77	0.25	0.02	2	1.77	0.25	0.02
Water Soluble Magnesium, ICP		131.30	1	2.02	0.02	0.03	1	2.02	0.02	0.03
Method Group 131.XX PCT			3	1.85	0.23	0.02	3	1.85	0.23	0.02
Sulfur, Gravimetric	980.02a	144.01	14	8.17	0.18	0.10	12	8.15	0.15	0.04
Sulfur, Gravimetric	980.02b	144.02	2	7.93	0.23	0.06	2	7.93	0.23	0.06
Sulfur, Spectrometric		144.70	1	7.19	0.09	0.13	1	7.19	0.09	0.13
Sulfur, Other		144.99	21	7.99	0.41	0.14	19	7.98	0.39	0.06
Method Group 144.XX PCT			38	8.03	0.36	0.12	35	8.02	0.35	0.06
Arsenic, Atomic Absorption		151.00	4	46.26	8.28	1.28	4	46.26	8.28	1.28
Arsenic, ICP		151.30	8	44.89	4.83	3.59	8	44.89	4.83	3.59
Arsenic, Other		151.99	1	48.70	0.71	1.00	1	48.70	0.71	1.00
Method Group 151.XX PPM			13	45.61	5.87	2.68	12	45.39	5.90	2.11
Acid Soluble Boron, Spectrometric	982.01	165.00	11	0.132	0.008	0.003	10	0.132	0.009	0.002
Acid Soluble Boron, Other		165.99	13	0.131	0.008	0.005	12	0.131	0.008	0.003
Method Group 165.XX PCT			24	0.131	0.008	0.004	23	0.131	0.008	0.003
Water Soluble Boron, Spectrometric	982.01	171.10	2	0.116	0.004	0.005	2	0.116	0.004	0.005
Cadmium, Atomic Absorption		181.00	4	1.21	0.34	0.21	4	1.21	0.34	0.21

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Cadmium, ICP		181.30	10	1.55	0.65	0.23	9	1.42	0.52	0.14
Cadmium, Other		181.99	1	1.25	0.07	0.10	1	1.25	0.07	0.10
Method Group 181.XX PPM			15	1.44	0.57	0.21	14	1.35	0.45	0.16
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	12	11.72	0.21	0.12	11	11.74	0.21	0.10
Water Soluble Chlorine, Other		190.99	5	11.73	0.42	0.07	5	11.73	0.42	0.07
Method Group 190.XX PCT			17	11.73	0.28	0.11	16	11.73	0.29	0.09
Chromium, Atomic Absorption		191.00	2	246.75	27.84	12.50	2	246.75	27.84	12.50
Chromium, ICP		191.30	11	185.12	24.04	8.97	11	185.12	24.04	8.97
Chromium, Other		191.99	1	173.50	3.54	5.00	1	173.50	3.54	5.00
Method Group 191.XX PPM			14	193.09	32.29	9.19	14	193.09	32.29	9.19
Acid Soluble Cobalt, AA		202.00	2	76.00	7.35	8.00	2	76.00	7.35	8.00
Acid Soluble Cobalt, ICP	965.11	202.30	12	56.86	40.93	4.26	12	56.86	40.93	4.26
Acid Soluble Cobalt, Other		202.99	1	107.50	3.54	5.00	1	107.50	3.54	5.00
Method Group 202.XX PPM			15	62.79	39.06	4.81	15	62.79	39.06	4.81
Acid Soluble Copper, Atomic Absorption	975.01	221.00	4	0.1199	0.0278	0.0066	4	0.1199	0.0278	0.0066
Acid Soluble Copper, ICP		221.30	22	0.1201	0.0259	0.0101	21	0.1190	0.0254	0.0081
Acid Soluble Copper, Other		221.99	3	0.1267	0.0161	0.0100	3	0.1267	0.0161	0.0100
Method Group 221.XX PCT			29	0.1208	0.0251	0.0096	28	0.1199	0.0246	0.0081
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	0.43	0.11	0.02	2	0.43	0.11	0.02
Acid Soluble Iron, ICP		241.30	17	0.47	0.06	0.01	17	0.47	0.06	0.01
Method Group 241.XX PCT			19	0.47	0.07	0.01	19	0.47	0.07	0.01
Lead, Atomic Absorption		251.00	4	17.84	4.57	2.27	4	17.84	4.57	2.27
Lead, ICP		251.30	11	21.64	4.13	2.40	11	21.64	4.13	2.40
Lead, Other		251.99	2	24.93	4.83	0.55	2	24.93	4.83	0.55
Method Group 251.XX PPM			17	21.14	4.68	2.15	17	21.14	4.68	2.15
Acid Soluble Manganese, AA	972.02a	261.00	13	1.550	0.119	0.056	12	1.544	0.119	0.046
Acid Soluble Manganese, AA	972.02b	261.11	3	1.588	0.077	0.017	3	1.588	0.077	0.017
Acid Soluble Manganese, ICP	972.02a	261.30	20	1.532	0.186	0.051	21	1.508	0.211	0.049
Acid Soluble Manganese, ICP	972.02b	261.31	3	1.574	0.043	0.024	3	1.574	0.043	0.024
Acid Soluble Manganese, Other		261.99	4	1.505	0.069	0.039	4	1.505	0.069	0.039
Method Group 261.XX PCT			43	1.542	0.146	0.047	40	1.547	0.127	0.041
Water Soluble Manganese, Atomic Abs ...	972.03	271.00	1	0.096	0.003	0.004	1	0.096	0.003	0.004
Water Soluble Manganese, ICP	972.03	271.30	1	0.137	0.003	0.004	1	0.137	0.003	0.004
Method Group 271.XX PCT			2	0.117	0.024	0.004	2	0.117	0.024	0.004
Mercury, Atomic Absorption		281.00	1	0.03	0.01	0.01	1	0.03	0.01	0.01
Mercury, Other		281.99	2	0.40	0.41	0.07	2	0.40	0.41	0.07
Method Group 281.XX PPM			3	0.28	0.37	0.05	3	0.28	0.37	0.05
Molybdenum, Atomic Absorption		289.00	2	12.10	2.34	1.10	2	12.10	2.34	1.10
Molybdenum, ICP		289.30	12	14.33	3.33	0.59	12	14.33	3.33	0.59

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Molybdenum, Other		289.99	1	15.65	0.35	0.50	1	15.65	0.35	0.50
Method Group 289.XX PPM			15	14.12	3.19	0.65	15	14.12	3.19	0.65
Nickel, Atomic Absorption		291.00	2	88.75	6.18	6.50	2	88.75	6.18	6.50
Nickel, ICP		291.30	12	89.67	15.54	4.28	12	89.67	15.54	4.28
Nickel, Other		291.99	1	79.95	6.58	9.30	1	79.95	6.58	9.30
Method Group 291.XX PPM			15	88.90	14.24	4.91	15	88.90	14.24	4.91
Selenium, Atomic Absorption		301.00	1	0.13	0.02	0.03	1	0.13	0.02	0.03
Selenium, ICP		301.30	2	2.47	1.65	0.31	2	2.47	1.65	0.31
Method Group 301.XX PPM			3	1.69	1.76	0.22	3	1.69	1.76	0.22
Sodium, Atomic Absorption	983.04	311.00	1	0.56	0.03	0.04	1	0.56	0.03	0.04
Sodium, Flame Photometric	974.01	311.30	1	0.52	0.00	0.00	1	0.52	0.00	0.00
Sodium, Other		311.99	7	0.56	0.03	0.02	7	0.56	0.03	0.02
Method Group 311.XX PCT			9	0.56	0.03	0.02	9	0.56	0.03	0.02
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	16	0.454	0.044	0.012	15	0.453	0.044	0.010
Acid Soluble Zinc, ICP		321.30	24	0.452	0.036	0.015	23	0.451	0.035	0.012
Acid Soluble Zinc, Other		321.99	4	0.444	0.026	0.014	4	0.444	0.026	0.014
Method Group 321.XX PCT			44	0.452	0.038	0.014	41	0.450	0.037	0.011
Water Soluble Zinc, Atomic Absorption .		325.00	1	0.100	0.000	0.000	1	0.100	0.000	0.000

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: 010.60 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>						<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Combustion</u>		
030	6.96 s	68.96	398	3.42	.54	288	3.45	.96	177	3.55	.85	027	3.37	-.71
090	3.38	1.12	096	3.41	.39	105	3.42	.68	234	3.55	.80	324	3.32	-1.13
288	3.34	.29	247	3.40	.24	090	3.39	.36	106	3.54	.75	095	3.33	-1.25
Avg	3.32		320	3.40	.18	Avg	3.35		037	3.51	.66	041	3.35 R	-1.35
415	3.31	-.72	397	3.39	.06	073	3.31	-.50	162	3.50	.54	411	3.23	-1.91
324	3.27	-1.29	Avg	3.38		322	3.17	-1.65	117	3.50	.49	426	3.23	-1.96
			105	3.38	-.16				055	3.46	.47	034	3.23	-1.97
			090	3.38	-.31				361	3.50	.40	292	3.19	-2.25
Meth: 001.99 PCT			Meth: 010.12 PCT			Meth: 010.12 PCT			Meth: 010.60 PCT			Meth: 010.99 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>Other</u>			<u>Salicylic</u>			<u>Salicylic</u>			<u>Other</u>			<u>Other</u>		
409	3.56 s	3.53	288	3.34	-.67	137	3.52 R	2.21	057	3.48	.36	102	12.16 s	80.51
420	3.49	1.70	419	3.33	-1.22	415	3.50	1.70	023	3.49	.32	300	3.70	1.82
376	3.49	1.56	415	3.31	-1.25	397	3.44	.44	360	3.46	.30	420	3.57	.74
418	3.45 X	.77	193	3.30	-1.27	185	3.43	.28	007	3.48	.30	354	3.54	.56
300	3.44	.57	324	3.27	-1.83	Avg	3.42		247	3.48	.30	Avg	3.50	
398	3.42	.31	220	3.23 s	-2.70	351	3.41	-.39	131	3.49	.29	368	3.44	-.56
096	3.41	.26	Meth: 005.00 PCT			102	3.40	-.53	102	3.47	.25	042	3.45	-.66
Avg	3.40		<u>Nitrogen From Urea</u>			254	3.36	-1.38	136	3.47	.24	072	3.41	-.84
247	3.40	-.02	<u>Urease (as N)</u>						231	3.48	.24	105	3.40	-.95
320	3.40	-.13	288	0.11	.71	Meth: 010.16 PCT			406	3.46	.22			
397	3.39	-.25	Meth: 009.10 PCT			<u>Total Nitrogen</u>			220	3.46	.05			
105	3.38	-.44	<u>Ammon & Nitrate N</u>			<u>Raney</u>			307	3.46	.05			
393	3.40	-.83	<u>Devarda</u>						Avg	3.46				
362	3.35	-.92	030	5.86 s	44.63	Meth: 010.60 PCT			232	3.45	-.01			
419	3.33	-1.56	257	3.50	1.00	<u>Total Nitrogen</u>			233	3.45	-.14			
193	3.30	-1.69	392	3.48	.71	<u>Combustion</u>			296	3.43	-.19			
220	3.23 s	-3.22	Avg	3.45					028	3.44	-.20			
			169	3.44 X	-.23	Meth: 010.10 PCT			422	3.44	-.22			
			090	3.38	-1.40	<u>Total Nitrogen</u>			423	3.43	-.23			
Meth: 001.XX PCT			Meth: 010.10 PCT			<u>Reduced Iron</u>			072	3.44	-.36			
<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>						035	3.45	-.39			
030	6.96 s	54.00	Meth: 010.10 PCT						393	3.41	-.40			
409	3.56 s	3.40	<u>Total Nitrogen</u>						330	3.45	-.43			
420	3.49	1.77	<u>Reduced Iron</u>						009	3.41	-.44			
376	3.49	1.66	405	3.62	.90				325	3.40	-.45			
418	3.45 X	.95	Avg	3.53					040	3.40	-.53			
393	3.40	.79	072	3.45	-.83				377	3.39	-.59			
300	3.44	.77												
* 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: 020.10 PCT			Meth: 020.40 PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
157	3.57	1.02	296	3.43	-.12	<u>Grav Quimociac</u>			<u>Automated</u>			288	10.02	1.28
402	3.55	.99	185	3.43	-.15	414	9.89	.17	042	10.44 S	1.74	362	10.06	1.27
409	3.50 R	.97	423	3.43	-.17	090	9.86	.11	330	10.05 R	1.31	114	10.03	1.13
177	3.55	.89	028	3.44	-.17	117	9.86	.10	193	10.25	1.16	389	10.00	1.01
354	3.54	.89	422	3.44	-.19	Avg 9.85			Avg 9.75			292	10.00	.99
234	3.55	.85	105	3.42	-.22	105	9.84	-.23	247	9.78	-.18	390	9.93	.84
106	3.54	.80	072	3.41	-.29	300	9.64 R	-1.38	320	9.75	-.24	368	9.96	.83
037	3.51	.70	351	3.41	-.33	405	9.35	-2.27	096	9.72	-.33	392	9.91	.62
137	3.52	.66	393	3.41	-.34	157	8.19 s	-10.12	105	9.71	-.41	406	9.89	.51
162	3.50	.58	072	3.44	-.34	Meth: 020.20 PCT			035	9.59	-.67	095	9.87	.50
117	3.50	.54	325	3.40	-.38	<u>Total Phosphate</u>			409	9.45	-1.52	414	9.89	.49
055	3.46	.47	009	3.41	-.39	<u>Spectrometric</u>			Meth: 020.50 PCT			422	9.79	.41
415	3.50	.46	102	3.40	-.39	397	13.55 s	24.01	<u>Total Phosphate</u>			117	9.86	.38
361	3.50	.45	105	3.40	-.41	362	10.06	1.96	<u>ICP</u>			090	9.86	.36
024	3.50	.43	040	3.40	-.47	288	10.02 R	1.93	361	10.11	1.23	419	9.84	.33
042	3.45	.43	090	3.39	-.50	292	10.00	1.57	389	10.00	.89	231	9.84	.33
330	3.45	.43	377	3.39	-.53	390	9.93	1.34	422	9.79	.37	Avg 9.78		
049	3.49	.42	027	3.37	-.64	392	9.91	1.07	423	9.72	.11	247	9.78	-.12
057	3.48	.40	254	3.36	-.71	406	9.89	.91	Avg 9.71			320	9.75	-.17
035	3.45	.38	324	3.32	-1.06	231	9.84	.64	402	9.40	-1.01	232	9.75	-.24
023	3.49	.37	419	3.32	-1.08	419	9.84	.64	426	9.25	-1.43	096	9.72	-.30
131	3.49	.35	095	3.33	-1.18	232	9.75	.25	Meth: 020.99 PCT			423	9.72	-.35
247	3.48	.35	073	3.31	-1.19	Avg 9.75			<u>Total Phosphate</u>			420	9.71	-.36
007	3.48	.35	041	3.35 R	-1.29	420	9.71	-.30	<u>Other</u>			257	9.70	-.41
360	3.46	.31	411	3.23	-1.82	257	9.70	-.34	Avg 9.96			363	9.70	-.45
231	3.48	.29	426	3.23	-1.87	363	9.70	-.43	368	9.96	-.71	105	9.71	-.50
102	3.47	.28	034	3.23	-1.88	376	9.67	-.48	398	9.02 S	-33.06	376	9.67	-.52
136	3.47	.28	292	3.19	-2.16	234	9.63	-.74	Meth: 020.XX PCT			234	9.63	-.70
406	3.46	.23	114	3.18 s	-2.29	169	9.63 X	-.74	<u>Total Phosphate</u>			169	9.63 X	-.70
233	3.45	.13	322	3.17	-2.35	418	9.61 X	-.92	397	13.55 s	17.47	418	9.61 X	-.83
307	3.46	.10	369	3.14	-2.58	381	9.59	-.99	042	10.44 s	3.16	035	9.59	-.87
220	3.46	.10	Meth: 020.10 PCT			324	9.57	-1.12	330	10.05 R	2.32	381	9.59	-.89
288	3.45	.10	<u>Total Phosphate</u>			220	9.59	-1.14	042	10.44 s	3.16	324	9.57	-.98
232	3.45	.05	<u>Grav Quimociac</u>			369	9.57	-1.21	193	10.25	2.19	220	9.59	-.98
072	3.45	.04	411	10.13	1.24	Meth: 020.10 PCT			369	9.57	-1.05	369	9.57	-1.05
Avg	3.45		114	10.03	.79	<u>Total Phosphate</u>			411	10.13	1.60	300	9.64 R	-1.21
397	3.44	-.07	095	9.87	.28	<u>Grav Quimociac</u>			361	10.11	1.53	402	9.40	-1.83
368	3.44	-.09	S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits					

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 020.XX PCT			Meth: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.20 PCT			Meth: 041.60 PCT		
<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
405	9.35	-2.00	096	0.19	1.30	090	9.80	1.52	<u>Spectrometric</u>			<u>EDTA Extract</u>		
409	9.45 R	-2.37	Avg	0.12		247	9.67	.89	055	9.91	1.02	043	9.77	.66
426	9.25	-2.46	247	0.11	-.34	220	9.51	.53	362	9.87	.82	377	9.75	.62
398	9.02 s	-3.51	405	0.10	-.41	096	9.53	.16	Avg	9.68		073	9.73	.39
157	8.19 s	-10.13	409	0.08	-.58	Avg	9.51		030	9.52	-.69	057	9.73	.34
			220	0.08	-.69	363	9.48	-.36	415	9.40	-1.15	Avg	9.69	
			090	0.06	-1.02	423	9.30	-1.10				288	9.68	-.13
Meth: 030.10 PCT			Meth: 040.10 PCT			Meth: 041.10 PCT			Meth: 041.40 PCT			Meth: 041.XX PCT		
<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
<u>Grav Quimociac</u>			<u>Grav Quim</u>			<u>Grav Quimociac</u>			<u>Automated</u>			<u>Dir Available Phosph</u>		
405	0.10	.88	090	9.80	.87	254	10.02	1.97	393	9.77 R	.79	106	9.54	-1.29
Avg	0.08		Avg	9.53		055	9.91	1.23	025	9.79	.72	351	9.54	-1.36
090	0.06	-.85	405	9.25	-.86	105	9.89	1.09	131	9.78	.58	095	9.52	-1.45
						009	9.77	.36	Avg	9.74		105	9.61 R	-2.08
Meth: 030.20 PCT			Meth: 040.20 PCT			Meth: 041.50 PCT			Meth: 041.50 PCT			Meth: 041.50 PCT		
<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
<u>Spectrometric</u>			<u>Spectrometri</u>			<u>ICP</u>			<u>ICP</u>			<u>Dir Available Phosph</u>		
363	0.21	.89	220	9.51	1.02	040	9.75	.17	361	10.02	1.00	397	13.84 s	21.69
Avg	0.14		Avg	9.50		022	9.75	.06	022	10.01	.99	361	10.02	1.64
220	0.08	-.84	363	9.48	-.67	Avg	9.74		023	9.97	.83	022	10.01	1.62
						177	9.73	-.06	360	9.95	.78	254	10.02	1.61
Meth: 030.40 PCT			Meth: 040.40 PCT			Meth: 040.50 PCT			Meth: 041.60 PCT			Meth: 041.60 PCT		
<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
<u>Automated</u>			<u>Automated</u>			<u>ICP</u>			<u>EDTA Extract</u>			<u>EDTA Extract</u>		
096	0.19	.86	096	9.53	-.71	102	9.59	-1.08	325	9.32	-1.17	023	9.97	1.36
Avg	0.14					322	9.36	-2.66	007	9.72	.35	360	9.95	1.28
409	0.08	-.87				028	9.72	-.16	Avg	9.77		055	9.91	1.10
						049	9.72	-.42	393	9.68	-.20	055	9.91	1.07
Meth: 030.99 PCT			Meth: 040.50 PCT			Meth: 040.99 PCT			Meth: 041.60 PCT			Meth: 041.60 PCT		
<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
<u>Other</u>			<u>ICP</u>			<u>Other</u>			<u>EDTA Extract</u>			<u>EDTA Extract</u>		
423	0.42 S	14.62	423	9.30	-.71	185	9.47 s	-3.23	354	9.13 S	-1.81	028	9.97	1.06
247	0.11	.71				137	9.10 s	-4.51	043	9.50	-.62	105	9.89	.96
Avg	0.11								325	9.32	-1.17	362	9.87	.86
									041	9.61	-1.02	233	9.82	.61
Meth: 030.XX PCT			Meth: 040.99 PCT			Meth: 040.99 PCT			Meth: 041.60 PCT			Meth: 041.60 PCT		
<u>Insoluble Phosphate</u>			<u>Other</u>			<u>Other</u>			<u>EDTA Extract</u>			<u>EDTA Extract</u>		
423	0.42 s	5.33	247	9.67	.44	102	9.59	-1.08	397	13.84 s	33.98	136	9.81	.54
363	0.21	1.63	Avg	9.52		322	9.36	-2.66	028	9.90	1.78	025	9.79	.43
* X=Excluded from lab performance						185	9.47 s	-3.23	296	9.78	.76	296	9.78	.41
						137	9.10 s	-4.51	177	9.78	.71	009	9.77	.39
									397	13.84 s	33.98	131	9.78	.38
									028	9.90	1.78	393	9.77 X	.38
									296	9.78	.76	177	9.78	.37
									177	9.78	.71	043	9.77	.35

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.XX PCT			Meth: 048.10 PCT			Meth: 050.00 PCT			Meth: 050.30 PCT			Meth: 050.60 PCT		
<u>Dir Available Phosph</u>			Water Soluble Phosph			Soluble Potash			Soluble Potash			Soluble Potash		
377	9.75	.34	<u>Grav Quimociac</u>			<u>STPB Oxalate</u>			<u>AA (Oxalate)</u>			<u>Flame (Oxalate)</u>		
072	9.77	.30	405	7.06	.71	411	18.85	.61	351	17.82	-1.33	415	20.85 s	4.85
049	9.72	.29	Meth: 048.20 PCT			055	18.82	.53	420	17.49	-1.94	406	19.68	1.82
040	9.75	.25	Water Soluble Phosph			043	18.77	.44	Meth: 050.31 PCT			131	19.04	.23
073	9.73	.21	<u>Spectrometric</u>			028	18.81	.39	Soluble Potash			Avg	18.97	
022	9.75	.20	193	8.05	1.38	350	18.78	.11	<u>AA (Citrate)</u>			037	18.96	-.07
057	9.73	.16	420	7.83	.86	220	18.77	.10	137	19.02	.71	055	18.85	-.30
131	9.73	.12	Avg	7.45		257	18.77	.07	Meth: 050.50 PCT			288	18.85	-.31
177	9.73	.12	362	7.26	-.46	114	18.77	.05	Soluble Potash			105	18.88 R	-.77
028	9.72	.05	363	7.16	-.68	Avg	18.76		ICP (Oxalate)			169	18.43 X	-1.39
Avg	9.71		096	6.98	-1.09	049	18.75	-.21	324	19.01	1.18	Meth: 050.61 PCT		
288	9.68	-.15	Meth: 048.99 PCT			102	18.73	-.80	418	18.92 X	.86	Soluble Potash		
260	9.69	-.22	Water Soluble Phosph			233	18.63	-.92	402	18.75	.86	<u>Flame (Citrate)</u>		
027	9.66	-.22	<u>Other</u>			392	18.63	-.93	106	18.77	.40	041	19.38	1.45
037	9.66	-.26	247	7.33	.71	296	18.53	-1.61	Avg	18.65		025	19.32	1.10
393	9.68	-.35	Meth: 048.XX PCT			072	18.41	-2.43	292	18.61	-.22	024	19.12	.54
296	9.67	-.37	Water Soluble Phosph			022	18.15 s	-4.27	422	18.24	-1.29	Avg	18.93	
041	9.61	-.62	<u>Other</u>			Meth: 050.10 PCT			354	18.23	-1.32	105	18.93	-.23
102	9.59	-.64	Meth: 048.XX PCT			Soluble Potash			Meth: 050.51 PCT			057	18.93	-.33
220	9.64	-.80	Water Soluble Phosph			STPB Citrate			Soluble Potash			028	18.80	-.38
106	9.54	-.91	193	8.05	1.72	322	18.05	-.71	ICP (Citrate)			035	18.65	-.81
351	9.54	-.94	420	7.83	1.15	Meth: 050.30 PCT			389	19.00	1.02	030	18.33	-1.72
095	9.52	-1.01	Avg	7.38		Soluble Potash			361	18.99	.99	Meth: 050.99 PCT		
030	9.52	-1.03	247	7.33	-.18	AA (Oxalate)			007	18.91 R	.94	Soluble Potash		
043	9.50	-1.09	362	7.26	-.33	040	19.19	1.22	023	18.91	.82	<u>Other</u>		
105	9.61 R	-1.36	363	7.16	-.57	073	19.11	1.03	009	18.88	.73	390	19.89	1.77
072	9.43	-1.58	405	7.06	-.83	042	19.06	.95	377	18.70	.29	330	19.59 R	1.47
415	9.40	-1.59	096	6.98	-1.03	397	18.99	.90	Avg	18.58		260	19.54	1.21
322	9.36	-1.81	Meth: 050.00 PCT			369	18.92	.73	043	18.51	-.23	177	19.35	.93
325	9.32	-2.01	Soluble Potash			234	18.84	.58	393	18.34	-.60	419	19.20	.83
185	9.47 R	-2.31	<u>STPB Oxalate</u>			136	18.74	.36	423	18.10	-1.21	360	19.09	.56
262	9.15 A	-2.99	193	19.65 s	6.07	Avg	18.55		096	17.85	-1.82	027	19.03	.49
354	9.13 s	-3.09	090	18.99	1.62	095	18.52	-.09	Meth: 050.50 PCT			022	19.05	.48
			073	18.93	1.14	185	18.25	-.55	Soluble Potash			Avg	18.72	
			131	18.81 R	1.03	381	18.15	-.75	AA (Oxalate)			072	18.65	-.12
			095	18.89	.93	262	18.05	-.92	ICP (Citrate)			376	18.42	-.45
			231	18.89	.89	Meth: 050.10 PCT			Meth: 050.50 PCT			Meth: 050.60 PCT		

* 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: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 060.99 PCT			Meth: 101.30 PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			Free Water			Acid Soluble Calcium		
Other									Other			ICP		
368	18.25	-.70	057	18.93	.59	072	18.41	-.66	398	1.19	-.71	035	7.53	2.15
325	18.08	-.94	402	18.75 R	.58	393	18.34	-.80				354	6.94	.97
232	18.00	-1.06	105	18.93	.57	030	18.33	-.82	Meth: 060.XX PCT			057	6.87	.80
398	17.82	-1.32	073	18.93	.53	185	18.25	-1.01	<u>Free Water</u>			102	6.72	.75
426	17.74	-1.45	023	18.91	.53	368	18.25	-1.02	362	2.62 s	6.95	389	6.80	.68
247	14.93 s	-5.59	418	18.92 X	.51	422	18.24	-1.02	398	1.19	2.06	288	6.78	.61
Meth: 050.XX PCT			095	18.89	.46	354	18.23	-1.04	363	0.85	1.04	023	6.77	.58
<u>Soluble Potash</u>			231	18.89	.45	381	18.15	-1.25	320	0.69 R	.77	324	6.73	.51
415	20.85 s	4.91	234	18.84	.43	022	18.15	-1.27	Avg	0.58		009	6.60	.49
390	19.89 R	2.78	009	18.88	.43	423	18.10	-1.35	105	0.56	-.08	320	6.72	.49
330	19.59 R	2.32	131	18.81	.42	325	18.08	-1.38	247	0.56	-.10	106	6.62	.48
406	19.68	2.24	288	18.85	.37	322	18.05	-1.45	409	0.50	-.30	419	6.70	.44
193	19.65	2.17	055	18.85	.36	262	18.05	-1.46	007	0.37	-.73	Avg	6.49	
260	19.54	1.92	411	18.85	.36	232	18.00	-1.57	096	0.33	-.88	423	6.40	-.18
041	19.38 R	1.64	055	18.82	.31	096	17.85	-1.91	193	0.33	-.88	247	6.32	-.33
177	19.35	1.49	102	18.73	.27	351	17.82	-1.97	Meth: 101.00 PCT			095	6.43	-.48
025	19.32	1.41	028	18.81	.27	398	17.82	-1.97	Acid Soluble Calcium			232	6.24	-.52
419	19.20 R	1.33	028	18.80	.25	426	17.74	-2.16	<u>AA</u>			360	6.40	-.60
040	19.19	1.20	043	18.77	.22	420	17.49	-2.72	409	10.32 s	12.46	131	6.18	-.64
024	19.12	.96	106	18.77	.19	247	14.93 s	-8.52	028	6.99	1.28	420	6.12	-.77
073	19.11	.95	350	18.78	.19	Meth: 060.00 PCT			137	6.92	1.05	292	5.91	-1.18
360	19.09	.92	220	18.77	.18	Free Water			233	6.81	.70	422	5.49	-2.04
042	19.06	.86	257	18.77	.18	<u>Vacuum Oven</u>			105	6.76	.51	065	5.41	-2.21
397	18.99	.82	136	18.74	.18	362	2.62 s	11.31	177	6.74	.46	Meth: 101.70 PCT		
027	19.03	.80	114	18.77	.17	363	0.85	2.02	040	6.65	.17	Acid Soluble Calcium		
022	19.05	.80	049	18.75	.15	320	0.69 R	1.48	Avg	6.60		<u>Titrimetric</u>		
131	19.04	.79	377	18.70	.02	105	0.56	.37	397	6.52	-.29	193	6.58	.71
105	18.88 R	.78	Avg	18.69		247	0.56	.31	043	6.31	-1.00	Meth: 101.99 PCT		
324	19.01	.74	035	18.65	-.13	Avg	0.50		095	6.30	-1.01	Acid Soluble Calcium		
137	19.02	.73	072	18.65	-.13	409	0.50	-.08	220	6.14 R	-1.68	<u>Other</u>		
389	19.00	.70	233	18.63	-.15	007	0.37	-.69	296	6.04	-1.91	398	7.00	.85
090	18.99	.69	392	18.63	-.16	096	0.33	-.92	055	6.05 R	-1.98	368	6.88	.42
007	18.91	.67	292	18.61	-.23	193	0.33	-.92				Avg	6.76	
361	18.99	.67	296	18.53	-.38							376	6.40	-1.27
369	18.92	.62	095	18.52	-.40							234	4.51 S	-7.86
037	18.96	.60	043	18.51	-.43									
* X=Excluded from lab performance			169	18.43 X	-.62									
			037	18.42	-.63									
			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: 101.99 PCT			Meth: 101.XX PCT			Meth: 121.30 PCT			Meth: 121.XX PCT			Meth: 121.XX PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>		
<u>Other</u>			<u>ICP</u>											
042	2.03 S	-16.55	420	6.12	-.93	102	2.35	1.41	409	3.79 s	14.34	420	2.12	-.93
			220	6.14	-.98	330	2.35	1.32	415	3.62 s	12.86	296	2.11	-1.07
			296	6.04	-1.13	389	2.29	.75	324	3.56 s	12.24	262	2.08	-1.24
Meth: 101.XX PCT			Meth: 121.00 PCT			Meth: 121.70 PCT			Meth: 131.00 PCT			Meth: 131.00 PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Water Soluble Magnes</u>			<u>Water Soluble Magnes</u>		
409	10.32 s	8.78	<u>AA</u>			<u>Avg</u>			<u>AA</u>			<u>AA</u>		
035	7.53	2.34	105	2.85 s	5.82	065	2.18	-.22	354	2.25 R	.73	220	1.99	.87
398	7.00	1.11	055	2.40	1.37	423	2.18	-.34	389	2.29	.68	Avg 1.77		
028	6.99	1.08	028	2.40	1.36	106	2.15	-.49	057	2.28	.56	193	1.56	-.87
354	6.94	1.01	257	2.34	.93	232	2.14	-.55	177	2.27	.53	Meth: 131.30 PCT		
137	6.92	.92	177	2.27	.53	035	2.14	-.57	292	2.27	.50	<u>Water Soluble Magnes</u>		
368	6.88	.83	040	2.24	.32	420	2.12	-.80	023	2.26	.39	<u>ICP</u>		
057	6.87	.82	397	2.24	.31	009	2.07	-1.20	390	2.25	.36	420 2.02 .71		
102	6.72 R	.80	392	2.24	.30	426	2.06	-1.27	288	2.24	.28	Meth: 131.XX PCT		
389	6.80	.69	220	2.22	.26	095	1.93	-2.45	220	2.22	.28	<u>Water Soluble Magnes</u>		
233	6.81	.68	233	2.23	.23	393	1.39 s	-7.14	419	2.25	.27	420 2.02 .71		
288	6.78	.61	043	2.21	.12	Meth: 121.99 PCT			040	2.24	.26	Meth: 131.00 PCT		
023	6.77	.58	Avg	2.20		<u>Acid Soluble Magnesi</u>			392	2.24	.24	<u>Water Soluble Magnes</u>		
105	6.76	.55	095	2.13	-.53	<u>Titrimetric</u>			397	2.24	.23	420 2.02 .70		
009	6.60	.52	296	2.11	-.67	415 3.62 S .00			131	2.23	.16	220 1.99 .59		
177	6.74	.52	262	2.08	-.78	Meth: 121.30 PCT			233	2.23	.13	Avg 1.85		
324	6.73	.51	381	2.03	-1.15	<u>Acid Soluble Magnesi</u>			Avg	2.22		193 1.56 -1.29		
106	6.62	.50	193	1.82	-2.56	<u>Other</u>			360	2.21	-.06	Meth: 144.01 PCT		
320	6.72	.47	Meth: 121.30 PCT			368 2.38 1.36			234	2.20	-.15	Sulfur		
419	6.70	.42	<u>Acid Soluble Magnesi</u>			398 2.30 .24			043	2.21	-.17	<u>Gravimetric</u>		
193	6.58	.37	<u>ICP</u>			Avg 2.28			065	2.18	-.33	397 11.62 s 23.08		
040	6.65	.31	409	3.79 s	13.83	390 2.25 -.53			423	2.18	-.43	288 8.41 R 2.14		
397	6.52	.05	324	3.56 s	11.82	234 2.20 -1.14			106	2.15	-.61	105 8.20 R 1.66		
Avg	6.52		422	2.70 S	4.38	042 0.97 s -18.22			232	2.14	-.67	055 8.36 1.39		
423	6.40	-.27	096	2.41	1.79	Meth: 121.99 PCT			035	2.14	-.70	137 8.31 1.07		
376	6.40	-.28	Meth: 121.30 PCT			<u>Acid Soluble Magnesi</u>			095	2.13	-.89	A=Analysis beyond 3-s limits		
247	6.32	-.45	<u>Acid Soluble Magnesi</u>			<u>Other</u>								
043	6.31	-.49	<u>ICP</u>			368 2.38 1.36								
095	6.30	-.50	409 3.79 s 13.83			398 2.30 .24								
095	6.43	-.56	324 3.56 s 11.82			Avg 2.28								
232	6.24	-.65	422 2.70 S 4.38			390 2.25 -.53								
360	6.40 R	-.70	096 2.41 1.79			234 2.20 -1.14								
131	6.18	-.79	S/s=Screened Outlier			042 0.97 s -18.22								
* X=Excluded from lab performance			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: 144.01 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT			Meth: 151.30 PPM			Meth: 165.00 PCT		
Sulfur			Sulfur			Sulfur			Arsenic			Acid Soluble Boron		
<u>Gravimetric</u>			<u>Other</u>			<u>ICP</u>			<u>Spectrometric</u>					
043	8.31	1.04	376	8.09	.30	376	8.09	.22	232	42.65	-.66	393	0.131 R	-.58
324	8.29	.94	028	8.06	.21	157	8.09	.17	043	39.50	-1.12	055	0.127	-.59
296	8.19	.28	023	8.00	.04	028	8.06	.11	106	38.50	-1.42	023	0.127	-.70
095	8.17	.24	Avg	7.98		Avg	8.02					392	0.124	-.88
Avg	8.15		419	7.89	-.28	193	8.01	-.05	Meth: 151.99 PPM			057	0.121	-1.27
102	8.11	-.26	247	7.86	-.31	023	8.00	-.08	Arsenic			Meth: 165.70 PCT		
157	8.09	-.42	009	7.86	-.35	233	7.97	-.21	<u>Other</u>			Acid Soluble Boron		
040	8.12	-.50	131	7.65	-.84	419	7.89	-.42	409	48.70	.71	<u>Titrimetric</u>		
193	8.01	-.93	423	7.65	-.85	106	7.88	-.43	Meth: 151.XX PPM			397	0.103 S	.00
233	7.97	-1.26	232	7.53	-1.16	247	7.86	-.46	<u>Arsenic</u>					
106	7.88	-1.83	232	7.53	-1.16	009	7.86	-.50	220	56.50	1.89	Meth: 165.99 PCT		
			422	7.47	-1.31	292	7.73	-.85	368	51.00	.96	Acid Soluble Boron		
			368	7.01	-2.48	131	7.65	-1.06	065	48.25 R	.94	<u>Other</u>		
						423	7.65	-1.06	136	50.30	.84	354	0.138 R	1.44
						232	7.53	-1.41	409	48.70	.57	360	0.139	1.11
						422	7.47	-1.57	102	47.36	.57	324	0.139	1.04
						393	7.19	-2.38	247	46.50	.21	043	0.135	.87
						368	7.01	-2.87	376	45.40	.10	247	0.136	.77
									Avg	45.39		409	0.136	.75
									232	42.65	-.60	422	0.132	.12
									040	41.83	-.61	Avg	0.131	
									043	39.50	-1.00	106	0.130	-.09
									106	38.50	-1.24	368	0.130	-.25
									233	36.40	-1.53	423	0.128	-.43
									193	7.25 s	-6.47	288	0.130	-.54
									Meth: 165.00 PCT			009	0.123	-1.03
									Acid Soluble Boron			232	0.113	-2.38
									<u>Spectrometric</u>			Meth: 165.XX PCT		
									040	0.150	2.13	<u>Acid Soluble Boron</u>		
									137	0.140	.96	040	0.150	2.40
									105	0.138	.74	354	0.138 R	1.35
									257	0.133	.12	137	0.140	1.12
									Avg	0.132		360	0.139	1.01
									296	0.130	-.19	324	0.139	.95
									028	0.128	-.48	105	0.138	.88
									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: 165.XX PCT			Meth: 181.30 PPM			Meth: 190.00 PCT			Meth: 190.XX PCT			Meth: 191.XX PPM		
<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Water Soluble Chlori</u>			<u>Water Soluble Chlori</u>			<u>Chromium</u>		
043	0.135	.80	<u>ICP</u>			<u>Titrimetric</u>			300	11.69	-.17	193	270.00	2.39
247	0.136	.69	368	4.48 s	6.65	422	12.85 s	5.24	027	11.62	-.43	096	234.00	1.28
409	0.136	.67	096	2.70 R	2.67	220	12.02	1.38	055	11.63	-.44	220	223.50	.97
257	0.133	.19	419	2.74	2.56	296	11.97	1.15	043	11.59	-.52	376	214.60	.67
422	0.132	.08	Avg	1.42		105	11.93	.89	023	11.56 X	-.78	035	198.50	.48
Avg	0.131		376	1.40	-.04	102	11.87	.62	389	11.60 R	-.84	247	196.50	.11
106	0.130	-.14	247	1.35	-.17	040	11.80	.28	360	11.48	-.89	Avg	193.09	
296	0.130	-.14	035	1.32	-.20	057	11.79	.26	028	11.34	-1.40	419	186.00	-.22
368	0.130	-.28	065	1.30	-.24	Avg	11.74		095	11.19	-1.93	393	176.85	-.50
423	0.128	-.46	102	1.22	-.41	027	11.62	-.59	Meth: 191.00 PPM			368	175.33	-.55
028	0.128	-.46	106	1.30	-.45	055	11.63	-.60	<u>Chromium</u>			409	173.50	-.61
288	0.130	-.53	324	1.30	-.45	043	11.59	-.72	<u>Atomic Absorption</u>			102	169.88	-.78
055	0.127	-.59	232	0.85	-1.11	023	11.56 X	-1.06	193	270.00	.85	232	163.15	-.93
393	0.131	-.63	Meth: 181.99 PPM			389	11.60 R	-1.14	Avg	246.75		324	163.50	-.94
023	0.127	-.73	<u>Cadmium</u>			028	11.34	-1.90	220	223.50	-.88	065	158.00	-1.10
392	0.124	-.90	<u>Other</u>			Meth: 190.99 PCT			Meth: 191.30 PPM			Meth: 202.00 PPM		
009	0.123	-1.04	409	1.25	.71	<u>Water Soluble Chlori</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>		
057	0.121	-1.33	Meth: 181.XX PPM			288	12.35	1.48	<u>ICP</u>			<u>AA</u>		
232	0.113	-2.33	<u>Cadmium</u>			009	11.94	.50	096	234.00	2.04	193	79.50	.48
397	0.103 s	-3.62	368	4.48 s	7.67	Avg	11.73		376	214.60	1.23	Avg	76.00	
Meth: 171.10 PCT			096	2.70 R	3.17	300	11.69	-.10	035	198.50	.82	220	72.50	-1.13
<u>Water Soluble Boron</u>			419	2.74	3.06	360	11.48	-.60	247	196.50	.47	Meth: 202.30 PPM		
<u>Spectrometric</u>			193	1.70	.89	095	11.19	-1.30	419	186.00	.06	<u>ICP</u>		
220	0.117	.21	376	1.40	.11	Meth: 190.XX PCT			Avg	185.12		057		
Avg	0.116		247	1.35	.11	<u>Water Soluble Chlori</u>			393	176.85	-.35	128.00		
296	0.115	-1.21	Avg	1.35		422	12.85 s	3.89	368	175.33	-.41	1.74		
Meth: 181.00 PPM			035	1.32	-.09	288	12.35	2.16	102	169.88	-.75	096		
<u>Cadmium</u>			065	1.30	-.12	220	12.02	1.03	232	163.15	-.92	114.00		
<u>Atomic Absorption</u>			409	1.25	-.24	296	11.97	.86	324	163.50	-.94	103.70		
193	1.70	1.55	102	1.22	-.32	009	11.94	.72	065	158.00	-1.15	426		
Avg	1.21		040	1.19	-.44	105	11.93	.67	023	21.35 s	-6.81	94.35		
040	1.19	-.35	324	1.30	-.45	102	11.87	.47	Meth: 191.99 PPM			Avg		
136	1.00	-.70	106	1.30	-.45	040	11.80	.21	<u>Chromium</u>			56.86		
397	0.97	-.71	136	1.00	-.80	057	11.79	.20	<u>Other</u>			419		
			397	0.97	-.82	Avg	11.73		409	173.50	.71	51.85		
			232	0.85	-1.10				232	28.00		-.13		
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits			040		
												38.35		
												102		
												31.80		
												-.63		
												320		
												31.00		
												-.63		
												232		
												28.00		
												-.71		

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 202.30 PPM			Meth: 221.30 PCT			Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.XX PCT		
Acid Soluble Cobalt			Acid Soluble Copper			<u>Acid Soluble Copper</u>			Acid Soluble Iron			<u>Acid Soluble Iron</u>		
<u>ICP</u>			<u>ICP</u>			397 0.1517 1.29			<u>ICP</u>			422 0.49 .28		
106	11.00	-1.12	419	0.1445 R	1.42	422	0.1475	1.12	409	0.77 s	4.65	035	0.48	.21
023	7.25 X	-1.21	102	0.1547	1.41	040	0.1435	1.02	330	0.59	1.77	419	0.48	.18
			426	0.1528	1.33	368	0.1410	.88	096	0.54	1.02	288	0.47	.15
			422	0.1475	1.12	009	0.1391	.87	360	0.52	.81	Avg	0.47	
Meth: 202.99 PPM			040 0.1435 1.02			330 0.1350 .86			423 0.52 .76			102 0.45 -.34		
Acid Soluble Cobalt			009 0.1391 .88			131 0.1385 .77			009 0.51 .60			232 0.42 -.68		
<u>Other</u>			330 0.1350 .86			423 0.1340 .57			420 0.50 .51			320 0.42 -.69		
409	107.50	.71	131	0.1385	.79	220	0.1305	.55	131	0.50	.46	065	0.42	-.74
			423	0.1340	.59	065	0.1255	.52	422	0.49	.24	247	0.41	-.82
Meth: 202.XX PPM			065 0.1255 .52			028 0.1315 .49			035 0.48 .16			193 0.34 -1.84		
<u>Acid Soluble Cobalt</u>			232 0.1314 .49			232 0.1314 .46			419 0.48 .13			402 0.30 -2.42		
057	128.00	1.67	292	0.1200	.40	292	0.1200	.41	Avg	0.47				
096	114.00	1.31	360	0.1250	.25	360	0.1250	.22	288	0.47	-.16	Meth: 251.00 PPM		
409	107.50	1.15	106	0.1200	.04	106	0.1200	.00	102	0.45	-.41	Lead		
009	103.70	1.05	Avg	0.1190		Avg	0.1199		232	0.42	-.80	<u>Atomic Absorption</u>		
426	94.35	.81	057	0.1104	-.51	105	0.1150	-.35	320	0.42	-.80	136	23.65	1.27
193	79.50	.43	157	0.1002	-.74	409	0.1085	-.47	065	0.42	-.86	040	18.23	.17
220	72.50	.31	096	0.0993	-.78	057	0.1104	-.56	247	0.41	-.95	Avg	17.84	
Avg	62.79		324	0.0905	-1.13	157	0.1002	-.80	402	0.30	-2.65	193	17.00	-.68
419	51.85	-.28	420	0.0895	-1.16	096	0.0993	-.84				363	12.50	-1.18
040	43.05	-.52	393	0.0880	-1.22	324	0.0905	-1.20	Meth: 241.99 PCT					
324	38.35	-.63	354	0.0840	-1.38	420	0.0895	-1.24	Acid Soluble Iron					
102	31.80	-.80	402	0.0700	-1.93	393	0.0880	-1.30	<u>Other</u>					
320	31.00	-.82				354	0.0840	-1.46	362 0.75 S .00					
232	28.00	-.89	Meth: 221.99 PCT			193	0.0815	-1.56	Meth: 241.XX PCT					
106	11.00	-1.33	Acid Soluble Copper			402	0.0700	-2.03	<u>Acid Soluble Iron</u>					
023	7.25 X	-1.42	<u>Other</u>						409 0.77 s 4.40					
			368	0.1410	.94	Meth: 241.00 PCT			362 0.75 s 4.35					
Meth: 221.00 PCT			220	0.1305	.58	Acid Soluble Iron			330 0.59 1.72					
Acid Soluble Copper			Avg	0.1267		<u>Atomic Absorption</u>			096 0.54 1.01					
<u>Atomic Absorption</u>			409	0.1085	-1.13	105 0.52 .87			360 0.52 .82					
397	0.1517	1.14				Avg 0.43			105 0.52 .81					
028	0.1315	.44	Meth: 221.XX PCT			193 0.34 -.87			423 0.52 .77					
Avg	0.1199		<u>Acid Soluble Copper</u>						009 0.51 .62					
105	0.1150	-.31	419	0.1445 R	1.44				420 0.50 .54					
193	0.0815	-1.38	102	0.1547	1.42				131 0.50 .49					
			426	0.1528	1.33									

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

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 251.99 PPM			Meth: 261.00 PCT			Meth: 261.30 PCT			Meth: 261.XX PCT			Meth: 271.30 PCT		
<u>Lead</u>			<u>Acid Soluble Mangane</u>			<u>Acid Soluble Mangane</u>			<u>Acid Soluble Mangane</u>			<u>Water Soluble Mangan</u>		
<u>Other</u>			<u>AA</u>			<u>ICP</u>			296	1.605	.46	<u>ICP</u>		
409	29.10	.87	392	1.525	-.27	023	1.306	-.97	028	1.600	.45	420	0.137	.71
Avg	24.93		233	1.495	-.42	065	1.085	-2.01	360	1.585	.32			
376	20.75	-.87	262	1.490	-.49	292	1.035 S	-2.24	157	1.571	.20			
			043	1.395	-1.26				234	1.570	.20	Meth: 271.XX PCT		
			137	1.290	-2.14	Meth: 261.31 PCT			095	1.555	.13	<u>Water Soluble Mangan</u>		
Meth: 251.XX PPM			193	0.505 s	-8.73	<u>Acid Soluble Mangane</u>			095	1.560	.13	420	0.137	.87
<u>Lead</u>						<u>ICP</u>			009	1.559	.11	Avg	0.117	
409	29.10	1.70				106	1.625	1.24	Avg	1.547		193	0.096	-.87
247	26.45	1.14	Meth: 261.11 PCT			Avg	1.574		257	1.545	-.04			
232	25.20	1.04	<u>Acid Soluble Mangane</u>			095	1.560	-.41	324	1.538	-.11	Meth: 281.00 PPM		
368	25.65	.97	<u>AA</u>			324	1.538	-.89	409	1.536	-.13	<u>Mercury</u>		
324	24.85	.80	381	1.685	1.26				040	1.525	-.18	<u>Atomic Absorption</u>		
096	23.80	.58	Avg	1.588					422	1.542	-.22	193	0.03	-.71
102	21.19	.55	095	1.555	-.48	Meth: 261.99 PCT			392	1.525	-.26			
136	23.65	.54	040	1.525	-.83	<u>Acid Soluble Mangane</u>			368	1.500	-.37	Meth: 281.99 PPM		
Avg	21.14					<u>Other</u>			233	1.495	-.41	<u>Mercury</u>		
376	20.75	-.10	Meth: 261.30 PCT			234	1.570	.95	262	1.490	-.47	<u>Other</u>		
106	19.50	-.37	<u>Acid Soluble Mangane</u>			409	1.536	.49	419	1.495	-.49	409	0.75	.87
035	18.80	-.52	<u>ICP</u>			Avg	1.505		389	1.460	-.69	Avg	0.40	
040	18.23	-.64	330	1.830	1.56	368	1.500	-.08	426	1.444	-.81	220	0.05	-.86
419	21.05	-.67	102	1.781	1.29	390	1.415	-1.53						
043	17.00	-.91	057	1.759	1.21				247	1.441	-.84			
193	17.00	-1.09	354	1.698	.97	Meth: 261.XX PCT			390	1.415	-1.12	Meth: 281.XX PPM		
065	14.60	-1.42	035	1.710	.96	<u>Acid Soluble Mangane</u>			232	1.403	-1.13	<u>Mercury</u>		
363	12.50	-1.85	420	1.700	.92	330	1.830	2.29	393	1.405	-1.13	409	0.75	1.29
			131	1.560	.38	102	1.781	1.83	043	1.395	-1.20	Avg	0.28	
			360	1.585	.37	057	1.759	1.70	423	1.305	-1.90	220	0.05	-.61
Meth: 261.00 PCT			157	1.571	.30	105	1.720 R	1.53	023	1.306	-1.90	193	0.03	-.68
<u>Acid Soluble Mangane</u>			009	1.559	.24	354	1.698	1.33	137	1.290	-2.01			
<u>AA</u>			422	1.542	.20	035	1.710	1.29	065	1.085 A	-3.62	Meth: 289.00 PPM		
105	1.720	1.66	Avg	1.532		420	1.700	1.22	292	1.035 s	-4.01	<u>Molybdenum</u>		
397	1.613 R	.97	419	1.495	-.18	381	1.685	1.08	193	0.505 s	-8.17	<u>Atomic Absorption</u>		
220	1.635	.82	389	1.460	-.23	397	1.613 R	.89				220	14.00	.92
177	1.637	.78	426	1.444	-.30	220	1.635	.74	Meth: 271.00 PCT			Avg	12.10	
055	1.595	.57	247	1.441	-.33	177	1.637	.71	<u>Water Soluble Mangan</u>			040	10.20	-.81
296	1.605	.51	232	1.403	-.50	106	1.625	.62	<u>Atomic Abs</u>					
028	1.600	.50	393	1.405	-.50	055	1.595	.52	193	0.096	.71			
257	1.545	.04	423	1.305	-.96	131	1.560	.48						
Avg	1.544													

* 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: 289.30 PPM			Meth: 289.XX PPM			Meth: 291.XX PPM			Meth: 311.30 PCT			Meth: 321.00 PCT		
Molybdenum			Molybdenum			Nickel			Sodium			Acid Soluble Zinc		
<u>ICP</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>Flame Photometric</u>			<u>Atomic Absorption</u>		
393	354.83 s	102.12	040	10.20	-1.23	232	95.80	.49	320	0.52	.71	220	0.470	.39
096	21.00	2.01	422	9.56	-1.43	102	91.12	.37	Meth: 311.99 PCT			177	0.466	.29
368	18.58	1.28	Meth: 291.00 PPM			220	93.00	.36	Avg			397	0.457	.10
247	16.75	.73	Nickel			Avg			<u>Other</u>			Avg		
057	16.30	.59	<u>Atomic Absorption</u>			247	85.50	-.24	409	0.78 s	6.91	055	0.446	-.19
419	15.30	.29	220	93.00	.84	393	84.31	-.32	288	0.61	1.65	040	0.445	-.20
Avg			Avg			065	84.85	-.36	102	0.57	.92	233	0.435	-.41
232	13.40	-.32	193	84.50	-.89	193	84.50	-.39	422	0.59	.90	043	0.430	-.51
102	13.43	-.33	Meth: 291.30 PPM			409	79.95	-.71	Avg			392	0.440	-.53
065	13.10	-.37	Nickel			324	80.30	-.74	009	0.55	-.41	296	0.411	-.94
324	12.90	-.44	<u>ICP</u>			040	76.95	-.84	423	0.54	-.68	137	0.395	-1.30
035	11.10	-.98	376	115.50	1.69	106	58.00	-2.17	232	0.54	-.84	257	0.377	-1.72
106	10.50	-1.16	096	114.00	1.57	023	9.95 s	-5.54	035	0.53	-.89	Meth: 321.30 PCT		
422	9.56	-1.43	368	95.67	.40	Meth: 301.00 PPM			Meth: 311.XX PCT			Acid Soluble Zinc		
Meth: 289.99 PPM			Selenium			Selenium			<u>ICP</u>			ICP		
Molybdenum			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			Sodium			Sodium		
<u>Other</u>			232	95.80	.40	040	0.13	.71	409	0.78 s	7.21	247	0.599 S	4.22
409	15.65	.71	102	91.12	.32	Meth: 301.30 PPM			288	0.61	1.82	330	0.515	1.83
Meth: 289.XX PPM			419	94.00	.28	Selenium			422	0.59	1.06	035	0.515	1.83
Molybdenum			Avg			<u>ICP</u>			102	0.57	1.00	102	0.498	1.50
393	354.83 s	106.95	247	85.50	-.27	065	3.89	.87	193	0.56	.65	324	0.482 R	1.46
096	21.00	2.17	393	84.31	-.35	065	3.89	.87	Avg			023	0.494	1.27
368	18.58	1.40	065	84.85	-.37	040	76.95	-.82	009	0.55	-.30	057	0.476	.74
247	16.75	.83	324	80.30	-.72	106	58.00	-2.04	423	0.54	-.56	354	0.470	.66
057	16.30	.69	040	76.95	-.82	023	9.95 s	-5.13	232	0.54	-.72	131	0.466	.43
409	15.65	.49	Meth: 291.99 PPM			Meth: 301.XX PPM			035	0.53	-.77	393	0.465	.43
419	15.30	.37	Nickel			Selenium			320	0.52	-1.06	009	0.465	.40
Avg			<u>Other</u>			Avg			Meth: 321.00 PCT			288	0.465	.39
232	13.40	-.27	409	79.95	.71	409	1.05	-.36	Acid Soluble Zinc			419	0.457	.29
102	13.43	-.29	Meth: 291.XX PPM			040	0.13	-.89	<u>Atomic Absorption</u>			Avg		
220	14.00	-.32	Nickel			Meth: 311.00 PCT			193	0.560	2.42	389	0.450	-.02
065	13.10	-.32	<u>Atomic Absorption</u>			Sodium			381	0.500	1.09	360	0.451	-.13
324	12.90	-.39	376	115.50	1.90	Avg			095	0.486	.79	157	0.438	-.37
035	11.10	-.96	096	114.00	1.77	<u>Atomic Absorption</u>			028	0.472 R	.70	106	0.430	-.59
106	10.50	-1.15	368	95.67	.49	193	0.56	-.71	105	0.473	.49	420	0.435	-.62
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits			422	0.424	-.77
												423	0.416	-1.00

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 321.30 PCT			Meth: 321.XX PCT											
<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>											
<u>ICP</u>			419	0.457	.29									
426	0.413	-1.07	368	0.460	.28									
292	0.410	-1.16	397	0.457	.19									
232	0.407	-1.24	360	0.451	.12									
065	0.410	-1.30	389	0.450	.01									
095	0.402	-1.41	Avg	0.450										
			055	0.446	-.17									
			040	0.445	-.18									
Meth: 321.99 PCT			157	0.438	-.32									
<u>Acid Soluble Zinc</u>			233	0.435	-.42									
<u>Other</u>			043	0.430	-.53									
390	0.470	1.06	106	0.430	-.53									
368	0.460	.61	420	0.435	-.56									
Avg	0.444		220	0.435	-.58									
220	0.435	-.70	392	0.440	-.60									
409	0.412	-1.23	422	0.424	-.69									
			423	0.416	-.92									
Meth: 321.XX PCT			426	0.413	-.98									
<u>Acid Soluble Zinc</u>			409	0.412	-1.01									
247	0.599 s	4.02	296	0.411	-1.04									
193	0.560	2.97	292	0.410	-1.07									
330	0.515	1.76	232	0.407	-1.14									
035	0.515	1.76	065	0.410	-1.19									
102	0.498 R	1.44	095	0.402	-1.30									
324	0.482 R	1.40	137	0.395	-1.48									
381	0.500	1.38	257	0.377	-1.97									
023	0.494	1.23												
095	0.486	1.01												
028	0.472 R	.88	Meth: 325.00 PCT											
057	0.476	.73	<u>Water Soluble Zinc</u>											
105	0.473	.65	<u>Atomic Absorption</u>											
354	0.470	.64	193	0.100	.00									
390	0.470	.61												
220	0.470	.55												
131	0.466	.44												
393	0.465	.43												
177	0.466	.43												
009	0.465	.41												
288	0.465	.40												

* 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	5	13.79	30.85	0.52	050.61	8	0.00	0.99	0.29
001.99	16	- 0.01	1.31	0.81	050.99	16	- 0.27	1.73	0.25
001.XX	21	2.59	11.84	0.67	050.XX	76	0.04	1.56	0.29
009.10	5	8.93	19.98	0.30	060.00	9	1.36	3.82	0.58
009.XX	5	8.93	19.98	0.30	060.XX	10	0.73	2.35	0.36
010.10	2	0.00	1.17	0.24	101.00	13	0.69	3.69	0.38
010.11	5	0.00	1.04	0.18	101.30	22	0.00	0.98	0.25
010.12	7	0.31	1.25	0.20	101.99	5	- 4.88	7.40	0.06
010.60	56	0.02	1.09	0.35	101.XX	40	- 0.14	2.47	0.26
010.99	8	10.06	28.48	0.30	121.00	16	0.27	1.46	0.97
010.XX	74	0.39	3.03	4.06	121.30	25	0.93	4.07	0.25
020.10	10	- 0.85	2.53	2.16	121.99	5	- 3.64	8.20	0.19
020.20	21	1.22	5.31	0.35	121.XX	46	0.66	4.18	0.82
020.40	9	0.06	0.89	0.56	131.00	2	0.00	1.22	0.03
020.50	6	0.00	1.03	0.19	131.XX	3	0.00	1.12	0.05
020.99	2	- 16.53	23.38	0.52	144.01	15	1.67	6.00	0.57
020.XX	47	0.18	3.03	1.12	144.02	2	0.00	1.21	0.14
030.10	2	0.00	1.20	0.17	144.99	21	0.04	0.97	0.40
030.20	2	0.00	1.17	0.25	144.XX	39	0.29	1.88	0.36
030.40	2	0.00	1.22	0.06	151.00	5	- 0.94	2.30	0.07
030.99	2	7.31	10.33	0.53	151.30	8	0.00	0.90	0.48
030.XX	8	0.67	2.10	0.20	151.XX	14	- 0.43	1.97	0.30
040.10	2	0.00	1.22	0.06	165.00	11	- 0.006	0.960	0.239
040.20	2	0.00	0.18	0.86	165.99	13	0.069	0.964	0.425
040.99	2	0.00	0.60	0.76	165.XX	25	- 0.113	1.194	0.342
040.XX	8	- 0.10	0.97	0.77	171.10	2	0.000	0.253	0.847
041.10	20	- 0.32	1.42	0.63	171.XX	2	0.000	0.253	0.847
041.20	4	0.00	1.07	0.11	181.00	4	0.00	0.99	0.37
041.40	5	- 0.96	2.46	0.82	181.30	11	0.77	2.08	0.96
041.50	9	0.00	1.01	0.21	181.XX	16	0.62	2.05	0.92
041.60	16	1.80	8.69	0.64	190.00	13	0.35	1.73	0.38
041.XX	44	0.26	3.49	0.48	190.99	5	0.00	1.06	0.10
048.20	5	0.00	1.06	0.08	190.XX	18	0.19	1.32	0.25
048.XX	7	0.00	1.04	0.10	191.00	2	0.00	1.18	0.23
050.00	21	0.11	1.87	0.41	191.30	12	- 0.57	2.18	0.25
050.30	13	0.00	1.00	0.20	191.XX	15	- 0.35	1.68	0.18
050.50	7	0.00	0.97	0.34	202.00	2	0.00	0.67	0.72
050.51	10	0.08	1.00	0.19	202.30	12	0.00	1.02	0.07
050.60	8	0.57	1.93	0.36	202.XX	15	0.00	1.01	0.08

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
221.00	4	0.0000	1.0671	0.1448					
221.30	22	0.0457	0.9822	0.3175					
221.99	3	0.0000	1.0289	0.3573					
221.XX	29	0.0344	0.9803	0.3006					
241.00	2	0.00	1.22	0.09					
241.30	18	0.26	1.47	0.12					
241.XX	21	0.40	1.60	0.34					
251.00	4	0.00	1.00	0.34					
251.30	11	0.00	0.94	0.38					
251.99	2	0.00	1.22	0.06					
251.XX	17	0.00	0.96	0.32					
261.00	14	- 0.582	2.518	0.333					
261.11	3	0.000	1.108	0.125					
261.30	21	0.000	1.000	0.155					
261.31	3	0.000	1.062	0.285					
261.99	4	0.000	0.967	0.417					
261.XX	44	- 0.318	1.747	0.260					
271.XX	2	0.000	1.219	0.084					
281.99	2	0.00	1.22	0.09					
281.XX	3	0.00	1.11	0.08					
289.00	2	0.00	1.15	0.30					
289.30	13	7.86	28.34	0.12					
289.XX	16	6.68	26.76	0.14					
291.00	2	0.00	0.97	0.53					
291.30	13	- 0.39	1.72	0.18					
291.XX	16	- 0.35	1.69	0.21					
301.30	2	0.00	1.21	0.11					
301.XX	3	0.00	1.11	0.09					
311.99	8	0.86	2.58	0.46					
311.XX	10	0.72	2.43	0.46					
321.00	16	0.027	0.976	0.209					
321.30	25	0.205	1.269	0.333					
321.99	4	0.000	0.999	0.355					
321.XX	43	0.160	1.130	0.344					