

MAGRUDER - Fertilizer Check Sample No. - 200310 Grade 10-34-0 (A), 0-0-60 (B)

- Pass 1 Results for 80 Labs - - Pass 2 Results for 80 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	9	9.83	0.12	0.05	9	9.83	0.12	0.05
Ammoniacal Nitrogen, Other		001.99	9	9.89	0.13	0.06	8	9.90	0.13	0.03
Method Group 001.XX PCT			18	9.86	0.13	0.05	17	9.86	0.13	0.04
Ammon & Nitrate N, Other		009.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Total Nitrogen, Reduced Iron		010.10	1	9.93	0.01	0.02	1	9.93	0.01	0.02
Total Nitrogen, Modified Comprehensive	978.02	010.11	8	9.84	0.14	0.08	8	9.84	0.14	0.08
Total Nitrogen, Salicylic	955.04D	010.12	4	9.95	0.17	0.04	4	9.95	0.17	0.04
Total Nitrogen, Raney	970.03	010.16	1	9.83	0.01	0.02	1	9.83	0.01	0.02
Total Nitrogen, Comprehensive	970.02	010.17	1	9.74	0.12	0.17	1	9.74	0.12	0.17
Total Nitrogen, Combustion		010.60	45	9.85	0.19	0.09	41	9.85	0.16	0.05
Total Nitrogen, Other		010.99	4	9.83	0.29	0.09	4	9.83	0.29	0.09
Method Group 010.XX PCT			64	9.85	0.18	0.08	60	9.85	0.17	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	8	34.18	0.30	0.08	8	34.18	0.30	0.08
Total Phosphate, Spectrometric	958.01	020.20	16	33.84	0.25	0.13	16	33.84	0.25	0.13
Total Phosphate, Automated	978.01	020.40	5	33.90	0.35	0.35	4	33.91	0.17	0.10
Total Phosphate, ICP		020.50	3	33.81	0.49	0.06	3	33.81	0.49	0.06
Method Group 020.XX PCT			33	33.96	0.37	0.15	32	33.96	0.35	0.11
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	15	34.06	0.14	0.06	15	34.06	0.14	0.06
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	33.70	0.28	0.40	1	33.70	0.28	0.40
Dir Available Phosphate, Automated	978.01	041.40	5	33.79	0.73	0.11	5	33.79	0.73	0.11
Dir Available Phosphate, ICP		041.50	5	33.58	0.66	0.24	6	33.40	0.74	0.24
Dir Available Phosphate, EDTA Extract .	993.01	041.60	9	34.05	0.33	0.12	8	34.02	0.33	0.08
Method Group 041.XX PCT			35	33.94	0.44	0.12	32	33.97	0.41	0.08
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	13.68	0.00	0.00	1	13.68	0.00	0.00
Soluble Potash, STPB Oxalate	958.02	050.00	21	60.46	0.52	0.16	20	60.45	0.52	0.14
Soluble Potash, STPB Citrate	969.04	050.10	2	59.89	0.85	0.37	2	59.89	0.85	0.37
Soluble Potash, AA (Oxalate)		050.30	12	60.52	1.57	0.72	11	60.48	1.56	0.49
Soluble Potash, AA (Citrate)		050.31	2	60.43	1.66	0.25	2	60.43	1.66	0.25
Soluble Potash, ICP (Oxalate)		050.50	7	60.51	0.67	0.31	7	60.51	0.67	0.31
Soluble Potash, ICP (Citrate)		050.51	7	60.71	1.49	0.34	7	60.71	1.49	0.34
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	6	61.05	0.28	0.09	5	61.09	0.28	0.05
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	6	60.43	1.10	0.10	6	60.43	1.10	0.10
Soluble Potash, Other		050.99	13	60.19	1.30	0.36	12	60.22	1.34	0.29
Method Group 050.XX PCT			78	60.47	1.08	0.35	72	60.50	1.06	0.23
Free Water, Vacuum Oven	965.08B	060.00	4	0.07	0.04	0.02	4	0.07	0.04	0.02
Acid Soluble Calcium, AA	945.04	101.00	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Acid Soluble Calcium, ICP		101.30	6	0.04	0.03	0.00	5	0.04	0.03	0.00
Method Group 101.XX PCT			7	0.03	0.03	0.00	6	0.04	0.03	0.00
Acid Soluble Magnesium, AA	984.01	121.00	2	0.05	0.01	0.00	2	0.05	0.01	0.00

MAGRUDER - Fertilizer Check Sample No. - 200310 Grade 10-34-0 (A), 0-0-60 (B)

- Pass 1 Results for 80 Labs - - Pass 2 Results for 80 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
Acid Soluble Magnesium, ICP		121.30	7	0.07	0.00	0.00	6	0.07	0.00	0.00
Method Group 121.XX PCT			9	0.07	0.01	0.00	7	0.07	0.01	0.00
Water Soluble Magnesium, ICP		131.30	1	0.04	0.01	0.01	1	0.04	0.01	0.01
Sulfur, Gravimetric	980.02a	144.01	2	0.40	0.06	0.04	2	0.40	0.06	0.04
Sulfur, Other		144.99	6	0.28	0.17	0.01	5	0.26	0.18	0.00
Method Group 144.XX PCT			8	0.31	0.16	0.02	7	0.30	0.17	0.01
Arsenic, Atomic Absorption		151.00	4	4.15	0.76	0.18	4	4.15	0.76	0.18
Arsenic, ICP		151.30	3	2.68	0.73	0.89	3	2.68	0.73	0.89
Arsenic, Other		151.99	1	3.50	0.28	0.40	1	3.50	0.28	0.40
Method Group 151.XX PPM			8	3.52	0.98	0.48	7	3.60	0.97	0.30
Acid Soluble Boron, Spectrometric	982.01	165.00	1	0.003	0.000	0.000	1	0.003	0.000	0.000
Acid Soluble Boron, Other		165.99	3	0.003	0.000	0.000	3	0.003	0.000	0.000
Method Group 165.XX PCT			4	0.003	0.000	0.000	3	0.003	0.000	0.000
Cadmium, Atomic Absorption		181.00	5	35.88	2.68	1.63	5	35.88	2.68	1.63
Cadmium, ICP		181.30	10	36.28	2.06	1.08	10	36.28	2.06	1.08
Method Group 181.XX PPM			15	36.15	2.25	1.26	15	36.15	2.25	1.26
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	47.89	0.05	0.07	1	47.89	0.05	0.07
Water Soluble Chlorine, Other		190.99	1	47.32	0.04	0.06	1	47.32	0.04	0.06
Method Group 190.XX PCT			2	47.60	0.33	0.07	2	47.60	0.33	0.07
Chromium, Atomic Absorption		191.00	1	215.50	9.19	13.00	1	215.50	9.19	13.00
Chromium, ICP		191.30	11	188.81	8.13	2.72	11	188.81	8.13	2.72
Chromium, Other		191.99	1	170.00	0.00	0.00	1	170.00	0.00	0.00
Method Group 191.XX PPM			13	189.42	11.99	3.31	12	187.25	9.41	2.50
Acid Soluble Cobalt, ICP	965.11	202.30	6	1.23	0.30	0.08	5	1.20	0.32	0.04
Acid Soluble Cobalt, Other		202.99	1	0.75	0.08	0.11	1	0.75	0.08	0.11
Method Group 202.XX PPM			7	1.16	0.33	0.09	6	1.12	0.34	0.05
Acid Soluble Copper, Atomic Absorption	975.01	221.00	1	0.0005	0.0001	0.0001	1	0.0005	0.0001	0.0001
Acid Soluble Copper, ICP		221.30	5	0.5306	0.8990	0.0200	4	0.5508	1.0179	0.0000
Method Group 221.XX PCT			6	0.4423	0.8390	0.0167	5	0.4408	0.9272	0.0000
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	1	0.50	0.02	0.03	1	0.50	0.02	0.03
Acid Soluble Iron, ICP		241.30	8	0.48	0.02	0.00	8	0.48	0.02	0.00
Method Group 241.XX PCT			9	0.48	0.02	0.01	8	0.48	0.02	0.00
Lead, Atomic Absorption		251.00	2	0.50	0.58	0.00	2	0.50	0.58	0.00
Lead, ICP		251.30	4	2.59	2.03	0.32	4	2.59	2.03	0.32
Lead, Other		251.99	1	0.35	0.07	0.10	1	0.35	0.07	0.10
Method Group 251.XX PPM			7	1.67	1.87	0.20	7	1.67	1.87	0.20
Acid Soluble Manganese, AA	972.02a	261.00	1	0.011	0.000	0.000	1	0.011	0.000	0.000
Acid Soluble Manganese, ICP	972.02a	261.30	8	0.018	0.001	0.000	7	0.018	0.001	0.000
Method Group 261.XX PCT			9	0.017	0.002	0.000	8	0.017	0.002	0.000

MAGRUDER - Fertilizer Check Sample No. - 200310 Grade 10-34-0 (A), 0-0-60 (B)

- Pass 1 Results for 80 Labs - - Pass 2 Results for 80 Labs -

<u>Method</u>	<u>AOAC Ref.</u>	<u>Method Code</u>	<u>No. of Labs</u>	<u>Grand Avq.</u>	<u>Std. Dev.</u>	<u>Average Range of Dups</u>	<u>No. of Labs</u>	<u>Grand Avq.</u>	<u>Std. Dev.</u>	<u>Average Range of Dups</u>
Mercury, Atomic Absorption		281.00	1	0.05	0.01	0.01	1	0.05	0.01	0.01
Mercury, ICP		281.30	1	3.40	0.14	0.20	1	3.40	0.14	0.20
Method Group 281.XX PPM			2	1.73	1.93	0.10	2	1.73	1.93	0.10
Molybdenum, ICP		289.30	8	13.67	0.92	0.19	7	13.75	0.94	0.11
Molybdenum, Other		289.99	1	14.50	0.71	1.00	1	14.50	0.71	1.00
Method Group 289.XX PPM			9	13.76	0.92	0.28	8	13.67	0.92	0.19
Nickel, ICP		291.30	10	3.16	0.59	0.18	9	3.11	0.59	0.13
Nickel, Other		291.99	1	4.30	0.14	0.20	1	4.30	0.14	0.20
Method Group 291.XX PPM			11	3.26	0.65	0.19	10	3.23	0.67	0.14
Selenium, Atomic Absorption		301.00	1	0.05	0.00	0.00	1	0.05	0.00	0.00
Selenium, Other		301.99	2	0.40	0.39	0.07	2	0.40	0.39	0.07
Method Group 301.XX PPM			3	0.28	0.35	0.05	3	0.28	0.35	0.05
Sodium, Atomic Absorption	983.04	311.00	1	0.06	0.00	0.00	1	0.06	0.00	0.00
Sodium, Flame Photometric	974.01	311.30	1	0.07	0.00	0.00	1	0.07	0.00	0.00
Sodium, Other		311.99	5	0.28	0.38	0.01	4	0.29	0.43	0.00
Method Group 311.XX PCT			7	0.22	0.33	0.01	6	0.22	0.36	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	8	0.046	0.002	0.001	8	0.046	0.002	0.001
Acid Soluble Zinc, Gravimetric	942.02	321.10	1	0.047	0.004	0.005	1	0.047	0.004	0.005
Acid Soluble Zinc, ICP		321.30	13	0.049	0.002	0.001	11	0.048	0.002	0.000
Acid Soluble Zinc, Other		321.99	1	0.041	0.000	0.000	1	0.041	0.000	0.000
Method Group 321.XX PCT			23	0.047	0.003	0.001	20	0.047	0.002	0.001
Water Soluble Zinc, ICP		325.30	1	0.042	0.009	0.013	1	0.042	0.009	0.013

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: 010.12 PCT			Meth: 010.60 PCT			Meth: 010.99 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>Salicylic</u>			<u>Combustion</u>			<u>Other</u>		
029	9.95	1.01	193	9.85	-.12	351	9.94	-.09	262	9.90	.29	105	9.76	-.39
090	9.95	.98	232	9.86	-.16	137	9.84	-.61	251	9.88	.18	030	9.46	-1.29
288	9.90	.70	416	9.84	-.25	185	9.84	-.61	231	9.88	.18			
040	9.91	.65	369	9.81	-.43				049	9.86	.10	Meth: 010.XX PCT		
232	9.84	.23	105	9.81	-.49	Meth: 010.16 PCT			Avg	9.85		<u>Total Nitrogen</u>		
351	9.84	.23	416	9.86 R	-1.04	<u>Total Nitrogen</u>			377	9.84	-.14	095	11.02 s	7.00
Avg	9.83		419	9.72	-1.18	<u>Raney</u>			007	9.82	-.19	029	10.45 s	3.61
416	9.85	.12	415	9.68	-1.53				247	9.82	-.24	022	9.88 R	2.18
415	9.81	-.22	389	9.61	-2.02				422	9.81	-.26	393	10.20	2.10
389	9.68	-1.39	Meth: 009.99 PCT			Meth: 010.17 PCT			351	9.81	-.36	254	10.20	2.09
			Ammon & Nitrate N			<u>Total Nitrogen</u>			142	9.78	-.46	072	10.18	2.02
			<u>Other</u>			<u>Comprehensive</u>			027	9.79	-.47	356	10.17	1.89
			288	0.00	.00				177	9.79	-.49	136	10.14	1.73
Meth: 001.99 PCT			Meth: 010.10 PCT			Meth: 010.60 PCT			024	9.76	-.56	072	10.07 R	1.66
<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			234	9.75	-.60	292	10.09	1.51
<u>Other</u>			<u>Reduced Iron</u>			<u>Combustion</u>			296	9.75	-.61	073	9.90 R	1.18
393	10.18 X	2.20	072	9.93	.71	095	11.02 s	7.24	114	9.75	-.65	409	10.02	1.16
247	9.92	.21	Meth: 010.11 PCT			029	10.45 s	3.73	035	9.75	-.66	288	10.01	.97
320	9.91	.14	<u>Total Nitrogen</u>			022	9.88 R	2.25	233	9.73	-.72	325	10.01	.95
Avg	9.90		<u>Modified Comprehensive</u>			393	10.20	2.18	157	9.72	-.85	106	10.01	.95
376	9.90	-.04	288	10.01	1.30	356	10.17	1.97	034	9.72	-.87	390	10.00	.92
420	9.88	-.14	105	9.99	1.18	136	10.14	1.80	324	9.71	-.91	105	9.99	.88
193	9.86	-.32	105	9.99	1.18	072	10.14	1.80	040	9.70	-.94	028	10.00	.87
369	9.81	-.71	415	9.93	1.04	072	10.07 R	1.72	043	9.65	-1.25	041	10.00	.86
105	9.86 R	-1.05	Avg	9.84		292	10.09	1.57	042	9.62	-1.50	415	9.93	.79
419	9.72	-1.41	414	9.83	-.16	073	9.90 R	1.22	009	9.59	-1.69	057	9.96	.63
Meth: 001.XX PCT			211	9.82	-.17	Meth: 010.12 PCT			368	9.48	-2.35	086	9.94	.58
<u>Ammoniacal Nitrogen</u>			322	9.78	-.63	<u>Total Nitrogen</u>			055	9.34 A	-3.25	351	9.94	.51
393	10.18 X	2.51	389	9.69	-1.09	<u>Salicylic</u>			275	9.22 s	-3.92	072	9.93	.47
029	9.95	.74	029	9.66	-1.31				360	9.14 s	-4.42	025	9.93	.44
090	9.95	.70	Meth: 010.12 PCT			057			Meth: 010.99 PCT			420	9.91	.36
288	9.90	.50	<u>Total Nitrogen</u>			086			<u>Total Nitrogen</u>			131	9.91	.35
247	9.92	.46	<u>Salicylic</u>			025			<u>Other</u>			023	9.89	.29
320	9.91	.38				131			072			262	9.90	.27
040	9.91	.38	254			023			420			231	9.88	.16
376	9.90	.26	10.20			9.89			9.91			251	9.88	.16
420	9.88	.16	1.51			.31			.30			049	9.86	.09
Avg	9.86		Avg			Avg			Avg					
* 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: 020.10 PCT			Meth: 020.40 PCT			Meth: 020.XX PCT			Meth: 041.10 PCT		
<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Dir Available Phosph</u>		
Avg	9.85		Grav Quimociac			Automated			247	33.97	.04	Grav Quimociac		
137	9.84	-.06	095	34.77	1.95	035	35.42 S	8.66	Avg	33.96		029	34.00	-.66
377	9.84	-.14	114	34.54	1.18	320	34.08	.99	247	33.92	-.15	131	33.97	-.69
419	9.83	-.15	Avg	34.18		193	34.04	.73	313	33.91	-.16	040	33.98	-.80
414	9.83	-.18	090	34.18	-.09	Avg	33.91		057	33.92	-.18	322	33.75	-2.29
007	9.82	-.20	049	34.09	-.34	105	33.75	-.96	415	33.84	-.39	055	28.83 s	-37.67
211	9.82	-.23	405	34.08 X	-.46	409	33.78	-1.03	030	33.86	-.43			
247	9.82	-.25	157	34.01	-.57	042	33.87 R	-3.83	105	33.75	-.61	Meth: 041.20 PCT		
422	9.81	-.26	057	33.92	-.90	Meth: 020.50 PCT			409	33.78	-.62	Dir Available Phosph		
351	9.81	-.35	313	33.91	-.91	<u>Total Phosphate</u>			376	33.74	-.63	<u>Spectrometric</u>		
185	9.81	-.44	300	14.86 s	-63.92	<u>ICP</u>			356	33.76	-.67	419	33.70	-.71
142	9.78	-.46	Meth: 020.20 PCT			422	34.27	.93	288	33.69	-.79	Meth: 041.30 PCT		
027	9.79	-.46	<u>Total Phosphate</u>			247	33.97	.32	231	33.65	-.90	Dir Available Phosph		
177	9.79	-.48	<u>Spectrometric</u>			Avg	33.81		324	33.54	-1.25	<u>Alka Quim</u>		
024	9.76	-.56	234	34.85 s	4.12	389	33.20	-1.24	416	33.44	-1.47	260	32.21 S	.00
322	9.78	-.59	292	34.19	1.41	368	32.71 S	-2.53	262	33.45	-1.52	Meth: 041.40 PCT		
234	9.75	-.60	397	34.14	1.30	275	31.47 S	-4.84	042	33.87 R	-1.91	Dir Available Phosph		
296	9.75	-.61	142	34.13	1.18	Meth: 020.XX PCT			389	33.20	-2.16	<u>Automated</u>		
114	9.75	-.65	420	34.08	.99	<u>Total Phosphate</u>			368	32.71 s	-3.93	072	34.97	1.62
035	9.75	-.65	232	33.99	.62	035	35.42 s	4.14	275	31.47 s	-7.21	131	34.03	.33
233	9.73	-.71	177	33.97	.55	234	34.85	2.56	369	30.97 s	-8.50	Avg	33.79	
105	9.76	-.78	030	33.86	.48	095	34.77	2.30	300	14.86 s	-54.26	027	33.59	-.28
157	9.72	-.84	247	33.92	.33	114	34.54	1.64	Meth: 041.10 PCT			029	33.45	-.49
102	9.74	-.84	415	33.84	.28	422	34.27	.89	Dir Available Phosph			025	32.92	-1.21
034	9.72	-.86	Avg	33.84		292	34.19	.64	<u>Grav Quimociac</u>					
324	9.71	-.90	376	33.74	-.39	090	34.18	.61	211	34.29	1.63	Meth: 041.50 PCT		
040	9.70	-.92	356	33.76	-.56	397	34.14	.60	009	34.23	1.24	Dir Available Phosph		
389	9.69	-.98	288	33.69	-.63	142	34.13	.48	185	34.20	1.04	<u>ICP</u>		
029	9.66	-1.16	231	33.65	-.77	405	34.08 X	.40	072	34.16	.74	325	34.25	1.15
043	9.65	-1.22	324	33.54	-1.28	049	34.09	.36	102	34.15	.69	360	34.18	1.05
042	9.62	-1.47	416	33.44	-1.58	420	34.08	.35	041	34.15	.67	393	33.76	.50
009	9.59	-1.65	262	33.45	-1.66	320	34.08	.35	Avg	34.06		Avg	33.58	
368	9.48	-2.29	369	30.97 s	-11.51	193	34.04	.22	137	34.04	-.30	023	32.97	-.72
030	9.46	-2.40				157	34.01	.14	296	34.00	-.42	251	32.77	-.86
055	9.34 A	-3.16				232	33.99	.12	254	34.00	-.42	007	32.49 S	-1.25
275	9.22 s	-3.81				177	33.97	.09	086	33.99	-.48			
360	9.14 s	-4.30				233	33.99	-.53						

* 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: 041.60 PCT			Meth: 041.XX PCT			Meth: 050.00 PCT			Meth: 050.31 PCT			Meth: 050.60 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			Soluble Potash			Soluble Potash			Soluble Potash		
<u>EDTA Extract</u>			131 33.97 -.06			<u>STPB Oxalate</u>			<u>AA (Citrate)</u>			<u>Flame (Oxalate)</u>		
073	34.80	2.37	028	33.91	-.15	231	60.22	-.49	086	61.85	.87	024	60.67	-1.56
377	34.25 R	1.04	351	33.80	-.45	022	60.24	-.49	Avg	60.43		114	60.19 s	-4.03
043	34.05	.10	322	33.75	-.56	072	60.18	-.55	254	59.00	-.86	Meth: 050.61 PCT		
Avg	34.02		393	33.76	-.58	090	60.10	-.68	Meth: 050.50 PCT			Soluble Potash		
106	33.98	-.14	288	33.69	-.69	418	60.05 X	-.79	Soluble Potash			<u>Flame (Citrate)</u>		
296	33.95	-.22	419	33.70 R	-.81	233	59.95	-.96	<u>ICP (Oxalate)</u>			025	62.47	1.86
105	34.01	-.31	027	33.59	-.92	193	59.44	-1.94	157	61.61	1.68	028	60.73	.27
028	33.91	-.35	029	33.45	-1.28	296	59.34	-2.14	419	60.90	.73	024	60.51	.08
351	33.80	-.72	023	32.97 R	-2.52	Meth: 050.10 PCT			Avg	60.51		Avg	60.43	
288	33.69	-1.04	025	32.92	-2.55	Soluble Potash			247	60.49	-.07	035	59.93	-.45
Meth: 041.XX PCT			251	32.77	-2.90	<u>STPB Citrate</u>			292	60.43	-.18	030	59.78	-.59
<u>Dir Available Phosph</u>			007	32.49 s	-3.58	041 60.61 .87			106	60.49	-.28	029	59.14	-1.18
072	34.97	2.41	260	32.21 s	-4.26	Avg 59.89			422	60.34	-.36	Meth: 050.99 PCT		
073	34.80	2.00	055	28.83 s	-12.43	322 59.18 -.86			324	59.37	-1.71	Soluble Potash		
377	34.25 R	.91	Meth: 048.20 PCT			Meth: 050.30 PCT			Meth: 050.51 PCT			<u>Other</u>		
211	34.29	.77	Water Soluble Phosph			Soluble Potash			Soluble Potash			360	63.28 S	2.38
325	34.25	.69	<u>Spectrometric</u>			AA (Oxalate)			ICP (Citrate)			330	63.05	2.12
009	34.23	.64	415	13.68	.71	356 63.24 1.77			389 62.60 1.27			419	61.25	.84
185	34.20	.56	Meth: 050.00 PCT			040 60.92 R 1.08			393 62.37 1.12			376	61.20	.74
360	34.18	.52	Soluble Potash			185 62.00 .98			251 61.62 .62			177	60.88	.50
072	34.16	.46	<u>STPB Oxalate</u>			095 61.37 .57			Avg 60.71			300	60.38	.12
102	34.15	.45	057	61.25	1.55	363 61.01 .53			377 60.25 -.35			232	60.23	.02
041	34.15	.44	102	61.18	1.41	369 60.77 .41			007 60.09 -.42			Avg	60.22	
105	34.01	.26	029	61.04	1.17	234 60.93 .29			023 59.53 -.80			325	60.22	-.03
043	34.05	.21	137	61.00	1.06	Avg 60.48			368 58.50 -1.52			027	60.03	-.20
040	33.98	.20	095	60.75 R	.82	405 60.29 -.12			Meth: 050.60 PCT			260	60.04	-.23
029	34.00	.19	009	60.75	.58	262 60.30 -.13			Soluble Potash			042	59.88 R	-.51
137	34.04	.18	028	60.75	.58	420 58.74 -1.13			Flame (Oxalate)			275	58.68 X	-1.16
131	34.03	.16	043	60.66	.46	142 58.75 -1.21			406 61.45 1.29			397	58.51 X	-1.27
086	33.99	.08	416	60.67	.43	351 57.89 -1.66			055 61.25 .58			072	58.13	-1.56
296	34.00	.08	131	60.66	.40	073 57.92 S -2.70			Avg 61.09			Meth: 050.XX PCT		
254	34.00	.08	350	60.64	.36	Meth: 050.60 PCT			415 61.07 -.07			Soluble Potash		
106	33.98	.06	049	60.49	.34	Soluble Potash			288 61.02 -.28			360 63.28 s 2.74		
233	33.99	.04	Avg	60.45		Flame (Oxalate)			105 60.84 R -1.06			356 63.24 2.58		
Avg	33.97		296	33.95	-.05	406 61.45 1.29			Avg 61.09			Meth: 050.XX PCT		
* X=Excluded from lab performance			211	60.37	-.15	055 61.25 .58			415 61.07 -.07			Soluble Potash		
S/s=Screened Outlier			R=Duplicate Range too large			073 57.92 S -2.70			288 61.02 -.28			360 63.28 s 2.74		
			A=Analysis beyond 3-s limits			Avg 60.48			105 60.84 R -1.06			356 63.24 2.58		

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 101.XX PCT			Meth: 121.XX PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>		
330	63.05	2.40	247	60.49	-.04	072	58.13	-2.23	009	0.01	-.76	193	0.04	-2.24
389	62.60	1.98	292	60.43	-.11	351	57.89	-2.46	288	0.01	-.81			
025	62.47	1.86	300	60.38	-.11	073	57.92 s	-3.96	105	0.01	-.96	Meth: 131.30 PCT		
393	62.37	1.76	211	60.37	-.12							Water Soluble Magnes		
040	60.92 R	1.57	049	60.49	-.16	Meth: 060.00 PCT			Meth: 121.00 PCT			<u>ICP</u>		
185	62.00	1.41	106	60.49	-.17	Free Water			Acid Soluble Magnesi			393	0.04	-.71
086	61.85	1.30	405	60.29	-.20	<u>Vacuum Oven</u>			<u>AA</u>					
157	61.61	1.08	262	60.30	-.21	416	0.10	.91	105	0.06	.94	Meth: 144.01 PCT		
251	61.62	1.06	422	60.34	-.22	363	0.10	.90	Avg	0.05		Sulfur		
406	61.45	.89	232	60.23	-.25	Avg	0.07		193	0.04	-.78	<u>Gravimetric</u>		
419	61.25	.82	325	60.22	-.27	105	0.06	-.47				193	0.45	.79
095	61.37	.82	022	60.24	-.28	007	0.02	-1.28	Meth: 121.30 PCT			Avg	0.40	
363	61.01 R	.77	231	60.22	-.28				Acid Soluble Magnesi			288	0.35	-.93
057	61.25	.71	072	60.18	-.31	Meth: 101.00 PCT			<u>ICP</u>					
055	61.25	.71	377	60.25	-.33	Acid Soluble Calcium			422	0.30 S	55.22	Meth: 144.99 PCT		
376	61.20	.66	090	60.10	-.38	<u>AA</u>			393	0.22 S	34.64	Sulfur		
102	61.18	.64	007	60.09	-.40	105	0.01	.71	232	0.08	1.03	<u>Other</u>		
369	60.77	.59	418	60.05 X	-.43				320	0.08	.88	422	0.43	.90
415	61.07	.54	027	60.03	-.48	Meth: 101.30 PCT			131	0.07	.72	232	0.40	.75
029	61.04	.53	260	60.04	-.49	Acid Soluble Calcium			Avg	0.07		405	0.39 R	.68
288	61.02	.49	233	59.95	-.52	<u>ICP</u>			247	0.07	-.44	009	0.38	.67
137	61.00	.47	035	59.93	-.54	422	0.75 s	22.96	288	0.07	-.44	Avg	0.26	
419	60.90	.47	114	60.19 R	-.67	247	0.08	1.27	009	0.06	-1.66	247	0.05	-1.14
234	60.93	.41	030	59.78	-.68	035	0.07	.94	035	0.07 R	-1.68	035	0.04	-1.17
177	60.88	.38	042	59.88 R	-.80	Avg	0.04							
095	60.75	.37	023	59.53	-.92	232	0.03	-.23	Meth: 121.XX PCT			Meth: 144.XX PCT		
105	60.84	.35	193	59.44	-1.00	320	0.02 R	-.70	<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>		
009	60.75	.24	324	59.37	-1.07	009	0.01	-.96	422	0.30 s	19.16	193	0.45	.83
028	60.75	.24	296	59.34	-1.09	288	0.01	-1.02	393	0.22 s	12.16	422	0.43	.71
028	60.73	.22	322	59.18	-1.26				232	0.08	.72	232	0.40	.54
041	60.61	.21	029	59.14	-1.29	Meth: 101.XX PCT			320	0.08	.67	405	0.39 X	.48
043	60.66	.18	073	59.76 R	-1.33	<u>Acid Soluble Calcium</u>			131	0.07	.60	009	0.38	.47
024	60.67	.18	254	59.00	-1.41	422	0.75 s	22.89	288	0.07	.23	288	0.35 R	.32
416	60.67	.16	420	58.74	-1.67	247	0.08	1.44	247	0.07	.23	Avg	0.30	
131	60.66	.15	275	58.68 X	-1.72	035	0.07	1.12	Avg	0.07		247	0.05	-1.49
350	60.64	.13	142	58.75 R	-1.79	Avg	0.04		009	0.06	-.20	035	0.04	-1.53
024	60.51	.01	397	58.51 X	-1.87	232	0.03	-.03	035	0.07 R	-.38			
Avg	60.50		368	58.50	-1.94	320	0.02 R	-.50	105	0.06 R	-1.09			

* 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: 151.00 PPM			Meth: 165.99 PCT			Meth: 181.30 PPM			Meth: 190.XX PCT			Meth: 191.XX PPM		
<u>Arsenic</u>			<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Water Soluble Chlори</u>			<u>Chromium</u>		
<u>Atomic Absorption</u>			<u>Other</u>			<u>ICP</u>			105 47.89 .87			102 189.67 .41		
040 5.32 1.54			009 0.006 S 12.32			288 34.30 -.97			Avg 47.60			368 190.25 .35		
Avg 4.15			288 0.003 1.37			368 33.58 -1.47			009 47.32 -.87			231 190.00 .31		
231 4.08 -.11			232 0.003 .10									Avg 187.25		
233 3.66 -.70			Avg 0.003			Meth: 181.99 PPM			Meth: 191.00 PPM			393 184.28 -.36		
136 3.55 -.79			422 0.003 -.79			<u>Cadmium</u>			<u>Chromium</u>			009 183.25 -.43		
						<u>Other</u>			<u>Atomic Absorption</u>			389 180.00 -.77		
						409 2.20 S .00			296 215.50 .71			232 173.50 -1.48		
Meth: 151.30 PPM			Meth: 165.XX PCT			Meth: 181.XX PPM			Meth: 191.30 PPM			409 170.00 -1.83		
<u>Arsenic</u>			<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Chromium</u>			035 1.32 s -19.76		
<u>ICP</u>			009 0.006 s 27.92			040 39.28 1.49			<u>ICP</u>			Meth: 202.30 PPM		
368 9.75 S 9.67			288 0.003 R 3.65			247 39.00 1.35			376 200.50 1.47			<u>Acid Soluble Cobalt</u>		
106 2.95 1.22			232 0.003 1.29			231 38.95 1.25			247 200.00 1.38			<u>ICP</u>		
102 2.98 .57			Avg 0.003			376 38.25 .94			288 192.50 .55			231 4.09 s 9.21		
Avg 2.68			422 0.003 -.64			233 37.17 .61			419 193.00 .51			247 1.80 1.88		
376 2.10 -.83			393 0.003 -.64			102 37.16 .55			368 190.25 .23			Avg 1.20		
						232 36.20 .05			231 190.00 .19			288 1.10 -.31		
Meth: 151.99 PPM			Meth: 181.00 PPM			Avg 36.15			Avg 188.81			009 1.10 -.31		
<u>Arsenic</u>			<u>Cadmium</u>			136 35.50 -.36			393 184.28 -.59			040 1.00 -.62		
<u>Other</u>			<u>Atomic Absorption</u>			397 35.44 -.38			009 183.25 -.69					
409 3.50 .71			040 39.28 1.34			106 36.00 -.45			389 180.00 -1.08			Meth: 202.99 PPM		
			233 37.17 .59			009 34.90 -.56			232 173.50 -1.91			<u>Acid Soluble Cobalt</u>		
Meth: 151.XX PPM			Avg 35.88			419 34.50 -.77			035 1.32 s -23.07			<u>Other</u>		
<u>Arsenic</u>			136 35.50 -.23			288 34.30 -.83						409 0.75 .71		
368 9.75 s 6.39			397 35.44 -.25			368 33.58 -1.30			Meth: 191.99 PPM			Meth: 202.XX PPM		
040 5.32 1.79			193 32.00 -1.49			193 32.00 -1.90			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>		
231 4.08 .50						409 2.20 s -15.12			<u>Other</u>			409 0.75 .71		
233 3.66 .22			Meth: 181.30 PPM						409 170.00 .00			Meth: 202.XX PPM		
Avg 3.60			<u>Cadmium</u>			Meth: 190.00 PCT			Meth: 191.XX PPM			<u>Acid Soluble Cobalt</u>		
136 3.55 -.07			<u>ICP</u>			<u>Water Soluble Chlори</u>			<u>Chromium</u>			231 4.09 s 8.90		
409 3.50 -.23			247 39.00 1.40			<u>Titrimetric</u>			296 215.50 R 3.08			247 1.80 1.99		
102 2.98 -.71			231 38.95 1.30			105 47.89 -.71			376 200.50 1.43			102 1.35 R .79		
106 2.95 R -1.11			376 38.25 .95						247 200.00 1.36			Avg 1.12		
376 2.10 -1.56			102 37.16 .54			Meth: 190.99 PCT			288 192.50 .62			288 1.10 -.07		
			Avg 36.28			<u>Water Soluble Chlори</u>			419 193.00 .61			009 1.10 -.07		
Meth: 165.00 PCT			232 36.20 -.06			<u>Other</u>			040 1.00 -.36			419 1.00 -.36		
<u>Acid Soluble Boron</u>			106 36.00 -.50			009 47.32 .71			040 1.00 -.36					
<u>Spectrometric</u>			009 34.90 -.67											
393 0.003 .00			419 34.50 -.90											

* 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: 202.XX PPM			Meth: 241.30 PCT			Meth: 251.99 PPM			Meth: 261.XX PCT			Meth: 289.30 PPM		
<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>		
409 0.75 -1.12			<u>ICP</u>			<u>Other</u>			102 0.018 R .48			<u>ICP</u>		
			422 0.49 .43			409 0.35 .71			288 0.018 .32			232 14.00 .26		
Meth: 221.00 PCT			102 0.49 .40						232 0.017 .20			Avg 13.75		
<u>Acid Soluble Copper</u>			320 0.49 .40			Meth: 251.XX PPM			009 0.017 .20			009 13.50 -.27		
<u>Atomic Absorption</u>			Avg 0.48			<u>Lead</u>			275 0.017 X .14			419 13.00 -.80		
193 0.0005 .71			009 0.46 -.87			393 5.71 2.15			320 0.017 .09			106 13.00 -.80		
			247 0.43 -2.23			419 2.05 .22			247 0.017 .06			102 13.06 R -.83		
Meth: 221.30 PCT			035 0.02 s -18.63			376 2.00 .18			Avg 0.017			231 12.68 -1.14		
<u>Acid Soluble Copper</u>						Avg 1.67			193 0.011 -2.34					
<u>ICP</u>			Meth: 241.XX PCT			136 1.00 -.36			035 0.001 s -7.01			Meth: 289.99 PPM		
232 2.2000 1.62			<u>Acid Soluble Iron</u>			106 0.60 -.59						<u>Molybdenum</u>		
Avg 0.5508			105 0.50 R .88			409 0.35 -.71			Meth: 281.00 PPM			<u>Other</u>		
247 0.4500 R -.11			232 0.50 .74			193 0.00 -.89						409 14.50 .71		
422 0.0020 -.54			288 0.50 .67						<u>Atomic Absorption</u>					
393 0.0010 -.54			131 0.49 .52			Meth: 261.00 PCT			193 0.05 -.71			Meth: 289.XX PPM		
102 0.0002 -.54			422 0.49 .43			<u>Acid Soluble Manganese</u>						<u>Molybdenum</u>		
			102 0.49 .40			<u>AA</u>						393 23.09 s 10.23		
Meth: 221.XX PCT			320 0.49 .40			193 0.011 -.71			Meth: 281.30 PPM			288 15.05 1.51		
<u>Acid Soluble Copper</u>			Avg 0.48						<u>Mercury</u>			368 15.04 1.50		
232 2.2000 1.90			009 0.46 -.87			Meth: 261.30 PCT			<u>ICP</u>			409 14.50 R 1.06		
247 0.4500 R .05			247 0.43 -2.23			<u>Acid Soluble Manganese</u>			040 3.40 .71			232 14.00 .36		
Avg 0.4408			035 0.02 s -18.63			<u>ICP</u>						Avg 13.67		
422 0.0020 -.47						393 0.240 s 217.71			Meth: 281.XX PPM			009 13.50 -.18		
393 0.0010 -.47			Meth: 251.00 PPM			422 0.020 2.32			<u>Mercury</u>			419 13.00 -.72		
193 0.0005 -.47			<u>Lead</u>			102 0.018 R .61			040 3.40 .87			106 13.00 -.72		
102 0.0002 -.48			<u>Atomic Absorption</u>			Avg 0.018			193 0.05 -.87			102 13.06 -.77		
			136 1.00 .87			288 0.018 -.03						231 12.68 -1.08		
Meth: 241.00 PCT			Avg 0.50			009 0.017 -.33			Meth: 289.00 PPM			040 9.45 s -4.61		
<u>Acid Soluble Iron</u>			193 0.00 -.87			232 0.017 -.34			<u>Molybdenum</u>					
<u>Atomic Absorption</u>						275 0.017 X -.45			<u>Atomic Absorption</u>			Meth: 291.30 PPM		
105 0.50 .71			Meth: 251.30 PPM			320 0.017 -.57			040 9.45 S .00			<u>Nickel</u>		
			<u>Lead</u>			247 0.017 -.62						<u>ICP</u>		
Meth: 241.30 PCT			<u>ICP</u>			035 0.001 s -16.76			Meth: 289.30 PPM			389 4.20 1.83		
<u>Acid Soluble Iron</u>			393 5.71 1.54						<u>Molybdenum</u>			368 3.53 R .91		
<u>ICP</u>			Avg 2.59			Meth: 261.XX PCT			<u>ICP</u>			393 3.64 .89		
232 0.50 .74			419 2.05 -.28			<u>Acid Soluble Manganese</u>			393 23.09 s 9.88			102 3.43 .58		
288 0.50 .67			376 2.00 -.29			393 0.240 s 95.77			288 15.05 1.38			231 3.26 .32		
131 0.49 .52			106 0.60 -.99			422 0.020 1.35			368 15.04 1.37			Avg 3.11		
* 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: 291.30 PPM Nickel			Meth: 301.XX PPM <u>Selenium</u>			Meth: 321.00 PCT Acid Soluble Zinc			Meth: 321.99 PCT Acid Soluble Zinc					
<u>ICP</u>			409 0.74 1.29			<u>Atomic Absorption</u>			<u>Other</u>					
232	3.00	-.19	Avg	0.28		105	0.050 s	5.87	409	0.041	.00			
009	2.95	-.38	296	0.06	-.63	029	0.049	1.54	Meth: 321.XX PCT					
106	2.90	-.40	040	0.05	-.66	095	0.048	.83	<u>Acid Soluble Zinc</u>					
419	2.40	-1.20	Meth: 311.00 PCT			028	0.048	.78	389	0.058 s	4.40			
376	2.25	-1.46	Sodium			055	0.047	.34	105	0.050 s	4.38			
Meth: 291.99 PPM Nickel			<u>Atomic Absorption</u>			Avg 0.046			102	0.052 R	2.07			
<u>Other</u>			193	0.06	.71	390	0.046	-.44	040	0.050 R	1.59			
409	4.30	-.71	Meth: 311.30 PCT			043	0.045	-.71	419	0.050	1.24			
Meth: 291.XX PPM Nickel			Sodium			296	0.045	-.93	422	0.050	1.24			
<u>Nickel</u>			<u>Flame Photometric</u>			234	0.044	-1.46	009	0.050	1.09			
409	4.30	1.60	320	0.07	.71	193	0.005 s	-22.66	288	0.050	1.06			
389	4.20	1.44	Meth: 311.99 PCT			Meth: 321.10 PCT			247	0.050	1.05			
368	3.53 R	.67	Sodium			Acid Soluble Zinc			029	0.049	.81			
393	3.64	.61	<u>Other</u>			<u>Gravimetric</u>			131	0.049	.70			
102	3.43	.36	035	0.98	1.62	106	0.047	.71	393	0.048	.29			
231	3.26	.18	Avg	0.29		Meth: 321.30 PCT			095	0.048	.26			
Avg	3.23		422	0.26 R	-.10	Acid Soluble Zinc			028	0.048	.22			
232	3.00	-.35	232	0.06	-.54	<u>ICP</u>			Avg	0.047				
009	2.95	-.48	009	0.06	-.54	389	0.058 s	5.88	231	0.047	-.02			
106	2.90	-.52	288	0.06	-.54	102	0.052 R	2.45	232	0.047	-.13			
419	2.40	-1.24	Meth: 311.XX PCT			040	0.050 R	1.85	055	0.047	-.31			
376	2.25	-1.47	Sodium			419	0.050	1.11	368	0.046	-.40			
Meth: 301.00 PPM Selenium			035	0.98	2.14	422	0.050	1.11	390	0.046	-.68			
<u>Atomic Absorption</u>			422	0.26 R	.13	009	0.050	.87	043	0.045	-.91			
040	0.05	.00	Avg	0.22		247	0.050	.85	106	0.047 R	-1.07			
Meth: 301.99 PPM Selenium			320	0.07	-.41	288	0.050	.85	296	0.045	-1.09			
<u>Other</u>			232	0.06	-.43	131	0.049	.28	234	0.044	-1.50			
409	0.74	.87	009	0.06	-.43	Avg	0.048		409	0.041	-2.54			
Avg	0.40		288	0.06	-.43	393	0.048	-.57	193	0.005 s	-17.78			
296	0.06	-.86	193	0.06	-.45	231	0.047	-.80	Meth: 325.30 PCT					
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits					
Sample 200310			November 24, 2003						Water Soluble Zinc					
									<u>ICP</u>					
									393	0.042	.71			

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	9	0.00	0.99	0.26	151.30	4	2.42	4.86	0.65
001.99	9	- 0.03	0.96	0.37	151.XX	9	0.63	2.34	0.34
001.XX	18	0.00	0.96	0.32	165.99	4	3.041	6.113	1.129
010.11	8	0.00	0.96	0.37	165.XX	5	6.039	12.133	2.202
010.12	4	0.00	1.06	0.17	181.00	5	0.00	1.00	0.32
010.60	49	0.03	1.78	0.45	181.30	10	0.00	0.96	0.34
010.99	4	0.00	1.05	0.20	181.XX	16	- 0.94	3.89	0.35
010.XX	63	- 0.05	1.52	0.51	190.XX	2	0.00	1.22	0.10
020.10	9	- 7.10	21.33	0.17	191.30	12	- 1.92	6.73	0.20
020.20	18	- 0.41	3.07	0.32	191.XX	14	- 1.20	5.48	0.25
020.40	6	1.40	3.64	1.59	202.30	7	1.34	3.46	0.86
020.50	5	- 1.39	2.24	0.70	202.XX	8	1.16	3.16	0.76
020.XX	37	- 1.88	9.12	0.51	221.30	5	- 0.019	0.9365	0.0220
041.10	16	- 2.35	9.46	0.35	221.XX	6	0.0017	0.9487	0.0220
041.40	5	0.00	1.05	0.10	241.30	9	- 2.07	6.28	0.12
041.50	6	0.00	1.02	0.20	241.XX	10	- 1.80	5.99	0.22
041.60	9	0.08	0.98	0.29	251.00	2	0.00	1.22	0.00
041.XX	34	- 0.69	2.47	0.31	251.30	4	0.00	1.08	0.09
050.00	22	- 0.03	1.00	0.53	251.XX	7	0.00	1.04	0.07
050.10	2	0.00	1.18	0.22	261.30	10	20.089	69.564	3.099
050.30	13	- 0.10	1.02	0.69	261.XX	11	8.097	29.137	1.295
050.31	2	0.00	1.22	0.11	281.XX	2	0.000	1.224	0.037
050.50	7	0.00	1.00	0.28	289.30	9	1.02	3.45	0.17
050.51	7	0.00	1.03	0.15	289.XX	11	0.60	3.60	0.27
050.60	7	- 0.60	1.50	0.92	291.30	10	0.07	0.99	0.23
050.61	6	0.00	1.05	0.05	291.XX	11	0.04	0.97	0.20
050.99	14	0.15	1.12	0.25	301.99	2	0.00	1.22	0.10
050.XX	73	0.00	1.03	0.44	301.XX	3	0.00	1.11	0.09
060.00	4	0.00	1.00	0.36	311.99	5	- 0.02	0.94	0.03
060.XX	4	0.00	1.00	0.36	311.XX	7	0.02	0.96	0.03
101.30	7	3.18	8.76	0.31	321.00	10	- 2.054	7.326	1.743
101.XX	8	2.80	8.16	0.29	321.30	14	0.649	1.846	0.552
121.00	2	0.00	1.11	0.37	321.XX	26	- 0.355	3.785	0.896
121.30	9	9.83	20.55	0.98					
121.XX	11	2.75	6.62	0.33					
144.01	2	0.00	1.12	0.36					
144.99	6	0.11	0.99	0.04					
144.XX	8	0.03	0.97	0.07					
151.00	4	0.00	1.07	0.15					