

- Pass 1 Results for 81 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
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	6	10.54	0.44	0.11	6	10.54	0.44	0.11
Ammoniacal Nitrogen, Other .....		001.99	8	10.89	0.51	0.08	7	10.97	0.49	0.05
Method Group 001.XX PCT			14	10.74	0.50	0.09	14	10.74	0.50	0.09
Nitrate Nitrogen, Other .....		002.99	1	0.55	0.07	0.10	1	0.55	0.07	0.10
Ammon & Nitrate N, Devarda .....	892.01	009.10	5	10.92	0.24	0.12	5	10.92	0.24	0.12
Ammon & Nitrate N, Other .....		009.99	2	10.96	0.13	0.06	2	10.96	0.13	0.06
Method Group 009.XX PCT			7	10.93	0.21	0.10	7	10.93	0.21	0.10
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	10.98	0.18	0.04	6	10.98	0.18	0.04
Total Nitrogen, Salicylic .....	955.04D	010.12	3	10.88	0.09	0.11	3	10.88	0.09	0.11
Total Nitrogen, Combustion .....		010.60	48	10.91	0.20	0.12	44	10.91	0.19	0.08
Total Nitrogen, Other .....		010.99	7	10.96	0.20	0.20	6	10.97	0.12	0.10
Method Group 010.XX PCT			64	10.92	0.20	0.12	59	10.92	0.18	0.08
Total Phosphate, Grav Quimociac .....	962.02	020.10	7	52.35	0.31	0.08	6	52.38	0.32	0.04
Total Phosphate, Spectrometric .....	958.01	020.20	16	52.19	0.41	0.19	15	52.22	0.39	0.15
Total Phosphate, Automated .....	978.01	020.40	6	52.13	0.26	0.17	5	52.19	0.19	0.08
Total Phosphate, ICP .....		020.50	12	51.99	0.74	0.23	11	51.90	0.68	0.15
Total Phosphate, Other .....		020.99	3	51.94	0.61	0.19	3	51.94	0.61	0.19
Method Group 020.XX PCT			44	52.14	0.51	0.18	40	52.17	0.43	0.13
Insoluble Phosphate, Spectrometric ....	963.03C	030.20	1	0.02	0.00	0.00	1	0.02	0.00	0.00
Insoluble Phosphate, ICP .....		030.50	1	0.05	0.00	0.00	1	0.05	0.00	0.00
Method Group 030.XX PCT			2	0.04	0.02	0.00	2	0.04	0.02	0.00
InDir Available Phosphate, Spectrometri	960.02	040.20	1	51.87	0.10	0.14	1	51.87	0.10	0.14
InDir Available Phosphate, Automated ..	960.02	040.40	1	52.00	0.01	0.02	1	52.00	0.01	0.02
InDir Available Phosphate, ICP .....		040.50	1	52.25	0.00	0.00	1	52.25	0.00	0.00
Method Group 040.XX PCT			3	52.04	0.18	0.05	3	52.04	0.18	0.05
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	9	52.01	0.47	0.09	8	51.98	0.49	0.06
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	51.63	0.18	0.26	1	51.63	0.18	0.26
Dir Available Phosphate, Automated ....	978.01	041.40	3	52.49	0.94	0.54	3	52.49	0.94	0.54
Dir Available Phosphate, ICP .....		041.50	9	52.43	0.93	0.29	8	52.60	0.81	0.17
Dir Available Phosphate, EDTA Extract .	993.01	041.60	9	52.33	0.60	0.20	9	52.33	0.60	0.20
Dir Available Phosphate, Other .....		041.99	1	52.22	0.03	0.04	1	52.22	0.03	0.04
Method Group 041.XX PCT			32	52.26	0.71	0.22	30	52.27	0.66	0.15
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	45.46	0.13	0.18	1	45.46	0.13	0.18
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	47.11	0.73	0.15	4	47.11	0.73	0.15
Water Soluble Phosphate, ICP .....		048.50	1	45.56	0.06	0.08	1	45.56	0.06	0.08
Method Group 048.XX PCT			6	46.58	0.98	0.14	6	46.58	0.98	0.14
Soluble Potash, AA (Oxalate) .....		050.30	1	0.21	0.01	0.02	1	0.21	0.01	0.02
Soluble Potash, ICP (Oxalate) .....		050.50	3	0.32	0.02	0.00	3	0.32	0.02	0.00
Soluble Potash, ICP (Citrate) .....		050.51	1	0.34	0.01	0.01	1	0.34	0.01	0.01

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Soluble Potash, Flame (Oxalate) .....	983.02(a)	050.60	1	0.40	0.01	0.02	1	0.40	0.01	0.02
Soluble Potash, Flame (Citrate) .....	983.02(b)	050.61	1	0.35	0.01	0.02	1	0.35	0.01	0.02
Soluble Potash, Other .....		050.99	6	0.35	0.05	0.04	6	0.35	0.05	0.04
Method Group 050.XX PCT			13	0.34	0.06	0.02	12	0.34	0.06	0.02
Free Water, Vacuum Oven .....	965.08B	060.00	5	2.30	0.48	0.06	5	2.30	0.48	0.06
Free Water, Karl Fischer .....	972.01	060.20	1	1.18	0.01	0.02	1	1.18	0.01	0.02
Method Group 060.XX PCT			6	2.11	0.62	0.06	5	2.14	0.67	0.03
Acid Soluble Calcium, AA .....	945.04	101.00	2	0.33	0.12	0.01	2	0.33	0.12	0.01
Acid Soluble Calcium, ICP .....		101.30	11	0.30	0.04	0.02	10	0.30	0.04	0.01
Method Group 101.XX PCT			14	0.31	0.06	0.02	12	0.30	0.06	0.01
Acid Soluble Magnesium, AA .....	984.01	121.00	2	1.41	0.02	0.02	2	1.41	0.02	0.02
Acid Soluble Magnesium, ICP .....		121.30	13	1.38	0.14	0.03	13	1.38	0.14	0.03
Acid Soluble Magnesium, Other .....		121.99	1	1.42	0.04	0.05	1	1.42	0.04	0.05
Method Group 121.XX PCT			16	1.39	0.13	0.03	16	1.39	0.13	0.03
Sulfur, Gravimetric .....	980.02a	144.01	3	1.90	0.02	0.01	3	1.90	0.02	0.01
Sulfur, Spectrometric .....		144.70	1	1.77	0.03	0.04	1	1.77	0.03	0.04
Sulfur, Other .....		144.99	10	1.62	0.13	0.06	9	1.65	0.11	0.04
Method Group 144.XX PCT			14	1.69	0.16	0.05	13	1.71	0.14	0.04
Arsenic, Atomic Absorption .....		151.00	2	1.72	0.50	0.08	2	1.72	0.50	0.08
Arsenic, ICP .....		151.30	5	2.00	2.33	0.09	5	2.00	2.33	0.09
Method Group 151.XX PPM			7	1.92	1.95	0.09	6	1.91	2.12	0.05
Acid Soluble Boron, Other .....		165.99	7	0.016	0.007	0.002	6	0.015	0.007	0.001
Water Soluble Boron, Other .....		171.99	1	0.004	0.000	0.000	1	0.004	0.000	0.000
Cadmium, Atomic Absorption .....		181.00	3	39.75	1.47	0.17	3	39.75	1.47	0.17
Cadmium, ICP .....		181.30	11	39.45	2.86	1.04	10	39.44	2.93	0.74
Method Group 181.XX PPM			14	39.51	2.60	0.85	12	39.76	2.56	0.40
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Chromium, Atomic Absorption .....		191.00	2	367.00	10.07	12.00	2	367.00	10.07	12.00
Chromium, ICP .....		191.30	11	409.89	27.74	7.34	11	409.89	27.74	7.34
Method Group 191.XX PPM			13	403.29	30.13	8.06	13	403.29	30.13	8.06
Acid Soluble Cobalt, AA .....		202.00	1	4.80	0.00	0.00	1	4.80	0.00	0.00
Acid Soluble Cobalt, ICP .....	965.11	202.30	9	2.65	0.77	0.26	8	2.54	0.73	0.16
Acid Soluble Cobalt, Other .....		202.99	1	4.17	1.19	1.68	1	4.17	1.19	1.68
Method Group 202.XX PPM			11	2.98	1.05	0.36	10	2.86	0.99	0.23
Acid Soluble Copper, Atomic Absorption	975.01	221.00	3	0.0002	0.0001	0.0000	3	0.0002	0.0001	0.0000
Acid Soluble Copper, ICP .....		221.30	9	0.0017	0.0028	0.0002	7	0.0003	0.0004	0.0000
Method Group 221.XX PCT			13	0.0014	0.0024	0.0004	12	0.0013	0.0025	0.0002
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	1.34	0.04	0.05	2	1.34	0.04	0.05
Acid Soluble Iron, ICP .....		241.30	11	1.34	0.04	0.02	10	1.34	0.04	0.01

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Acid Soluble Iron, Other .....		241.99	1	1.40	0.05	0.07	1	1.40	0.05	0.07
Method Group 241.XX PCT			14	1.34	0.04	0.02	14	1.34	0.04	0.02
Lead, ICP .....		251.30	7	3.03	2.06	0.25	7	3.03	2.06	0.25
Acid Soluble Manganese, AA .....	972.02a	261.00	1	0.007	0.000	0.000	1	0.007	0.000	0.000
Acid Soluble Manganese, AA .....	972.02b	261.11	1	0.009	0.000	0.001	1	0.009	0.000	0.001
Acid Soluble Manganese, ICP .....	972.02a	261.30	13	0.009	0.002	0.000	13	0.009	0.002	0.000
Method Group 261.XX PCT			15	0.009	0.002	0.000	15	0.009	0.002	0.000
Molybdenum, ICP .....		289.30	11	16.08	1.50	0.41	11	16.08	1.50	0.41
Nickel, Atomic Absorption .....		291.00	4	37.17	5.66	1.20	4	37.17	5.66	1.20
Nickel, ICP .....		291.30	12	44.47	4.15	1.68	11	43.99	3.76	1.01
Method Group 291.XX PPM			16	42.64	5.51	1.56	15	42.17	5.23	1.06
Selenium, ICP .....		301.30	2	0.20	0.23	0.01	2	0.20	0.23	0.01
Selenium, Other .....		301.99	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Method Group 301.XX PPM			3	0.13	0.20	0.01	3	0.13	0.20	0.01
Sodium, Flame Photometric .....	974.01	311.30	1	0.31	0.01	0.02	1	0.31	0.01	0.02
Sodium, Other .....		311.99	5	0.26	0.02	0.00	4	0.25	0.02	0.00
Method Group 311.XX PCT			7	0.26	0.04	0.02	6	0.27	0.03	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	4	0.063	0.003	0.001	4	0.063	0.003	0.001
Acid Soluble Zinc, ICP .....		321.30	20	0.063	0.007	0.002	18	0.063	0.007	0.001
Acid Soluble Zinc, Other .....		321.99	2	0.061	0.005	0.001	2	0.061	0.005	0.001
Method Group 321.XX PCT			26	0.063	0.007	0.001	24	0.063	0.006	0.001

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.99 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Other</u>					
470	10.95	.92	027	10.34	-.85	455	11.25	1.54	360	11.01	.51	493	11.10	1.12
090	10.76	.50	498	10.25	-.98	474	11.02	.24	177	11.00	.46	420	11.07	1.08
444	10.66	.42	504	9.65	-2.17	371	11.00	.16	049	10.98	.37	506	11.05	.76
416	10.70	.37	Meth: 002.99 PCT			105	10.98	.11	105	10.97	.37	Avg	10.97	
Avg	10.54		Nitrate Nitrogen			Avg	10.98		136	10.92	.32	501	10.92	-.58
456	10.52	-.20	<u>Other</u>			470	10.96	-.14	247	10.95	.20	489	10.85	-1.02
504	9.65	-2.01	498	0.55	-.71	211	10.67	-1.73	451	10.92	.18	498	10.85	-1.06
									Avg	10.91		487	10.90 R	-3.29
									233	10.90	-.12			
Meth: 001.99 PCT			Meth: 009.10 PCT			Meth: 010.12 PCT			234	10.85	-.35	Meth: 010.XX PCT		
Ammoniacal Nitrogen			Ammon & Nitrate N			Total Nitrogen			292	10.85	-.40	<u>Total Nitrogen</u>		
<u>Other</u>			<u>Devarda</u>			<u>Salicylic</u>			007	10.85	-.42	500	18.10 s	39.66
500	16.88 s	12.13	444	11.10	.78	185	10.91	.40	043	10.83	-.43	102	11.07 R	2.05
503	11.91	1.92	258	11.08	.77	Avg	10.88		157	10.80	-.59	351	11.26	1.88
393	11.07	.19	090	10.98	.27	504	10.87	-.24	023	10.89	-.59	455	11.25	1.83
506	11.05	.19	504	10.93	.10	481	10.85	-1.51	483	10.79	-.71	325	11.20	1.53
371	11.01	.08	Avg	10.92		Meth: 010.60 PCT			377	10.78	-.71	230	11.20 X	1.53
Avg	10.97		497	10.50	-1.79	Total Nitrogen			086	10.78	-.72	472	10.93 R	1.33
169	10.91	-.14	Meth: 009.99 PCT			<u>Combustion</u>			389	10.79	-.74	018	11.15	1.28
420	10.62	-.72	Ammon & Nitrate N			102	11.07 R	1.96	356	10.85	-.79	420	11.14	1.24
027	10.34 R	-1.34	<u>Other</u>			351	11.26	1.83	406	10.75	-.85	486	11.14	1.20
498	10.25	-1.48	393	11.07	.83	325	11.20	1.50	508	10.75 X	-.86	354	11.13	1.16
Meth: 001.XX PCT			Avg	10.96		230	11.20 X	1.50	131	10.74	-.90	055	11.13	1.15
<u>Ammoniacal Nitrogen</u>			498	10.85	-.90	018	11.15	1.27	443	10.76	-.93	493	11.10	1.01
500	16.88 s	12.20	Meth: 009.XX PCT			472	10.93 R	1.26	324	10.75	-1.15	420	11.07	.94
503	11.91	2.31	Ammon & Nitrate N			420	11.14	1.23	040	10.80 R	-1.20	482	10.95	.84
393	11.07	.65	444	11.10	.84	486	11.14	1.19	095	10.70 R	-1.56	231	11.07	.81
506	11.05	.62	258	11.08	.83	354	11.13	1.15	073	10.62	-1.58	506	11.05	.75
371	11.01	.53	393	11.07	.66	055	11.13	1.14	402	10.58	-1.90	029	11.05	.70
470	10.95	.41	090	10.98	.25	231	11.07	.83	042	10.55	-1.93	035	11.04	.62
169	10.91	.33	504	10.93	.10	482	10.95	.81	307	10.46	-2.36	291	11.04	.62
090	10.76	.04	Avg	10.93		029	11.05	.72	034	10.21 s	-3.83	025	11.02	.58
Avg	10.74		498	10.85	-.44	291	11.04	.64	Meth: 010.99 PCT			474	11.02	.54
416	10.70	-.10	497	10.50	-2.10	035	11.04	.64	Total Nitrogen			368	11.02 X	.53
420	10.62	-.25				025	11.02	.60	<u>Other</u>			405	11.01	.48
444	10.66	-.32				368	11.02 X	.55				360	11.01	.48
456	10.52	-.48				405	11.01	.51				500	18.10 s	57.71
												371	11.00	.44

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.40 PCT			Meth: 020.XX PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
177	11.00	.42	487	10.90 R	-2.21	<u>Automated</u>			483	56.95 s	11.10	456	51.81 R	-1.11
049	10.98	.35	307	10.46	-2.56	470	52.49	1.55	307	53.00 R	2.34	117	51.65	-1.27
105	10.97	.34	034	10.21 s	-4.11	042	52.22	.31	324	52.90	1.75	292	51.58	-1.38
105	10.98	.33				035	52.22	.14	211	52.88	1.64	258	51.69 R	-1.39
470	10.96	.18	Meth: 020.10 PCT			Avg	52.19		506	52.85	1.58	455	51.46	-1.66
247	10.95	.15	Total Phosphate			247	52.05	-.77	393	52.80	1.45	451	51.42	-1.79
Avg	10.92		<u>Grav Quimociac</u>			105	52.01	-1.18	487	52.70	1.25	025	50.99	-2.75
185	10.91	-.09	211	52.88	1.56	456	51.81 R	-2.63	406	52.65	1.11	482	50.55 A	-3.79
233	10.90	-.18	493	52.48	.31				368	52.55 X	.87	501	50.26 s	-4.68
451	10.92	-.20	090	52.41	.16	Meth: 020.50 PCT			504	52.48	.73	389	49.50 s	-6.24
501	10.92	-.25	470	52.42	.11	Total Phosphate			470	52.49	.72	498	49.50 s	-6.33
504	10.87	-.31	Avg	52.38		<u>ICP</u>			493	52.48	.70	500	45.61 s	-15.27
136	10.92	-.33	322	52.25	-.40	483	56.95 s	7.43	291	52.47	.68			
234	10.85	-.43	105	52.20 R	-.80	307	53.00 R	1.83	497	52.38	.65	Meth: 030.20 PCT		
489	10.85	-.43	157	51.85	-1.66	393	52.80	1.32	470	52.42	.56	Insoluble Phosphate		
292	10.85	-.47				368	52.55 X	.95	090	52.41	.56	<u>Spectrometric</u>		
498	10.85	-.49	Meth: 020.20 PCT			291	52.47	.83	105	52.20	.41	405	0.02	.00
007	10.85	-.49	Total Phosphate			247	52.30	.59	247	52.30	.29			
043	10.83	-.52	<u>Spectrometric</u>			402	52.14	.46	169	52.29 X	.27	Meth: 030.50 PCT		
023	10.89	-.64	324	52.90	1.83	234	52.12	.44	322	52.25	.18	Insoluble Phosphate		
157	10.80	-.68	506	52.85	1.63	Avg	51.90		042	52.22	.16	<u>ICP</u>		
483	10.79	-.80	406	52.65	1.11	474	51.83	-.11	420	52.22	.16	247	0.05	.00
377	10.78	-.81	504	52.48	.70	508	51.77 X	-.20	231	52.22	.12			
086	10.78	-.82	497	52.38	.64	451	51.42	-.74	035	52.22	.10	Meth: 030.XX PCT		
481	10.85	-.82	169	52.29 X	.18	025	50.99	-1.34	Avg	52.17		<u>Insoluble Phosphate</u>		
389	10.79	-.83	231	52.22	.01	482	50.55	-2.00	247	52.05	-.29	247	0.05	.87
356	10.85	-.86	Avg	52.22		501	50.26 S	-2.58	503	52.03	-.35	Avg	0.04	
406	10.75	-.96	420	52.22	-.13	389	49.50 S	-3.55	481	52.17	-.44	405	0.02	-.87
508	10.75 X	-.97	481	52.17	-.51				105	52.01	-.48			
131	10.74	-1.01	503	52.03	-.51	Meth: 020.99 PCT			234	52.12	-.48	Meth: 040.20 PCT		
443	10.76	-1.04	416	51.97	-.66	Total Phosphate			416	51.97	-.48	InDir Available Phos		
324	10.75	-1.27	405	51.89	-.88	<u>Other</u>			402	52.14	-.49	<u>Spectrometri</u>		
040	10.80 R	-1.30	356	51.86	-.95	487	52.70	1.26	405	51.89	-.68	405	51.87	.71
211	10.67	-1.40	371	51.87	-.96	Avg	51.94		356	51.86	-.74			
095	10.70 R	-1.69	258	51.69 R	-1.65	117	51.65	-.53	371	51.87	-.75	Meth: 040.40 PCT		
073	10.62	-1.73	292	51.58	-1.66	455	51.46	-.79	157	51.85	-.76	InDir Available Phos		
402	10.58	-2.06				498	49.50 S	-4.09	474	51.83	-.80	<u>Automated</u>		
042	10.55	-2.10				500	45.61 S	-10.39	508	51.77 X	-.95	247	52.00	.71

\* 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: 040.50 PCT			Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 048.10 PCT			Meth: 050.50 PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>Grav Quimociac</u>			<u>ICP (Oxalate)</u>		
247	52.25	.00	325	56.75 s	5.92	325	56.75 s	7.75	444	45.46	.71	292	0.30	-.75
			354	53.62	1.27	034	53.54	1.93						
			486	53.51	1.14	486	53.51	1.91	Meth: 048.20 PCT			Meth: 050.51 PCT		
<u>InDir Available Phos</u>			377 53.35 .94			095 53.22 R 1.75			Water Soluble Phosph			Soluble Potash		
247	52.25	1.18	Avg 52.60			377 53.35 1.66			<u>Spectrometric</u>			<u>ICP (Citrate)</u>		
Avg	52.04		368	52.56 X	-.06	027	52.83	.85	420	48.01	1.25	389	0.34	.71
247	52.00	-.23	393	52.28	-.40	029	52.72	.79	504	47.32	.28			
405	51.87	-1.03	360	52.21	-.51	018	52.60	.68	Avg 47.11			Meth: 050.60 PCT		
			043	52.02	-.71	368	52.56 X	.45	247	47.01	-.16	Soluble Potash		
Meth: 041.10 PCT			055	51.24	-1.67	493	52.55	.44	405	46.13	-1.35	<u>Flame (Oxalate)</u>		
<u>Dir Available Phosph</u>			023	51.12 R	-1.98	485	52.52	.39				105	0.40	-.71
<u>Grav Quimociac</u>			007	49.65 S	-3.68	231	52.27	.14	Meth: 048.50 PCT			Meth: 050.61 PCT		
493	52.55	1.17	Meth: 041.60 PCT			105	52.33	.12	Water Soluble Phosph			Soluble Potash		
485	52.52	1.11	<u>Dir Available Phosph</u>			393	52.28	.03	<u>ICP</u>			<u>Flame (Citrate)</u>		
105	52.23 R	.60	<u>EDTA Extract</u>			Avg	52.27		393	45.56	.71	018 0.53 S 12.42		
177	52.22	.49	034	53.54	2.02	105	52.22	-.07	Meth: 048.XX PCT			105 0.35 .71		
040	52.15	.36	029	52.72	.78	351	52.22	-.14	<u>Water Soluble Phosph</u>			Avg 0.35		
049	52.13	.29	018	52.60	.67	040	52.15	-.19	420	48.01	1.47	Meth: 050.99 PCT		
Avg	51.98		105	52.33	.06	049	52.13	-.21	504	47.32	.75	Soluble Potash		
185	51.71	-.56	Avg	52.33		360	52.21	-.24	247	47.01	.43	<u>Other</u>		
055	51.39	-1.23	231	52.27	-.18	105	52.23	-.26	Avg 46.58			503 0.45 1.69		
102	51.20	-1.61	351	52.22	-.23	136	52.03	-.36	405	46.13	-.46	Avg 0.35		
Meth: 041.20 PCT			136	52.03	-.50	043	52.02	-.37	393	45.56	-1.04	504 0.35 -.08		
<u>Dir Available Phosph</u>			043	51.85	-.80	043	51.85	-.63	444	45.46	-1.14	474 0.34 -.26		
<u>Spectrometric</u>			177	51.40	-1.55	185	51.71	-.84				482 0.35 -.32		
504	51.63	.71	472	49.94 s	-4.20	504	51.63	-.98	Meth: 050.30 PCT			325 0.35 -.92		
						131	51.43	-1.28	Soluble Potash			105 0.30 -1.26		
Meth: 041.40 PCT			Meth: 041.99 PCT			177	51.40	-1.31	<u>AA (Oxalate)</u>			Meth: 050.XX PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			055	51.39	-1.33	185 0.21 -.71			<u>Soluble Potash</u>		
<u>Automated</u>			<u>Other</u>			055	51.24	-1.55	Meth: 050.50 PCT			<u>Soluble Potash</u>		
095	53.22	1.04	105	52.22	.71	102	51.20	-1.62	Soluble Potash			018 0.53 s 3.30		
027	52.83	.36	Avg	52.22		023	51.12 R	-1.99	<u>ICP (Oxalate)</u>			503 0.45 1.92		
Avg	52.49		230	10.30 S	1482.10	472	49.94 s	-3.73	354	0.35	1.29	105 0.40 1.14		
131	51.43	-1.14				007	49.65 s	-4.05	Avg 0.32			325 0.35 R .90		
						230	10.30 s	-63.64	420 0.31 -.53			482 0.35 .31		

\* 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
<u>Meth: 050.XX PCT</u>			<u>Meth: 101.00 PCT</u>			<u>Meth: 101.XX PCT</u>			<u>Meth: 121.XX PCT</u>			<u>Meth: 144.99 PCT</u>		
<u>Soluble Potash</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>		
105	0.35	.31	AA			354	0.21	-1.60	501	1.42	.30	<u>Other</u>		
504	0.35	.26	504	0.44	.87	105	1.41	1.15	105	1.41	.27	472	1.65	.16
354	0.35	.18	Avg	0.33		Avg	1.41		307	1.39	.25	Avg	1.65	
474	0.34	.09	105	0.23	-.87	<u>Meth: 121.00 PCT</u>			504	1.41	.16	501	1.57	-.73
389	0.34	.09	<u>ICP</u>			<u>Acid Soluble Magnesi</u>			247	1.40	.08	035	1.55	-.93
Avg	0.34		041	0.38 s	2.56	105	1.41	1.15	Avg	1.39		009	1.45	-1.85
420	0.31	-.52	503	0.36 R	2.05	Avg	1.41		482	1.37	-.12	354	1.41 R	-2.42
292	0.30	-.61	389	0.36	1.58	504	1.41	-.42	035	1.37	-.14	<u>Meth: 144.XX PCT</u>		
105	0.30	-.92	247	0.33	.80	<u>Meth: 121.30 PCT</u>			389	1.37	-.16	<u>Sulfur</u>		
185	0.21	-2.17	472	0.31	.61	<u>Acid Soluble Magnesi</u>			102	1.32	-.53	503	2.42 s	4.98
<u>Meth: 060.00 PCT</u>			035	0.31	.34	<u>ICP</u>			474	1.29	-.74	292	1.92	1.45
<u>Free Water</u>			482	0.31	.29	483	1.64	1.83	420	1.26	-.97	504	1.90	1.28
<u>Vacuum Oven</u>			102	0.30	.19	472	1.64	1.82	503	1.24	-1.17	102	1.88	1.18
503	3.20	1.87	Avg	0.30		041	1.50 X	.84	009	1.15	-1.87	247	1.79	.50
Avg	2.30		420	0.29	-.04	307	1.39	.24	354	0.98 s	-3.21	474	1.77	.42
007	2.16	-.29	009	0.28	-.55	247	1.40	.11	<u>Meth: 144.01 PCT</u>			482	1.76	.38
247	2.12	-.37	474	0.27	-.66	Avg	1.38		<u>Sulfur</u>			483	1.75	.25
416	2.05	-.52	354	0.21	-2.24	482	1.37	-.07	<u>Gravimetric</u>			Avg	1.71	
456	1.96	-.73	<u>Meth: 101.XX PCT</u>			035	1.37	-.10	292	1.92	1.04	389	1.66	-.41
<u>Meth: 060.20 PCT</u>			<u>Acid Soluble Calcium</u>			389	1.37	-.11	Avg	1.90		102	1.65	-.46
<u>Free Water</u>			504	0.44	2.36	102	1.32	-.43	504	1.90	-.75	472	1.65	-.48
<u>Karl Fischer</u>			041	0.38 R	1.62	474	1.29	-.63	102	1.88	-.93	501	1.57	-1.03
504	1.18	.71	503	0.36 R	1.28	420	1.26	-.83	<u>Meth: 144.70 PCT</u>			035	1.55	-1.19
<u>Meth: 060.XX PCT</u>			389	0.36	.95	503	1.24	-1.02	<u>Sulfur</u>			009	1.45	-1.91
<u>Free Water</u>			247	0.33	.42	009	1.15	-1.65	<u>Spectrometric</u>			354	1.41 R	-2.33
503	3.20	1.56	472	0.31	.37	354	0.98 S	-2.86	474	1.77	.71	<u>Meth: 151.00 PPM</u>		
007	2.16	.05	035	0.31	.12	<u>Meth: 121.99 PCT</u>			<u>Meth: 144.99 PCT</u>			<u>Arsenic</u>		
Avg	2.14		482	0.31	.11	<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Atomic Absorption</u>		
247	2.12	-.03	Avg	0.30		<u>Other</u>			<u>Other</u>			136	2.15	.87
416	2.05	-.14	102	0.30	-.07	501	1.42	-.71	503	2.42 s	7.02	Avg	1.72	
456	1.96 R	-.31	420	0.29	-.12	<u>Meth: 121.XX PCT</u>			247	1.79	1.25	498	1.29	-.86
504	1.18	-1.42	009	0.28	-.47	<u>Acid Soluble Magnesi</u>			482	1.76	1.06	<u>Meth: 151.30 PPM</u>		
<u>Free Water</u>			474	0.27	-.55	<u>Other</u>			483	1.75	.94	<u>Arsenic</u>		
<u>Free Water</u>			105	0.23	-1.26	<u>Other</u>			389	1.66	.22	<u>ICP</u>		
<u>Free Water</u>			<u>Other</u>			<u>Other</u>			102	1.65	.16	<u>Free Water</u>		
<u>Free Water</u>			<u>Other</u>			<u>Other</u>			<u>Free Water</u>			<u>Free Water</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

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 151.30 PPM</u>			<u>Meth: 181.00 PPM</u>			<u>Meth: 181.XX PPM</u>			<u>Meth: 191.XX PPM</u>			<u>Meth: 202.XX PPM</u>		
<u>Arsenic</u>			<u>Cadmium</u>			<u>Cadmium</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>		
<u>ICP</u>			<u>Atomic Absorption</u>			393 35.13 -1.81			300 422.50 .64			506 4.80 1.97		
Avg	2.00		136	41.25	1.02	Meth: 190.00 PCT			368 421.00 X .59			503 4.17 R 1.58		
300	1.98	-.01	506	40.00	.17	Water Soluble Chlori			482 417.50 .47			095 3.50 .82		
368	1.95 X	-.07	Avg 39.75			<u>Titrimetric</u>			474 413.50 .34			247 3.40 .58		
393	0.02 X	-.85	487	38.00	-1.20	504 0.01 .71			230 406.00 X .16			393 3.30 .45		
095	0.00	-.86	Meth: 181.30 PPM			Meth: 191.00 PPM			Avg 403.29			474 3.00 .14		
<u>Meth: 151.XX PPM</u>			<u>Cadmium</u>			<u>Chromium</u>			393 387.00 -.54			Avg 2.86		
<u>Arsenic</u>			<u>ICP</u>			<u>Atomic Absorption</u>			009 375.00 -.95			102 2.82 -.05		
474	6.05	1.95	095	42.50	1.06	481 520.40 S 15.30			498 369.00 -1.21			300 2.55 -.32		
136	2.15	.11	102	42.08	.92	498 369.00 1.21			506 365.00 -1.27			482 2.10 -.77		
368	1.95 R	.07	300	41.65	.75	Avg 367.00			444 356.00 -1.61			035 1.91 -1.01		
300	1.98	.03	474	41.50	.72	506 365.00 -.20			027 192.09 s -7.01			368 1.25 X -1.64		
Avg	1.91		035	39.50 R	.68	Meth: 191.30 PPM			Meth: 202.00 PPM			Meth: 221.00 PCT		
498	1.29	-.30	482	41.30	.63	<u>Chromium</u>			Acid Soluble Cobalt			Acid Soluble Copper		
393	0.02 X	-.89	368	41.10 X	.57	<u>ICP</u>			AA			<u>Atomic Absorption</u>		
095	0.00	-.90	Avg	39.44		035 457.00 1.71			506 4.80 .00			506 0.0022 s 24.74		
<u>Meth: 165.99 PCT</u>			230	36.65 X	-.95	247 429.00 .69			Meth: 202.30 PPM			043 0.0004 1.15		
<u>Acid Soluble Boron</u>			444	36.52	-1.13	102 424.26 .61			Acid Soluble Cobalt			504 0.0002 .03		
<u>Other</u>			009	36.00	-1.17	300 422.50 .46			<u>ICP</u>			Avg 0.0002		
483	0.023	1.10	393	35.13	-1.47	368 421.00 X .40			095 3.50 R 1.48			487 0.0001 -1.08		
354	0.020 R	.77	Meth: 181.XX PPM			482 417.50 .28			247 3.40 1.21			Meth: 221.30 PCT		
482	0.020	.67	<u>Cadmium</u>			474 413.50 .14			393 3.30 1.04			Acid Soluble Copper		
389	0.019	.46	095	42.50	1.09	Avg 409.89			474 3.00 .63			<u>ICP</u>		
472	0.016	.30	102	42.08	.93	230 406.00 X -.20			102 2.82 .38			503 0.0077 R 18.05		
Avg	0.015		300	41.65	.74	393 387.00 -.83			300 2.55 .07			420 0.0055 R 12.72		
009	0.012	-.53	474	41.50	.71	009 375.00 -1.27			Avg 2.54			393 0.0012 2.26		
503	0.002	-1.81	482	41.30	.60	444 356.00 -1.98			482 2.10 -.60			433 0.0004 .21		
<u>Meth: 171.99 PCT</u>			136	41.25	.58	027 192.09 s -7.85			035 1.91 -.95			Avg 0.0003		
<u>Water Soluble Boron</u>			368	41.10 X	.53	Meth: 191.XX PPM			368 1.25 X -1.77			368 0.0002 X -.33		
<u>Other</u>			506	40.00	.09	<u>Chromium</u>			Meth: 202.99 PPM			389 0.0002 -.34		
247	0.004	.71	Avg	39.76		481 520.40 s 3.91			Acid Soluble Cobalt			474 0.0001 -.44		
			487	38.00	-.69	035 457.00 1.79			<u>Other</u>			095 0.0000 -.69		
			035	39.50 R	-.79	247 429.00 .85			503 4.17 -.71			354 0.0000 -.69		
			230	36.65 X	-1.22	102 424.26 .76								
			444	36.52 R	-1.41									
			009	36.00	-1.47									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 251.30 PPM			Meth: 261.XX PCT			Meth: 291.00 PPM		
<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Nickel</u>		
503	0.0077	2.58	ICP			ICP			307	0.011	.81	<u>Atomic Absorption</u>		
420	0.0055	1.69	474	1.29	-1.30	095	3.00	-.02	041	0.010 X	.57	498	31.25	-1.07
506	0.0022 R	.81	354	0.95 s	-9.92	474	1.75	-.62	482	0.010	.48	Meth: 291.30 PPM		
Avg	0.0013		Meth: 241.99 PCT			393	0.87 X	-1.05	105	0.009	.21	Nickel		
393	0.0012	-.05	<u>Acid Soluble Iron</u>			300	0.41	-1.28	035	0.009	.09	<u>ICP</u>		
433	0.0004	-.39	Other			Meth: 261.00 PCT			247	0.009	.07	444	49.70 R	1.94
043	0.0004	-.39	501	1.40	.71	<u>Acid Soluble Manganese</u>			Avg	0.009		247	48.90	1.31
504	0.0002	-.44	Meth: 241.XX PCT			AA			102	0.009	-.15	035	48.80	1.31
368	0.0002 X	-.47	<u>Acid Soluble Iron</u>			504	0.007	.00	389	0.009	-.24	095	48.00	1.10
389	0.0002	-.47	041	1.65 s	7.75	Meth: 261.11 PCT			474	0.008	-.42	300	46.85	.76
487	0.0001	-.49	483	1.52 s	4.28	<u>Acid Soluble Manganese</u>			009	0.008	-.70	102	45.29	.39
474	0.0001	-.49	482	1.41	1.61	AA			504	0.007	-1.21	Avg	43.99	
354	0.0000	-.53	501	1.40	1.51				354	0.007	-1.52	368	43.85 X	-.10
095	0.0000	-.53	389	1.38	1.14	Meth: 261.30 PCT			Meth: 289.30 PPM			474	42.00	-.53
Meth: 241.00 PCT			105	1.36	.91	<u>Acid Soluble Manganese</u>			Molybdenum			009	41.50	-.78
<u>Acid Soluble Iron</u>			472	1.38	.78	<u>ICP</u>			ICP			230	40.45 X	-.94
105	1.36	1.09	102	1.37	.65	503	0.013	1.84	035	18.20	1.47	482	39.40	-1.22
Avg	1.34		035	1.35	.60	420	0.012	1.50	300	17.85	1.20	393	38.90	-1.36
504	1.32	-.57	Avg	1.34		307	0.011	.72	095	17.50	1.01	Meth: 291.XX PPM		
Meth: 241.30 PCT			307	1.33	-.33	041	0.010 X	.47	247	16.90	.55	<u>Nickel</u>		
<u>Acid Soluble Iron</u>			247	1.32	-.55	482	0.010	.39	102	16.45	.25	444	49.70 R	1.68
ICP			420	1.32	-.58	035	0.009	.00	Avg	16.08		247	48.90	1.29
041	1.65 s	8.41	504	1.32	-.60	Avg	0.009		368	16.00 X	-.05	035	48.80	1.28
483	1.52 s	4.73	503	1.30	-.99	247	0.009	-.04	474	15.90	-.14	095	48.00	1.13
482	1.41	1.90	009	1.30	-1.03	102	0.009	-.23	393	15.55	-.38	300	46.85	.89
389	1.38 R	1.34	474	1.29	-1.40	389	0.009	-.28	433	14.77	-.88	136	45.60	.66
472	1.38	1.02	354	0.95 s	-9.52	474	0.008	-.50	230	14.25 X	-1.22	102	45.29	.61
102	1.37	.87	Meth: 251.30 PPM			009	0.008	-.78	009	13.50	-1.76	368	43.85 X	.33
035	1.35	.68	Lead			354	0.007	-1.58	Meth: 291.00 PPM			Avg	42.17	
Avg	1.34		ICP			472	0.007	-1.58	Nickel			474	42.00	-.03
307	1.33	-.19	481	20.95 s	8.71	Meth: 261.XX PCT			<u>Atomic Absorption</u>			009	41.50	-.31
247	1.32	-.40	009	6.10	1.49	<u>Acid Soluble Manganese</u>			136	45.60	1.49	230	40.45 X	-.33
420	1.32	-.43	482	4.65	.79				Avg	37.17		482	39.40	-.53
503	1.30	-.86	035	4.46	.72	503	0.013	1.96	506	36.50	-.12	393	38.90	-.63
009	1.30	-.91	Avg	3.03		420	0.012	1.61	481	35.34	-.35	506	36.50	-1.08
												481	35.34	-1.32

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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: 291.XX PPM</u>			<u>Meth: 311.XX PCT</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.XX PCT</u>					
<u>Nickel</u>			<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>					
498	31.25	-2.10	503	0.31	1.45	ICP			474	0.062	-.21			
			354	0.29	.86	292	0.060	-.50	481	0.060	-.53			
<u>Meth: 301.30 PPM</u>			<u>Avg</u>			<u>230</u>			<u>292</u>					
<u>Selenium</u>			<u>102</u>			<u>009</u>			<u>498</u>					
<u>ICP</u>			<u>474</u>			<u>393</u>			<u>230</u>					
393	0.39 X	.87	482	0.26	-.24	444	0.050	-2.01	009	0.055	-1.48			
Avg	0.20		009	0.22	-1.58	354	0.047 R	-2.61	393	0.054	-1.63			
095	0.00	-.87	035	0.19 R	-2.96	027	0.026 s	-5.60	444	0.050	-2.20			
<u>Meth: 301.99 PPM</u>			<u>Meth: 321.00 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>027</u>					
<u>Selenium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>0.026 s</u>					
<u>Other</u>			<u>Atomic Absorption</u>			<u>Other</u>								
485	0.01	.71	504	0.067	1.39	503	0.065	.87						
			Avg	0.063		Avg	0.061							
<u>Meth: 301.XX PPM</u>			<u>043</u>			<u>498</u>								
<u>Selenium</u>			<u>105</u>			<u>0.057</u>								
393	0.39 X	1.29	481	0.060	-1.13	<u>Meth: 321.XX PCT</u>								
Avg	0.13		<u>Meth: 321.30 PCT</u>			<u>Acid Soluble Zinc</u>								
485	0.01	-.63	<u>Acid Soluble Zinc</u>			<u>389</u>								
095	0.00	-.66	<u>ICP</u>			<u>041</u>								
<u>Meth: 311.30 PCT</u>			<u>389</u>			<u>483</u>								
<u>Sodium</u>			<u>041</u>			<u>420</u>								
<u>Flame Photometric</u>			<u>483</u>			<u>371</u>								
503	0.31	.71	<u>420</u>			<u>482</u>								
			<u>371</u>			<u>433</u>								
<u>Meth: 311.99 PCT</u>			<u>482</u>			<u>504</u>								
<u>Sodium</u>			<u>433</u>			<u>307</u>								
<u>Other</u>			<u>307</u>			<u>035</u>								
354	0.29 R	2.19	<u>035</u>			<u>247</u>								
102	0.26	.64	<u>247</u>			<u>503</u>								
474	0.26	.50	<u>368</u>			<u>368</u>								
482	0.26	.48	<u>472</u>			<u>472</u>								
Avg	0.25		<u>Avg</u>			<u>102</u>								
009	0.22	-1.62	<u>102</u>			<u>402</u>								
035	0.19 s	-3.90	<u>402</u>			<u>095</u>								
			<u>095</u>			<u>043</u>								
			<u>474</u>			<u>105</u>								

\* 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	0.00	1.03	0.16	144.01	3	0.00	0.96	0.47
001.99	9	1.20	4.22	0.11	144.99	11	0.44	2.45	0.37
001.XX	15	0.81	3.30	0.12	144.XX	14	0.17	1.75	0.34
009.10	5	0.00	1.01	0.29	151.00	2	0.00	1.22	0.08
009.99	2	0.00	1.16	0.28	151.30	5	0.00	1.06	0.03
009.XX	7	0.00	0.99	0.30	151.XX	7	0.00	0.96	0.03
010.11	6	0.00	1.04	0.13	165.99	7	0.085	0.976	0.217
010.12	3	0.00	0.35	0.87	165.XX	7	0.085	0.976	0.217
010.60	49	- 0.09	1.07	0.50	181.00	3	0.00	1.11	0.08
010.99	8	7.14	20.45	1.21	181.30	11	0.00	0.96	0.28
010.XX	64	0.52	5.08	0.56	181.XX	14	- 0.10	0.99	0.28
020.10	7	- 0.08	0.98	0.22	191.00	3	5.08	8.80	1.02
020.20	16	- 0.09	1.01	0.34	191.30	12	- 0.65	2.46	0.18
020.40	6	- 0.35	1.23	0.72	191.XX	15	- 0.21	2.32	0.21
020.50	15	0.21	2.48	0.36	202.30	9	0.15	1.05	0.28
020.99	5	- 2.88	4.61	0.39	202.XX	11	0.12	1.04	0.32
020.XX	46	- 0.55	3.32	0.43	221.00	4	4.5599	9.1614	8.3643
030.XX	2	0.00	1.22	0.00	221.30	9	3.4108	6.9584	0.4923
040.XX	2	- 0.24	1.01	0.57	221.XX	13	0.0271	0.9812	0.2124
041.10	9	0.06	0.98	0.14	241.00	2	0.00	0.70	0.71
041.40	3	0.00	1.00	0.41	241.30	14	0.28	3.83	0.88
041.50	11	- 0.03	2.23	0.97	241.XX	17	0.13	3.27	0.81
041.60	10	- 0.40	1.57	0.48	251.30	8	1.09	3.23	0.13
041.99	2	- 741.0	1048.0	0.50	251.XX	8	1.09	3.23	0.13
041.XX	31	- 2.00	11.59	0.78	261.30	13	0.000	1.001	0.191
048.20	4	0.00	1.07	0.15	261.XX	15	0.000	0.999	0.187
048.XX	6	0.00	1.04	0.10	289.30	11	0.00	1.00	0.20
050.50	3	0.00	1.11	0.08	289.XX	11	0.00	1.00	0.20
050.61	2	6.20	8.77	0.60	291.00	4	0.00	1.07	0.13
050.99	6	0.00	0.90	0.49	291.30	12	0.13	1.06	0.39
050.XX	12	0.26	1.32	0.37	291.XX	16	0.09	1.04	0.25
060.00	5	0.00	1.05	0.10	301.30	2	0.00	1.22	0.03
060.XX	6	- 0.04	0.95	0.06	301.XX	3	0.00	1.12	0.03
101.00	2	0.00	1.22	0.04	311.99	6	- 0.19	1.92	0.89
101.30	12	0.32	1.18	0.56	311.XX	7	- 0.38	1.37	0.54
101.XX	14	0.17	1.02	0.35	321.00	4	0.000	1.041	0.248
121.00	2	0.00	0.41	0.82	321.30	23	0.823	5.314	0.435
121.30	14	- 0.20	1.23	0.21	321.99	2	0.000	1.219	0.082
121.XX	17	- 0.19	1.24	0.22	321.XX	28	0.734	5.357	0.441