

- Pass 1 Results for 75 Labs - - Pass 2 Results for 74 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	2	0.58	0.08	0.02	2	0.58	0.08	0.02
Ammoniacal Nitrogen, Other .....		001.99	2	0.55	0.04	0.05	2	0.55	0.04	0.05
Method Group 001.XX PCT			4	0.56	0.06	0.04	4	0.56	0.06	0.04
Nitrate Nitrogen, Other .....		002.99	1	0.07	0.00	0.00	1	0.07	0.00	0.00
Water Insoluble Nitrogen, Meth I .....	945.01	003.10	4	4.79	0.83	0.09	4	4.79	0.83	0.09
Water Insoluble Nitrogen, Other .....		003.99	2	4.69	0.12	0.05	2	4.69	0.12	0.05
Method Group 003.XX PCT			6	4.75	0.66	0.08	6	4.75	0.66	0.08
Nitrogen From Urea, Urease (as N) .....	959.03	005.00	1	5.77	0.19	0.27	1	5.77	0.19	0.27
Nitrogen From Urea, Other .....		005.99	3	8.14	5.20	0.06	3	8.14	5.20	0.06
Method Group 005.XX PCT			4	7.54	4.53	0.12	4	7.54	4.53	0.12
Percent Urea, Urease (as Urea) .....	959.03	007.00	1	3.01	0.18	0.25	1	3.01	0.18	0.25
Percent Urea, Other .....		007.99	1	4.98	0.03	0.04	1	4.98	0.03	0.04
Method Group 007.XX PCT			2	3.99	1.14	0.15	2	3.99	1.14	0.15
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	21.66	0.36	0.18	7	21.66	0.36	0.18
Total Nitrogen, Salicylic .....	955.04D	010.12	3	21.66	0.17	0.09	3	21.66	0.17	0.09
Total Nitrogen, Raney .....	970.03	010.16	1	21.81	0.18	0.25	1	21.81	0.18	0.25
Total Nitrogen, Combustion .....		010.60	50	22.03	0.29	0.17	48	22.04	0.27	0.13
Total Nitrogen, Other .....		010.99	2	21.50	0.32	0.23	2	21.50	0.32	0.23
Method Group 010.XX PCT			64	21.95	0.34	0.19	61	21.95	0.32	0.14
Total Phosphate, Grav Quimociac .....	962.02	020.10	1	0.11	0.01	0.01	1	0.11	0.01	0.01
Total Phosphate, Spectrometric .....	958.01	020.20	3	0.14	0.11	0.01	3	0.14	0.11	0.01
Total Phosphate, Automated .....	978.01	020.40	1	0.34	0.03	0.04	1	0.34	0.03	0.04
Total Phosphate, ICP .....		020.50	1	0.24	0.01	0.02	1	0.24	0.01	0.02
Method Group 020.XX PCT			6	0.18	0.11	0.01	6	0.18	0.11	0.01
Insoluble Phosphate, Automated .....	978.01	030.40	1	0.17	0.08	0.11	1	0.17	0.08	0.11
InDir Available Phosphate, Automated ..	960.02	040.40	1	0.18	0.05	0.07	1	0.18	0.05	0.07
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	1	0.12	0.06	0.09	1	0.12	0.06	0.09
Dir Available Phosphate, ICP .....		041.50	2	0.13	0.05	0.05	2	0.13	0.05	0.05
Dir Available Phosphate, EDTA Extract .	993.01	041.60	1	0.28	0.00	0.00	1	0.28	0.00	0.00
Method Group 041.XX PCT			4	0.16	0.08	0.05	4	0.16	0.08	0.05
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	0.27	0.04	0.02	2	0.27	0.04	0.02
Soluble Potash, STPB Oxalate .....	958.02	050.00	13	17.31	0.50	0.11	12	17.32	0.52	0.08
Soluble Potash, STPB Citrate .....	969.04	050.10	2	18.05	0.53	0.06	2	18.05	0.53	0.06
Soluble Potash, AA (Oxalate) .....		050.30	6	17.48	0.74	0.18	6	17.48	0.74	0.18
Soluble Potash, AA (Citrate) .....		050.31	1	15.86	0.37	0.52	1	15.86	0.37	0.52
Soluble Potash, ICP (Oxalate) .....		050.50	9	17.39	0.62	0.18	9	17.39	0.62	0.18
Soluble Potash, ICP (Citrate) .....		050.51	10	17.07	0.54	0.17	10	17.07	0.54	0.17
Soluble Potash, Flame (Oxalate) .....	983.02(a)	050.60	4	16.85	0.40	0.19	4	16.85	0.40	0.19
Soluble Potash, Flame (Citrate) .....	983.02(b)	050.61	7	17.25	0.46	0.39	7	17.25	0.46	0.39

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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
Soluble Potash, Other		050.99	21	16.92	0.51	0.21	19	17.00	0.41	0.16
Method Group 050.XX PCT			73	17.16	0.60	0.20	69	17.16	0.54	0.18
Free Water, Vacuum Oven	965.08B	060.00	4	1.69	0.16	0.05	4	1.69	0.16	0.05
Acid Soluble Calcium, AA	945.04	101.00	1	0.25	0.01	0.01	1	0.25	0.01	0.01
Acid Soluble Calcium, ICP		101.30	14	0.31	0.06	0.01	13	0.31	0.06	0.01
Method Group 101.XX PCT			15	0.30	0.06	0.01	14	0.31	0.06	0.01
Acid Soluble Magnesium, AA	984.01	121.00	8	0.88	0.07	0.02	8	0.88	0.07	0.02
Acid Soluble Magnesium, ICP		121.30	34	0.86	0.06	0.01	32	0.86	0.06	0.01
Acid Soluble Magnesium, Other		121.99	2	0.83	0.04	0.01	2	0.83	0.04	0.01
Method Group 121.XX PCT			44	0.86	0.06	0.01	42	0.86	0.06	0.01
Water Soluble Magnesium, AA		131.00	2	0.75	0.03	0.05	2	0.75	0.03	0.05
Water Soluble Magnesium, ICP		131.30	8	0.67	0.09	0.02	8	0.67	0.09	0.02
Method Group 131.XX PCT			10	0.68	0.09	0.02	10	0.68	0.09	0.02
Sulfur, Gravimetric	980.02a	144.01	16	7.81	0.32	0.09	16	7.81	0.32	0.09
Sulfur, Gravimetric	980.02b	144.02	1	7.71	0.02	0.03	1	7.71	0.02	0.03
Sulfur, Spectrometric		144.70	2	7.39	0.87	0.02	2	7.39	0.87	0.02
Sulfur, Other		144.99	25	7.81	0.43	0.10	24	7.78	0.42	0.09
Method Group 144.XX PCT			44	7.79	0.42	0.09	42	7.77	0.42	0.08
Arsenic, ICP		151.30	7	0.83	0.27	0.08	6	0.86	0.27	0.05
Acid Soluble Boron, Other		165.99	2	0.007	0.008	0.000	2	0.007	0.008	0.000
Cadmium, ICP		181.30	9	0.40	0.52	0.02	8	0.39	0.56	0.01
Chromium, ICP		191.30	10	48.74	19.67	1.81	9	47.52	20.35	0.98
Acid Soluble Cobalt, ICP	965.11	202.30	11	6.65	2.91	0.52	10	6.58	2.97	0.15
Acid Soluble Copper, Atomic Absorption	975.01	221.00	4	0.0030	0.0005	0.0006	4	0.0030	0.0005	0.0006
Acid Soluble Copper, ICP		221.30	17	0.0027	0.0005	0.0001	15	0.0028	0.0005	0.0001
Method Group 221.XX PCT			21	0.0028	0.0005	0.0002	20	0.0028	0.0005	0.0001
Acid Soluble Iron, Atomic Absorption	980.01	241.00	7	1.54	0.16	0.06	7	1.54	0.16	0.06
Acid Soluble Iron, ICP		241.30	30	1.54	0.19	0.06	26	1.56	0.16	0.04
Acid Soluble Iron, Other		241.99	3	1.65	0.06	0.06	3	1.65	0.06	0.06
Method Group 241.XX PCT			40	1.55	0.18	0.06	36	1.56	0.16	0.04
Lead, Atomic Absorption		251.00	1	1.90	0.16	0.22	1	1.90	0.16	0.22
Lead, ICP		251.30	9	1.70	1.30	0.23	8	1.60	1.34	0.14
Method Group 251.XX PPM			10	1.72	1.24	0.23	9	1.63	1.26	0.15
Acid Soluble Manganese, AA	972.02a	261.00	5	0.702	0.039	0.011	5	0.702	0.039	0.011
Acid Soluble Manganese, AA	972.02b	261.11	3	0.693	0.016	0.009	3	0.693	0.016	0.009
Acid Soluble Manganese, ICP	972.02a	261.30	31	0.688	0.050	0.022	27	0.686	0.048	0.010
Acid Soluble Manganese, ICP	972.02b	261.31	1	0.712	0.011	0.016	1	0.712	0.011	0.016
Acid Soluble Manganese, Other		261.99	2	0.715	0.040	0.015	2	0.715	0.040	0.015
Method Group 261.XX PCT			42	0.692	0.046	0.019	36	0.698	0.034	0.009

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Water Soluble Manganese, ICP .....	972.03	271.30	5	0.605	0.085	0.021	5	0.605	0.085	0.021
Water Soluble Manganese, Other .....		271.99	1	0.679	0.009	0.013	1	0.679	0.009	0.013
Method Group 271.XX PCT			6	0.618	0.082	0.020	6	0.618	0.082	0.020
Molybdenum, ICP .....		289.30	12	3.84	1.17	0.34	12	3.84	1.17	0.34
Nickel, Atomic Absorption .....		291.00	1	17.29	1.34	1.90	1	17.29	1.34	1.90
Nickel, ICP .....		291.30	12	23.27	4.95	1.65	11	23.24	5.08	1.22
Method Group 291.XX PPM			13	22.81	5.02	1.67	12	22.74	5.15	1.27
Selenium, ICP .....		301.30	3	2.14	1.92	0.03	3	2.14	1.92	0.03
Sodium, Flame Photometric .....	974.01	311.30	1	0.16	0.00	0.00	1	0.16	0.00	0.00
Sodium, Other .....		311.99	5	0.18	0.03	0.02	5	0.18	0.03	0.02
Method Group 311.XX PCT			6	0.18	0.03	0.01	5	0.17	0.02	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	4	0.002	0.002	0.000	4	0.002	0.002	0.000
Acid Soluble Zinc, ICP .....		321.30	14	0.001	0.002	0.000	13	0.001	0.002	0.000
Method Group 321.XX PCT			18	0.002	0.002	0.000	16	0.001	0.001	0.000
Water Soluble Zinc, Other .....		325.99	1	0.001	0.000	0.000	1	0.001	0.000	0.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
<u>Meth: 001.10 PCT</u>			<u>Meth: 003.99 PCT</u>			<u>Meth: 007.00 PCT</u>			<u>Meth: 010.16 PCT</u>			<u>Meth: 010.60 PCT</u>				
Ammoniacal Nitrogen			Water Insoluble Nitr			Percent Urea			Total Nitrogen			Total Nitrogen				
<u>MgO Distillation</u>			<u>Other</u>			<u>Urease (as Urea)</u>			<u>Raney</u>			<u>Combustion</u>				
397	21.65 S	254.41	486	4.79	.82	300	3.01	.71	300	21.81	.71	275	22.00	-.18		
496	0.65	.86	Avg	4.69								247	22.02	-.19		
Avg	0.58		027	4.60	-.91	<u>Meth: 007.99 PCT</u>			<u>Meth: 010.60 PCT</u>			034	22.00	-.27		
444	0.51	-.87	<u>Meth: 003.XX PCT</u>			<u>Other</u>			<u>Combustion</u>			042	21.97	-.30		
<u>Meth: 001.99 PCT</u>			<u>Water Insoluble Nitr</u>			486	4.98	-.71	428	29.00 s	25.79	488	21.95	-.36		
Ammoniacal Nitrogen			494	5.89	1.72	<u>Meth: 007.XX PCT</u>			406	22.80	2.78	390	21.91	-.46		
<u>Other</u>			029	4.76	.06	<u>Percent Urea</u>			095	22.57	1.98	096	21.91	-.55		
096	0.58	1.01	090	4.79	.05	486	4.98	.86	351	22.51	1.76	029	21.87	-.65		
Avg	0.55		486	4.79	.05	Avg	3.99		443	22.20	.95	024	21.85	-.73		
420	0.53	-.69	Avg	4.75		300	3.01	-.87	292	22.28	.90	368	21.90	-.75		
<u>Meth: 001.XX PCT</u>			027	4.60	-.25	<u>Meth: 010.11 PCT</u>			105	22.28	.90	043	21.79	-.90		
Ammoniacal Nitrogen			230	3.71	-1.57	Total Nitrogen			307	22.12	.87	035	21.78	-.96		
397	21.65 s	337.60	<u>Meth: 005.00 PCT</u>			<u>Modified Comprehensi</u>			486	22.14	.83	451	21.76	-1.10		
496	0.65	1.34	Nitrogen From Urea			470	22.19	1.48	102	22.10	.77	073	21.69	-1.27		
096	0.58	.59	<u>Urease (as N)</u>			211	21.88	.61	483	22.08	.72	157	21.95 R	-1.32		
Avg	0.56		368	5.77	-.71	114	21.70	.54	485	22.23	.71	444	21.46	-2.13		
420	0.53	-.65	<u>Meth: 005.99 PCT</u>			450	22.15	.69	450	22.15	.69	234	21.41	-2.34		
444	0.51	-.96	Nitrogen From Urea			105	21.82	.49	177	22.20	.68	325	21.65 s	-2.46		
<u>Meth: 002.99 PCT</u>			<u>Other</u>			Avg	21.66		494	22.19	.64	230	22.00 R	-2.57		
Nitrate Nitrogen			474	21.58	-.38	<u>Meth: 010.12 PCT</u>			291	22.21	.62	402	21.33	-2.61		
<u>Other</u>			090	21.33	-.95	Total Nitrogen			040	22.05	.55	027	21.04 s	-5.20		
496	0.07	.71	309	21.14	-1.53	<u>Salicylic</u>			055	22.13	.51	<u>Meth: 010.99 PCT</u>				
<u>Meth: 003.10 PCT</u>			029	5.48	-.51	481			21.85	1.21	360	22.15	.43	Total Nitrogen		
Water Insoluble Nitr			230	4.12	-.77	496			20.36 S	-7.55	025	22.15	.42	<u>Other</u>		
<u>Meth I</u>			<u>Meth: 005.XX PCT</u>			481			21.85	1.21	023	22.14	.42	200	23.45 S	6.08
494	5.89	1.34	Nitrogen From Urea			496			20.36 S	-7.55	354	22.14	.39	420	21.74	.78
Avg	4.79		309	14.81	1.60	Avg			21.66		049	22.04	.37	Avg	21.50	
090	4.79	-.02	Avg	7.54		416			21.66	-.15	231	22.05	.23	487	21.25	-.95
029	4.76	-.06	368	5.77	-.39	185			21.49	-1.00	131	22.09	.21	<u>Meth: 010.XX PCT</u>		
230	3.71	-1.30	029	5.48	-.46	496			20.36 S	-7.55	324	22.05	.19	Total Nitrogen		
<u>Meth: 003.10 PCT</u>			230	4.12	-.76	136			22.05	.05	041	22.06 X	.14	428		
Water Insoluble Nitr			<u>Meth: 005.XX PCT</u>			Avg			22.04		233	22.07	.13	200		
<u>Meth I</u>			Nitrogen From Urea			007			22.00	-.13	136	22.05	.05	230		
494	5.89	1.34	Nitrogen From Urea			377			22.00	-.15	Avg	22.04		200		
Avg	4.79		Nitrogen From Urea								007	22.00	-.13	406		
090	4.79	-.02	Nitrogen From Urea								377	22.00	-.15	230		
029	4.76	-.06	Nitrogen From Urea											22.00 R		
230	3.71	-1.30	Nitrogen From Urea											2.19		

\* 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: 020.20 PCT			Meth: 041.10 PCT			Meth: 050.00 PCT										
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>										
095	22.57	1.94	211	21.88	-.23	<u>Spectrometric</u>			<u>Grav Quimociac</u>			<u>STPB Oxalate</u>										
351	22.51	1.75	096	21.91	-.28	Avg	0.14		105	0.12	.71	230	17.90	1.14								
292	22.28	1.02	029	21.87	-.31	496	0.00	-1.26	Meth: 041.50 PCT			055	17.76	.85								
105	22.28	1.02	024	21.85	-.39	Meth: 020.40 PCT			Dir Available Phosph			Avg	17.32									
443	22.20	.99	481	21.85	-.47	Total Phosphate			<u>ICP</u>			489	17.31	-.02								
485	22.23	.86	105	21.82	-.51	<u>Automated</u>			325			0.15	1.16	211	17.21	-.21						
307	22.12	.86	043	21.79	-.51	096	0.34	.71	Avg			0.13		416	17.11	-.41						
486	22.14	.85	368	21.90	-.52	Meth: 020.50 PCT			354			0.11	-.39	494	17.26 R	-.46						
177	22.20	.81	035	21.78	-.57	Total Phosphate			Meth: 041.60 PCT			049	17.14	-.46								
291	22.21	.79	300	21.81	-.60	<u>ICP</u>			Dir Available Phosph			231	17.06	-.51								
494	22.19	.78	420	21.74	-.68	390			16.40	S1142.71	470			16.88	-.84							
102	22.10	.77	451	21.76	-.71	474			0.24	.71	102			16.70	-1.19							
450	22.15	.77	073	21.69	-.82	Avg			0.24		497			16.56	-1.47							
470	22.19	.74	416	21.66	-.93	Meth: 020.XX PCT			494			0.42 S	.00	Meth: 050.10 PCT								
483	22.08	.71	114	21.70	-.99	Total Phosphate			Avg			0.28		Soluble Potash								
055	22.13	.63	157	21.95 R	-1.09	390			16.40	s 142.98	Meth: 041.XX PCT			<u>STPB Citrate</u>								
360	22.15	.62	474	21.58	-1.22	096			0.34	1.39	Dir Available Phosph			117	18.50	.86						
025	22.15	.61	185	21.49	-1.44	474			0.24	.50	494			0.42 s	5.95	Avg	18.05					
023	22.14	.59	444	21.46	-1.55	292			0.24	.45	024			0.28	1.42	444	17.59	-.87				
354	22.14	.58	234	21.41	-1.73	420			0.19	.04	Avg			0.16		Meth: 050.30 PCT						
040	22.05	.56	090	21.33	-1.95	Avg			0.18		354			0.11	-.62	Soluble Potash						
131	22.09	.43	325	21.65 R	-1.96	105			0.11	-.70	325			0.15	-.64	<u>AA (Oxalate)</u>						
049	22.04	.41	402	21.33	-1.96	496			0.00	-1.62	105			0.12	-.83	073			18.91	1.92		
233	22.07	.36	487	21.25	-2.26	Meth: 030.40 PCT			Meth: 048.20 PCT			Avg			17.48		185			17.70	.40	
231	22.05	.36	309	21.14	-2.58	Insoluble Phosphate			Water Soluble Phosph			136			17.47	-.06	234			16.97	-.70	
041	22.06 X	.35	027	21.04 s	-4.24	<u>Automated</u>			<u>Spectrometric</u>			234			16.97	-.70	040			16.95	-.72	
324	22.05	.34	496	20.36 s	-4.98	096			0.17	-.71	Avg			0.27		157			16.90	-.79		
136	22.05	.30	Meth: 020.10 PCT			Meth: 040.40 PCT			Meth: 050.00 PCT			096			0.23	-.87	Meth: 050.31 PCT					
247	22.02	.26	Total Phosphate			InDir Available Phos			Soluble Potash			Meth: 050.00 PCT			Soluble Potash							
034	22.00	.26	<u>Grav Quimociac</u>			<u>Automated</u>			<u>Automated</u>			STPB Oxalate			<u>AA (Citrate)</u>							
042	21.97	.16	105			0.11	-.71	096			0.18	.71	090			18.14	1.59	472			15.86	.71
377	22.00	.16	Meth: 020.20 PCT			096			0.18	.71	114			18.05	1.42							
275	22.00	.15	Total Phosphate																			
007	22.00	.15	<u>Spectrometric</u>																			
Avg	21.95		292			0.24	.86															
162	21.95	-.03	420			0.19	.41															
390	21.91	-.14																				
488	21.95	-.16																				

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.50 PCT			Meth: 050.61 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 060.00 PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Free Water		
<u>ICP (Oxalate)</u>			<u>Flame (Citrate)</u>									<u>Vacuum Oven</u>		
406	18.32	1.51	035	17.66	.98	117	18.50	2.47	416	17.11	-.11	497	7.23 s	34.27
324	17.95	.94	041	17.39	.90	406	18.32	2.15	450	17.11	-.11	096	1.91	1.37
444	17.94	.90	029	17.50	.60	090	18.14	1.81	322	17.08	-.15	007	1.72	.19
488	17.65	.43	024	17.40	.35	114	18.05	1.65	055	17.08	-.16	Avg	1.69	
157	17.40	.16	Avg	17.25		324	17.95	1.49	096	17.09	-.17	247	1.64	-.30
Avg	17.39		494	17.22	-.26	444	17.94	1.44	231	17.06	-.22	416	1.49	-1.22
055	17.08	-.50	105	17.20	-.38	230	17.90	1.38	233	17.04	-.22			
420	17.00	-.69	095	16.37	-2.01	023	17.80	1.19	049	17.14	-.30			
354	16.58	-1.30				055	17.76	1.10	042	17.15	-.33	Meth: 101.00 PCT		
292	16.55	-1.38	Meth: 050.99 PCT			185	17.70	1.06	234	16.97	-.37	Acid Soluble Calcium		
			Soluble Potash			035	17.66	.99	040	16.95	-.40	<u>AA</u>		
			<u>Other</u>			488	17.65	.91	420	17.00	-.46	496	0.25	.71
Meth: 050.51 PCT			177	17.46	1.11	483	17.59	.91	309	16.92	-.47			
Soluble Potash			275	17.37	1.10	041	17.39 R	.84	157	16.90	-.51	Meth: 101.30 PCT		
<u>ICP (Citrate)</u>			307	17.40	1.06	444	17.59	.80	351	17.00	-.51	Acid Soluble Calcium		
023	17.80	1.36	247	17.40	.96	029	17.50	.67	470	16.88	-.52	<u>ICP</u>		
483	17.59	1.06	360	17.30	.78	275	17.37	.62	470	16.86	-.56	483	0.43	1.99
007	17.40	.64	043	17.27	.75	136	17.47	.58	487	16.81	-.65	035	0.40	1.41
377	17.40	.61	027	17.31	.74	177	17.46	.56	451	16.79	-.69	354	0.35	.66
291	17.32	.47	042	17.15	.57	307	17.40	.56	368	16.77	-.74	096	0.35	.66
096	17.09	.11	105	17.23	.56	157	17.40	.48	300	16.71	-.83	420	0.35	.57
Avg	17.07		450	17.11	.26	007	17.40	.48	102	16.70	-.85	Avg	0.31	
233	17.04	-.07	322	17.08	.18	494	17.26	.46	474	16.70	-.87	027	0.30	-.22
043	16.44	-1.19	Avg	17.00		024	17.40	.46	354	16.58	-1.06	494	0.30	-.25
485	16.37	-1.30	309	16.92	-.27	377	17.40	.44	497	16.56	-1.12	247	0.29	-.37
486	16.25	-1.55	487	16.81	-.49	247	17.40	.44	292	16.55	-1.18	474	0.28	-.53
			451	16.79	-.54	043	17.27	.36	402	16.48	-1.27	102	0.28	-.53
Meth: 050.60 PCT			368	16.77	-.60	360	17.30	.34	025	16.60 R	-1.27	131	0.27	-.70
Soluble Potash			300	16.71	-.72	105	17.20	.32	043	16.44	-1.34	307	0.26	-.82
<u>Flame (Oxalate)</u>			474	16.70	-.79	291	17.32	.30	485	16.37	-1.46	041	0.26 R	-1.00
105	17.26	1.05	402	16.48	-1.30	489	17.31	.28	095	16.37	-1.56	472	0.20	-1.83
351	17.00	.67	025	16.60 R	-1.39	105	17.26	.28	200	16.29	-1.60			
470	16.86	.02	481	15.87	-2.79	027	17.31	.27	486	16.25	-1.70	Meth: 101.XX PCT		
Avg	16.85		325	15.55 A	-3.60	494	17.22	.24	481	15.87	-2.39	Acid Soluble Calcium		
200	16.29	-1.40	496	13.47 s	-8.66	105	17.23	.14	472	15.86	-2.44	483	0.43	2.06
						211	17.21	.09	325	15.55 A	-3.00	035	0.40	1.48
						Avg	17.16		496	13.47 s	-6.83	354	0.35	.74
												096	0.35	.73

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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.XX PCT			Meth: 121.30 PCT			Meth: 121.99 PCT			Meth: 121.XX PCT			Meth: 131.30 PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Water Soluble Magnes</u>		
420	0.35	.65	<u>ICP</u>			<u>Other</u>			368	0.84	-.32	<u>ICP</u>		
Avg	0.31		450	0.91	.80	042	1.20 S	8.82	114	0.86 R	-.43	444	0.51	-1.83
027	0.30	-.14	420	0.90	.79	117	0.87	.88	307	0.84	-.44	Meth: 131.XX PCT		
494	0.30	-.17	354	0.90	.66	Avg	0.83		055	0.84	-.45	<u>Water Soluble Magnes</u>		
247	0.29	-.29	472	0.88	.47	433	0.80	-.85	157	0.83	-.45	029	0.75	.79
474	0.28	-.45	090	0.89	.46	Meth: 121.XX PCT			485	0.84	-.48	309	0.74	.72
102	0.28	-.45	444	0.88	.40	<u>Acid Soluble Magnesi</u>			105	0.83	-.61	027	0.74	.63
131	0.27	-.62	494	0.88	.39	042	1.20 s	5.57	043	0.82	-.63	275	0.74	.63
307	0.26	-.74	390	0.87	.38	489	1.17 s	5.08	102	0.82	-.69	230	0.74	.60
041	0.26 R	-.93	096	0.87	.14	489	1.12 s	4.29	300	0.82	-.69	300	0.72	.35
496	0.25	-1.01	371	0.86	.11	496	1.02	2.66	049	0.81	-.81	231	0.72	.35
472	0.20	-1.75	Avg	0.86		483	0.98	1.87	095	0.81	-.87	Avg	0.68	
Meth: 121.00 PCT			023	0.85	-.07	200	0.97	1.71	231	0.81	-.92	486	0.66	-.31
<u>Acid Soluble Magnesi</u>			360	0.85	-.22	041	0.97 X	1.69	131	0.80	-1.02	368	0.55	-1.59
<u>AA</u>			247	0.85	-.25	027	0.94	1.35	433	0.80	-1.04	444	0.51	-2.08
496	1.02	1.99	368	0.84	-.28	291	0.93	1.04	230	0.77	-1.54	Meth: 144.01 PCT		
200	0.97	1.18	307	0.84	-.39	035	0.91	.87	474	0.75	-1.92	<u>Sulfur</u>		
Avg	0.88		055	0.84	-.41	324	0.91 R	.82	486	0.72	-2.33	<u>Gravimetric</u>		
177	0.87	-.15	157	0.83	-.41	136	0.91	.80	481	0.27 s	-9.72	055	8.29	1.49
029	0.87	-.26	114	0.86 R	-.43	450	0.91	.71	Meth: 131.00 PCT			485	8.18	1.22
040	0.85	-.49	300	0.82	-.66	420	0.90	.71	<u>Water Soluble Magnes</u>			095	8.13	1.03
485	0.84	-.67	102	0.82	-.66	354	0.90	.58	<u>AA</u>			043	8.02	.66
105	0.83	-.82	049	0.81	-.79	472	0.88	.39	029	0.75	.63	114	8.02	.65
043	0.82	-.84	095	0.81	-.85	090	0.89	.39	Avg	0.75		494	7.96	.55
481	0.27 s	-8.66	231	0.81	-.90	444	0.88	.34	309	0.74	-1.05	233	7.94	.43
Meth: 121.30 PCT			131	0.80	-1.00	390	0.87	.33	Meth: 131.30 PCT			324	7.88	.22
<u>Acid Soluble Magnesi</u>			230	0.77	-1.54	494	0.88	.32	<u>Water Soluble Magnes</u>			157	7.86	.20
<u>ICP</u>			474	0.75	-1.94	117	0.87	.20	<u>ICP</u>			397	7.82	.08
489	1.12 s	4.51	486	0.72	-2.37	177	0.87	.18	027	0.74	.78	Avg	7.81	
483	0.98	2.01	Meth: 121.70 PCT			029	0.87	.10	275	0.74	.78	102	7.77	-.11
041	0.97 X	1.82	<u>Acid Soluble Magnesi</u>			096	0.87	.10	230	0.74	.74	105	7.56	-.86
027	0.94	1.46	<u>Titrimetric</u>			Avg	0.86		231	0.72	.50	231	7.53	-.87
291	0.93	1.14	489	1.17 S	.00	371	0.86	-.10	300	0.72	.50	444	7.48	-1.00
035	0.91	.96				023	0.85	-.12	Avg	0.67		481	7.44	-1.15
324	0.91 R	.90				040	0.85	-.26	486	0.66	-.16	200	7.05	-2.34
136	0.91	.89				360	0.85	-.26	368	0.55	-1.36	230	6.25 s	-4.84
						247	0.85	-.29						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 144.02 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT			Meth: 181.30 PPM			Meth: 202.30 PPM		
Sulfur			Sulfur			Sulfur			Cadmium			Acid Soluble Cobalt		
<u>Gravimetric</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
292	7.71	.71	354	6.67	-2.67	275	7.60	-.43	230	1.34	1.69	368	5.49	-.37
			035	4.81 s	-7.12	368	7.62	-.44	481	1.31	1.64	102	4.71	-.63
						231	7.53	-.59	041	0.43 R	.11	486	3.19	-1.14
Meth: 144.70 PCT			Meth: 144.XX PCT			307 7.51 -.63			Avg 0.39			474 1.00 -1.88		
Sulfur			Sulfur			444 7.48 -.69			368 0.21 -.33					
<u>Spectrometric</u>			131 8.48 R 1.77			481 7.44 -.81			247 0.10 -.53			Meth: 221.00 PCT		
474	8.14	.87	483 8.36 1.41			157 7.39 -.92			450 0.10 -.53			Acid Soluble Copper		
Avg	7.39		055 8.29 1.25			300 7.17 -1.44			102 0.07 -.59			<u>Atomic Absorption</u>		
496	6.64	-.87	444 8.27 1.20			200 7.05 -1.73			486 0.03 -.65			496 0.0031 1.74		
			247 8.25 1.16			486 6.90 -2.10			095 0.00 0.00			043 0.0031 .31		
Meth: 144.99 PCT			485 8.18 1.04			354 6.67 -2.66			Meth: 191.30 PPM			Avg 0.0030		
Sulfur			474 8.14 .89			496 6.64 -2.73			Chromium			481 0.0030 -.02		
<u>Other</u>			095 8.13 .88			230 6.25 s -3.68			<u>ICP</u>			105 0.0029 -.61		
131	8.48 R	1.73	351 8.11 .84			035 4.81 s -7.14			096 77.85 1.49			Meth: 221.30 PCT		
483	8.36	1.37	049 8.12 .83						450 63.00 .76			Acid Soluble Copper		
444	8.27	1.17	291 8.08 .75			Meth: 151.30 PPM			041 59.75 R .64			<u>ICP</u>		
247	8.25	1.12	102 8.05 .71			Arsenic			230 58.95 .56			433 0.0049 s 4.54		
351	8.11	.81	043 8.02 .60			<u>ICP</u>			444 50.94 .17			049 0.0036 1.67		
049	8.12	.80	027 8.00 .59			096 1.15 1.09			035 48.15 .03			035 0.0031 .67		
291	8.08	.71	114 8.02 .59			368 1.08 .82			Avg 47.52			027 0.0030 .45		
102	8.05	.68	494 7.96 .51			474 1.00 .53			368 47.20 -.06			102 0.0030 .45		
027	8.00	.56	117 7.96 .46			450 0.90 .16			102 46.24 -.06			354 0.0030 .45		
117	7.96	.43	472 7.95 .43			Avg 0.86			486 32.37 -.75			041 0.0030 X .45		
472	7.95	.40	233 7.94 .42			102 0.66 R -.89			474 3.00 -2.19			096 0.0030 .39		
390	7.82	.38	390 7.82 R .39			486 0.53 -1.22						494 0.0029 .38		
177	7.93	.35	177 7.93 .38			095 0.49 -1.36						230 0.0030 .38		
360	7.92	.32	360 7.92 .35									444 0.0028 .01		
023	7.91	.31	023 7.91 .34									Avg 0.0028		
450	7.82	.09	324 7.88 .26									247 0.0028 -.12		
Avg	7.78		157 7.86 .23									450 0.0026 -.47		
096	7.76	-.11	397 7.82 .12									095 0.0027 R -.49		
025	7.65	-.33	450 7.82 .11									368 0.0025 -.78		
368	7.62	-.46	102 7.77 .03									486 0.0024 -.98		
275	7.60	-.46	Avg 7.77									131 0.0019 R -2.03		
307	7.51	-.65	096 7.76 -.09									300 0.0015 -2.86		
157	7.39	-.95	292 7.71 -.16									474 0.0012 s -3.52		
300	7.17	-1.46	025 7.65 -.31											
486	6.90	-2.11												

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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: 241.99 PCT			Meth: 241.XX PCT			Meth: 251.XX PPM		
<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>		
433	0.0049 s	4.53	ICP			433	1.50	-.40	096	4.60	2.35	096	4.60	2.35
496	0.0031 R	1.95	096	2.32 S	4.75	117	1.71	1.26	291	1.48	-.58	095	2.50 R	.80
049	0.0036	1.69	055	1.81	1.53	Avg	1.65		230	1.46	-.68	041	2.07 X	.39
043	0.0031	.81	483	1.78	1.35	042	1.63	-.39	397	1.45 X	-.75	481	1.90	.23
035	0.0031	.71	041	1.74 X	1.13	234	1.62	-.87	496	1.41	-1.03	230	1.73	.10
105	0.0029	.57	494	1.68 R	1.01	Meth: 241.XX PCT			231	1.42	-1.09	Avg	1.63	
027	0.0030	.49	136	1.71	.90	<u>Acid Soluble Iron</u>			247	1.37	-1.25	486	1.58	-.05
354	0.0030	.49	486	1.70	.87	096	2.32 s	4.86	450	1.43 R	-1.50	102	1.29	-.29
041	0.0030 X	.49	360	1.69	.81	055	1.81	1.55	177	1.26	-1.96	474	1.00	-.50
481	0.0030	.49	027	1.67	.76	483	1.78	1.36	102	1.25	-2.06	450	0.40	-.97
102	0.0030	.49	035	1.59 R	.66	041	1.74 X	1.13	472	1.12	-2.89	247	0.10	-1.21
096	0.0030	.43	390	1.67	.65	494	1.68 R	1.02	420	0.99 A	-3.68	Meth: 261.00 PCT		
230	0.0030	.42	324	1.65	.64	117	1.71	.99	307	0.70 s	-5.56	Acid Soluble Manganese		
494	0.0029	.40	371	1.63	.45	029	1.72	.98	300	0.22 s	-8.67	<u>AA</u>		
444	0.0028	.05	157	1.62	.44	485	1.71	.92	474	0.11 s	-9.35	485	0.748	1.21
Avg	0.0028		095	1.62	.34	136	1.71	.90	Meth: 251.00 PPM			029	0.738	.94
247	0.0028	-.09	354	1.61	.34	486	1.70	.87	Lead			Avg	0.702	
450	0.0026	-.43	444	1.57	.22	360	1.69	.81	<u>Atomic Absorption</u>			043	0.693	-.26
095	0.0027	-.47	Avg	1.56		027	1.67	.76	481	1.90	.71	177	0.683	-.52
368	0.0025	-.73	368	1.56	-.14	035	1.59 R	.67	Meth: 251.30 PPM			481	0.650	-1.35
486	0.0024	-.93	114	1.53	-.22	390	1.67	.65	Lead			Meth: 261.11 PCT		
131	0.0019	-1.96	023	1.52	-.29	324	1.65	.63	<u>ICP</u>			Acid Soluble Manganese		
300	0.0015	-2.79	433	1.50	-.36	105	1.62	.48	096	4.60	2.24	<u>AA</u>		
474	0.0012 s	-3.44	131	1.51	-.36	234	1.62	.44	095	2.50 R	.77	496	0.713	1.27
Meth: 241.00 PCT			291	1.48	-.54	371	1.63	.44	041	2.07 X	.39	Avg	0.693	
Acid Soluble Iron			230	1.46	-.63	157	1.62	.43	230	1.73	.11	105	0.685	-.54
<u>Atomic Absorption</u>			397	1.45 X	-.70	042	1.63	.42	Avg	1.60		040	0.683	-.77
029	1.72	1.09	231	1.42	-1.04	095	1.62	.32	486	1.58	-.03	Meth: 261.30 PCT		
485	1.71	1.02	247	1.37	-1.19	354	1.61	.32	102	1.29	-.25	Acid Soluble Manganese		
105	1.62	.58	450	1.43 R	-1.44	043	1.57	.29	474	1.00	-.44	<u>ICP</u>		
043	1.57	.31	102	1.25	-1.98	444	1.57	.22	450	0.40	-.89	486	0.840 s	3.23
Avg	1.54		472	1.12	-2.78	Avg	1.56		247	0.10	-1.12	494	0.742 R	1.91
481	1.52	-.28	420	0.99 A	-3.55	368	1.56	-.15	Meth: 261.30 PCT			102	0.760	1.60
496	1.41	-.85	307	0.70 s	-5.38	114	1.53	-.25	Acid Soluble Manganese			055	0.760	1.55
177	1.26	-1.74	300	0.22 s	-8.40	023	1.52	-.32	<u>ICP</u>			035	0.728 R	1.28
			474	0.11 s	-9.06	481	1.52	-.39						
						131	1.51	-.40						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 261.30 PCT			Meth: 261.99 PCT			Meth: 261.XX PCT			Meth: 271.XX PCT			Meth: 291.30 PPM		
Acid Soluble Manganese			Acid Soluble Manganese			Acid Soluble Manganese			Water Soluble Mangan			Nickel		
<u>ICP</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
136	0.745	1.24	042	0.840 S	3.13	040	0.683	-.48	444	0.615	-.19	368	21.60	-.35
027	0.730	.93	483	0.749	.85	231	0.680	-.52	230	0.455	-2.02	102	20.96	-.45
090	0.725	.82	Avg	0.715		117	0.681	-.59	Meth: 289.30 PPM			049	18.76	-.89
390	0.722	.79	117	0.681	-.88	307	0.668	-.87	Molybdenum			486	12.31	-2.15
114	0.717	.65	Meth: 261.XX PCT			368	0.662	-1.05	<u>ICP</u>			474	3.00 S	-3.98
023	0.716	.62	<u>Acid Soluble Manganese</u>			049	0.660	-1.10	494	6.72 s	3.13	Meth: 291.XX PPM		
360	0.710	.50	042	0.840 s	4.22	481	0.650	-1.40	433	5.50	1.49	<u>Nickel</u>		
371	0.704	.45	486	0.840 s	4.19	444	0.650	-1.43	041	4.68 X	.81	096	31.70	1.74
096	0.702	.36	494	0.742 R	2.48	397	0.659 R	-1.55	450	4.65	.70	041	27.85 X	1.10
095	0.700	.29	102	0.760	1.92	300	0.645	-1.55	230	4.58	.64	444	27.47	.92
450	0.694	.18	055	0.760	1.83	433	0.640	-1.68	247	4.00	.37	035	23.60 R	.64
354	0.692	.12	035	0.728 R	1.58	291	0.640	-1.72	096	4.00	.14	450	25.00	.44
472	0.691	.10	483	0.749	1.51	230	0.663 R	-1.73	095	4.00	.14	095	23.50	.33
Avg	0.686		485	0.748	1.51	041	0.595 R	-3.18	Avg	3.84		247	23.50	.15
157	0.686	.00	136	0.745	1.40	474	0.550 A	-4.33	368	3.75	-.10	230	23.00	.08
420	0.683	-.07	029	0.738	1.20	Meth: 271.30 PCT			102	3.72	-.10	Avg	22.74	
231	0.680	-.13	027	0.730	.97	Water Soluble Mangan			035	3.75	-.39	368	21.60	-.26
307	0.668	-.38	090	0.725	.82	<u>ICP</u>			486	2.42	-1.22	102	20.96	-.35
368	0.662	-.51	390	0.722	.79	231	0.675	.82	474	1.00	-2.43	049	18.76	-.78
049	0.660	-.55	114	0.717	.57	486	0.665	.71	Meth: 291.00 PPM			481	17.29	-1.08
444	0.650	-.79	023	0.716	.52	444	0.615	.21	Nickel			486	12.31	-2.03
300	0.645	-.87	496	0.713	.50	368	0.617	.15	<u>Atomic Absorption</u>			474	3.00 s	-3.84
397	0.659 R	-.94	324	0.712	.48	Avg	0.605		481	17.29	.71	Meth: 301.30 PPM		
433	0.640	-.96	371	0.704	.40	230	0.455	-1.80	Meth: 291.30 PPM			Selenium		
291	0.640	-.99	360	0.710	.36	Meth: 271.99 PCT			Nickel			<u>ICP</u>		
230	0.663 R	-1.11	096	0.702	.22	Water Soluble Mangan			096	31.70	1.67	247	4.30	1.12
041	0.595 X	-2.05	095	0.700	.07	<u>Other</u>			041	27.85 X	1.03	Avg	2.14	
474	0.550	-2.85	Avg	0.698		027	0.679	-.71	444	27.47	.83	041	2.11 X	-.03
Meth: 261.31 PCT			043	0.693	-.16	Meth: 271.XX PCT			035	23.60 R	.63	095	0.00	-1.11
Acid Soluble Manganese			450	0.694	-.18	<u>Water Soluble Mangan</u>			095	23.50	.30	Meth: 311.30 PCT		
<u>ICP</u>			354	0.692	-.19	027	0.679	.75	450	25.00	.35	Sodium		
324	0.712	.71	472	0.691	-.20	231	0.675	.71	095	23.50	.30	<u>Flame Photometric</u>		
			157	0.686	-.34	486	0.665	.58	247	23.50	.05	494	0.16	.00
			105	0.685	-.39	Avg	0.618		Avg	23.24				
			420	0.683	-.43	368	0.617	-.04	230	23.00	-.08			
			177	0.683	-.46									

\* 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: 311.99 PCT			Meth: 321.30 PCT			Meth: 325.99 PCT								
<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Water Soluble Zinc</u>								
<u>Other</u>			<u>ICP</u>			<u>Other</u>								
496	0.21	1.20	494	0.001	-.32	450	0.001 X	.00						
354	0.21	1.15	486	0.001	-.37									
Avg	0.18		247	0.001	-.41									
035	0.17	-.65	450	0.001	-.44									
102	0.16	-.81	230	0.000	-.45									
474	0.16	-.81	095	0.000	-.51									
			444	0.000	-.55									
Meth: 311.XX PCT			474	0.000	-.55									
<u>Sodium</u>			292	0.000	-.73									
354	0.21	1.78	Meth: 321.XX PCT											
496	0.21 R	1.75	<u>Acid Soluble Zinc</u>											
Avg	0.17		433	0.012 s	9.30									
494	0.16	-.53	041	0.011 s	8.97									
474	0.16	-.58	096	0.007 A	4.88									
102	0.16	-.58	029	0.004	2.80									
035	0.17	-.62	131	0.004 R	2.55									
Meth: 321.00 PCT			354	0.003	1.72									
<u>Acid Soluble Zinc</u>			035	0.002	.97									
<u>Atomic Absorption</u>			043	0.002	.39									
029	0.004	1.56	Avg	0.001										
Avg	0.002		496	0.001	-.06									
043	0.002	-.19	102	0.001	-.06									
496	0.001	-.50	494	0.001	-.31									
105	0.000	-.88	486	0.001	-.40									
			247	0.001	-.47									
Meth: 321.30 PCT			450	0.001	-.51									
<u>Acid Soluble Zinc</u>			230	0.000	-.52									
<u>ICP</u>			105	0.000	-.60									
433	0.012 S	5.84	095	0.000	-.62									
041	0.011 s	5.63	444	0.000	-.68									
096	0.007	3.01	474	0.000	-.69									
131	0.004 R	1.53	292	0.000	-.95									
354	0.003	.99												
035	0.002	.51												
Avg	0.001													
102	0.001	-.16												

\* 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	3	84.80	146.89	0.14	131.00	2	0.00	0.27	0.84
001.99	2	0.00	0.83	0.63	131.30	8	0.00	1.03	0.12
001.XX	5	67.52	150.98	0.31	131.XX	10	0.00	1.01	0.17
003.10	4	0.00	1.08	0.07	144.01	17	- 0.28	1.52	0.21
003.99	2	0.00	1.16	0.28	144.70	2	0.00	1.22	0.01
003.XX	6	0.00	1.05	0.08	144.99	26	- 0.21	1.74	0.16
005.99	3	0.00	1.12	0.01	144.XX	43	- 0.21	1.57	0.24
005.XX	4	0.00	1.08	0.02	151.30	7	- 0.11	0.99	0.22
007.XX	2	0.00	1.22	0.08	151.XX	7	- 0.11	0.99	0.22
010.11	7	0.00	0.99	0.31	165.99	2	0.000	1.223	0.042
010.12	4	- 1.89	3.87	0.31	165.XX	2	0.000	1.223	0.042
010.60	53	0.38	3.67	0.92	181.30	9	0.01	0.97	0.04
010.99	3	2.03	3.59	0.34	181.XX	9	0.01	0.97	0.04
010.XX	67	0.26	2.98	0.72	191.30	10	0.06	0.99	0.08
020.20	3	0.00	1.12	0.04	191.XX	10	0.06	0.99	0.08
020.50	2	571.34	808.00	5.02	202.30	11	0.02	0.98	0.21
020.XX	7	20.43	54.05	0.34	202.XX	11	0.02	0.98	0.21
041.50	2	0.00	0.55	0.77	221.00	4	0.0000	0.2449	0.9111
041.60	2	0.00	0.00	0.00	221.30	19	- 0.061	1.6857	0.1822
041.XX	5	0.63	1.64	2.29	221.XX	23	0.0734	1.5252	0.4373
048.20	2	0.00	1.18	0.24	241.00	7	0.00	1.02	0.21
048.XX	2	0.00	1.18	0.24	241.30	34	- 0.63	2.63	0.30
050.00	13	- 0.01	0.97	0.17	241.99	3	0.00	0.82	0.62
050.10	2	0.00	1.22	0.08	241.XX	44	- 0.51	2.43	0.29
050.30	6	0.00	1.04	0.14	251.30	9	0.08	0.99	0.14
050.50	9	0.00	1.01	0.18	251.XX	10	0.07	0.99	0.15
050.51	10	0.00	1.00	0.21	261.00	5	0.000	1.045	0.165
050.60	4	0.00	1.02	0.32	261.11	3	0.000	1.039	0.336
050.61	7	0.00	0.90	0.48	261.30	32	0.132	1.108	0.422
050.99	22	- 0.60	2.15	0.37	261.99	3	1.031	1.974	0.331
050.XX	66	- 0.12	1.39	0.29	261.XX	44	0.024	1.538	0.521
060.00	5	6.85	15.35	0.23	271.30	5	0.000	1.046	0.160
060.XX	5	6.85	15.35	0.23	271.XX	6	0.000	1.035	0.155
101.30	14	- 0.06	1.00	0.18	289.30	13	0.19	1.17	0.58
101.XX	15	- 0.05	1.00	0.17	289.XX	13	0.19	1.17	0.58
121.00	9	- 0.96	3.04	0.13	291.30	13	- 0.30	1.44	0.24
121.30	35	0.15	1.22	0.20	291.XX	14	- 0.26	1.38	0.24
121.99	3	2.89	5.09	0.91	301.30	3	0.00	1.12	0.02
121.XX	47	0.02	2.02	0.24	301.XX	3	0.00	1.12	0.02

## Method Evaluation - Z Values Based on 1 Reports

<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>	<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>
311.99	5	0.00	0.94	0.44					
311.XX	6	0.24	1.08	0.48					
321.00	4	0.000	1.079	0.044					
321.30	16	0.773	2.102	0.546					
321.XX	20	1.237	2.995	0.764					