

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

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation	920.03	001.10	5	4.60	0.28	0.02	5	4.60	0.28	0.02
Ammoniacal Nitrogen, Other		001.99	7	5.05	0.84	0.06	7	5.05	0.84	0.06
Method Group 001.XX PCT			12	4.86	0.69	0.04	11	4.91	0.71	0.03
Nitrate Nitrogen, Other		002.99	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Water Insoluble Nitrogen, Meth I	945.01	003.10	4	3.59	1.06	0.24	4	3.59	1.06	0.24
Water Insoluble Nitrogen, Other		003.99	2	3.10	0.02	0.02	2	3.10	0.02	0.02
Method Group 003.XX PCT			6	3.43	0.88	0.17	5	3.49	0.94	0.07
Nitrogen From Urea, Urease (as N)	959.03	005.00	2	8.12	0.12	0.10	2	8.12	0.12	0.10
Nitrogen From Urea, Other		005.99	2	13.64	1.23	0.00	2	13.64	1.23	0.00
Method Group 005.XX PCT			4	10.88	3.06	0.05	4	10.88	3.06	0.05
Ammon & Nitrate N, Devarda	892.01	009.10	2	4.71	0.34	0.02	2	4.71	0.34	0.02
Total Nitrogen, Modified Comprehensive	978.02	010.11	8	22.43	0.24	0.16	7	22.43	0.21	0.08
Total Nitrogen, Salicylic	955.04D	010.12	2	22.42	0.11	0.07	2	22.42	0.11	0.07
Total Nitrogen, Combustion		010.60	48	22.77	0.18	0.12	45	22.75	0.14	0.10
Total Nitrogen, Other		010.99	2	22.17	0.18	0.06	2	22.17	0.18	0.06
Method Group 010.XX PCT			62	22.70	0.26	0.13	59	22.71	0.25	0.10
Total Phosphate, Grav Quimociac	962.02	020.10	2	1.29	0.19	0.03	2	1.29	0.19	0.03
Total Phosphate, Spectrometric	958.01	020.20	7	1.35	0.19	0.04	7	1.35	0.19	0.04
Total Phosphate, Automated	978.01	020.40	2	1.36	0.09	0.02	2	1.36	0.09	0.02
Total Phosphate, ICP		020.50	5	1.38	0.05	0.08	5	1.38	0.05	0.08
Total Phosphate, Other		020.99	1	1.39	0.01	0.02	1	1.39	0.01	0.02
Method Group 020.XX PCT			17	1.35	0.14	0.05	16	1.38	0.10	0.04
Insoluble Phosphate, ICP		030.50	1	0.02	0.00	0.00	1	0.02	0.00	0.00
InDir Available Phosphate, ICP		040.50	1	1.38	0.02	0.03	1	1.38	0.02	0.03
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	1	1.44	0.08	0.12	1	1.44	0.08	0.12
Dir Available Phosphate, ICP		041.50	6	1.37	0.08	0.04	6	1.37	0.08	0.04
Dir Available Phosphate, EDTA Extract	993.01	041.60	5	1.31	0.08	0.01	5	1.31	0.08	0.01
Dir Available Phosphate, Other		041.99	2	1.20	0.21	0.05	2	1.20	0.21	0.05
Method Group 041.XX PCT			14	1.33	0.12	0.04	13	1.35	0.08	0.03
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	0.64	0.01	0.02	1	0.64	0.01	0.02
Soluble Potash, STPB Oxalate	958.02	050.00	12	9.98	0.15	0.05	12	9.98	0.15	0.05
Soluble Potash, AA (Oxalate)		050.30	9	9.95	0.28	0.20	8	10.02	0.18	0.14
Soluble Potash, AA (Citrate)		050.31	2	9.73	0.37	0.07	2	9.73	0.37	0.07
Soluble Potash, ICP (Oxalate)		050.50	7	9.59	0.54	0.13	7	9.59	0.54	0.13
Soluble Potash, ICP (Citrate)		050.51	10	10.04	0.23	0.08	10	10.04	0.23	0.08
Soluble Potash, Flame (Oxalate)		050.60	7	9.89	0.28	0.09	7	9.89	0.28	0.09
Soluble Potash, Flame (Citrate)		050.61	7	9.74	0.24	0.14	7	9.74	0.24	0.14
Soluble Potash, Other		050.99	16	9.90	0.37	0.13	16	9.80	0.42	0.10
Method Group 050.XX PCT			71	9.87	0.35	0.11	70	9.86	0.36	0.10

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

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Free Water, Vacuum Oven	965.08B	060.00	5	0.88	0.23	0.04	4	0.80	0.17	0.02
Acid Soluble Calcium, AA	945.04	101.00	3	2.54	0.25	0.07	3	2.54	0.25	0.02
Acid Soluble Calcium, ICP		101.30	17	2.60	0.08	0.03	16	2.61	0.08	0.02
Method Group 101.XX PCT			20	2.60	0.12	0.04	18	2.62	0.09	0.03
Acid Soluble Magnesium, AA	984.01	121.00	2	1.60	0.03	0.03	2	1.60	0.03	0.03
Acid Soluble Magnesium, ICP		121.30	19	1.59	0.07	0.03	18	1.58	0.06	0.02
Acid Soluble Magnesium, Other		121.99	1	1.91	0.01	0.01	1	1.91	0.01	0.01
Method Group 121.XX PCT			22	1.60	0.09	0.03	20	1.58	0.05	0.02
Sulfur, Gravimetric	980.02a	144.01	18	8.60	0.14	0.05	18	8.60	0.14	0.05
Sulfur, Gravimetric	980.02b	144.02	1	9.23	0.07	0.10	1	9.23	0.07	0.10
Sulfur, Spectrometric		144.70	1	8.18	0.04	0.06	1	8.18	0.04	0.06
Sulfur, Other		144.99	21	8.57	0.24	0.11	19	8.58	0.23	0.07
Method Group 144.XX PCT			42	8.60	0.24	0.08	40	8.61	0.24	0.06
Arsenic, Atomic Absorption		151.00	2	0.44	0.05	0.03	2	0.44	0.05	0.03
Arsenic, ICP		151.30	2	0.55	0.10	0.10	2	0.55	0.10	0.10
Method Group 151.XX PPM			4	0.50	0.09	0.06	4	0.50	0.09	0.06
Acid Soluble Boron, Spectrometric	982.01	165.00	1	0.020	0.008	0.011	1	0.020	0.008	0.011
Acid Soluble Boron, Other		165.99	5	1.001	1.333	0.000	4	1.251	1.388	0.000
Method Group 165.XX PCT			6	0.837	1.265	0.002	5	1.001	1.333	0.000
Cadmium, Atomic Absorption		181.00	1	0.30	0.00	0.00	1	0.30	0.00	0.00
Cadmium, ICP		181.30	7	0.55	0.42	0.11	7	0.55	0.42	0.11
Method Group 181.XX PPM			8	0.52	0.40	0.09	8	0.52	0.40	0.09
Water Soluble Chlorine, Titrimetric	928.02	190.00	2	0.16	0.02	0.01	2	0.16	0.02	0.01
Water Soluble Chlorine, Other		190.99	2	0.17	0.03	0.00	2	0.17	0.03	0.00
Method Group 190.XX PCT			4	0.17	0.03	0.00	4	0.17	0.03	0.00
Chromium, ICP		191.30	13	52.95	6.10	2.01	13	52.95	6.10	2.01
Acid Soluble Cobalt, ICP	965.11	202.30	12	4.95	1.01	0.36	12	4.95	1.01	0.36
Method Group 202.XX PPM			12	4.95	1.01	0.36	12	4.95	1.01	0.36
Acid Soluble Copper, Atomic Absorption	975.01	221.00	7	0.0007	0.0004	0.0001	7	0.0007	0.0004	0.0001
Acid Soluble Copper, ICP		221.30	18	0.0008	0.0002	0.0001	16	0.0008	0.0002	0.0001
Acid Soluble Copper, Other		221.99	1	0.0010	0.0000	0.0000	1	0.0010	0.0000	0.0000
Method Group 221.XX PCT			26	0.0008	0.0003	0.0001	24	0.0008	0.0003	0.0001
Acid Soluble Iron, Atomic Absorption	980.01	241.00	13	0.26	0.02	0.01	12	0.26	0.02	0.01
Acid Soluble Iron, ICP		241.30	30	0.26	0.02	0.01	28	0.27	0.01	0.01
Acid Soluble Iron, Other		241.99	2	0.26	0.01	0.00	2	0.26	0.01	0.00
Method Group 241.XX PCT			45	0.26	0.02	0.01	41	0.26	0.02	0.00
Lead, Atomic Absorption		251.00	1	10.50	0.71	1.00	1	10.50	0.71	1.00
Lead, ICP		251.30	4	0.68	0.26	0.11	4	0.68	0.26	0.11
Method Group 251.XX PPM			6	5.04	6.73	0.30	5	3.95	6.88	0.16

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

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Acid Soluble Manganese, AA	972.02a	261.00	11	0.075	0.004	0.001	10	0.075	0.003	0.001
Acid Soluble Manganese, AA	972.02b	261.11	1	0.080	0.002	0.003	1	0.080	0.002	0.003
Acid Soluble Manganese, ICP	972.02a	261.30	25	0.078	0.004	0.002	24	0.078	0.004	0.002
Acid Soluble Manganese, ICP	972.02b	261.31	3	0.076	0.002	0.003	3	0.076	0.002	0.003
Acid Soluble Manganese, Other		261.99	3	0.076	0.002	0.002	3	0.076	0.002	0.002
Method Group 261.XX PCT			43	0.077	0.004	0.002	41	0.077	0.004	0.002
Water Soluble Manganese, ICP	972.03	271.30	2	0.018	0.000	0.001	2	0.018	0.000	0.001
Molybdenum, ICP		289.30	11	5.25	0.62	0.35	11	5.25	0.62	0.35
Nickel, Atomic Absorption		291.00	1	33.50	0.71	1.00	1	33.50	0.71	1.00
Nickel, ICP		291.30	9	29.41	2.49	1.64	9	29.41	2.49	1.64
Method Group 291.XX PPM			10	29.82	2.67	1.58	10	29.82	2.67	1.58
Selenium, ICP		301.30	3	3.25	4.91	0.04	3	3.25	4.91	0.04
Sodium, Other		311.99	8	0.06	0.02	0.00	8	0.06	0.02	0.00
Method Group 311.XX PCT			9	0.07	0.04	0.00	9	0.07	0.04	0.00
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	7	0.004	0.001	0.000	7	0.004	0.001	0.000
Acid Soluble Zinc, ICP		321.30	19	0.004	0.001	0.000	17	0.003	0.001	0.000
Acid Soluble Zinc, Other		321.99	1	0.004	0.000	0.000	1	0.004	0.000	0.000
Method Group 321.XX PCT			27	0.004	0.001	0.000	24	0.004	0.001	0.000
Water Soluble Zinc, ICP		325.30	1	31.420	0.113	0.160	1	31.420	0.113	0.160

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 002.99 PCT			Meth: 005.99 PCT			Meth: 010.12 PCT		
Ammoniacal Nitrogen			Nitrate Nitrogen			Nitrogen From Urea			Total Nitrogen		
MgO Distillation			Other			Other			Salicylic		
090	4.86	.94	232	0.04	.00	309	14.70	.87	Avg	22.42	
230	4.76	.59				Avg	13.64		254	22.33	-.78
232	4.69	.33	Meth: 003.10 PCT			027	12.57	-.87			
Avg	4.60		Water Insoluble Nitr						Meth: 010.60 PCT		
324	4.57	-.10	Meth I			Meth: 005.XX PCT			Total Nitrogen		
309	4.11	-1.77	232	5.28	1.59	Nitrogen From Urea			Combustion		
			Avg	3.59		309	14.70	1.25	Avg	22.75	
Meth: 001.99 PCT			090	3.07	-.50	027	12.57	.55	255	22.75	-.07
Ammoniacal Nitrogen			230	3.10	-.56	Avg	10.88		369	22.73	-.22
Other			057	2.93	-.63	232	8.22	-.87	114	22.72	-.27
262	22.55 s	20.85				351	8.03	-.93	389	22.75	-.35
372	6.84	2.13	Meth: 003.99 PCT						007	22.75	-.35
371	5.44	.46	Water Insoluble Nitr			Meth: 009.10 PCT			035	22.74	-.43
Avg	5.05		Other			Ammon & Nitrate N			231	22.69	-.45
096	5.02	-.07	372	3.12	.82	Devarda			086	22.66	-.68
255	4.70	-.42	Avg	3.10		200	5.00	.87	040	22.65	-.76
027	4.60	-.54	027	3.08	-.91	Avg	4.71		136	22.64	-.79
420	4.40	-.77				420	4.42	-.87	325	22.65	-.80
105	4.35	-.84	Meth: 003.XX PCT						055	22.68	-.87
			Water Insoluble Nitr			Meth: 010.11 PCT			022	22.72	-.94
			Other			Total Nitrogen			377	22.61	-1.02
			232	5.28	1.89	Modified Comprehensi			131	22.61	-1.04
			Avg	3.49		322	24.44 s	9.76	232	22.60	-1.09
Meth: 001.XX PCT			372	3.12	-.40	105	22.64	1.08	009	22.64	-1.11
Ammoniacal Nitrogen			027	3.08	-.44	288	22.60	.82	372	22.59	-1.18
262	22.55 s	25.00	090	3.07	-.46	090	22.55	.60	023	22.59	-1.26
372	6.84	2.73	230	3.10 R	-.54	416	22.52	.40	425	22.52	-1.66
371	5.44	.75	057	2.93	-.60	Avg	22.43		452	22.46	-2.18
096	5.02	.18				371	22.38	-.42	360	22.40 s	-3.29
Avg	4.91		Meth: 005.00 PCT			405	22.30	-.67	230	21.40 s	-10.38
090	4.86	-.07	Nitrogen From Urea			073	22.43 R	-1.87			
230	4.76	-.21	Urease (as N)			309	22.05	-1.87	Meth: 010.99 PCT		
255	4.70	-.30	232	8.22	.77				Total Nitrogen		
232	4.69	-.31	Avg	8.12					Other		
027	4.60	-.44	351	8.03	-.95				354	24.42 S	12.47
324	4.57	-.47							402	22.32	.85
420	4.40	-.71							Avg	22.17	
105	4.35 R	-.80							420	22.02	-.88
309	4.11	-1.14							105	21.09 S	-6.08

* 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
Meth: 010.XX PCT											
<u>Total Nitrogen</u>											
322	24.44 s	6.92	369	22.73	.09	Meth: 020.10 PCT					
354	24.42 s	6.83	114	22.72	.03	<u>Total Phosphate</u>					
422	24.11 s	5.59	Avg	22.71		Grav Quimociac					
095	23.56 s	3.39	231	22.69	-.09	405 1.13 -.88					
043	23.43	2.86	086	22.66	-.24	Meth: 020.20 PCT					
028	23.33	2.51	040	22.65	-.26	<u>Total Phosphate</u>					
102	23.14 s	2.29	136	22.64	-.28	Spectrometric					
157	22.83 R	1.71	325	22.65	-.31	428	4.30 s	15.73	Meth: 041.50 PCT		
406	23.12	1.67	377	22.61	-.41	292	1.55	1.08	Dir Available Phosph		
234	23.01	1.44	055	22.68	-.42	232	1.47	.96	ICP		
057	23.03	1.28	131	22.61	-.42	090	1.45	.74	377 1.49 1.72		
307	22.90	1.10	105	22.64	-.42	247	1.44	.60	007 1.40 .42		
450	22.88	.96	288	22.60	-.44	372	1.42	.48	291 1.39 .41		
324	22.90	.86	420	22.60	-.45	390	1.42	.46	Avg 1.37		
096	22.90	.77	372	22.59	-.50	255	1.39	.22	009 1.32 -.64		
423	22.84	.74	009	22.64	-.52	402	1.39	.16	325 1.30 -.89		
233	22.86	.59	023	22.59	-.56	324	1.38	.02	452 1.31 -1.00		
292	22.86	.59	090	22.55	-.65	Avg	1.38		Meth: 041.60 PCT		
027	22.85	.55	425	22.52	-.77	288	1.37	-.13	Dir Available Phosph		
177	22.81	.54	416	22.52	-.78	432	1.37	-.58	EDTA Extract		
022	22.72	.52	185	22.50	-.87	389	1.35	-.59	296 1.40 1.04		
351	22.83	.50	452	22.46	-1.08	307	1.37	-.61	073 1.38 .86		
291	22.83	.50	371	22.38	-1.36	035	1.28	-1.01	Avg 1.31		
037	22.81	.49	254	22.33	-1.51	420	1.29	-1.02	024 1.30 -.14		
041	22.76	.48	402	22.32	-1.56	405	1.13	-2.63	288 1.30 -.14		
034	22.79	.45	405	22.30	-1.65	262	0.95 A	-4.43	028 1.18 -1.62		
162	22.80	.41	360	22.40 R	-1.75	450	0.60 s	-7.97	Meth: 041.99 PCT		
106	22.80	.36	073	22.43 R	-1.91	422	0.02 s	-13.92	Dir Available Phosph		
390	22.80	.36	309	22.05	-2.64	Meth: 030.50 PCT					
426	22.80	.35	420	22.02	-2.78	<u>Insoluble Phosphate</u>					
247	22.76	.31	230	21.40 s	-5.75	ICP					
035	22.74	.27	105	21.09 s	-6.52	255	0.02	.71	009 1.38 .85		
007	22.75	.26	Meth: 040.50 PCT								
389	22.75	.26	InDir Available Phos								
070	22.77	.22	ICP								
296	22.76	.21	255 1.38 .71								
025	22.76	.18	Meth: 041.XX PCT								
255	22.75	.15	Dir Available Phosph								
090 1.45 .86											
Avg 1.29											

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.XX PCT														
<u>Dir Available Phosph</u>														
296	1.44	1.31												
007	1.40	.56												
296	1.40	.53												
291	1.39	.53												
073	1.38	.37												
009	1.38	.34												
Avg	1.35													
009	1.32	-.41												
325	1.30	-.64												
288	1.30	-.64												
024	1.30	-.64												
452	1.31	-.79												
028	1.18	-2.12												
230	1.02 A	-4.19												
322	0.12 s	-15.16												
Meth: 050.30 PCT														
<u>Soluble Potash</u>														
AA (Oxalate)	428	21.65 s	63.75											
	234	10.23	1.40											
	262	10.20	.97											
	157	10.18	.90											
	040	10.07	.67											
Avg	10.02													
369	9.92	-.61												
136	9.90	-.68												
351	9.86	-.90												
073	9.84	-1.31												
185	9.40 A	-3.80												
425	9.00 s	-5.60												
Meth: 050.51 PCT														
<u>Soluble Potash</u>														
ICP (Citrate)	007	10.13	.38											
	009	10.08	.18											
Avg	10.04													
389	10.00	-.18												
377	9.97	-.33												
291	9.96	-.39												
452	9.99	-.47												
043	9.87	-.79												
423	9.66	-1.64												
Meth: 050.60 PCT														
<u>Soluble Potash</u>														
Flame (Oxalate)	406	10.33	1.56											
	131	10.06	.62											
	200	9.98	.36											
	055	9.98	.33											
Avg	9.89													
105	9.77	-.54												
169	9.60	-1.00												
309	9.48	-1.46												
Meth: 050.31 PCT														
<u>Soluble Potash</u>														
AA (Citrate)	095	10.06	.86											
	254	9.41	-.87											
Meth: 050.50 PCT														
<u>Soluble Potash</u>														
ICP (Oxalate)	324	10.54	1.77											
	106	10.00	.78											
	426	9.68	.28											
	420	9.64	.21											
Avg	9.59													
405	9.11	-.89												
422	9.08	-.94												
354	9.06	-.98												
Meth: 050.51 PCT														
<u>Soluble Potash</u>														
ICP (Citrate)	023	10.56	2.20											
	432	10.20	.80											
Meth: 041.XX PCT														
<u>Dir Available Phosph</u>														
296	1.44	1.31												
007	1.40	.56												
296	1.40	.53												
291	1.39	.53												
073	1.38	.37												
009	1.38	.34												
Avg	1.35													
009	1.32	-.41												
325	1.30	-.64												
288	1.30	-.64												
024	1.30	-.64												
452	1.31	-.79												
028	1.18	-2.12												
230	1.02 A	-4.19												
322	0.12 s	-15.16												
Meth: 048.20 PCT														
<u>Water Soluble Phosph</u>														
Spectrometric	420	0.64	.71											
Meth: 050.00 PCT														
<u>Soluble Potash</u>														
STPB Oxalate	230	10.30	2.11											
	022	10.25	1.81											
	095	10.02	.27											
	090	10.00	.25											
Avg	9.98													
372	9.97	-.21												
211	9.93	-.30												
055	9.93	-.31												
231	9.94	-.33												
057	9.89	-.67												
416	9.87	-.73												
296	9.85	-.86												
043	9.81	-1.24												
102	8.62 s	-9.37												
Meth: 050.99 PCT														
<u>Soluble Potash</u>														
Other	193	10.46	1.58											
	300	10.37 R	1.47											
	325	10.40	1.44											
	232	10.07	.64											
	131	10.00	.56											
	027	10.01	.50											
	114	9.97	.41											
	177	9.95	.36											
	247	9.89	.21											
	360	9.86	.20											
	307	9.84	.11											
	009	9.84	.10											
Avg	9.77													
255	9.73	-.17												
402	9.57	-.56												
322	9.29	-1.22												
022	9.10	-1.69												
390	8.88 S	-2.20												
Meth: 050.XX PCT														
<u>Soluble Potash</u>														
428	21.65 s	32.91												
023	10.56	1.94												
324	10.54	1.90												
193	10.46	1.70												
300	10.37 R	1.59												
325	10.40	1.53												
406	10.33	1.31												
230	10.30	1.23												
234	10.23	1.12												
022	10.25	1.10												
432	10.20	.99												
262	10.20	.95												
157	10.18	.90												
007	10.13	.76												
040	10.07	.66												
009	10.08	.61												
Meth: 050.XX PCT														
<u>Soluble Potash</u>														
428	21.65 s	32.91												
023	10.56	1.94												
324	10.54	1.90												
193	10.46	1.70												
300	10.37 R	1.59												
325	10.40	1.53												
406	10.33	1.31												
230	10.30	1.23												
234	10.23	1.12												
022	10.25	1.10												
432	10.20	.99												
262	10.20	.95												
157	10.18	.90												
007	10.13	.76												
040	10.07	.66												
009	10.08	.61												

* 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
Meth: 050.XX PCT											
<u>Soluble Potash</u>											
105	9.83	- .40									
073	9.84	- .41									
028	9.69	- .49									
423	9.66	- .56									
426	9.68	- .62									
420	9.64	- .69									
169	9.60	- .73									
402	9.57	- .82									
309	9.48	- 1.09									
034	9.47	- 1.13									
025	9.45	- 1.16									
254	9.41	- 1.26									
185	9.40 R	- 1.53									
322	9.29	- 1.59									
405	9.11	- 2.09									
022	9.10	- 2.14									
422	9.08	- 2.17									
354	9.06	- 2.23									
425	9.00	- 2.39									
390	8.88 s	- 2.74									
102	8.62 s	- 3.64									
Meth: 060.00 PCT											
Free Water											
<u>Vacuum Oven</u>											
096	1.21 R	2.40									
105	1.00	1.16									
416	0.85	.32									
Avg	0.80										
007	0.79	- .07									
193	0.55	- 1.43									
Meth: 101.00 PCT											
<u>Acid Soluble Calcium</u>											
AA											
105	2.81	1.08									
086	2.55	.22									
Avg	2.54										
Meth: 101.00 PCT											
<u>Acid Soluble Calcium</u>											
422	3.57 s	10.84									
022	3.18 s	6.46									
105	2.81	2.21									
420	2.73	1.30									
390	2.71	1.06									
Meth: 101.00 PCT											
<u>Acid Soluble Calcium</u>											
AA											
193	2.71	1.01									
027	2.68	.77									
106	2.68	.72									
433	2.65	.34									
Avg	2.62										
389	2.60	- .19									
288	2.60	- .19									
065	2.58	- .46									
423	2.58	- .51									
009	2.61	- .54									
247	2.55	- .77									
232	2.54	- .88									
086	2.55	- .98									
102	2.54	- .99									
131	2.50	- 1.29									
307	2.50	- 1.33									
057	2.54 R	- 1.43									
193	2.26 A	- 4.09									
Meth: 121.00 PCT											
<u>Acid Soluble Magnesi</u>											
AA											
193	1.61	.39									
Avg	1.60										
105	1.59	- 1.16									
Meth: 121.30 PCT											
<u>Acid Soluble Magnesi</u>											
ICP											
405	3.21 s	29.94									
422	2.18 s	11.06									
022	1.91 A	5.96									
057	1.73 R	2.83									
027	1.72	2.60									
390	1.64	1.14									
389	1.63	.92									
035	1.63	.91									
452	1.62	.63									
423	1.62	.62									
420	1.62	.62									
105	1.59	.53									
193	1.61	.44									
Avg	1.58										
131	1.58	- .10									
065	1.57	- .50									
Meth: 121.00 PCT											
<u>Acid Soluble Magnesi</u>											
ICP											
420	1.62	.62									
105	1.59	.53									
193	1.61	.44									
Avg	1.58										
131	1.58	- .10									
065	1.57	- .50									
Meth: 121.30 PCT											
<u>Acid Soluble Magnesi</u>											
ICP											
420	1.62	.62									
307	1.57	- .62									
433	1.54	- .65									
009	1.53	- .89									
106	1.53	- .90									
102	1.53	- .92									
232	1.52	- .98									
288	1.50	- 1.42									
Meth: 121.99 PCT											
<u>Acid Soluble Magnesi</u>											
Other											
022	1.91	.71									
Meth: 121.99 PCT											
<u>Acid Soluble Magnesi</u>											
022	1.91 A	5.96									
057	1.73 R	2.83									
027	1.72	2.60									
390	1.64	1.14									
389	1.63	.92									
035	1.63	.91									
452	1.62	.63									
423	1.62	.62									
420	1.62	.62									
105	1.59	.53									
193	1.61	.44									
Avg	1.58										
131	1.58	- .10									
065	1.57	- .50									
Meth: 121.00 PCT											
<u>Acid Soluble Magnesi</u>											
AA											
193	1.61	.39									
Avg	1.60										
105	1.59	- 1.16									
Meth: 121.30 PCT											
<u>Acid Soluble Magnesi</u>											
ICP											
405	3.21 s	28.75									
422	2.18 s	10.64									
057	1.73 R	2.74									
027	1.72	2.52									
390	1.64	1.12									
389	1.63	.91									
035	1.63	.90									
452	1.62	.64									
423	1.62	.64									
420	1.62	.62									
105	1.59	.53									
193	1.61	.44									
Avg	1.58										
131	1.58	- .10									
065	1.57	- .50									
Meth: 144.01 PCT											
<u>Acid Soluble Magnesi</u>											
096	1.55	- .61									
247	1.55	- .61									
307	1.57	- .65									
433	1.54	- .70									
009	1.53	- .96									
106	1.53	- .97									
102	1.53	- .98									
232	1.52	- 1.05									
288	1.50	- 1.51									
Meth: 144.01 PCT											
<u>Sulfur</u>											
<u>Gravimetric</u>											
405	9.13 s	3.70									
043	8.96	2.51									
324	8.74	.99									
262	8.73	.92									
157	8.70	.89									
288	8.71	.78									
040	8.64	.27									
041	8.63	.25									
296	8.63	.23									
102	8.62	.20									
Avg	8.60										
057	8.59	- .09									
114	8.54	- .48									
073	8.55	- .49									
105	8.54	- .59									
200	8.52	- .61									
193	8.47	- .93									
095	8.46	- 1.00									
055	8.45	- 1.18									
106	8.34	- 1.81									
Meth: 144.02 PCT											
<u>Sulfur</u>											
<u>Gravimetric</u>											
260	9.23	- .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
Meth: 144.70 PCT											
Sulfur											
452	8.18	- .71	452	8.18	-1.83	452	8.18	-1.83	452	8.18	-1.83
Meth: 144.99 PCT											
Sulfur											
390	8.73	.64	390	8.73	151.00 PPM	390	8.73	151.00 PPM	390	8.73	151.00 PPM
324	8.74	.56	324	8.74	Arsenic	324	8.74	Arsenic	324	8.74	Arsenic
Other											
090	10.48 s	8.19	090	10.48 s	Atomic Absorption	090	10.48 s	Atomic Absorption	090	10.48 s	Atomic Absorption
300	8.98	1.76	300	8.98	300	8.98	300	0.48	300	8.98	300
360	8.98	1.75	360	8.98	Avg	360	8.98	0.44	360	8.98	360
023	8.95	1.60	023	8.95	136	0.41	023	0.41	023	8.95	136
423	8.76	.79	423	8.76	.13	423	8.76	.13	423	8.76	.13
390	8.73	.75	390	8.73	.12	390	8.73	.12	390	8.73	.12
232	8.68	.43	232	8.68	.10	232	8.68	.10	232	8.68	.10
136	8.66	.32	136	8.66	.10	136	8.66	.10	136	8.66	.10
177	8.62	.15	177	8.62	.06	177	8.62	.06	177	8.62	.06
Avg											
351	8.57	-.05	351	8.57	-.09	351	8.57	-.09	351	8.57	-.09
027	8.57	-.10	027	8.57	-.16	027	8.57	-.16	027	8.57	-.16
354	8.56	-.13	354	8.56	-.20	354	8.56	-.20	354	8.56	-.20
131	8.50	-.37	131	8.50	-.23	131	8.50	-.23	131	8.50	-.23
450	8.51	-.41	450	8.51	-.33	450	8.51	-.33	450	8.51	-.33
372	8.48	-.44	372	8.48	-.33	372	8.48	-.33	372	8.48	-.33
291	8.44	-.64	291	8.44	-.39	291	8.44	-.39	291	8.44	-.39
422	8.30	-1.23	422	8.30	-.41	422	8.30	-.41	422	8.30	-.41
009	8.29	-1.27	009	8.29	-.47	009	8.29	-.47	009	8.29	-.47
086	8.43 R	-1.28	086	8.43 R	-.49	086	8.43 R	-.49	086	8.43 R	-.49
230	8.39 R	-1.33	230	8.39 R	-.55	230	8.39 R	-.55	230	8.39 R	-.55
389	8.25	-1.45	389	8.25	-.61	389	8.25	-.61	389	8.25	-.61
035	8.25	-1.46	035	8.25	-.65	035	8.25	-.65	035	8.25	-.65
255	7.76 S	-3.56	255	7.76 S	-.74	255	7.76 S	-.74	255	7.76 S	-.74
Meth: 144.99 PCT											
Sulfur											
090	10.48 s	7.89	090	10.48 s	165.99 PCT	090	10.48 s	165.99 PCT	090	10.48 s	165.99 PCT
260	9.23	2.63	260	9.23	Acid Soluble Boron	260	9.23	Acid Soluble Boron	260	9.23	Acid Soluble Boron
405	9.13	2.20	405	9.13	Other	405	9.13	Other	405	9.13	Other
300	8.98	1.61	300	8.98	405	3.000	300	3.000	300	8.98	3.000
360	8.98	1.60	360	8.98	232	2.000	360	2.000	360	8.98	2.000
Avg											
035	0.56	.33	035	0.56	136	0.41	035	0.41	035	0.56	136
Avg	0.52	-.49	Avg	0.52	405	3.000	Avg	3.000	Avg	0.52	405
009	0.32	-.54	009	0.32	232	2.000	009	2.000	009	0.32	232
300	0.30	-.64	300	0.30	Avg	1.001	300	1.001	300	0.30	Avg
230	0.26	-.66	230	0.26	105	0.020 R	230	0.020 R	230	0.26	105
102	0.25	-.66	102	0.25	288	0.002	102	0.002	102	0.25	288
065	0.15 X	-.91	065	0.15 X	422	0.001	065	0.001	065	0.15 X	422
Meth: 190.00 PCT											
Water Soluble Chlori											
Titrimetric											
105	0.18	.89	105	0.18	105	0.18	105	0.18	105	0.18	105
Avg	0.16	-.84	Avg	0.16	422	0.001	Avg	0.001	Avg	0.16	422
102	0.15	-.84	102	0.15	433	0.001	102	0.001	102	0.15	433
Meth: 190.99 PCT											
Water Soluble Chlori											
Other											
009	0.20	.87	009	0.20	300	0.30	009	0.30	009	0.20	300
Avg	0.17	-.87	Avg	0.17	Meth: 181.30 PPM	Avg	0.30	Meth: 181.30 PPM	Avg	0.17	Meth: 181.30 PPM
288	0.14	-.87	288	0.14	Cadmium	288	0.14	Cadmium	288	0.14	288
Meth: 190.99 PCT											
Water Soluble Chlori											
ICP											
452	2.55 s	4.71	452	2.55 s	4.71	452	2.55 s	4.71	452	2.55 s	4.71
324	1.25	1.66	324	1.25	1.66	324	1.25	1.66	324	1.25	1.66
450	1.05	1.23	450	1.05	1.23	450	1.05	1.23	450	1.05	1.23
035	0.56	.30	035	0.56	.30	035	0.56	.30	035	0.56	.30
Avg	0.55	-.54	Avg	0.55	-.54	Avg	0.55	-.54	Avg	0.55	-.54
009	0.32	-.68	009	0.32	-.68	009	0.32	-.68	009	0.32	-.68
230	0.26	-.70	230	0.26	-.70	230	0.26	-.70	230	0.26	-.70
102	0.25	-.94	102	0.25	-.94	102	0.25	-.94	102	0.25	-.94
065	0.15 X	-.94	065	0.15 X	-.94	065	0.15 X	-.94	065	0.15 X	-.94
Meth: 181.30 PPM											
Cadmium											
452	65.39	2.04	452	65.39	2.04	452	65.39	2.04	452	65.39	2.04
390	59.20	1.04	390	59.20	1.04	390	59.20	1.04	390	59.20	1.04
450	58.00	.84	450	58.00	.84	450	58.00	.84	450	58.00	.84
009	55.55	.47	009	55.55	.47	009	55.55	.47	009	55.55	.47
065	54.82	.41	065	54.82	.41	065	54.82	.41	065	54.82	.41

* 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			
Meth: 191.30 PPM														
Chromium														
ICP	037	5.94	Meth: 202.XX PPM											
	096	54.10	Acid Soluble Cobalt											
	037	53.68	009	5.75	.80	Meth: 221.30 PCT								
	035	53.40	247	5.50	.73	Acid Soluble Copper								
	Avg	52.95	057	5.65	.69	433	0.0008	.06	Meth: 221.XX PCT					
	102	50.36	035	5.43	.48	Avg	0.0008	.04	Acid Soluble Iron					
	247	49.00	Avg	4.95		324	0.0008	-.04	ICP					
	230	45.65	065	4.50	-.50	422	0.0007	-.32	432					
	232	45.25	390	4.45	-.50	307	0.0007	-.51	432					
	324	43.95	102	4.05	-.91	043	0.0007	-.51	432					
	027	16.87 s	230	3.95	-1.00	057	0.0007 R	-.70	432					
			232	3.85	-1.12	423	0.0005	-1.08	432					
			324	3.60	-1.37	105	0.0004	-1.55	432					
						300	0.0003	-1.62	432					
						262	0.0000	-2.77	432					
Meth: 202.00 PPM														
Acid Soluble Cobalt														
AA	136	11.00 S	Meth: 221.00 PCT											
			Acid Soluble Copper											
			Atomic Absorption											
			200	0.0150 s	34.90	Meth: 241.00 PCT								
			450	0.0012	1.09	Acid Soluble Iron								
			428	0.0011	.99	Atomic Absorption								
			086	0.0008	.57	428	0.61 s	16.66	231					
			095	0.0009	.47	086	0.30	1.97	423					
			Avg	0.0007		Meth: 221.XX PCT								
			009	5.75	.80	Acid Soluble Copper								
			247	5.50	.73	200	0.0150 s	49.91	027					
			Avg	52.95		354	0.0040 s	11.28	027					
			102	4.05	-.91	420	0.0020 s	4.26	452					
			230	3.95	-1.00	452	0.0013	1.63	023					
			232	3.85	-1.12	450	0.0012	1.28	041					
			324	3.60	-1.37	428	0.0011	1.15	041					
						035	0.0011	1.10	065					
						255	0.0010	.75	065					
						402	0.0010	.75	096					
						086	0.0008 R	.74	324					
						288	0.0009	.57	114					
						389	0.0009	.53	114					
						095	0.0009	.39	288					
						247	0.0008	.35	288					
						102	0.0008	.35	420					
						065	0.0008	.19	420					
						009	0.0008	.15	102					
									230					
									450					
									232					
									300					
									433					
									433					

* 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: 241.99 PCT															
Acid Soluble Iron															
Other			114	0.26	-0.17	Meth: 251.99 PCT									
234	0.27	.87	324	0.26	-0.17	Lead	452	17.00	1.90	Meth: 261.30 PCT					
Avg	0.26		095	0.26	-0.22	Avg	136	10.50	.95	Acid Soluble Manganese					
402	0.25	-.87	065	0.26	-0.33	450	1.00	-.43		ICP	102	0.083	1.37		
Meth: 241.99 PCT															
Acid Soluble Iron															
389	3.00	s 167.68	288	0.26	-0.34	230	0.77	-.46		090	0.080	0.59			
428	0.61	s 21.00	351	0.25	-0.50	247	0.60	-.49		389	0.080	0.59			
405	0.46	s 12.08	420	0.25	-0.54	102	0.36	-.52		023	0.079	.42			
432	0.44	s 11.27	102	0.25	-0.55	Meth: 261.11 PCT									
086	0.30	2.12	402	0.25	-0.57	Acid Soluble Manganese									
090	0.29	1.77	043	0.25	-0.65	AA	028	0.081	1.84	Meth: 261.31 PCT					
106	0.29	1.66	040	0.25	-1.03	086	0.077	1.09		Acid Soluble Manganese					
354	0.28	1.22	230	0.25	-1.08	177	0.078	.99		ICP	324	0.076	1.05		
390	0.28	R 1.10	232	0.24	-1.34	095	0.077	.78		230	0.077	.51			
057	0.28	1.10	136	0.24	-1.40	055	0.075	.59		Avg	0.078				
055	0.28	.93	105	0.24	-1.45	028	0.075	.59		360	0.077	-.21			
035	0.28	.81	450	0.26	R -1.45	Avg	0.075			452	0.083	1.84			
131	0.28	.75	028	0.23	R -1.95	351	0.074	-.11		102	0.083	1.78			
255	0.27	.60	262	0.22	-2.62	296	0.074	-.16		028	0.081	1.25			
009	0.27	.52	300	0.22	-2.69	043	0.074	-.34		390	0.080	1.07			
307	0.27	.50	433	0.14	s -10.30	450	0.073	-.41		433	0.080	1.00			
426	0.27	.49	Meth: 251.00 PPM			262	0.070	-1.31		106	0.080	.97			
360	0.27	.48	Lead			105	0.070	-1.46		090	0.080	.97			
234	0.27	.44	Atomic Absorption			Meth: 261.11 PCT				389	0.080	.97			
247	0.27	.44	136	10.50	.71	Acid Soluble Manganese				040	0.080	.93			
296	0.27	.40	Meth: 251.30 PPM			AA	040	0.080	.71	Meth: 261.99 PCT					
041	0.27	.33	Lead			AA				Acid Soluble Manganese					
371	0.27	.31	ICP			040	0.080	.71		ICP	177	0.078	.41		
231	0.27	.27	452	17.00	s 62.47	Meth: 261.30 PCT				324	0.076	1.05			
452	0.26	.12	450	1.00	1.22	Acid Soluble Manganese				402	0.078	.30			
027	0.26	.06	230	0.77	.48	ICP				095	0.077	.20			
423	0.26	.06	Avg	0.68		041	0.472	s 147.50		360	0.077	.12			
Avg	0.26		247	0.60	-.50	432	0.150	s 19.44		131	0.077	.03			
023	0.26	-.04	102	0.36	-1.24	422	0.102	s 6.35		Avg	0.077				
177	0.26	-.11	086	0.36		354	0.083	1.79		009	0.078	.55			
096	0.26	-.17	426	0.084	1.68	426	0.084	1.68		177	0.078	.41			
* 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	
Meth: 261.XX PCT												
<u>Acid Soluble Manganese</u>												
035	0.075	-.56										
351	0.074	-.65										
065	0.076	-.72										
055	0.075	-.72										
231	0.075	-.72										
296	0.074	-.73										
307	0.074	-.79										
043	0.074	-.88										
288	0.074	-.88										
420	0.074	-.92										
255	0.074	-.92										
450	0.073	-.97										
300	0.073	-1.23										
232	0.072	-1.36										
114	0.075 R	-1.48										
262	0.070	-1.86										
105	0.070	-2.01										
Meth: 271.30 PCT												
<u>Water Soluble Mangan</u>												
ICP												
432	0.030 s	30.86										
300	0.019	1.12										
Avg	0.018											
452	0.018	-.50										
Meth: 289.30 PPM												
<u>Molybdenum</u>												
ICP												
324	6.40	2.01										
450	6.00	1.20										
057	5.50	.75										
232	5.30	.65										
035	5.54	.49										
Avg	5.25											
247	5.00	-.41										
433	4.90	-.57										
065	5.23	-.63										
Meth: 289.30 PPM												
<u>Molybdenum</u>												
ICP												
136	33.50	1.39										
009	32.95	1.31										
035	30.95	.53										
065	29.98	.48										
390	31.05	.48										
450	30.50	.31										
Avg	29.82											
037	28.68	-.47										
102	28.23	-.76										
247	27.50	-.89										
232	24.90	-1.86										
Meth: 291.XX PPM												
<u>Nickel</u>												
136	33.50	.71										
Meth: 291.00 PPM												
Nickel												
ICP												
009	32.95	1.55										
035	30.95	.71										
390	31.05	.67										
065	29.98	.56										
450	30.50	.48										
Avg	29.41											
037	28.68	-.36										
102	28.23	-.69										
247	27.50	-.80										
232	24.90	-1.83										
Meth: 301.30 PPM												
<u>Selenium</u>												
ICP												
027	9.59	1.29										
Avg	3.25											
065	0.16	-.63										
450	0.00	-.66										
Meth: 311.30 PCT												
<u>Sodium</u>												
ICP												
422	0.18 s	6.02										
288	0.11	2.53										
Avg	0.06											
035	0.06	-.16										
102	0.05	-.29										
307	0.05	-.30										
009	0.05	-.36										
232	0.05	-.48										
057	0.05	-.50										
423	0.05	-.55										
Meth: 311.XX PCT												
<u>Sodium</u>												
405	4.44 s	101.57										
422	0.18	2.48										
288	0.11	.86										
Avg	0.07											
035	0.06	-.36										
307	0.05	-.44										
102	0.05	-.44										
009	0.05	-.48										
232	0.05	-.53										
057	0.05	-.54										
423	0.05	-.56										
Meth: 301.30 PPM												
<u>Selenium</u>												
ICP												
027	9.59	1.29										
Avg	3.25											
065	0.16	-.63										
450	0.00	-.66										
Meth: 321.00 PCT												
<u>Acid Soluble Zinc</u>												
ICP												
200	0.009 S	5.37										
428	0.009 S	4.95										
086	0.008 S	4.70										
043	0.006	2.26										
371	0.004	.10										
Avg	0.004											
296	0.004	-.27										
450	0.004	-.38										
193	0.003	-.58										
095	0.003	-.59										
105	0.003	-.70										
262	0.000 S	-4.00										
Meth: 321.30 PCT												
<u>Acid Soluble Zinc</u>												
ICP												
096	0.005	2.12										
300	0.004 R	2.08										
065	0.004 R	1.94										
035	0.004	1.33										
037	0.004	.87										
354	0.004	.85										
422	0.004	.84										
433	0.004	.62										
423	0.004	.40										
009	0.004	.30										
102	0.004	.17										
Avg	0.003											
324	0.003	-.47										
232	0.003	-.47										
057	0.003	-.63										
307	0.003	-.83										
288	0.003	-.83										
230	0.003	-.83										
420	0.003	-.83										
247	0.002	-1.96										
Meth: 321.99 PCT												
<u>Acid Soluble Zinc</u>												
Other												
402	0.004	.00										
Meth: 321.XX PCT												
<u>Acid Soluble Zinc</u>												
200	0.009 s	10.41										
428	0.009 s	9.66										
086	0.008 s	9.12										
043	0.006 A	4.77										
096	0.005	2.34										
300	0.004 R	2.31										
065	0.004 R	2.15										
035	0.004	1.46										
037	0.004	.94										
402	0.004	.91										
354	0.004	.91										
371	0.004	.82										
433	0.004	.65										
450	0.004	.54										
423	0.004	.41										
009	0.004	.30										
296	0.004	.16										
Avg	0.004											
102	0.004	-.19										
095	0.003	-.41										
193	0.003	-.48										
232	0.003	-.56										
324	0.003	-.56										
105	0.003	-.63										
057	0.003	-.73										
422	0.004	-.94										
230	0.003	-.97										
420	0.003	-.97										
288	0.003	-.97										
307	0.003	-.97										
247	0.002	-2.25										
262	0.000 s	-6.62										

* 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
-----	----------	-------	-----	----------	-------	-----	----------	-------

Meth: 325.30 PCT
 Water Soluble Zinc
 ICP
 027 31.420 - .71

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

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.10	5	0.00	1.06	0.05	101.XX	22	0.56	2.98	0.35
001.99	8	2.61	7.43	0.04	121.00	2	0.00	0.48	0.80
001.XX	13	1.86	7.02	0.04	121.30	21	2.00	6.63	0.33
003.10	4	0.00	1.06	0.16	121.XX	24	2.07	6.52	0.34
003.99	2	0.00	1.12	0.36	144.01	19	0.19	1.28	0.25
003.XX	6	0.07	0.96	0.15	144.99	23	0.14	2.11	0.36
005.00	2	0.00	1.05	0.44	144.XX	44	0.06	1.63	0.28
005.99	2	0.00	1.22	0.00	151.00	2	0.00	1.09	0.40
005.XX	4	0.00	1.08	0.01	151.30	3	-	0.58	2.94
009.10	2	0.00	1.22	0.04	151.XX	5	0.01	0.75	2.46
009.XX	2	0.00	1.22	0.04	165.99	5	-	1.018	0.000
010.11	9	1.08	3.37	0.65	165.XX	6	-	0.995	0.002
010.12	2	0.00	1.09	0.39	181.30	8	0.59	1.92	0.18
010.60	54	0.31	2.36	0.98	181.XX	9	0.56	1.93	0.17
010.99	4	1.63	7.79	0.60	190.00	2	0.00	1.18	0.22
010.XX	68	0.21	1.86	0.66	190.99	2	0.00	1.22	0.04
020.10	2	0.00	1.21	0.13	190.XX	4	0.00	1.07	0.11
020.20	9	1.31	5.63	0.13	191.30	14	0.42	1.85	0.18
020.40	2	0.00	1.21	0.12	191.XX	14	-	1.85	0.18
020.50	6	4.29	10.51	0.77	202.30	12	0.00	1.00	0.22
020.XX	20	0.19	7.92	0.30	202.XX	13	0.46	1.91	0.34
041.10	2	0.27	0.37	2.75	221.00	8	4.3627	12.375	0.2139
041.50	6	0.00	0.97	0.36	221.30	20	0.9942	3.5495	0.2999
041.60	5	0.00	1.06	0.08	221.XX	29	2.2507	9.4731	0.2501
041.99	3	1.68	3.03	0.12	241.00	14	1.17	4.55	0.26
041.XX	14	1.32	4.26	1.12	241.30	34	7.10	39.03	1.91
050.00	13	0.69	2.68	0.74	241.99	2	0.00	1.22	0.04
050.30	11	4.98	19.60	0.70	241.XX	50	4.03	23.95	1.18
050.31	2	0.00	1.22	0.10	251.30	5	12.49	27.95	0.39
050.50	7	0.00	1.03	0.14	251.XX	6	0.16	1.03	0.03
050.51	10	0.00	1.00	0.23	261.00	11	0.057	0.968	0.342
050.60	7	0.00	1.02	0.19	261.30	28	4.638	20.049	19.589
050.61	7	0.00	0.96	0.38	261.31	3	0.000	0.590	0.776
050.99	17	0.08	1.03	0.20	261.99	4	2.340	4.731	1.315
050.XX	67	0.43	4.17	0.33	261.XX	47	3.116	16.548	16.056
060.00	5	0.47	1.41	0.20	271.30	3	7.833	13.577	11.561
060.XX	5	0.47	1.41	0.20	271.XX	3	7.833	13.577	11.561
101.00	3	0.00	1.10	0.15	289.30	12	-	1.23	0.50
101.30	18	0.65	3.15	0.37	289.XX	12	-	1.23	0.50

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
291.30	9	0.00	0.95	0.37					
291.XX	10	0.00	0.97	0.33					
301.30	3	0.00	1.12	0.01					
301.XX	3	0.00	1.12	0.01					
311.99	9	0.67	2.23	0.10					
311.XX	10	10.16	32.13	0.06					
321.00	11	0.943	2.869	0.728					
321.30	19	0.162	1.012	0.545					
321.XX	31	0.955	3.317	0.923					