

- Pass 1 Results for 79 Labs - - Pass 2 Results for 78 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	9	14.78	0.29	0.13	8	14.82	0.26	0.07
Ammoniacal Nitrogen, Other		001.99	7	14.87	0.18	0.08	7	14.87	0.18	0.08
Method Group 001.XX PCT			17	14.85	0.28	0.14	15	14.84	0.22	0.08
Nitrate Nitrogen, Jones Modified	930.02	002.20	2	1.18	0.08	0.07	2	1.18	0.08	0.07
Nitrate Nitrogen, Other		002.99	4	1.10	0.08	0.01	4	1.10	0.08	0.01
Method Group 002.XX PCT			6	1.12	0.08	0.03	5	1.10	0.07	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	6	15.94	0.68	0.11	6	15.94	0.68	0.11
Ammon & Nitrate N, Other		009.99	1	15.63	0.05	0.07	1	15.63	0.05	0.07
Method Group 009.XX PCT			7	15.90	0.64	0.10	7	15.90	0.64	0.10
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	16.02	0.20	0.05	5	16.06	0.20	0.02
Total Nitrogen, Salicylic	955.04D	010.12	5	16.20	0.21	0.05	5	16.20	0.21	0.05
Total Nitrogen, Combustion		010.60	52	16.24	0.22	0.08	50	16.24	0.21	0.07
Total Nitrogen, Other		010.99	4	16.06	0.13	0.04	4	16.06	0.13	0.04
Method Group 010.XX PCT			67	16.21	0.23	0.08	63	16.20	0.21	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	4	3.61	0.08	0.08	4	3.61	0.08	0.08
Total Phosphate, Spectrometric	958.01	020.20	19	3.71	0.18	0.08	17	3.69	0.16	0.04
Total Phosphate, Automated	978.01	020.40	4	3.67	0.10	0.06	4	3.67	0.10	0.06
Total Phosphate, ICP		020.50	7	3.69	0.23	0.08	6	3.68	0.24	0.04
Total Phosphate, Other		020.99	4	3.77	0.26	0.14	4	3.77	0.26	0.14
Method Group 020.XX PCT			38	3.70	0.18	0.08	35	3.69	0.18	0.06
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	2	0.03	0.01	0.00	2	0.03	0.01	0.00
Insoluble Phosphate, Automated	978.01	030.40	2	0.11	0.11	0.01	2	0.11	0.11	0.01
Insoluble Phosphate, ICP		030.50	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Method Group 030.XX PCT			5	0.06	0.08	0.00	4	0.07	0.09	0.00
InDir Available Phosphate, Grav Quim	960.02	040.10	1	3.62	0.06	0.08	1	3.62	0.06	0.08
InDir Available Phosphate, Automated	960.02	040.40	3	3.61	0.08	0.08	3	3.61	0.08	0.08
InDir Available Phosphate, ICP		040.50	1	3.42	0.01	0.01	1	3.42	0.01	0.01
Method Group 040.XX PCT			5	3.57	0.10	0.06	5	3.57	0.10	0.06
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	17	3.64	0.10	0.05	16	3.63	0.09	0.04
Dir Available Phosphate, Spectrometric	960.03D	041.20	2	3.56	0.27	0.01	2	3.56	0.27	0.01
Dir Available Phosphate, Automated	978.01	041.40	4	3.57	0.10	0.09	3	3.58	0.05	0.02
Dir Available Phosphate, ICP		041.50	10	3.56	0.07	0.04	9	3.55	0.07	0.02
Dir Available Phosphate, EDTA Extract	993.01	041.60	9	3.65	0.08	0.04	8	3.64	0.08	0.02
Method Group 041.XX PCT			42	3.61	0.11	0.05	39	3.61	0.10	0.03
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	2.70	0.25	0.36	1	2.70	0.25	0.36
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	2.98	0.13	0.10	2	2.98	0.13	0.10
Method Group 048.XX PCT			3	2.88	0.21	0.19	3	2.88	0.21	0.19
Soluble Potash, STPB Oxalate	958.02	050.00	14	7.80	0.17	0.08	14	7.80	0.17	0.08
Soluble Potash, STPB Citrate	969.04	050.10	1	7.80	0.24	0.34	1	7.80	0.24	0.34

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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, AA (Oxalate)		050.30	12	7.58	0.39	0.09	12	7.58	0.39	0.09
Soluble Potash, AA (Citrate)		050.31	1	8.64	0.04	0.05	1	8.64	0.04	0.05
Soluble Potash, ICP (Oxalate)		050.50	6	7.86	0.40	0.07	6	7.86	0.40	0.07
Soluble Potash, ICP (Citrate)		050.51	8	7.77	0.24	0.11	8	7.77	0.24	0.11
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	7	7.91	0.38	0.03	7	7.91	0.38	0.03
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	7	7.75	0.19	0.10	6	7.74	0.18	0.06
Soluble Potash, Other		050.99	16	7.63	0.35	0.09	15	7.65	0.36	0.07
Method Group 050.XX PCT			72	7.75	0.34	0.09	67	7.76	0.32	0.07
Free Water, Vacuum Oven	965.08B	060.00	4	0.34	0.06	0.05	4	0.34	0.06	0.05
Acid Soluble Calcium, ICP		101.30	17	0.44	0.03	0.01	16	0.43	0.03	0.01
Method Group 101.XX PCT			18	0.44	0.05	0.01	16	0.43	0.03	0.01
Acid Soluble Magnesium, AA	984.01	121.00	13	1.07	0.06	0.01	12	1.08	0.06	0.01
Acid Soluble Magnesium, ICP		121.30	29	1.08	0.07	0.02	27	1.08	0.06	0.02
Acid Soluble Magnesium, Titrimetric	964.01	121.70	1	1.29	0.00	0.00	1	1.29	0.00	0.00
Acid Soluble Magnesium, Other		121.99	1	1.05	0.07	0.10	1	1.05	0.07	0.10
Method Group 121.XX PCT			44	1.08	0.07	0.02	41	1.09	0.07	0.02
Water Soluble Magnesium, AA		131.00	1	1.04	0.08	0.11	1	1.04	0.08	0.11
Water Soluble Magnesium, ICP		131.30	2	0.94	0.07	0.08	2	0.94	0.07	0.08
Method Group 131.XX PCT			3	0.97	0.08	0.09	3	0.97	0.08	0.09
Sulfur, Gravimetric	980.02a	144.01	18	17.09	0.40	0.12	18	17.09	0.40	0.12
Sulfur, Gravimetric	980.02b	144.02	2	16.28	0.72	0.06	2	16.28	0.72	0.06
Sulfur, Spectrometric		144.70	1	15.18	0.02	0.03	1	15.18	0.02	0.03
Sulfur, Other		144.99	18	16.72	0.48	0.13	17	16.75	0.46	0.09
Method Group 144.XX PCT			39	16.83	0.57	0.12	38	16.85	0.56	0.10
Arsenic, Atomic Absorption		151.00	1	0.76	0.04	0.05	1	0.76	0.04	0.05
Arsenic, ICP		151.30	4	0.64	0.40	0.38	4	0.64	0.40	0.38
Arsenic, Other		151.99	1	0.76	0.08	0.11	1	0.76	0.08	0.11
Method Group 151.XX PPM			6	0.68	0.32	0.28	5	0.71	0.26	0.14
Acid Soluble Boron, Spectrometric	982.01	165.00	9	0.044	0.007	0.003	8	0.044	0.008	0.002
Acid Soluble Boron, Other		165.99	17	0.038	0.008	0.001	16	0.038	0.008	0.001
Method Group 165.XX PCT			27	0.041	0.009	0.002	25	0.040	0.008	0.001
Water Soluble Boron, Spectrometric	982.01	171.10	1	0.040	0.000	0.000	1	0.040	0.000	0.000
Water Soluble Boron, Other		171.99	1	0.041	0.000	0.000	1	0.041	0.000	0.000
Method Group 171.XX PCT			2	0.041	0.001	0.000	2	0.041	0.001	0.000
Cadmium, Atomic Absorption		181.00	2	2.08	1.08	0.15	2	2.08	1.08	0.15
Cadmium, ICP		181.30	11	1.63	0.69	0.25	10	1.64	0.70	0.18
Cadmium, Other		181.99	1	1.75	0.01	0.01	1	1.75	0.01	0.01
Method Group 181.XX PPM			14	1.70	0.72	0.22	13	1.72	0.73	0.16
Water Soluble Chlorine, Titrimetric	928.02	190.00	9	4.76	0.25	0.07	8	4.72	0.23	0.04

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Water Soluble Chlorine, Other		190.99	4	5.00	0.47	0.06	5	5.22	0.62	0.05
Method Group 190.XX PCT			13	4.84	0.34	0.07	12	4.82	0.35	0.05
Chromium, ICP		191.30	12	82.44	9.00	1.40	12	82.44	9.00	1.40
Chromium, Other		191.99	1	99.90	2.97	4.20	1	99.90	2.97	4.20
Method Group 191.XX PPM			13	83.78	9.87	1.61	13	83.78	9.87	1.61
Acid Soluble Cobalt, AA		202.00	1	2.55	0.07	0.10	1	2.55	0.07	0.10
Acid Soluble Cobalt, ICP	965.11	202.30	10	15.08	5.79	0.84	10	15.08	5.79	0.84
Acid Soluble Cobalt, Other		202.99	1	22.50	1.27	1.80	1	22.50	1.27	1.80
Method Group 202.XX PPM			12	14.66	6.78	0.86	12	14.66	6.78	0.86
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0011	0.0003	0.0001	2	0.0011	0.0003	0.0001
Acid Soluble Copper, ICP		221.30	12	0.0010	0.0007	0.0001	10	0.0008	0.0002	0.0000
Acid Soluble Copper, Other		221.99	3	0.0023	0.0015	0.0007	3	0.0023	0.0015	0.0007
Method Group 221.XX PCT			18	0.0014	0.0012	0.0002	16	0.0011	0.0006	0.0001
Acid Soluble Iron, Atomic Absorption	980.01	241.00	11	2.59	0.17	0.08	10	2.57	0.17	0.06
Acid Soluble Iron, ICP		241.30	26	2.64	0.31	0.10	23	2.63	0.30	0.06
Acid Soluble Iron, Other		241.99	3	2.59	0.38	0.11	3	2.59	0.38	0.11
Method Group 241.XX PCT			40	2.62	0.28	0.10	36	2.63	0.24	0.07
Lead, Atomic Absorption		251.00	2	3.45	1.77	0.70	2	3.45	1.77	0.70
Lead, ICP		251.30	7	2.85	2.22	0.59	7	2.85	2.22	0.59
Lead, Other		251.99	1	0.68	0.06	0.08	1	0.68	0.06	0.08
Method Group 251.XX PPM			10	2.75	2.10	0.56	10	2.75	2.10	0.56
Acid Soluble Manganese, AA	972.02a	261.00	9	0.360	0.029	0.010	9	0.360	0.029	0.010
Acid Soluble Manganese, AA	972.02b	261.11	1	0.386	0.030	0.043	1	0.386	0.030	0.043
Acid Soluble Manganese, ICP		261.30	22	0.367	0.021	0.008	21	0.367	0.021	0.007
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.369	0.022	0.004	2	0.369	0.022	0.004
Acid Soluble Manganese, Other		261.99	6	0.367	0.024	0.019	6	0.367	0.024	0.019
Method Group 261.XX PCT			40	0.366	0.023	0.011	39	0.365	0.023	0.010
Molybdenum, ICP		289.30	10	5.95	1.73	0.42	9	5.72	1.64	0.24
Molybdenum, Other		289.99	1	6.82	0.14	0.20	1	6.82	0.14	0.20
Method Group 289.XX PPM			11	6.03	1.67	0.40	10	5.83	1.59	0.24
Nickel, Atomic Absorption		291.00	1	44.00	1.41	2.00	1	44.00	1.41	2.00
Nickel, ICP		291.30	9	38.96	2.88	1.41	9	38.96	2.88	1.41
Method Group 291.XX PPM			10	39.46	3.16	1.47	10	39.46	3.16	1.47
Selenium, ICP		301.30	2	6.72	4.48	1.20	2	6.72	4.48	1.20
Selenium, Other		301.99	1	0.53	0.06	0.09	1	0.53	0.06	0.09
Method Group 301.XX PPM			3	4.66	4.71	0.83	3	4.66	4.71	0.83
Sodium, Other		311.99	6	0.24	0.05	0.00	5	0.22	0.01	0.00
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	9	0.398	0.012	0.006	9	0.398	0.012	0.006
Acid Soluble Zinc, ICP		321.30	28	0.412	0.032	0.008	26	0.414	0.032	0.006

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Acid Soluble Zinc, Other .....		321.99	4	0.417	0.016	0.003	4	0.417	0.016	0.003
Method Group 321.XX PCT			41	0.410	0.028	0.007	37	0.410	0.028	0.005
Water Soluble Zinc, Atomic Absorption .		325.00	1	0.480	0.000	0.000	1	0.480	0.000	0.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index			
Meth: 001.10 PCT														
Ammoniacal Nitrogen														
MgO Distillation	292	16.57 s	6.81									Meth: 010.60 PCT		
444	15.15	1.29										Total Nitrogen		
415	15.08	1.01										Combustion		
232	14.99	.65										096	16.30	.25
090	14.93	.41										409	16.26	.24
351	14.83	.07										007	16.25	.23
Avg	14.82											232	16.29	.20
324	14.60	-1.19										037	16.25	.16
029	14.58	-1.20										024	16.28	.15
309	14.43	-0.96										307	16.25	.14
029	14.58	-1.20										086	16.27	.14
234	14.46 R	-2.25										041	16.26	.09
230	13.70 s	-5.32										Avg	16.24	
230	13.70 s	-4.54										231	16.23	-.11
Meth: 002.20 PCT														
Nitrate Nitrogen														
Jones Modified	230	8.65 S	91.41									025	16.22	-.15
Other	029	1.24	.98									247	16.23	-.20
397	15.37 s	3.20										009	16.20	-.24
096	15.14	1.48										361	16.17	-.37
405	14.98	.64										022	16.24	-.44
409	14.96	.63										351	16.15	-.46
255	14.89	.19										095	16.24	-.51
Avg	14.87											102	16.14	-.54
394	14.85	-.34										055	16.12	-.61
027	14.65	-1.21										023	16.08	-.77
393	14.62	-1.37										106	16.10	-.82
Meth: 001.99 PCT														
Ammoniacal Nitrogen														
Other	232	1.20	1.30									234	16.04	-.97
397	15.37 s	3.20										426	16.04	-.98
096	15.14	1.48										451	16.05 X	-1.12
405	14.98	.64										262	16.00	-1.14
409	14.96	.63										325	15.90	-1.67
255	14.89	.19										360	15.93 R	-1.69
Avg	14.87											444	15.83	-1.95
394	14.85	-.34										369	15.82	-2.00
027	14.65	-1.21										393	15.81	-2.03
393	14.62	-1.37										230	15.80	-2.07
Meth: 002.99 PCT														
Nitrate Nitrogen														
Jones Modified	230	8.65 S	91.41									114	15.20 s	-4.89
Other	029	1.24	.98									324	15.10 s	-5.35
397	15.37 s	3.20												
096	15.14	1.48												
405	14.98	.64												
409	14.96	.63												
255	14.89	.19												
Avg	14.87													
394	14.85	-.34												
027	14.65	-1.21												
393	14.62	-1.37												
Meth: 009.99 PCT														
Ammon & Nitrate N														
Other	393	15.63	.71											
029	1.24	.98												
351	1.12	-.74												
Meth: 009.10 PCT														
Ammon & Nitrate N														
Jones Modified	090	16.58	1.06											
Other	200	16.56	1.03											
397	15.37 s	3.20												
096	15.14	1.48												
405	14.98	.64												
409	14.96	.63												
255	14.89	.19												
Avg	14.87													
394	14.85	-.34												
027	14.65	-1.21												
393	14.62	-1.37												
Meth: 009.12 PCT														
Total Nitrogen														
Modified Comprehensive	309	15.73	-1.65											
Other	028	16.67	1.97											
397	15.37 s	3.20												
096	15.14	1.48												
405	14.98	.64												
409	14.96	.63												
255	14.89	.19												
Avg	14.87													
394	14.85	-.34												
027	14.65	-1.21												
393	14.62	-1.37												
Meth: 010.11 PCT														
Total Nitrogen														
Modified Comprehensive	040	16.34	.42											
Other	040	16.34	.42											
397	15.37 s	3.20												
096	15.14	1.32												
415	15.08	1.08												
232	14.99	.66												
405	14.98	.62												
409	14.96	.60												
090	14.93	.38												

\* 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: 010.99 PCT																		
Total Nitrogen																		
Other			409	16.26	.36	Meth: 010.XX PCT									Total Phosphate	041	6.95 s	18.37
354	16.25	1.39	024	16.28	.35	Total Nitrogen									Total Phosphate	444	4.37 s	3.86
Avg	16.06		086	16.27	.34	Total Nitrogen									Spectrometric	422	4.13	2.53
422	16.05	-.21	007	16.25	.33	Total Nitrogen									420	3.23	-2.82	
255	16.05	-.28	041	16.26	.28	Total Nitrogen									Meth: 020.40 PCT	428	3.98	1.66
402	15.90	-1.20	307	16.25	.27	Total Nitrogen									Total Phosphate	030	3.90 R	1.65
420	14.79 S	-9.54	037	16.25	.26	Total Nitrogen									Automated	450	3.87 R	1.54
Meth: 010.XX PCT																		
Total Nitrogen																		
428	17.70 s	7.11	397	16.25	.26	Meth: 020.10 PCT									406	3.88	1.08	
255	16.74 R	2.62	247	16.23	.23	Total Phosphate									444	3.77 R	1.07	
028	16.67	2.20	354	16.25	.21	Grav Quimociac									425	3.85	.97	
390	16.65	2.13	231	16.23	.13	Total Phosphate									114	3.81	.84	
043	16.51 R	1.76	025	16.22	.09	Grav Quimociac									369	3.80	.65	
027	16.57	1.72	Avg	16.20		Total Phosphate									096	3.80	.63	
137	16.54	1.61	009	16.20	-.08	Total Phosphate									415	3.78	.52	
394	16.53	1.56	415	16.17	-.16	Total Phosphate									390	3.76	.42	
177	16.45	1.16	361	16.17	-.19	Total Phosphate									432	3.72	.39	
406	16.45	1.15	211	16.16	-.23	Total Phosphate									292	3.75	.37	
450	16.43	1.06	351	16.15	-.28	Total Phosphate									234	3.70	.19	
057	16.42	1.05	102	16.14	-.38	Meth: 020.20 PCT									309	3.71	.15	
029	16.41	1.01	055	16.12	-.43	Total Phosphate									451	3.71 X	.12	
157	16.36	.75	023	16.08	-.59	Total Phosphate									Avg	3.69		
296	16.36	.75	416	16.06	-.68	Spectrometric									394	3.68	-.06	
040	16.34	.63	106	16.10	-.68	Total Phosphate									416	3.66	-.17	
425	16.33	.61	029	16.06	-.70	Total Phosphate									324	3.65	-.21	
136	16.33	.60	255	16.05	-.75	Total Phosphate									090	3.65	-.30	
049	16.25	.57	422	16.05	-.75	Total Phosphate									247	3.63	-.31	
162	16.32	.56	322	16.04	-.78	Meth: 020.99 PCT									405	3.63	-.33	
095	16.24	.55	234	16.04	-.79	Total Phosphate									232	3.63	-.33	
233	16.31	.49	426	16.04	-.80	Total Phosphate									095	3.66	-.35	
022	16.24	.48	262	16.00	-.96	Total Phosphate									231	3.62	-.44	
131	16.30	.47	451	16.05 R	-.98	Total Phosphate									177	3.61	-.46	
405	16.30	.46	185	15.97	-1.14	Total Phosphate									402	3.60	-.48	
096	16.30	.44	402	15.90	-1.43	Total Phosphate									361	3.59	-.54	
377	16.27	.40	325	15.90	-1.51	Total Phosphate									169	3.59 X	-.57	
232	16.29	.40	360	15.93 R	-1.55	Total Phosphate									409	3.59	-.74	
			444	15.83	-1.79	Total Phosphate									200	3.56	-.74	
			073	15.84	-1.80	Total Phosphate									157	3.52	-.99	
			369	15.82	-1.84	Total Phosphate									007	3.54	-1.03	

\* 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: 020.XX PCT														
<u>Total Phosphate</u>														
393	3.49	-1.13										Meth: 041.10 PCT		
255	3.42	-1.50										Dir Available Phosph		
420	3.23	-2.57										Grav Quimociac		
Meth: 030.10 PCT														
<u>Insoluble Phosphate</u>														
090	0.03	.87										Meth: 041.20 PCT		
Avg	0.03											Dir Available Phosph		
405	0.02	-.87										<u>Spectrometric</u>		
Meth: 040.50 PCT														
<u>InDir Available Phos</u>														
ICP												055	3.79	.87
255	3.42	-.71										Avg	3.56	
Meth: 040.XX PCT														
<u>InDir Available Phos</u>														
394	3.68	.98										262	3.33	-.87
409	3.58	.92										Meth: 041.40 PCT		
090	0.11	.59										Dir Available Phosph		
409	0.02	-.87										<u>Automated</u>		
Meth: 041.10 PCT														
<u>Dir Available Phosph</u>														
ICP												027	3.62	.76
255	3.42	-1.52										025	3.61	.56
Meth: 041.50 PCT														
<u>Grav Quimociac</u>														
322	4.04 s	4.42										Avg	3.58	
137	3.84	2.23										131	3.51	-1.27
022	3.78 R	2.22										029	3.55 R	-2.98
185	3.75	1.42										Meth: 041.60 PCT		
211	3.70	.73										Dir Available Phosph		
057	3.67	.72										<u>EDTA Extract</u>		
055	3.66	.42										028	3.94 S	3.66
029	3.67	.41										397	3.84	2.44
233	3.65	.33										037	3.67 R	1.03
136	3.63	.22										043	3.65	.08
Avg	3.63											Avg	3.64	
009	3.62	-.07										296	3.63	-.16
296	3.61	-.24										024	3.62	-.35
405	3.61	-.28										073	3.62	-.38
086	3.58	-.57										351	3.61	-.46
Meth: 041.60 PCT														
<u>Dir Available Phosph</u>														
ICP												057	3.62	-.46
255	3.42	-.71										106	3.57	-.91
Meth: 041.99 PCT														
<u>Other</u>														
230	3.19 S	.00										Meth: 041.10 PCT		
Meth: 041.10 PCT														
<u>Dir Available Phosph</u>														
ICP												022	3.78 R	2.21
322	4.04 s	4.30										055	3.79	1.83
131	3.51	-1.27										185	3.75	1.51
029	3.55 R	-2.98										037	3.67 R	1.02
Meth: 041.20 PCT														
<u>Grav Quimociac</u>														
322	4.04 s	4.42										211	3.70	.89
137	3.84	2.23										057	3.67	.80
022	3.78 R	2.22										029	3.67	.59
185	3.75	1.42										055	3.66	.57
211	3.70	.73										022	3.66	.55
057	3.67	.72										233	3.65	.48
055	3.66	.42										043	3.65	.44
029	3.67	.41										377	3.64	.39
233	3.65	.33										136	3.63	.31
136	3.63	.22										057	3.62	.26
Avg	3.63											Meth: 048.10 PCT		
009	3.62	-.07										Water Soluble Phosph		
296	3.61	-.24										<u>Grav Quimociac</u>		
405	3.61	-.28										405	2.70	-.71
086	3.58	-.57										Meth: 048.20 PCT		
Meth: 041.10 PCT														
<u>Dir Available Phosph</u>														
ICP												Water Soluble Phosph		
322	4.04 s	4.42										<u>Spectrometric</u>		
137	3.84	2.23										420	3.08	.83
022	3.78 R	2.22										Meth: 041.60 PCT		
185	3.75	1.42										Dir Available Phosph		
211	3.70	.73										<u>EDTA Extract</u>		
057	3.67	.72										028	3.94 S	3.66
055	3.66	.42										397	3.84	2.44
029	3.67	.41										037	3.67 R	1.03
233	3.65	.33										043	3.65	.08
136	3.63	.22										Avg	3.64	
Avg	3.63											296	3.63	-.16
009	3.62	-.07										024	3.62	-.35
296	3.61	-.24										073	3.62	-.38
405	3.61	-.28										351	3.61	-.46
086	3.58	-.57										057	3.62	-.46
Meth: 041.20 PCT														
<u>Grav Quimociac</u>														
322	4.04 s	4.42										106	3.57	-.91
137	3.84	2.23										Meth: 041.99 PCT		
022	3.78 R	2.22										Dir Available Phosph		
185	3.75	1.42										<u>Other</u>		
211	3.70	.73										230	3.19 S	.00
057	3.67	.72										023	3.60	-.65
055	3.66	.42										049	3.53	-.84
029	3.67	.41										360	3.53	-.87
233	3.65	.33										131	3.51	-.95
136	3.63	.22										325	3.51	-.99
Avg	3.63											131	3.51	-1.00
009	3.62	-.07										354	3.48	-1.25
296	3.61	-.24										102	3.47	-1.43
405	3.61	-.28										393	3.45	-1.54
086	3.58	-.57										029	3.55 R	-1.67
Meth: 041.50 PCT														
<u>Dir Available Phosph</u>														
ICP												262	3.33	-2.72
322	4.04 s	4.42										230	3.19 s	-4.13
137	3.84	2.23										Meth: 048.10 PCT		
022	3.78 R	2.22										Water Soluble Phosph		
185	3.75	1.42										<u>Grav Quimociac</u>		
211	3.70	.73										405	2.70	-.71
057	3.67	.72										Meth: 048.20 PCT		
055	3.66	.42										Water Soluble Phosph		
029	3.67	.41										<u>Spectrometric</u>		
233	3.65	.33										420	3.08	.83
136	3.63	.22										Meth: 041.60 PCT		
Avg	3.63											Dir Available Phosph		
009	3.62	-.07										<u>EDTA Extract</u>		
296	3.61	-.24										028	3.94 S	3.66
405	3.61	-.28										397	3.84	2.44
086	3.58	-.57										037	3.67 R	1.03
Meth: 041.60 PCT														
<u>Dir Available Phosph</u>														
ICP												043	3.65	.08
322	4.04 s	4.42										Avg	3.64	
137	3.84	2.23										296	3.63	-.16
022	3.78 R	2.22										024	3.62	-.35
185	3.75	1.42										073	3.62	-.38
211	3.70	.73										351	3.61	-.46
057	3.67	.72										057	3.62	-.46
055	3.66	.42										106	3.57	-.91
029	3.67	.41										Meth: 041.99 PCT		
233	3.65	.33										Dir Available Phosph		
136	3.63	.22										<u>Other</u>		
Avg	3.63											230	3.19 S	.00
009	3.62	-.07										023	3.60	-.65
296	3.61	-.24										049	3.53	-.84
405	3.61	-.28										360	3.53	-.87
086	3.58	-.57										131	3.51	-.95
Meth: 041.99 PCT														
<u>Dir Available Phosph</u>														
ICP												325	3.51	-.99
322	4.04 s	4.42										131	3.51	-1.00
137	3.84	2.23										354	3.48	-1.25
022	3.78 R	2.22										102	3.47	-1.43
185	3.75	1.42										393	3.45	-1.54
211	3.70	.73										029	3.55 R	-1.67
057	3.67	.72										262	3.33	-2.72
055	3.66	.42										230	3.19 s	-4.13
029	3.67	.41										Meth: 048.10 PCT		
233	3.65	.33										Water Soluble Phosph		
136	3.63	.22										<u>Grav Quimociac</u>		
Avg	3.63											405	2.70	-.71
009	3.62	-.07										Meth: 048.20 PCT		
296	3.61	-.24										Water Soluble Phosph		
405	3.61	-.28										<u>Spectrometric</u>		
086	3.58	-.57										420	3.08	.83

\* 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: 048.20 PCT											
Water Soluble Phosph											
Spectrometric											
Avg	2.98										
096	2.87	- .90									
Meth: 048.XX PCT											
Water Soluble Phosph											
Spectrometric											
420	3.08	.96									
Avg	2.88										
096	2.87	- .29									
405	2.70	-1.22									
Meth: 050.00 PCT											
Soluble Potash											
STPB Oxalate											
102	9.66 s	10.91									
090	8.10	1.72									
095	8.07	1.53									
009	7.87	.87									
416	7.95	.85									
233	7.89	.48									
049	7.88	.44									
043	7.82	.16									
Avg											
211	7.73	-.46									
057	7.73	-.49									
022	7.78	-.77									
029	7.65	-.94									
231	7.61	-1.15									
041	7.61	-1.17									
055	7.62	-1.29									
230	5.70 s	-12.41									
Meth: 050.10 PCT											
Soluble Potash											
STPB Citrate											
444	7.80	.71									
Avg	7.80										
322	5.89 S	-7.95									
Meth: 050.30 PCT											
Soluble Potash											
AA (Oxalate)											
369	8.13	1.41									
073	8.05	1.21									
040	7.79	.56									
451	7.78 X	.51									
234	7.75	.44									
137	7.74	.41									
136	7.67	.23									
Avg	7.58										
351	7.50	-.20									
262	7.37	-.56									
185	7.30	-.75									
397	7.21	-.94									
425	6.68	-2.29									
Meth: 050.31 PCT											
Soluble Potash											
AA (Citrate)											
095	8.64	.71									
Meth: 050.50 PCT											
Soluble Potash											
ICP (Oxalate)											
426	8.61	1.86									
106	7.99	.30									
Avg	7.86										
292	7.84	-.10									
324	7.72	-.41									
420	7.67	-.48									
444	7.37	-1.24									
Meth: 050.51 PCT											
Soluble Potash											
ICP (Citrate)											
432	8.96 s	5.18									
023	8.15	1.63									
009	7.96	1.02									
007	7.82	.58									
Meth: 050.51 PCT											
Soluble Potash											
ICP (Citrate)											
025	8.04	.87									
009	7.96 R	.78									
106	7.99	.69									
030	7.80 R	.64									
416	7.95	.59									
444	7.80 R	.54									
Meth: 050.51 PCT											
Soluble Potash											
ICP (Citrate)											
025	8.04	.87									
009	7.96 R	.78									
106	7.99	.69									
030	7.80 R	.64									
416	7.95	.59									
444	7.80 R	.54									
Meth: 050.51 PCT											
Soluble Potash											
ICP (Citrate)											
025	8.04	.87									
009	7.96 R	.78									
106	7.99	.69									
030	7.80 R	.64									
416	7.95	.59									
444	7.80 R	.54									
Meth: 050.51 PCT											
Soluble Potash											
ICP (Citrate)											
025	8.04	.87									
009	7.96 R	.78									
106	7.99	.69									
030	7.80 R	.64									
416	7.95	.59									
444	7.80 R	.54									

\* 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.XX PCT														
<u>Soluble Potash</u>														
402	7.56	- .69												
309	7.53	- .75												
351	7.50	- .82												
029	7.48	- .88												
200	7.47	- .92												
390	7.43	- 1.05												
393	7.39	- 1.19												
394	7.38	- 1.21												
444	7.37	- 1.25												
262	7.37	- 1.26												
260	7.39 R	- 1.33												
185	7.30	- 1.48												
255	7.29	- 1.50												
232	7.27	- 1.55												
397	7.21	- 1.74												
405	6.96	- 2.53												
425	6.68 A	- 3.39												
322	5.89 s	- 5.87												
230	5.70 s	- 6.51												
Meth: 060.00 PCT														
Free Water														
<u>Vacuum Oven</u>														
096	0.36	1.14												
416	0.38	.54												
405	0.37	.48												
Avg	0.34													
007	0.26	- 1.29												
Meth: 101.30 PCT														
<u>Acid Soluble Calcium</u>														
393	0.56 s	3.76												
390	0.50	1.86												
096	0.49	1.45												
057	0.46 R	.81												
420	0.46	.59												
009	0.45	.34												
106	0.45	.33												
065	0.44	.28												
131	0.44	.20												
433	0.44	.19												
307	0.44	.17												
102	0.44	.10												
Avg	0.43													
394	0.43	- .13												
394	0.43	- .70												
022	0.40	- .99												
022	0.40	- .99												
292	0.34	- 2.71												
Meth: 101.70 PCT														
<u>Acid Soluble Calcium</u>														
415	0.78 S	.00												
Meth: 101.99 PCT														
<u>Acid Soluble Calcium</u>														
422	1.29 S	.00												
Other														
422	1.29 S	.00												
Meth: 101.XX PCT														
<u>Acid Soluble Calcium</u>														
422	0.44	.19												
307	0.44	.17												
102	0.44	.10												
Avg	0.43													
394	0.43	- .13												
247	0.43	- .31												
027	0.42	- .46												
232	0.41	- .70												
022	0.40	- .99												
292	0.34	- 2.71												
Meth: 121.00 PCT														
<u>Acid Soluble Magnesi</u>														
200	1.20	2.14												
177	1.13	.85												
028	1.12	.77												
309	1.11	.50												
029	1.09	.37												
Avg	1.08													
095	1.07	- .09												
043	1.07	- .21												
137	1.06	- .29												
351	1.05	- .49												
397	1.05	- .55												
296	1.05 R	- .69												
262	1.00	- 1.32												
055	0.98	- 1.68												
Meth: 121.30 PCT														
<u>Acid Soluble Magnesi</u>														
422	1.14	1.08												
444	1.09 R	.87												
131	1.13	.82												
023	1.13	.80												
037	1.10	.23												
420	1.09	.10												
394	1.09	.10												
Avg	1.08													
057	1.08	- .08												
409	1.08	- .29												
360	1.08	- .29												
247	1.07	- .31												
102	1.06	- .34												
233	1.07	- .38												
292	1.05	- .65												
106	1.05	- .65												
009	1.04	- .72												
022	1.04	- .73												
324	1.04	- .75												
255	1.02	- 1.10												
065	1.02	- 1.10												
433	1.01	- 1.20												
232	1.01	- 1.30												
405	1.01	- 1.34												
230	0.87 A	- 3.71												
393	0.80 s	- 4.88												
Meth: 121.70 PCT														
<u>Acid Soluble Magnesi</u>														
415	1.29	.71												
Meth: 121.99 PCT														
<u>Acid Soluble Magnesi</u>														
415	1.29	.71												
Meth: 121.99 PCT														
<u>Acid Soluble Magnesi</u>														
422	1.59 s	7.69												
432	1.34 s	3.95												
415	1.29	3.19												
390	1.24	2.28												
200	1.20	1.75												
231	1.17	1.24												
027	1.16	1.16												
307	1.15	1.08												
426	1.15	.91												
354	1.14	.91												
444	1.09 R	.76												
131	1.13	.68												
023	1.13	.66												
177	1.13	.62												
028	1.12	.55												
309	1.11	.31												
029	1.09	.25												
037	1.10	.17												
Avg	1.09													
420	1.09	- .08												
394	1.09	- .08												
057	1.08	- .11												
095	1.07	- .21												
409	1.08	- .28												
360	1.08	- .28												
043	1.07	- .28												
247	1.07	- .32												
102	1.06	- .34												
233	1.07	- .37												
137	1.06	- .38												
351	1.05	- .56												
422	1.59 S	7.64												
422	1.59 S	7.64												

\* 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: 121.XX PCT														
<u>Acid Soluble Magnesi</u>														
397	1.05	-.61												
292	1.05	-.61												
106	1.05	-.61												
009	1.04	-.68												
022	1.04	-.69												
296	1.05	-.70												
324	1.04	-.70												
114	1.05 R	-.93												
065	1.02	-1.01												
255	1.02	-1.01												
433	1.01	-1.10												
232	1.01	-1.19												
405	1.01	-1.22												
262	1.00	-1.30												
055	0.98	-1.61												
230	0.87 A	-3.32												
393	0.80 s	-4.35												
Meth: 131.00 PCT														
<u>Water Soluble Magnes</u>														
AA														
029	1.04	-.71												
Meth: 131.30 PCT														
<u>Water Soluble Magnes</u>														
ICP														
027	0.97	.41												
Avg	0.94													
432	0.91	-1.16												
Meth: 131.XX PCT														
<u>Water Soluble Magnes</u>														
029	1.04	1.02												
Avg	0.97													
027	0.97	-.03												
432	0.91	-1.21												
Meth: 144.01 PCT														
<u>Sulfur</u>														
<u>Gravimetric</u>														
043	17.90	2.00												
262	17.55	1.14												
324	17.40	.76												
057	17.36	.72												
200	17.36	.66												
296	17.25	.58												
233	17.29	.49												
029	17.26	.42												
397	17.19	.36												
055	17.21	.28												
102	17.13	.10												
Avg	17.09													
028	17.05	-.16												
095	16.94	-.38												
114	16.77	-.89												
137	16.64	-1.13												
444	16.52	-1.43												
450	16.46	-1.62												
106	16.43	-1.67												
Meth: 144.02 PCT														
<u>Sulfur</u>														
<u>Gravimetric</u>														
073	16.90	.87												
Avg	16.28													
292	15.65	-.87												
Meth: 144.70 PCT														
<u>Sulfur</u>														
393	15.18	-.71												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												
Meth: 144.99 PCT														
<u>Sulfur</u>														
<u>Other</u>														
390	18.95 s	4.77												
307	17.86	2.40												

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 165.99 PCT											
Acid Soluble Boron											
Other											
432	0.065 s	3.34									
354	0.059	2.55									
405	0.045	.78									
360	0.045	.78									
394	0.043	.54									
444	0.042 R	.45									
433	0.041	.39									
409	0.041	.33									
255	0.041	.29									
106	0.040	.23									
324	0.040	.23									
Avg	0.038										
231	0.037	-.14									
393	0.034	-.57									
422	0.034	-.57									
232	0.032	-.73									
230	0.031	-.94									
009	0.026	-1.53									
043	0.025	-1.61									
Meth: 171.10 PCT											
Water Soluble Boron											
Spectrometric											
296	0.040	.00									
Meth: 171.99 PCT											
Water Soluble Boron											
Other											
027	0.041	.00									
Meth: 171.99 PCT											
Water Soluble Boron											
027	0.041	.87									
Avg	0.041										
296	0.040	-.87									
Meth: 181.00 PPM											
Cadmium											
Atomic Absorption											
200	3.00	.86									
Avg	2.08										
136	1.15	-.87									
Meth: 181.10 PCT											
Acid Soluble Boron											
262	0.115 s	9.17									
432	0.065 R	3.10									
397	0.060	2.44									
354	0.059	2.30									
137	0.050	1.21									
200	0.045 R	.85									
028	0.045	.54									
405	0.045	.54									
360	0.045	.54									
029	0.042	.33									
394	0.043	.29									
444	0.042	.25									
433	0.041	.14									
409	0.041	.10									
255	0.041	.08									
Meth: 165.99 PCT											
Acid Soluble Boron											
262	0.115 s	9.17									
432	0.065 R	3.10									
397	0.060	2.44									
354	0.059	2.30									
137	0.050	1.21									
200	0.045 R	.85									
028	0.045	.54									
405	0.045	.54									
360	0.045	.54									
029	0.042	.33									
394	0.043	.29									
444	0.042	.25									
433	0.041	.14									
409	0.041	.10									
255	0.041	.08									
Meth: 181.30 PPM											
Cadmium											
ICP											
324	5.05 s	4.86									
247	3.20	2.26									
009	2.55	1.30									
Avg	1.64										
102	1.64	-.02									
444	1.61	-.06									
232	1.55	-.25									
230	1.36	-.41									
096	1.40	-.45									
106	1.50 R	-.74									
065	1.10	-.78									
450	1.03	-.90									
405	1.00	-.92									
Meth: 181.99 PPM											
Cadmium											
Other											
422	6.09 s	1.40									
234	5.73	.84									
Avg	5.00										
009	4.96	-.43									
394	4.68	-.87									
397	4.64	-.95									
Meth: 190.00 PCT											
Water Soluble Chloride											
Titrimetric											
043	5.23	2.15									
444	5.07 R	1.62									
029	4.90	.75									
Avg	4.72										
102	4.68	-.17									
028	4.68	-.23									
057	4.67	-.24									
296	4.63	-.43									
055	4.58	-.65									
230	4.43	-1.25									
Meth: 190.99 PCT											
Water Soluble Chloride											
Other											
422	6.09 s	1.40									
234	5.73	.84									
Avg	5.00										
009	4.96	-.43									
394	4.68	-.87									
397	4.64	-.95									
Meth: 191.99 PPM											
Chromium											
Other											
409	99.90	-.71									
Meth: 191.99 PPM											
Chromium											
Other											
409	99.90	1.65									
390	99.30	1.57									
009	89.95	.63									
450	89.00	.57									
065	86.13	.25									
106	86.00	.22									
247	84.50	.09									
Avg	83.78										
037	82.20	-.17									
102	81.38	-.14									
232	80.30	-.25									
324	74.25	-.91									
444	71.75	-1.19									
405	64.50	-1.99									
027	32.67 s	-5.53									
230	31.75 s	-5.63									

\* 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.XX PPM												
<u>Chromium</u>												
232	80.30	-.36										
324	74.25	-.97										
444	71.75	-1.22										
405	64.50	-1.95										
027	32.67 s	-5.18										
230	31.75 s	-5.27										
Meth: 202.00 PPM												
<u>Acid Soluble Cobalt</u>												
AA			136	2.55	-1.79							
136	2.55	.71										
Meth: 202.30 PPM												
<u>Acid Soluble Cobalt</u>												
ICP			043	0.0013	.90							
405	23.00	1.38	095	0.0008	-.83							
057	22.55	1.29										
009	21.85	1.18										
065	17.26	.38										
Avg	15.08											
232	13.00	-.36										
247	13.00	-.36										
106	12.50	-.45										
324	11.30	-.66										
102	11.39	-.66										
230	4.97	-1.75										
Meth: 202.99 PPM												
<u>Acid Soluble Cobalt</u>												
Other			409	22.50	.71							
409	22.50	.71										
Meth: 202.XX PPM												
<u>Acid Soluble Cobalt</u>												
405	23.00	1.24										
409	22.50	1.16										
057	22.55	1.16										
009	21.85	1.07										
Meth: 202.XX PPM												
<u>Acid Soluble Cobalt</u>												
065	17.26	.38										
Avg	14.66											
247	13.00	-.24										
232	13.00	-.24										
106	12.50	-.33										
324	11.30	-.50										
102	11.39	-.51										
230	4.97	-1.43										
136	2.55	-1.79										
Meth: 221.99 PPM												
<u>Acid Soluble Copper</u>												
Other			422	0.0040	1.29							
422	0.0040	1.29	Avg	0.0023								
402	0.0020	-.21	402	0.0020	-.21							
409	0.0010	-.90	409	0.0010	-.90							
Meth: 221.XX PPM												
<u>Acid Soluble Copper</u>												
405	0.0119 s	17.36										
255	0.0045 R	5.57	422	0.0040 R	4.98							
422	0.0030	3.12	354	0.0030	3.12							
402	0.0020	1.52	402	0.0020	1.52							
043	0.0013	.43	043	0.0013	.43							
Avg	0.0011		Avg	0.0011								
444	0.0010	-.08	444	0.0010	-.08							
230	0.0010	-.08	230	0.0010	-.08							
409	0.0010	-.18	409	0.0010	-.18							
450	0.0009	-.24	450	0.0009	-.24							
324	0.0010	-.29	324	0.0010	-.29							
057	0.0009	-.32	057	0.0009	-.32							
095	0.0008	-.40	095	0.0008	-.40							
354	0.0030 A	10.03	232	0.0008	-.40							
324	0.0010 R	1.01	433	0.0008	-.43							
230	0.0010	.98	065	0.0008	-.44							
444	0.0010	.98	247	0.0008	-.46							
450	0.0009	.52	102	0.0008	-.49							
057	0.0009	.34	009	0.0002	-1.36							
232	0.0008	.07										
433	0.0008	.07										
Avg	0.0008	-.05										
102	0.0008	-.27										
247	0.0008	-.34										
009	0.0002	-2.64										
Meth: 241.00 PPM												
<u>Acid Soluble Iron</u>												
137	2.85	1.68										
055	2.76 R	1.41	102	2.42 R	-.97							
095	2.77	1.20	231	2.32	-1.03							
397	2.70	.84	444	2.27	-1.19							
Avg	2.57		405	2.16	-1.56							
043	2.54	-.23	230	1.80	-2.75							
Meth: 241.30 PPM												
<u>Acid Soluble Iron</u>												
ICP			292	1.39 S	-4.09							
292	1.39 S	-4.09	023	1.22 s	-4.65							
023	1.22 s	-4.65	247	0.67 s	-6.48							
247	0.67 s	-6.48										
Meth: 241.99 PPM												
<u>Acid Soluble Iron</u>												
Other			422	3.04	1.17							
422	3.04	1.17	Avg	2.59								
234	2.54	-.29	234	2.54	-.29							
402	2.20	-1.02	402	2.20	-1.02							
042	0.23 S	-6.15	042	0.23 S	-6.15							
Meth: 241.XX PPM												
<u>Acid Soluble Iron</u>												
432	3.13 R	2.23										
422	3.04	1.69										
114	3.00	1.52										
390	2.97	1.43										
354	2.96	1.39										
106	2.96	1.35										
324	2.87	.99										
137	2.85	.90										
360	2.83	.85										
055	2.76	.78										
096	2.79	.66										
027	2.79	.65										
095	2.77	.57										
233	2.74	.52										
426	2.76	.51										
255	2.74	.49										
009	2.73	.37										
131	2.71	.28										
057	2.67	.16										
409	2.66	.12										
Avg	2.63											
232	2.47	-.53										
433	2.44	-.60										
307	2.62 R	-.72										
065	2.40	-.76										
394	2.36	-.88										
102	2.42 R	-.97										
231	2.32	-1.03										
444	2.27	-1.19										
405	2.16	-1.56										
230	1.80	-2.75										

\* 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: 241.XX PCT														
<u>Acid Soluble Iron</u>														
296	2.57	-0.34										Meth: 261.11 PCT		
351	2.55	-0.36										Acid Soluble Manganese		
043	2.54	-0.41										ICP		
177	2.53	-0.43										324	0.389	0.87
234	2.54	-0.57										Avg	0.369	0.20
262	2.51	-0.60										394	0.350	-0.86
232	2.47	-0.71										Meth: 261.99 PCT		
433	2.44	-0.79										Acid Soluble Manganese		
028	2.44	-0.82										AA	0.386	0.71
307	2.62 R	-0.90										029	0.386	0.71
065	2.40	-0.99										Lead		
394	2.36	-1.15										Other		
102	2.42 R	-1.24										409	0.403	1.62
231	2.32	-1.33										402	0.383	0.67
029	2.27	-1.50										042	0.370	0.29
444	2.27	-1.54										Avg	0.367	0.29
402	2.20	-1.81										255	0.353	-0.74
405	2.16	-1.99										422	0.348	-0.95
230	1.80 A	-3.49										037	0.346	-0.95
292	1.39 s	-5.17										Meth: 261.XX PCT		
023	1.22 s	-5.88										Acid Soluble Manganese		
247	0.67 s	-8.17										432	0.485 s	5.88
042	0.23 s	-10.00										397	0.414	2.11
Meth: 251.00 PPM														
<u>Lead</u>														
136	4.90	0.91										409	0.403	1.73
Avg	3.45											114	0.400	1.49
200	2.00	-0.82										029	0.386 R	1.29
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										354	0.391	1.09
Avg	3.45											324	0.389	1.01
200	2.00	-0.82										027	0.385	0.83
Meth: 251.30 PPM														
<u>Atomic Absorption</u>														
136	4.90	0.91										043	0.385	0.83
Avg	3.45											009	0.382	0.82
200	2.00	-0.82										390	0.383	0.76
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										402	0.383	0.75
Avg	3.45											360	0.382	0.73
200	2.00	-0.82										096	0.375	0.70
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										426	0.380	0.63
Avg	3.45											102	0.379	0.60
200	2.00	-0.82										131	0.377	0.56
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										233	0.370	0.51
Avg	3.45											055	0.375	0.47
200	2.00	-0.82										231	0.374	0.37
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										Meth: 289.30 PPM		
Avg	3.45											Molybdenum		
200	2.00	-0.82										ICP		
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										106	8.00 R	1.52
Avg	3.45											324	7.50	1.09
200	2.00	-0.82										247	7.05	0.81
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										057	7.00	0.79
Avg	3.45											232	6.55	0.53
200	2.00	-0.82										065	6.12	0.25
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										Avg	5.72	-0.10
Avg	3.45											102	5.69	-0.10
200	2.00	-0.82										433	5.38	-0.21
Meth: 251.30 PPM														
<u>Lead</u>														
136	4.90	0.91										009	3.95	-1.08
Avg	3.45											230	2.26	-2.11
200	2.00	-0.82												

\* 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: 289.99 PPM												
Molybdenum												
Other			136	44.00	1.47	Meth: 311.99 PCT						Meth: 321.30 PCT
409	6.82	-.71	444	42.72	1.24	Sodium						Acid Soluble Zinc
Meth: 289.99 PCT												
Molybdenum												
450			450	42.00	.87	Other						ICP
247	41.25	.57	232	41.25	-1.74	Avg						Avg
009	40.00	.42	Meth: 321.00 PCT			Acid Soluble Zinc						027
Avg	39.46		Acid Soluble Zinc			Atomic Absorption						027
324	7.50	1.06	029	0.460 s	6.66	029						027
247	7.05	.77	055	0.410	1.28	055						027
057	7.00	.75	351	0.412	1.11	351						027
409	6.82	.63	177	0.409	.86	177						027
232	6.55	.48	028	0.409	.85	028						027
065	6.12	.19	Avg	0.398		Avg						027
Avg	5.83		043	0.396	-.21	043						027
102	5.69	-.14	397	0.396	-.52	397						027
433	5.38	-.29	095	0.387	-.96	095						027
009	3.95	-1.18	262	0.385	-1.20	262						027
230	2.26	-2.25	296	0.384	-1.22	296						027
Meth: 291.00 PPM												
Nickel												
136	44.00	.71	Meth: 321.30 PCT			Meth: 321.99 PCT						027
Atomic Absorption												
409			Acid Soluble Zinc			Other						027
Meth: 291.30 PPM												
Nickel												
ICP			432	0.585 s	5.42	ICP						027
444	42.72	1.50	394	0.470	1.78	394						027
450	42.00	1.11	106	0.465	1.63	106						027
247	41.25	.80	426	0.448	1.10	426						027
009	40.00	.55	390	0.446	1.01	390						027
Avg	38.96		354	0.446	1.01	354						027
065	38.88	-.08	057	0.439	.80	057						027
106	37.50	-.53	102	0.437	.74	102						027
102	37.14	-.64	307	0.422	.45	307						027
037	37.07	-.68	324	0.428	.44	324						027
232	34.05	-1.70	131	0.426	.43	131						027
Meth: 311.99 PCT												
Sodium												
422	0.35 R	10.12	Meth: 321.30 PCT			Meth: 321.99 PCT						027
292	0.23	.92	Acid Soluble Zinc			Other						027
102	0.23	.59	114	0.440	1.43	114						027
057	0.22	.48	402	0.420	.17	402						027
Meth: 291.30 PPM												
Nickel												
ICP			Avg	0.417		Avg						027
444	42.72	1.50	042	0.410	-.51	042						027
450	42.00	1.11	422	0.400	-1.08	422						027
247	41.25	.80	Meth: 321.30 PCT			Meth: 321.99 PCT						027
009	40.00	.55	Acid Soluble Zinc			Other						027
Avg	38.96		114	0.440	1.43	114						027
065	38.88	-.08	402	0.420	.17	402						027
106	37.50	-.53	Avg	0.417		Avg						027
102	37.14	-.64	042	0.410	-.51	042						027
037	37.07	-.68	422	0.400	-1.08	422						027
232	34.05	-1.70	Meth: 321.30 PCT			Meth: 321.99 PCT						027
Acid Soluble Zinc												
009	0.135 s	-9.74	Acid Soluble Zinc			Acid Soluble Zinc						027
Meth: 291.00 PPM												
Nickel												
136	44.00	.71	Acid Soluble Zinc			Other						027
Meth: 291.30 PPM												
Nickel												
ICP			114	0.440	1.43	114						027
444	42.72	1.50	402	0.420	.17	402						027
450	42.00	1.11	Avg	0.417		Avg						027
247	41.25	.80	042	0.410	-.51	042						027
009	40.00	.55	422	0.400	-1.08	422						027
Avg	38.96		Meth: 321.30 PCT			Meth: 321.99 PCT						027
065	38.88	-.08	Acid Soluble Zinc			Acid Soluble Zinc						027
106	37.50	-.53	Other			Other						027
102	37.14	-.64	114	0.440	1.43	114						027
037	37.07	-.68	402	0.420	.17	402						027
232	34.05	-1.70	Avg	0.417		Avg						027
Meth: 311.99 PCT												
Sodium												
422	0.35 R	10.12	Acid Soluble Zinc			Acid Soluble Zinc						027
292	0.23	.92	432	0.585 s	6.21	432						027
102	0.23	.59	029	0.460 s	2.52	029						027
057	0.22	.48	394	0.470	2.12	394						027
Meth: 311.99 PCT												
Sodium												
422	0.35 R	10.12	Acid Soluble Zinc			Acid Soluble Zinc						027
292	0.23	.92	106	0.465	1.95	106						027
102	0.23	.59	426	0.448	1.35	426						027
057	0.22	.48	390	0.446	1.25	390						027
Meth: 321.30 PCT												
Acid Soluble Zinc												
409	0.135 s	-9.74	354	0.446	1.25	354						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	114	0.440	1.05	114						027
402	0.420	.17	057	0.439	1.13	057						027
Avg	0.417		Meth: 321.30 PCT			Meth: 321.99 PCT						027
042	0.410	-.51	Acid Soluble Zinc			Acid Soluble Zinc						027
422	0.400	-1.08	Other			Other						027
Meth: 321.30 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027
Meth: 321.99 PCT												
Acid Soluble Zinc												
114	0.440	1.43	Acid Soluble Zinc			Acid Soluble Zinc						027
402	0.420	.17	Other			Other						027
Avg	0.417		114	0.440	1.43	114						027
042	0.410	-.51	402	0.420	.17	402						027
422	0.400	-1.08	Avg	0.417		Avg						027

Laboratory Averages & Accuracy Indexes

<u>Lab</u> <u>Average*</u> <u>Index</u>	<u>Lab</u> <u>Average*</u> <u>Index</u>	<u>Lab</u> <u>Average*</u> <u>Index</u>	<u>Lab</u> <u>Average*</u> <u>Index</u>
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Meth: 325.00 PCT			
Water Soluble Zinc			
<u>Atomic Absorption</u>			
137 0.480			.00

\* 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	11	0.09	2.74	0.53	050.99	16	- 0.05	0.99	0.18
001.99	8	0.34	1.34	0.63	050.XX	67	- 0.11	1.72	0.30
001.XX	19	0.17	2.46	0.58	060.00	4	0.00	0.86	0.56
002.20	3	30.47	52.77	1.04	060.XX	4	0.00	0.86	0.56
002.99	4	0.00	1.08	0.07	101.30	18	0.25	1.30	0.18
002.XX	7	15.89	41.19	0.81	101.XX	20	1.94	5.84	0.19
009.10	6	0.00	1.04	0.10	121.00	13	- 0.04	0.98	0.18
009.XX	7	0.00	1.03	0.11	121.30	31	- 0.13	1.65	0.29
010.11	6	- 0.19	1.05	0.20	121.99	3	8.02	8.22	0.73
010.12	5	0.00	1.05	0.14	121.XX	48	0.43	3.02	0.30
010.60	55	- 0.07	1.66	0.30	131.30	2	0.00	0.57	0.77
010.99	5	- 1.90	4.36	0.28	131.XX	3	0.00	0.76	0.67
010.XX	69	- 0.13	1.75	0.35	144.01	18	0.00	0.99	0.20
020.10	6	9.00	17.62	0.49	144.02	2	0.00	1.22	0.04
020.20	19	0.13	1.02	0.42	144.99	20	- 0.03	1.74	0.25
020.40	4	0.00	0.93	0.48	144.XX	41	- 0.02	1.28	0.17
020.50	7	0.05	0.96	0.30	151.30	4	0.00	0.74	0.68
020.99	4	0.00	1.02	0.30	151.XX	6	- 0.14	0.93	0.87
020.XX	39	0.58	3.10	0.44	165.00	10	0.961	3.124	0.329
030.10	2	0.00	1.22	0.00	165.99	18	0.205	1.228	0.160
030.40	2	0.00	1.22	0.03	165.XX	28	0.456	2.034	0.221
030.XX	5	- 0.11	0.97	0.02	171.XX	2	0.000	1.225	0.000
040.40	3	0.00	0.70	0.71	181.00	2	0.00	1.22	0.10
040.XX	5	0.00	0.93	0.45	181.30	12	0.39	1.68	0.27
041.10	18	0.34	1.42	0.45	181.XX	15	0.28	1.51	0.24
041.20	2	0.00	1.22	0.03	190.00	9	0.17	1.08	0.23
041.40	4	- 0.13	0.93	1.48	190.99	5	0.00	1.06	0.06
041.50	10	0.06	0.96	0.36	190.XX	14	0.31	1.35	0.14
041.60	10	0.39	1.44	0.44	191.30	14	- 0.80	2.23	0.10
041.XX	37	0.09	1.48	0.42	191.XX	15	- 0.70	2.07	0.10
048.20	2	0.00	1.10	0.38	202.30	10	0.00	1.02	0.10
048.XX	3	0.00	0.91	0.53	202.XX	12	0.00	1.02	0.09
050.00	16	- 0.09	4.33	0.54	221.00	2	0.0000	1.1785	0.2357
050.10	2	- 3.97	5.62	0.50	221.30	14	5.5645	13.841	0.6535
050.30	12	0.00	1.01	0.14	221.99	3	0.0000	1.0169	0.3793
050.50	6	0.00	1.04	0.12	221.XX	19	1.4519	4.2765	0.4191
050.51	9	0.55	1.89	0.57	241.00	11	0.10	1.01	0.34
050.60	7	0.00	1.04	0.05	241.30	29	- 0.49	1.88	0.25
050.61	7	0.05	0.95	0.45	241.99	4	- 1.54	3.20	0.14

## 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
241.XX	44	- 0.72	2.44	0.29					
251.00	2	0.00	1.16	0.28					
251.30	7	0.00	1.02	0.17					
251.XX	10	0.00	1.01	0.18					
261.00	10	- 1.126	3.683	0.211					
261.30	23	0.262	1.501	0.699					
261.31	2	0.000	1.215	0.110					
261.99	6	0.000	0.938	0.428					
261.XX	42	- 0.194	2.537	0.534					
289.30	10	0.14	1.06	0.21					
289.XX	11	0.12	1.05	0.21					
291.30	9	0.00	0.97	0.32					
291.XX	10	0.00	0.98	0.30					
301.30	2	0.00	1.21	0.13					
301.XX	3	0.00	1.11	0.10					
311.99	6	1.68	4.23	0.32					
311.XX	6	1.68	4.23	0.32					
321.00	10	0.511	1.850	1.396					
321.30	30	- 0.156	2.133	0.195					
321.99	4	0.000	1.074	0.097					
321.XX	44	- 0.062	2.011	0.335					