

- Pass 1 Results for 78 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	17.23	0.20	0.06	5	17.23	0.20	0.06
Ammoniacal Nitrogen, Other		001.99	9	17.23	0.13	0.08	9	17.23	0.13	0.08
Method Group 001.XX PCT			15	17.27	0.22	0.07	15	17.27	0.22	0.07
Ammon & Nitrate N, Devarda	892.01	009.10	3	16.27	2.07	0.06	3	16.27	2.07	0.06
Total Nitrogen, Modified Comprehensive	978.02	010.11	9	17.69	0.37	0.04	8	17.67	0.39	0.03
Total Nitrogen, Salicylic	955.04D	010.12	2	17.57	0.05	0.07	2	17.57	0.05	0.07
Total Nitrogen, Combustion		010.60	52	17.71	0.32	0.16	50	17.70	0.29	0.14
Total Nitrogen, Other		010.99	3	17.71	0.13	0.10	3	17.71	0.13	0.10
Method Group 010.XX PCT			66	17.71	0.31	0.14	60	17.71	0.29	0.10
Total Phosphate, Grav Quimociac	962.02	020.10	9	46.39	0.31	0.06	9	46.39	0.31	0.06
Total Phosphate, Spectrometric	958.01	020.20	19	46.43	0.56	0.28	17	46.47	0.53	0.17
Total Phosphate, Automated	978.01	020.40	6	46.46	0.10	0.09	6	46.46	0.10	0.09
Total Phosphate, ICP		020.50	9	46.38	0.51	0.20	8	46.38	0.53	0.14
Total Phosphate, Other		020.99	2	45.93	0.39	0.17	2	45.93	0.39	0.17
Method Group 020.XX PCT			46	46.39	0.46	0.21	43	46.41	0.45	0.14
Insoluble Phosphate, Spectrometric	963.03C	030.20	2	0.06	0.01	0.01	2	0.06	0.01	0.01
Insoluble Phosphate, Automated	978.01	030.40	2	0.05	0.02	0.01	2	0.05	0.02	0.01
Insoluble Phosphate, Other		030.99	1	0.06	0.04	0.06	1	0.06	0.04	0.06
Method Group 030.XX PCT			5	0.05	0.02	0.02	4	0.05	0.02	0.01
InDir Available Phosphate, Spectrometri	960.02	040.20	3	46.42	0.27	0.02	3	46.42	0.27	0.02
InDir Available Phosphate, Automated ..	960.02	040.40	2	46.37	0.13	0.11	2	46.37	0.13	0.11
InDir Available Phosphate, ICP		040.50	1	45.35	0.08	0.12	1	45.35	0.08	0.12
InDir Available Phosphate, Other		040.99	1	46.51	0.05	0.07	1	46.51	0.05	0.07
Method Group 040.XX PCT			7	46.27	0.43	0.07	7	46.27	0.43	0.07
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	10	46.32	0.17	0.07	10	46.32	0.17	0.07
Dir Available Phosphate, Automated	978.01	041.40	4	46.42	0.88	0.89	4	46.42	0.88	0.89
Dir Available Phosphate, ICP		041.50	6	46.31	0.81	0.27	6	46.07	1.07	0.19
Dir Available Phosphate, EDTA Extract .	993.01	041.60	10	46.38	0.22	0.13	10	46.38	0.22	0.13
Dir Available Phosphate, Other		041.99	1	46.16	0.03	0.04	1	46.16	0.03	0.04
Method Group 041.XX PCT			33	46.27	0.56	0.25	29	46.34	0.49	0.12
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	41.53	0.40	0.56	1	41.53	0.40	0.56
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	42.71	0.71	0.15	4	42.71	0.71	0.15
Water Soluble Phosphate, Other		048.99	1	42.78	0.28	0.39	1	42.78	0.28	0.39
Method Group 048.XX PCT			6	42.53	0.75	0.26	6	42.53	0.75	0.26
Soluble Potash, STPB Oxalate	958.02	050.00	15	62.18	0.52	0.11	13	62.26	0.49	0.07
Soluble Potash, STPB Citrate	969.04	050.10	4	61.90	0.68	0.43	4	61.90	0.68	0.43
Soluble Potash, AA (Oxalate)		050.30	5	63.10	1.08	0.54	5	63.10	1.08	0.54
Soluble Potash, AA (Citrate)		050.31	1	59.50	0.71	1.00	1	59.50	0.71	1.00
Soluble Potash, ICP (Oxalate)		050.50	8	60.98	1.59	0.61	8	60.77	1.81	0.38

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Soluble Potash, ICP (Citrate)		050.51	7	62.39	1.13	1.02	7	62.39	1.13	1.02
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	3	62.26	0.60	0.12	3	62.26	0.60	0.12
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	5	63.24	0.98	0.79	5	63.24	0.98	0.79
Soluble Potash, Other		050.99	14	61.85	1.44	0.79	13	61.90	1.37	0.54
Method Group 050.XX PCT			63	62.04	1.32	0.58	57	62.05	1.19	0.37
Free Water, Vacuum Oven	965.08B	060.00	5	2.31	1.02	0.05	5	2.31	1.02	0.05
Free Water, Other		060.99	3	0.08	0.08	0.00	3	0.08	0.08	0.00
Method Group 060.XX PCT			8	1.47	1.37	0.03	8	1.47	1.37	0.03
Acid Soluble Calcium, AA	945.04	101.00	1	0.12	0.01	0.02	1	0.12	0.01	0.02
Acid Soluble Calcium, ICP		101.30	10	0.23	0.05	0.01	9	0.23	0.05	0.01
Method Group 101.XX PCT			11	0.22	0.06	0.01	11	0.22	0.06	0.01
Acid Soluble Magnesium, AA	984.01	121.00	1	1.00	0.00	0.01	1	1.00	0.00	0.01
Acid Soluble Magnesium, ICP		121.30	11	1.05	0.12	0.02	10	1.04	0.12	0.01
Acid Soluble Magnesium, Titrimetric ...	964.01	121.70	1	1.17	0.04	0.06	1	1.17	0.04	0.06
Method Group 121.XX PCT			13	1.05	0.12	0.02	12	1.05	0.12	0.02
Water Soluble Magnesium, ICP		131.30	1	0.58	0.07	0.10	1	0.58	0.07	0.10
Sulfur, Gravimetric	980.02b	144.02	1	1.01	0.00	0.00	1	1.01	0.00	0.00
Sulfur, Spectrometric		144.70	1	1.06	0.01	0.01	1	1.06	0.01	0.01
Sulfur, Other		144.99	8	1.01	0.13	0.03	7	1.00	0.13	0.02
Method Group 144.XX PCT			10	1.02	0.11	0.02	9	1.01	0.12	0.02
Arsenic, ICP		151.30	12	19.30	2.21	0.56	11	19.36	2.28	0.44
Arsenic, Other		151.99	1	20.75	0.07	0.10	1	20.75	0.07	0.10
Method Group 151.XX PPM			13	19.41	2.15	0.53	12	19.48	2.22	0.41
Acid Soluble Boron, Other		165.99	2	0.017	0.008	0.002	2	0.017	0.008	0.002
Water Soluble Boron, Other		171.99	1	4.150	0.071	0.100	1	4.150	0.071	0.100
Cadmium, ICP		181.30	11	2.90	0.52	0.19	10	2.84	0.48	0.11
Cadmium, Other		181.99	1	2.41	0.06	0.08	1	2.41	0.06	0.08
Method Group 181.XX PPM			12	2.86	0.52	0.18	11	2.80	0.48	0.11
Chromium, Atomic Absorption		191.00	1	102.30	0.45	0.64	1	102.30	0.45	0.64
Chromium, ICP		191.30	12	98.67	7.35	2.36	11	98.64	7.59	1.84
Chromium, Other		191.99	1	102.50	0.71	1.00	1	102.50	0.71	1.00
Method Group 191.XX PPM			14	99.20	6.92	2.14	13	99.22	7.10	1.68
Acid Soluble Cobalt, ICP	965.11	202.30	9	3.59	0.53	0.08	8	3.61	0.56	0.06
Acid Soluble Cobalt, Other		202.99	1	3.48	0.04	0.05	1	3.48	0.04	0.05
Method Group 202.XX PPM			10	3.58	0.50	0.08	9	3.59	0.52	0.06
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0021	0.0021	0.0000	2	0.0021	0.0021	0.0000
Acid Soluble Copper, ICP		221.30	4	0.0004	0.0008	0.0003	3	0.0000	0.0001	0.0000
Method Group 221.XX PCT			6	0.0010	0.0015	0.0002	5	0.0008	0.0016	0.0000
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	1	1.08	0.01	0.01	1	1.08	0.01	0.01

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Acid Soluble Iron, ICP		241.30	9	1.14	0.09	0.02	9	1.14	0.09	0.02
Method Group 241.XX PCT			10	1.14	0.09	0.02	10	1.14	0.09	0.02
Lead, ICP		251.30	9	3.49	3.03	0.14	8	3.57	3.21	0.08
Lead, Other		251.99	1	1.34	0.04	0.06	1	1.34	0.04	0.06
Method Group 251.XX PPM			10	3.28	2.94	0.13	9	3.32	3.10	0.08
Acid Soluble Manganese, AA	972.02b	261.11	1	0.025	0.001	0.001	1	0.025	0.001	0.001
Acid Soluble Manganese, ICP	972.02a	261.30	9	0.026	0.003	0.000	8	0.026	0.003	0.000
Method Group 261.XX PCT			10	0.026	0.003	0.000	9	0.026	0.003	0.000
Molybdenum, ICP		289.30	12	14.33	0.72	0.68	12	14.33	0.72	0.68
Molybdenum, Other		289.99	1	16.40	0.28	0.40	1	16.40	0.28	0.40
Method Group 289.XX PPM			13	14.49	0.90	0.66	13	14.49	0.90	0.66
Nickel, Atomic Absorption		291.00	1	18.96	0.52	0.73	1	18.96	0.52	0.73
Nickel, ICP		291.30	14	15.28	1.66	0.40	14	15.28	1.66	0.40
Nickel, Other		291.99	1	16.45	0.49	0.70	1	16.45	0.49	0.70
Method Group 291.XX PPM			16	15.58	1.82	0.44	16	15.58	1.82	0.44
Selenium, ICP		301.30	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Selenium, Other		301.99	1	0.09	0.00	0.01	1	0.09	0.00	0.01
Method Group 301.XX PPM			2	0.04	0.05	0.00	2	0.04	0.05	0.00
Sodium, Other		311.99	5	0.16	0.02	0.00	5	0.16	0.02	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	3	0.004	0.000	0.000	3	0.004	0.000	0.000
Acid Soluble Zinc, ICP		321.30	15	0.006	0.002	0.000	14	0.005	0.002	0.000
Acid Soluble Zinc, Other		321.99	1	0.006	0.000	0.000	1	0.006	0.000	0.000
Method Group 321.XX PCT			19	0.005	0.002	0.000	18	0.005	0.002	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: 010.60 PCT			Meth: 010.60 PCT			Meth: 010.XX 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>Combustion</u>			<u>Combustion</u>			<u>Combustion</u>			<u>Combustion</u>		
481	17.49	1.32	444	17.09	-.84	230	18.55 A	2.98	233	17.58	-.64	360	17.97	.90
405	17.35	.61	415	17.10	-.89	351	18.17	1.64	292	17.48	-.78	390	17.96	.88
486	17.25	.23	420	17.02	-1.15	483	18.18	1.64	488	17.50	-.98	007	17.75 R	.88
Avg	17.23		416	16.97	-1.39	406	18.15	1.53	234	17.42	-.99	131	17.93	.77
444	17.09	-.73	230	12.65 s	-20.79	055	18.04	1.24	482	17.55	-1.01	377	17.92	.77
416	16.97	-1.34	Meth: 009.10 PCT			307	18.06	1.24	072	17.40	-1.04	025	17.92	.73
230	12.65 s	-23.05	Ammon & Nitrate N			291	18.06	1.22	073	17.39	-1.08	368	17.72	.71
			<u>Devarda</u>			177	17.91	1.00	300	17.38	-1.13	485	17.75	.71
Meth: 001.99 PCT			444	17.79	.73	360	17.97	.92	041	17.41 X	-1.31	470	17.91	.71
<u>Ammoniacal Nitrogen</u>			258	17.42	.55	390	17.96	.90	162	17.39	-1.37	049	17.87	.65
<u>Other</u>			Avg	16.27		007	17.75	.88	486	17.27	-1.49	405	17.87	.59
169	17.89 s	5.25	497	13.60	-1.29	131	17.93	.79	444	17.21	-1.72	409	17.87	.57
096	17.41	1.48	Meth: 010.11 PCT			377	17.92	.78	472	17.20	-1.73	040	17.85	.53
409	17.32	.70	<u>Total Nitrogen</u>			025	17.92	.75	157	17.20	-1.77	415	17.85	.53
487	17.24	.60	<u>Modified Comprehensi</u>			485	17.75	.71	042	17.55 R	-1.97	489	17.82	.46
220	17.30	.55	493	18.08	1.04	368	17.72	.71	102	17.07	-2.18	105	17.82	.44
402	17.26	.41	049	17.87	.66	049	17.87	.66	Meth: 010.99 PCT			023	17.83	.41
397	17.24	.36	211	18.04	.94	405	17.87	.61	<u>Total Nitrogen</u>			024	17.81	.40
Avg	17.23		470	17.91	.61	409	17.87	.58	<u>Other</u>			096	17.82	.39
300	17.18	-.60	105	17.82 R	.40	040	17.85	.54	415			17.85	1.19	
415	17.10	-1.28	220	17.80	.31	489	17.82	.47	Avg			17.71		
420	17.02	-1.69	Avg	17.67		023	17.83	.43	460			17.65	-.47	
			090	17.66	-.11	024	17.81	.41	420			17.62	-.93	
Meth: 001.XX PCT			474	17.59	-.21	096	17.82	.41	Meth: 010.XX PCT			354	17.78	.26
<u>Ammoniacal Nitrogen</u>			114	17.49	-.47	035	17.73	.39	<u>Total Nitrogen</u>			247	17.76	.17
169	17.89	2.77	309	16.82	-2.19	136	17.81	.37	230			18.55 A	2.97	
481	17.49	.99	Meth: 010.12 PCT			389	17.80	.34	351			18.17	1.63	
096	17.41	.64	<u>Total Nitrogen</u>			354	17.78	.27	483			18.18	1.63	
405	17.35	.36	<u>Salicylic</u>			247	17.76	.19	406			18.15	1.52	
409	17.32	.20	185	17.59	.41	043	17.72	.07	493			18.08	1.28	
220	17.30	.11	Avg	17.57		Avg	17.70		055			18.04	1.23	
Avg	17.27		481	17.55	-1.15	029	17.70	-.07	307			18.06	1.22	
402	17.26	-.19				105	17.70	-.24	291			18.06	1.21	
486	17.25	-.20				231	17.60	-.35	211			18.04	1.16	
397	17.24	-.26				451	17.67	-.40	177			17.91	.99	
487	17.24	-.37				095	17.66	-.60	Meth: 010.XX PCT			Avg	17.71	
300	17.18	-.50				356	17.53	-.63	<u>Total Nitrogen</u>			029	17.70	-.07
									230			18.55 A	2.97	
									351			18.17	1.63	
									483			18.18	1.63	
									406			18.15	1.52	
									493			18.08	1.28	
									055			18.04	1.23	
									307			18.06	1.22	
									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	
									Meth: 010.XX PCT			Avg	17.71	
									<u>Total Nitrogen</u>			029	17.70	-.07
									230			18.55 A	2.97	
									351			18.17	1.63	
									483			18.18	1.63	
									406			18.15	1.52	
									493			18.08	1.28	
									055			18.04	1.23	
									307			18.06	1.22	
									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	
									Meth: 010.XX PCT			Avg	17.71	
									<u>Total Nitrogen</u>			029	17.70	-.07
									230			18.55 A	2.97	
									351			18.17	1.63	
									483			18.18	1.63	
									406			18.15	1.52	
									493			18.08	1.28	
									055			18.04	1.23	
									307			18.06	1.22	
									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	
									Meth: 010.XX PCT			Avg	17.71	
									<u>Total Nitrogen</u>			029	17.70	-.07
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									351			18.17	1.63	
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									493			18.08	1.28	
									055			18.04	1.23	
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									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	
									Meth: 010.XX PCT			Avg	17.71	
									<u>Total Nitrogen</u>			029	17.70	-.07
									230			18.55 A	2.97	
									351			18.17	1.63	
									483			18.18	1.63	
									406			18.15	1.52	
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									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	
									Meth: 010.XX PCT			Avg	17.71	
									<u>Total Nitrogen</u>			029	17.70	-.07
									230			18.55 A	2.97	
									351			18.17	1.63	
									483			18.18	1.63	
									406			18.15	1.52	
									493			18.08	1.28	
									055			18.04	1.23	
									307			18.06	1.22	
									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	
									Meth: 010.XX PCT			Avg	17.71	
									<u>Total Nitrogen</u>			029	17.70	-.07
									230			18.55 A	2.97	
									351			18.17	1.63	
									483			18.18	1.63	
									406			18.15	1.52	
									493			18.08	1.28	
									055			18.04	1.23	
									307			18.06	1.22	
									291			18.06	1.21	
									211			18.04	1.16	
									177			17.91	.99	

* 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 Total Nitrogen			Meth: 020.20 PCT Total Phosphate			Meth: 020.50 PCT Total Phosphate			Meth: 020.XX PCT Total Phosphate			Meth: 030.20 PCT Insoluble Phosphate		
<u>Spectrometric</u>			<u>Spectrometric</u>			<u>ICP</u>			<u>Spectrometric</u>			<u>Spectrometric</u>		
356	17.53	-.65	300	47.26	1.48	389	46.95	1.08	409	46.50	.27	405	0.06	1.12
233	17.58	-.66	406	47.16	1.29	025	46.60	.45	105	46.45	.21	Avg	0.06	
114	17.49	-.75	415	47.00	1.01	247	46.44	.13	309	46.49	.19	220	0.05	-.50
292	17.48	-.81	497	46.48	.64	Avg	46.38		470	46.47	.15			
488	17.50	-1.00	169	46.61	.27	474	46.20	-.37	105	46.42	.11			
234	17.42	-1.02	258	46.56	.27	291	46.11	-.51	247	46.44	.11	Meth: 030.40 PCT		
482	17.55 R	-1.03	292	46.56	.17	451	46.37 R	-.63	220	46.42	.02	Insoluble Phosphate		
072	17.40	-1.07	309	46.49	.07	402	46.07	-.63	Avg	46.41		<u>Automated</u>		
073	17.39	-1.10	Avg	46.47		482	45.50	-1.72	470	46.41	-.01	096	0.07	.88
300	17.38	-1.15	220	46.42	-.11	368	44.56 S	-3.49	231	46.37	-.11	Avg	0.05	
041	17.41 R	-1.33	231	46.37	-.20	307	43.51 s	-6.08	096	46.35	-.15	409	0.03	-.85
162	17.39 R	-1.39	356	46.25	-.44	Meth: 020.99 PCT			493	46.30	-.27	Meth: 030.99 PCT		
486	17.27	-1.52	405	46.22	-.49	Total Phosphate			356	46.25	-.38	Insoluble Phosphate		
444	17.21	-1.75	371	45.95	-1.00	<u>Other</u>			487	46.26	-.43	<u>Other</u>		
472	17.20	-1.76	230	46.20 R	-1.07	487	46.26	.89	405	46.22	-.43	247 0.06 .71		
157	17.20	-1.79	420	45.88	-1.14	Avg	45.93		474	46.20	-.49	Meth: 030.XX PCT		
042	17.55 R	-1.99	234	45.76	-1.47	460	45.61	-.85	322	46.18	-.52	<u>Insoluble Phosphate</u>		
102	17.07	-2.21	489	45.63	-1.59	Meth: 020.XX PCT			041	46.15 X	-.59	247 0.06 R 2.01		
309	16.82	-3.08	027	45.93 R	-1.64	<u>Total Phosphate</u>			291	46.11	-.66	096 0.07 .94		
Meth: 020.10 PCT			Meth: 020.40 PCT			483 49.16 s 6.14			211	46.11	-.67	405 0.06 .86		
Total Phosphate			Total Phosphate			481 47.48 2.39			451	46.37	-.74	Avg 0.05		
<u>Grav Quimociac</u>			<u>Automated</u>			300 47.26 1.90			402	46.07	-.80	220 0.05 -.08		
090	46.92	1.72	035	46.56	1.28	390 47.20 1.77			157	46.05	-.81	409 0.03 -1.37		
416	46.85	1.49	247	46.57	.98	406 47.16 1.68			420	45.88	-1.21	Meth: 040.20 PCT		
105	46.45	.33	409	46.50	.88	415 47.00 1.34			230	46.20 R	-1.21	InDir Available Phos		
470	46.47	.29	Avg	46.46		389 46.95 1.21			042	46.35 R	-1.24	<u>Spectrometri</u>		
Avg	46.39		470	46.41	-.58	090 46.92 1.14			234	45.76	-1.62	300 46.75 1.21		
493	46.30	-.32	105	46.42	-.65	416 46.85 .99			489	45.63	-1.74	Avg 46.42		
322	46.18	-.67	096	46.35	-1.18	497 46.48 .78			460	45.61	-1.80	220 46.36 -.21		
041	46.15 X	-.77	042	46.35 s	-5.45	025 46.60 .48			027	45.93 R	-1.86	405 46.16 -1.00		
211	46.11	-.89	Meth: 020.50 PCT			169 46.61 .46			482	45.50	-2.08			
157	46.05	-1.09	Total Phosphate			258 46.56 .41			368	44.56 s	-4.18			
Meth: 020.20 PCT			<u>ICP</u>			035 46.56 .39			307	43.51 s	-7.23	Meth: 040.40 PCT		
Total Phosphate			483 49.16 S 5.25			247 46.57 .35			InDir Available Phos					
<u>Spectrometric</u>			390 47.20 1.55			292 46.56 .33			<u>Automated</u>					
481	47.48	1.89							409 46.47 .97					

* 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: 040.40 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>Automated</u>			<u>Grav Quimociac</u>			<u>EDTA Extract</u>								
Avg	46.37		072	46.25	-.66	117	46.30	-.36	177	46.17	-.37	420	43.84	1.76
096	46.28	-.75	102	46.20	-.70	231	46.34	-.40	034	46.18	-.37	420	42.78	.42
			105	46.14	-1.09	136	46.30	-.40	105	46.16	-.38	Avg	42.53	
Meth: 040.50 PCT			055 46.15 -1.15			043 46.26 -.60			055 46.15 -.44			096 42.46 -.09		
<u>InDir Available Phos</u>			185 45.14 s -7.50			034 46.18 -.97			377 46.20 -.50			405 42.26 -.37		
<u>ICP</u>						177 46.17 -.97			043 45.97 -.78			415 42.30 -.40		
072	45.35	.71	Meth: 041.40 PCT			397 45.10 s -5.70			360 45.93 R -1.28			444 41.53 -1.39		
Avg	45.35		<u>Dir Available Phosph</u>						055 45.63 -1.46			Meth: 050.00 PCT		
488	42.90 S	-30.03	<u>Automated</u>			Meth: 041.99 PCT			472 45.90 R -1.69			<u>Soluble Potash</u>		
			095	47.47	1.21	<u>Dir Available Phosph</u>			027 46.03 R -1.73			<u>STPB Oxalate</u>		
Meth: 040.99 PCT			Avg 46.42			<u>Other</u>			397 45.10 -2.53			114 63.23 1.98		
<u>InDir Available Phos</u>			131 46.29 -.18			105 46.16 .71			185 45.14 R -2.67			055 63.03 1.55		
<u>Other</u>			472 45.90 -.99						007 45.00 s -3.00			405 62.61 .70		
247	46.51	.71	027 46.03 -1.00			Meth: 041.XX PCT			368 44.48 s -3.84			090 62.41 .30		
						<u>Dir Available Phosph</u>						489 62.34 .18		
Meth: 040.XX PCT			Meth: 041.50 PCT			029 49.40 s 6.25			Meth: 048.10 PCT			211 62.32 .12		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			354 47.91 3.20			<u>Water Soluble Phosph</u>			231 62.29 .12		
300	46.75	1.11	<u>ICP</u>			095 47.47 2.33			<u>Grav Quimociac</u>			Avg 62.26		
247	46.51	.56	354	47.91	1.72	486 46.89 1.12			444 41.53 .71			049 62.24 -.17		
409	46.47	.50	377	46.20	.22	485 46.71 .74						416 62.06 -.43		
220	46.36	.23	023	46.23	.15	073 46.58 .50			Meth: 048.20 PCT			220 61.93 -.67		
096	46.28	.08	Avg	46.39		233 46.50 .40			<u>Water Soluble Phosph</u>			258 61.95 R -.75		
Avg	46.27		043	45.97	-.11	177 46.44 .20			<u>Spectrometric</u>			102 61.80 -.93		
405	46.16	-.26	055	45.63	-.41	220 46.42 .18			420 43.84 1.59			470 61.61 -1.32		
072	45.35	-2.14	360	45.93 R	-.46	Avg 46.34			Avg 42.71			497 61.52 -1.50		
488	42.90 s	-8.00	007	45.00 S	-1.15	117 46.30 -.09			096 42.46 -.36			485 61.35 R -1.90		
			368	44.48 S	-1.51	040 46.30 -.09			415 42.30 -.65			230 59.50 s -5.88		
						131 46.30 -.10			405 42.26 -.65					
Meth: 041.10 PCT			Meth: 041.60 PCT			105 46.33 -.12						Meth: 050.10 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			136 46.30 -.12			Meth: 048.99 PCT			<u>Soluble Potash</u>		
<u>Grav Quimociac</u>			<u>EDTA Extract</u>			049 46.30 -.12			<u>Water Soluble Phosph</u>			<u>STPB Citrate</u>		
485	46.71	2.25	029 49.40 s 13.47			231 46.34 -.16			420 42.78 .71			041 62.75 X 1.30		
177	46.44	.70	486 46.89 2.29			131 46.29 -.20						247 62.15 .41		
220	46.42	.63	073 46.58 .94			043 46.26 -.20						Avg 61.90		
Avg	46.32		233 46.50 .75			023 46.23 -.26						444 61.32 -.87		
040	46.30	-.12	Avg 46.38			072 46.25 -.26						117 61.40 -.94		
131	46.30	-.17	105 46.33 -.35			102 46.20 -.29								
049	46.30	-.26												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.30 PCT			Meth: 050.51 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 060.00 PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Free Water		
<u>AA (Oxalate)</u>			<u>ICP (Citrate)</u>			<u>Other</u>						<u>Vacuum Oven</u>		
185	67.20 S	3.79	486	61.57	-.77	307	61.21 R	-1.54	049	62.24	.17	007	2.97	.64
157	64.55	1.44	072	61.23	-1.23	487	59.72	-1.84	131	62.25	.16	096	2.95	.62
040	63.75	.69				042	57.80 S	-3.03	460	62.10	.16	247	2.81	.49
Avg	63.10		Meth: 050.60 PCT						354	62.23	.15	416	2.42	.11
234	63.07	-.25	Soluble Potash			Meth: 050.XX PCT			136	62.20	.15	Avg 2.31		
136	62.20	-.83	<u>Flame (Oxalate)</u>			<u>Soluble Potash</u>			247	62.15	.14	497 0.41 -1.86		
356	61.91	-1.10	105	62.67	.71	185	67.20 s	4.33	Avg	62.05		Meth: 060.99 PCT		
Meth: 050.31 PCT			169	62.63	.61	483	65.41 s	2.91	043	61.95	-.10	Free Water		
Soluble Potash			Avg	62.26		481	64.65	2.19	220	61.93	-.10	<u>Other</u>		
<u>AA (Citrate)</u>			470	61.49	-1.28	157	64.55	2.15	309	61.91	-.13	220	0.18	1.29
472	59.50	.71	Meth: 050.61 PCT			007	64.00 R	1.97	356	61.91	-.14	Avg	0.08	
Meth: 050.50 PCT			Soluble Potash			029	63.93	1.65	258	61.95	-.19	368	0.04	-.55
Soluble Potash			<u>Flame (Citrate)</u>			035	63.99	1.63	102	61.80	-.21	481	0.02	-.74
<u>ICP (Oxalate)</u>			095	63.62	1.17	095	63.62 R	1.60	470	61.61	-.37	Meth: 060.XX PCT		
406	63.47	1.50	029	63.93	.92	040	63.75	1.46	055	61.67	-.38	Free Water		
354	62.23	.81	035	63.99	.76	406	63.47	1.19	292	61.59	-.39	007	2.97	1.09
055	61.67	.52	Avg	63.24		023	63.00 R	1.14	497	61.52	-.45	096	2.95	1.08
292	61.59	.46	034	62.45	-.82	114	63.23	1.00	470	61.49	-.47	247	2.81	.98
397	60.81	.03	131	62.25	-1.02	234	63.07	.89	486	61.57	-.47	416	2.42	.69
Avg	61.15		Meth: 050.99 PCT			177	63.05	.84	485	61.35	-.62	Avg	1.47	
420	59.40	-.76	Soluble Potash			055	63.03	.82	444	61.32	-.62	497	0.41	-.78
390	59.73 R	-.82	<u>Other</u>			041	62.75 X	.62	117	61.40	-.64	220	0.18	-.94
157	58.90	-1.12	481	64.65	2.01	025	62.75	.60	027	61.53	-.65	368	0.04	-1.05
488	58.05 S	-1.51	177	63.05	.84	105	62.67	.53	072	61.23	-.94	481	0.02	-1.06
Meth: 050.51 PCT			025	62.75	.63	169	62.63	.48	397	60.81	-1.05	Meth: 101.00 PCT		
Soluble Potash			034	62.45	.36	405	62.61	.47	402	60.45	-1.38	Acid Soluble Calcium		
<u>ICP (Citrate)</u>			025	62.75	.63	034	62.45	.36	307	61.21 R	-1.82	<u>AA</u>		
483	65.41 S	2.77	360	62.28	.35	360	62.28	.31	322	59.88	-1.83	105	0.12	.71
007	64.00	1.83	368	62.36	.34	377	62.40	.30	390	59.73 R	-2.15	Meth: 101.30 PCT		
023	63.00	1.01	371	62.10	.28	090	62.41	.30	472	59.50	-2.19	Acid Soluble Calcium		
377	62.40	.09	460	62.10	.20	371	62.10	.28	487	59.72 R	-2.23	<u>ICP</u>		
Avg	62.39		043	61.95	.05	368	62.36	.27	420	59.40	-2.24	389	0.30	1.33
291	62.31	-.08	309	61.91	.04	489	62.34	.24	230	59.50	-2.28	096	0.28	.85
043	62.26	-.18	Avg	61.90		211	62.32	.23	157	58.90	-2.74	Meth: 101.30 PCT		
Meth: 050.51 PCT			027	61.53	-.50	291	62.31	.22	488	58.05 s	-3.37	Acid Soluble Calcium		
Soluble Potash			402	60.45	-1.09	043	62.26	.21	042	57.80 s	-3.61	ICP		
<u>ICP (Citrate)</u>			322	59.88	-1.47	231	62.29	.20						
483	65.41 S	2.77												
007	64.00	1.83												
023	63.00	1.01												
377	62.40	.09												
Avg	62.39													
291	62.31	-.08												
043	62.26	-.18												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 101.30 PCT			Meth: 121.30 PCT			Meth: 144.02 PCT			Meth: 151.30 PPM			Meth: 165.99 PCT		
Acid Soluble Calcium			Acid Soluble Magnesi			Sulfur			Arsenic			Acid Soluble Boron		
<u>ICP</u>			<u>ICP</u>			<u>Gravimetric</u>			<u>ICP</u>			<u>Other</u>		
354	0.27	.85	389	1.07	.19	292	1.01	.00	230	23.25	1.72	354	0.024	.88
035	0.24	.26	096	1.07	.19	Meth: 144.70 PCT			095	22.00	1.16	Avg	0.017	
Avg	0.23		041	1.06 X	.17	Sulfur			049	20.89	.67	482	0.010	-.86
474	0.22	-.21	Avg	1.04		<u>Spectrometric</u>			220	20.20	.39	Meth: 171.99 PCT		
049	0.22	-.28	102	0.99	-.42	474			102	20.04	.31	Water Soluble Boron		
041	0.22 X	-.32	027	0.97	-.58	Meth: 144.99 PCT			041	19.50 X	.15	<u>Other</u>		
102	0.21	-.35	474	0.94	-.86	Sulfur			Avg	19.36		247		
482	0.21 R	-.57	354	0.80	-1.91	Other			481	19.05	-.15	4.150		
027	0.12	-2.21	Meth: 121.70 PCT			027			233	18.67 R	-.51	-.71		
Meth: 101.XX PCT			Acid Soluble Magnesi			482			486	18.19	-.58	Meth: 181.30 PPM		
Acid Soluble Calcium			<u>Titrimetric</u>			482			474	18.00	-.60	Cadmium		
389	0.30	1.42	489	1.17	.71	035			368	16.70	-1.17	<u>ICP</u>		
096	0.28	.99	Meth: 121.XX PCT			483			096	15.15	-1.84	095		
354	0.27	.98	Acid Soluble Magnesi			389			Meth: 151.99 PPM			482		
035	0.24	.45	483			Avg			Arsenic			481		
049	0.22	.18	483			096			Other			220		
474	0.22	.03	035			102			409			035		
Avg	0.22		489			354			Meth: 151.XX PPM			041		
102	0.21	-.10	489			Meth: 144.XX PCT			Arsenic			102		
041	0.22 X	-.11	482			Sulfur			230			Avg		
482	0.21	-.35	096			027			095			230		
105	0.12	-1.72	389			482			049			486		
027	0.12	-1.79	041			035			409			368		
Meth: 121.00 PCT			105			483			220			096		
Acid Soluble Magnesi			102			474			102			Meth: 181.99 PPM		
<u>AA</u>			027			389			041			Cadmium		
105	1.00	.71	474			292			Avg			<u>Other</u>		
Meth: 121.30 PCT			354			Avg			481			409		
Acid Soluble Magnesi			Meth: 131.30 PCT			096			233			2.41		
<u>ICP</u>			Water Soluble Magnes			102			486			.71		
483	1.26	1.72	<u>ICP</u>			354			474			Meth: 181.XX PPM		
035	1.19	1.19	027			Meth: 144.XX PCT			368			Cadmium		
489	1.12 R	.71	027			Sulfur			096			095		
482	1.09	.35	027			027			233			482		

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 181.XX PPM</u>			<u>Meth: 191.XX PPM</u>			<u>Meth: 202.99 PPM</u>			<u>Meth: 221.99 PCT</u>			<u>Meth: 241.XX PCT</u>		
<u>Cadmium</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>		
041	3.06 X	.63	096	107.00	1.10	409	3.48	.71	409	0.0750 S	.00	035	1.17	.38
102	2.84	.09	482	107.00	1.10	Avg	3.48		Avg	0.0008		389	1.17	.34
Avg	2.80		247	105.00	.83	300	0.22 S	-92.07	Meth: 221.XX PCT			482	1.17	.30
230	2.52	-.61	102	103.60	.62	<u>Other</u>			<u>Acid Soluble Copper</u>			102	1.16	.23
409	2.41	-.82	409	102.50	.47	<u>Meth: 202.XX PPM</u>			409	0.0750 s	46.12	Avg	1.14	
486	2.40	-.86	481	102.30	.44	<u>Acid Soluble Cobalt</u>			481	0.0039	1.89	105	1.08	-.68
368	2.22	-1.22	368	100.95	.38	481	6.09 s	4.79	433	0.0016 R	.56	096	1.07	-.77
096	2.15	-1.36	035	101.00	.29	102	4.44	1.61	Avg	0.0002	-.39	474	1.05	-1.04
			Avg	99.22		474	4.00	.78	043	0.0002	-.39	027	1.00	-1.55
			220	97.70	-.22	095	4.00	.78	474	0.0001	-.46	354	0.81 s	-3.66
			474	97.50	-.25	482	3.85	.50	Meth: 241.00 PCT			<u>Meth: 251.30 PPM</u>		
			041	98.95 R	-.57	Avg	3.59		Acid Soluble Iron			<u>Lead</u>		
			230	92.75	-.91	409	3.48	-.23	Atomic Absorption			<u>ICP</u>		
			486	90.13	-1.34	041	3.46 R	-.37	105	1.08	-.71	482	8.90	1.66
			444	82.41	-2.38	035	3.36	-.45	Meth: 241.30 PCT			300	8.50	1.54
						220	3.35	-.47	Acid Soluble Iron			095	4.00	.13
						368	3.27	-.63	Atomic Absorption			Avg	3.57	
						096	2.60	-1.89	105	1.08	-.71	220	2.90 R	-.23
						300	0.22 s	-6.43	Meth: 241.30 PCT			041	2.46 X	-.35
									Acid Soluble Iron			481	1.36	-.69
									ICP			486	1.31	-.70
									041	1.31 X	1.79	102	1.01	-.80
									420	1.22	.84	474	1.00	-.80
									035	1.17	.30			
									389	1.17	.27			
									482	1.17	.22			
									102	1.16	.15			
									Avg	1.14				
									096	1.07	-.82			
									474	1.05	-1.08			
									027	1.00	-1.58			
									354	0.81 S	-3.63			
									<u>Meth: 241.XX PCT</u>					
									<u>Acid Soluble Iron</u>					
									041	1.31 X	1.92			
									420	1.22	.94			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 251.XX PPM</u>			<u>Meth: 261.XX PCT</u>			<u>Meth: 289.XX PPM</u>			<u>Meth: 291.XX PPM</u>			<u>Meth: 311.99 PCT</u>		
<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Sodium</u>		
481	1.36	-.63	354	0.020	-2.31	233	14.07	-.72	444	25.36 s	5.40	<u>Other</u>		
409	1.34	-.64	027	0.014 s	-4.65	102	13.98	-.73	481	18.96	1.87	354	0.19	1.27
486	1.31	-.65	<u>Meth: 289.30 PPM</u>			230	13.80	-.89	041	17.75 X	1.25	035	0.18	1.03
102	1.01	-.74	<u>Molybdenum</u>			486	13.31	-1.40	095	17.00	.78	<u>Avg</u>		
474	1.00	-.75	<u>ICP</u>			096	10.65 s	-4.28	035	16.95	.77	102	0.15	-.51
<u>Meth: 261.11 PCT</u>			433	15.50	1.76	<u>Meth: 291.00 PPM</u>			102	16.67	.60	482	0.14	-.88
<u>Acid Soluble Manganese</u>			220	15.05	1.44	<u>Nickel</u>			409	16.45	.52	474	0.14	-.88
<u>AA</u>			095	15.00	.93	<u>Atomic Absorption</u>			247	16.25	.38	<u>Meth: 321.00 PCT</u>		
105	0.025	.71	247	14.50	.73	481	18.96	.71	220	15.65	.09	<u>Acid Soluble Zinc</u>		
<u>Meth: 261.30 PCT</u>			035	14.40	.17	<u>Meth: 291.30 PPM</u>			049	15.42	-.09	<u>Atomic Absorption</u>		
<u>Acid Soluble Manganese</u>			Avg	14.33		<u>Nickel</u>			474	15.00	-.32	481	0.005	1.10
<u>ICP</u>			041	14.20 X	-.33	<u>ICP</u>			482	15.15	-.34	Avg	0.004	
482	0.030	1.19	474	14.00	-.45	444	25.36 s	6.08	233	14.77	-.47	105	0.004	-.75
474	0.029	.86	368	14.10	-.52	041	17.75 X	1.53	368	14.60	-.54	043	0.004	-.85
041	0.028 X	.52	102	13.98	-.74	095	17.00	1.03	230	14.25	-.74	<u>Meth: 321.30 PCT</u>		
035	0.027	.27	233	14.07	-.76	035	16.95	1.01	486	12.97	-1.46	<u>Acid Soluble Zinc</u>		
Avg	0.026		230	13.80	-.91	102	16.67	.84	096	11.50	-2.25	<u>ICP</u>		
247	0.026	-.02	486	13.31	-1.53	247	16.25	.59	<u>Meth: 301.30 PPM</u>			292	0.010	2.17
096	0.026 R	-.07	096	10.65 s	-5.08	220	15.65	.24	<u>Selenium</u>			482	0.010	2.17
102	0.026	-.16	<u>Meth: 289.99 PPM</u>			049	15.42	.08	<u>ICP</u>			035	0.008 R	1.38
049	0.025	-.49	<u>Molybdenum</u>			Avg	15.28		095	0.00	.00	096	0.007	.57
354	0.020	-2.18	<u>Other</u>			474	15.00	-.17	<u>Meth: 301.99 PPM</u>			041	0.007 X	.56
027	0.014 S	-4.37	409	16.40	.71	482	15.15	-.28	<u>Selenium</u>			Avg	0.005	
<u>Meth: 261.XX PCT</u>			<u>Meth: 289.XX PPM</u>			233	14.77	-.34	<u>Other</u>			102	0.005	-.21
<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			368	14.60	-.41	485	0.09	.71	433	0.005	-.35
482	0.030	1.27	409	16.40	2.15	230	14.25	-.63	<u>Meth: 301.XX PPM</u>			095	0.004	-.47
474	0.029	.92	433	15.50	1.26	486	12.97	-1.41	<u>Selenium</u>			220	0.004	-.47
041	0.028 X	.56	220	15.05	1.05	096	11.50	-2.27	485	0.09	.71	354	0.005	-.50
035	0.027	.29	095	15.00	.57	<u>Meth: 291.99 PPM</u>			485	0.09	.87	368	0.004	-.56
247	0.026	.02	247	14.50	.56	<u>Nickel</u>			Avg	0.04		474	0.004	-.59
Avg	0.026		Avg	14.49		<u>Other</u>			095	0.00	-.86	230	0.004	-.65
096	0.026	-.06	035	14.40	-.15	409	16.45	-.71	<u>Meth: 301.99 PPM</u>			131	0.004	-.68
102	0.026	-.16	041	14.20 X	-.39	<u>Meth: 291.99 PPM</u>			<u>Selenium</u>			444	0.003	-1.04
105	0.025 R	-.45	474	14.00	-.54	<u>Nickel</u>			<u>Other</u>					
049	0.025	-.52	368	14.10	-.54	<u>Other</u>								

* 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>
Meth: 321.99 PCT											
Acid Soluble Zinc											
<u>Other</u>											
409	0.006	.71									
Meth: 321.XX PCT											
<u>Acid Soluble Zinc</u>											
292	0.010	2.49									
482	0.010	2.49									
035	0.008 R	1.61									
096	0.007	.72									
041	0.007 X	.70									
409	0.006	.19									
Avg	0.005										
102	0.005	-.14									
481	0.005	-.21									
433	0.005	-.31									
095	0.004	-.44									
220	0.004	-.44									
354	0.005	-.49									
368	0.004	-.53									
105	0.004	-.54									
474	0.004	-.57									
230	0.004	-.64									
043	0.004	-.65									
131	0.004	-.67									
444	0.003	-1.07									

* 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	- 3.84	9.45	0.18	060.00	5	0.00	1.06	0.03
001.99	10	0.52	1.88	0.39	060.99	3	0.00	1.12	0.01
001.XX	16	- 1.30	5.29	0.20	060.XX	8	0.00	1.03	0.02
009.10	3	0.00	1.12	0.02	101.30	10	- 0.05	0.98	0.12
009.XX	3	0.00	1.12	0.02	101.XX	11	0.00	1.02	0.12
010.11	9	0.04	0.97	0.07	121.30	11	0.06	0.99	0.11
010.12	2	0.00	0.52	0.79	121.XX	12	- 0.02	1.00	0.12
010.60	52	0.05	1.01	0.45	144.99	8	0.09	0.99	0.17
010.99	3	0.00	0.98	0.44	144.XX	10	0.08	1.00	0.17
010.XX	65	- 0.01	1.02	0.41	151.30	12	- 0.03	0.97	0.17
020.10	9	0.00	1.02	0.13	151.XX	13	- 0.03	0.98	0.17
020.20	19	- 0.08	0.96	0.43	165.99	2	0.000	1.210	0.134
020.40	7	- 0.16	0.89	2.08	165.XX	2	0.000	1.210	0.134
020.50	12	- 0.31	2.61	0.83	181.30	11	0.13	1.05	0.34
020.99	2	0.00	1.18	0.23	181.XX	12	0.12	1.06	0.33
020.XX	46	- 0.14	1.74	0.63	191.30	12	0.00	0.96	0.22
030.20	2	0.00	0.71	0.71	191.XX	14	0.00	0.97	0.22
030.40	2	0.00	1.20	0.17	202.30	9	- 0.03	0.97	0.11
030.XX	5	0.11	0.90	0.92	202.99	2	- 46.03	65.10	0.50
040.20	3	0.00	1.12	0.05	202.XX	12	- 0.16	2.56	0.18
040.40	2	0.00	1.01	0.49	221.00	2	0.0000	1.2247	0.0106
040.50	2	- 14.44	20.42	5.85	221.30	4	7.3425	14.713	5.3254
040.XX	8	- 0.98	2.93	0.58	221.XX	7	6.6359	17.385	1.1796
041.10	11	- 0.63	2.28	0.93	241.30	10	- 0.36	1.50	0.12
041.40	4	0.00	0.81	0.62	241.XX	11	- 0.33	1.47	0.11
041.50	8	- 0.14	0.95	0.27	251.30	9	- 0.02	0.97	0.04
041.60	12	0.64	4.43	0.45	251.XX	10	- 0.01	0.97	0.03
041.XX	30	- 0.10	1.80	0.57	261.30	10	- 0.442	1.654	0.055
048.20	4	0.00	1.07	0.15	261.XX	11	- 0.459	1.670	0.078
048.XX	5	- 0.21	0.85	0.39	289.30	13	- 0.39	1.62	0.54
050.00	16	- 0.50	1.70	0.49	289.XX	14	- 0.31	1.44	0.42
050.10	4	0.00	0.99	0.37	291.30	15	0.40	1.84	0.21
050.30	6	0.63	1.79	0.27	291.XX	17	0.32	1.63	0.19
050.50	9	- 0.06	0.97	0.25	301.XX	2	0.00	1.22	0.05
050.51	8	0.33	1.20	0.63	311.99	5	0.00	1.05	0.16
050.60	3	0.00	1.10	0.14	311.XX	5	0.00	1.05	0.16
050.61	5	0.00	0.85	0.57	321.00	3	0.000	0.995	0.416
050.99	15	- 0.23	1.19	0.49	321.30	15	0.087	1.034	0.148
050.XX	63	0.00	1.30	0.52	321.XX	18	- 0.053	0.889	0.155