

- Pass 1 Results for 69 Labs - - Pass 2 Results for 69 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	8	10.89	0.40	0.11	7	10.80	0.33	0.06
Ammoniacal Nitrogen, Other .....		001.99	6	11.04	0.14	0.10	5	11.04	0.08	0.01
Method Group 001.XX PCT			14	10.95	0.32	0.11	12	10.90	0.28	0.04
Nitrate Nitrogen, Other .....		002.99	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Ammon & Nitrate N, Devarda .....	892.01	009.10	3	10.66	0.37	0.41	3	10.66	0.37	0.41
Ammon & Nitrate N, Other .....		009.99	1	10.65	0.01	0.01	1	10.65	0.01	0.01
Method Group 009.XX PCT			4	10.66	0.31	0.31	4	10.66	0.31	0.31
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	11.18	0.11	0.08	6	11.17	0.08	0.03
Total Nitrogen, Salicylic .....	955.04D	010.12	4	11.12	0.22	0.05	3	11.02	0.13	0.01
Total Nitrogen, Combustion .....		010.60	46	11.05	0.17	0.11	45	11.05	0.17	0.10
Method Group 010.XX PCT			57	11.07	0.17	0.10	55	11.07	0.17	0.09
Total Phosphate, Grav Quimociac .....	962.02	020.10	10	51.61	0.34	0.23	10	51.61	0.34	0.23
Total Phosphate, Spectrometric .....	958.01	020.20	12	51.73	0.47	0.22	11	51.73	0.48	0.17
Total Phosphate, Alka Quimociac .....	969.02	020.30	1	51.99	0.05	0.07	1	51.99	0.05	0.07
Total Phosphate, Automated .....	978.01	020.40	5	51.45	0.43	0.31	4	51.29	0.13	0.13
Total Phosphate, ICP .....		020.50	9	51.61	0.49	0.36	8	51.60	0.39	0.17
Total Phosphate, Other .....		020.99	1	52.45	0.74	1.05	1	52.45	0.74	1.05
Method Group 020.XX PCT			38	51.66	0.46	0.29	35	51.62	0.40	0.20
Insoluble Phosphate, Spectrometric ....	963.03C	030.20	3	0.20	0.12	0.04	3	0.20	0.12	0.04
Insoluble Phosphate, Automated .....	978.01	030.40	1	0.08	0.01	0.01	1	0.08	0.01	0.01
Insoluble Phosphate, Other .....		030.99	1	0.24	0.04	0.05	1	0.24	0.04	0.05
Method Group 030.XX PCT			5	0.18	0.11	0.03	5	0.18	0.11	0.03
InDir Available Phosphate, Spectrometri	960.02	040.20	3	51.11	0.18	0.10	3	51.11	0.18	0.10
InDir Available Phosphate, Automated ..	960.02	040.40	1	51.27	0.14	0.20	1	51.27	0.14	0.20
InDir Available Phosphate, ICP .....		040.50	1	47.11	0.11	0.15	1	47.11	0.11	0.15
InDir Available Phosphate, Other .....		040.99	2	48.05	3.73	0.48	2	48.05	3.73	0.48
Method Group 040.XX PCT			7	49.68	2.53	0.23	6	50.49	1.59	0.11
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	10	51.32	0.47	0.15	10	51.32	0.47	0.15
Dir Available Phosphate, Automated ....	978.01	041.40	2	51.69	0.80	0.09	2	51.69	0.80	0.09
Dir Available Phosphate, ICP .....		041.50	8	51.08	0.98	0.26	8	51.08	0.98	0.26
Dir Available Phosphate, EDTA Extract .	993.01	041.60	11	51.37	0.60	0.23	10	51.31	0.59	0.17
Dir Available Phosphate, Other .....		041.99	1	51.26	0.23	0.33	1	51.26	0.23	0.33
Method Group 041.XX PCT			33	51.25	0.72	0.21	32	51.23	0.72	0.19
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	44.74	0.06	0.08	1	44.74	0.06	0.08
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	45.92	0.13	0.03	2	45.92	0.13	0.03
Method Group 048.XX PCT			3	45.53	0.62	0.04	3	45.53	0.62	0.04
Soluble Potash, STPB Oxalate .....	958.02	050.00	11	61.25	0.54	0.15	11	61.25	0.54	0.15
Soluble Potash, STPB Citrate .....	969.04	050.10	3	60.96	0.75	0.31	3	60.96	0.75	0.31
Soluble Potash, AA (Oxalate) .....		050.30	5	62.49	2.61	1.19	5	62.49	2.61	1.19

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Soluble Potash, AA (Citrate) .....		050.31	1	59.76	0.11	0.15	1	59.76	0.11	0.15
Soluble Potash, ICP (Oxalate) .....		050.50	5	61.14	1.47	1.25	5	61.14	1.47	1.25
Soluble Potash, ICP (Citrate) .....		050.51	8	61.31	1.40	0.36	8	61.31	1.40	0.36
Soluble Potash, Flame (Oxalate) .....	983.02(a)	050.60	2	61.56	0.12	0.13	2	61.56	0.12	0.13
Soluble Potash, Flame (Citrate) .....	983.02(b)	050.61	5	62.30	1.22	0.67	4	62.37	1.24	0.28
Soluble Potash, Other .....		050.99	15	61.01	1.25	0.51	14	61.04	1.26	0.40
Method Group 050.XX PCT			57	61.42	1.42	0.61	50	61.44	1.28	0.35
Free Water, Vacuum Oven .....	965.08B	060.00	4	1.61	1.43	0.06	3	1.23	1.46	0.01
Free Water, Other .....		060.99	1	0.39	0.01	0.02	1	0.39	0.01	0.02
Method Group 060.XX PCT			5	1.37	1.36	0.05	4	1.02	1.29	0.01
Acid Soluble Calcium, AA .....	945.04	101.00	1	0.18	0.01	0.02	1	0.18	0.01	0.02
Acid Soluble Calcium, ICP .....		101.30	7	0.26	0.01	0.02	7	0.26	0.01	0.02
Method Group 101.XX PCT			8	0.25	0.03	0.02	8	0.25	0.03	0.02
Acid Soluble Magnesium, AA .....	984.01	121.00	2	0.97	0.03	0.03	2	0.97	0.03	0.03
Acid Soluble Magnesium, ICP .....		121.30	9	1.01	0.10	0.04	9	1.01	0.10	0.04
Method Group 121.XX PCT			11	1.00	0.09	0.04	11	1.00	0.09	0.04
Water Soluble Magnesium, ICP .....		131.30	1	0.68	0.00	0.00	1	0.68	0.00	0.00
Sulfur, Gravimetric .....	980.02a	144.01	2	1.26	0.02	0.02	2	1.26	0.02	0.02
Sulfur, Gravimetric .....	980.02b	144.02	1	1.30	0.00	0.00	1	1.30	0.00	0.00
Sulfur, Spectrometric .....		144.70	1	1.22	0.01	0.02	1	1.22	0.01	0.02
Sulfur, Other .....		144.99	6	1.23	0.12	0.08	5	1.23	0.12	0.04
Method Group 144.XX PCT			10	1.24	0.10	0.06	9	1.24	0.09	0.03
Arsenic, ICP .....		151.30	9	18.52	1.43	0.68	9	18.52	1.43	0.68
Arsenic, Other .....		151.99	2	23.80	1.50	1.90	2	23.80	1.50	1.90
Method Group 151.XX PPM			11	19.48	2.51	0.91	10	18.98	1.96	0.70
Acid Soluble Boron, Other .....		165.99	4	0.020	0.015	0.002	3	0.019	0.018	0.000
Water Soluble Boron, Other .....		171.99	1	3.800	0.000	0.000	1	3.800	0.000	0.000
Cadmium, ICP .....		181.30	12	3.46	0.55	0.08	11	3.41	0.52	0.03
Cadmium, Other .....		181.99	1	3.45	0.06	0.08	1	3.45	0.06	0.08
Method Group 181.XX PPM			13	3.46	0.52	0.08	12	3.41	0.50	0.03
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	0.25	0.01	0.02	1	0.25	0.01	0.02
Chromium, ICP .....		191.30	13	117.39	9.97	1.84	13	117.39	9.97	1.84
Chromium, Other .....		191.99	1	120.50	0.71	1.00	1	120.50	0.71	1.00
Method Group 191.XX PPM			14	117.61	9.63	1.78	14	117.61	9.63	1.78
Acid Soluble Cobalt, ICP .....	965.11	202.30	13	4.94	0.65	0.12	12	4.97	0.66	0.07
Acid Soluble Cobalt, Other .....		202.99	1	5.04	0.02	0.03	1	5.04	0.02	0.03
Method Group 202.XX PPM			14	4.94	0.63	0.11	13	4.97	0.63	0.07
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0003	0.0001	0.0001	2	0.0003	0.0001	0.0001
Acid Soluble Copper, ICP .....		221.30	6	0.0001	0.0001	0.0001	5	0.0001	0.0001	0.0000

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Method Group 221.XX PCT			9	0.0003	0.0005	0.0001	9	0.0003	0.0005	0.0001
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	1.70	0.13	0.07	2	1.70	0.13	0.07
Acid Soluble Iron, ICP .....		241.30	9	1.63	0.16	0.05	9	1.63	0.16	0.05
Method Group 241.XX PCT			11	1.65	0.16	0.06	11	1.65	0.16	0.06
Lead, ICP .....		251.30	7	2.40	1.16	0.20	7	2.40	1.16	0.20
Lead, Other .....		251.99	1	1.59	0.04	0.05	1	1.59	0.04	0.05
Method Group 251.XX PPM			8	2.30	1.12	0.19	8	2.30	1.12	0.19
Acid Soluble Manganese, AA .....	972.02b	261.11	2	0.029	0.001	0.001	2	0.029	0.001	0.001
Acid Soluble Manganese, ICP .....	972.02a	261.30	10	0.028	0.002	0.000	10	0.028	0.002	0.000
Method Group 261.XX PCT			12	0.029	0.002	0.001	12	0.029	0.002	0.001
Mercury, ICP .....		281.30	1	0.01	0.01	0.02	1	0.01	0.01	0.02
Mercury, Other .....		281.99	1	0.05	0.00	0.00	1	0.05	0.00	0.00
Method Group 281.XX PPM			2	0.03	0.02	0.01	2	0.03	0.02	0.01
Molybdenum, ICP .....		289.30	13	13.64	0.94	0.32	13	13.64	0.94	0.32
Molybdenum, Other .....		289.99	1	15.65	0.07	0.10	1	15.65	0.07	0.10
Method Group 289.XX PPM			14	13.78	1.05	0.31	13	13.79	1.08	0.25
Nickel, ICP .....		291.30	13	20.35	1.88	0.32	12	20.28	1.93	0.19
Nickel, Other .....		291.99	1	21.10	0.14	0.20	1	21.10	0.14	0.20
Method Group 291.XX PPM			14	20.41	1.82	0.31	13	20.34	1.86	0.19
Selenium, ICP .....		301.30	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Selenium, Other .....		301.99	2	0.25	0.19	0.04	2	0.25	0.19	0.04
Method Group 301.XX PPM			3	0.16	0.20	0.03	3	0.16	0.20	0.03
Sodium, Flame Photometric .....	974.01	311.30	1	0.78	0.01	0.01	1	0.78	0.01	0.01
Sodium, Other .....		311.99	5	0.16	0.04	0.01	4	0.15	0.04	0.00
Method Group 311.XX PCT			7	0.28	0.24	0.06	6	0.26	0.24	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	4	0.005	0.000	0.001	4	0.005	0.000	0.001
Acid Soluble Zinc, ICP .....		321.30	20	0.006	0.002	0.000	18	0.006	0.002	0.000
Acid Soluble Zinc, Other .....		321.99	1	0.005	0.000	0.000	1	0.005	0.000	0.000
Method Group 321.XX PCT			25	0.005	0.002	0.000	22	0.006	0.002	0.000
Water Soluble Zinc, Other .....		325.99	1	0.003	0.001	0.002	1	0.003	0.001	0.002

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.XX PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>			309	10.45	-1.65	<u>Modified Comprehensi</u>			<u>Combustion</u>			211	11.28	1.26
481	11.51 R	2.27	444	10.33	-2.07	220	11.15	-.25	233	11.09	.24	049	11.27	1.20
486	11.21	1.25	230	6.23 s	-16.77	470	11.11	-.72	354	11.07	.24	055	11.26	1.14
405	11.12	.97	Meth: 002.99 PCT			493	11.05	-1.57	105	11.09	.21	040	11.25	1.12
416	11.02	.68	Nitrate Nitrogen			Meth: 010.12 PCT			Avg	11.05		486	11.13	.98
496	10.82	.07	<u>Other</u>			Total Nitrogen			041	11.05	-.05	029	11.22	.98
Avg	10.80		496	0.04	.71	<u>Salicylic</u>			231	11.04	-.13	291	11.23	.93
090	10.66	-.44	Meth: 009.10 PCT			254	11.42 R	3.11	131	11.03	-.16	474	11.22	.90
309	10.45	-1.11	Ammon & Nitrate N			351	11.15	1.00	230	11.05	-.30	483	11.21	.87
444	10.33	-1.46	<u>Devarda</u>			185	11.05	.22	402	11.01	-.34	105	11.20	.76
230	6.23 s	-13.98	258	10.96	.81	Avg	11.02		292	10.98	-.43	136	11.18	.71
Meth: 001.99 PCT			Avg			496	10.86	-1.21	073	10.97	-.48	324	11.10	.62
Ammoniacal Nitrogen			444	10.52	-.67	Meth: 010.60 PCT			409	10.95	-.64	035	11.16	.57
<u>Other</u>			452	10.52	-1.18	Total Nitrogen			117	10.95	-.67	007	11.16	.52
368	11.05 R	3.38	Meth: 009.99 PCT			<u>Combustion</u>			275	10.97	-.72	351	11.15	.50
220	11.11	.82	Ammon & Nitrate N			102	11.10 R	1.81	368	11.02	-.73	220	11.15	.49
371	11.09	.58	<u>Other</u>			157	11.30	1.60	452	10.92	-.79	405	11.15	.49
409	11.08	.51	090	10.65	.71	485	11.24	1.48	444	10.94	-.79	177	11.13	.47
Avg	11.04		Meth: 009.XX PCT			377	11.28	1.39	307	10.95	-.89	247	11.14	.45
487	11.03	-.11	Ammon & Nitrate N			049	11.27	1.31	095	10.97	-.95	390	11.13	.39
027	10.90	-1.79	258	10.96	.98	055	11.26	1.25	027	10.90	-.97	043	11.13	.38
Meth: 001.XX PCT			Avg			040	11.25	1.23	482	10.85	-1.23	360	11.09	.27
Ammoniacal Nitrogen			090	10.65	-.05	029	11.22	1.08	406	10.82	-1.38	470	11.11	.25
481	11.51 R	2.33	444	10.52	-.78	029	11.22	1.08	443	10.84	-1.43	354	11.07	.20
368	11.05 R	1.12	452	10.52	-1.39	291	11.23	1.04	451	10.75	-1.84	233	11.09	.14
486	11.21	1.11	Meth: 010.11 PCT			486	11.13	1.02	042	10.75	-2.00	105	11.09	.10
405	11.12	.78	Total Nitrogen			483	11.21	.98	009	10.65	-2.41	Avg	11.07	
220	11.11	.74	<u>Modified Comprehensi</u>			136	11.18	.81	488	10.70 s	-2.75	185	11.05	-.11
371	11.09	.67	309	11.24 R	2.41	035	11.16	.68	450	10.45 s	-3.59	041	11.05	-.14
409	11.08	.65	211	11.28	1.38	324	11.10	.66	Meth: 010.XX PCT			231	11.04	-.22
487	11.03	.47	474	11.22	.66	007	11.16	.63	Total Nitrogen			131	11.03	-.26
416	11.02	.44	105	11.20	.38	405	11.15	.60	254	11.42	2.16	493	11.05	-.32
Avg	10.90		Avg	11.17		177	11.13	.55	102	11.10 R	1.79	230	11.05	-.32
027	10.90	-.02	Meth: 010.11 PCT			247	11.14	.54	157	11.30	1.50	402	11.01	-.43
496	10.82	-.27	Total Nitrogen			390	11.13	.50	309	11.24 R	1.48	292	10.98	-.53
090	10.66	-.88	<u>Modified Comprehensi</u>			043	11.13	.49	485	11.24	1.39	073	10.97	-.59
			309			360	11.09	.33	377	11.28	1.28	409	10.95	-.74
			211									117	10.95	-.76
			474											
			105											
			Avg											

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index						
Meth: 010.XX PCT Total Nitrogen			Meth: 020.20 PCT Total Phosphate			Meth: 020.50 PCT Total Phosphate			Meth: 020.XX PCT Total Phosphate			Meth: 030.99 PCT Insoluble Phosphate								
368	11.02	-.77	<u>Spectrometric</u>			<u>ICP</u>			<u>Total Phosphate</u>			<u>Other</u>								
275	10.97	-.80	258	51.86	.70	402	51.81	.62	452	51.51	-.30	368	51.49	-.34						
444	10.94	-.88	481	51.79	.44	247	51.63	.18	247	51.49	-.34	247	0.24	.71						
452	10.92	-.89	292	51.80	.13	Avg	51.60		371	51.49	-.35	Meth: 030.XX PCT								
307	10.95	-.96	Avg	51.73		452	51.51	-.25	322	51.45	-.44	<u>Insoluble Phosphate</u>								
095	10.97	-1.01	247	51.49	-.51	368	51.49	-.29	231	51.41	-.53	474	0.34	1.57						
027	10.90	-1.06	371	51.49	-.52	474	51.22	-.96	470	51.39	-.58	247	0.24	.56						
496	10.86	-1.22	231	51.41	-.68	307	50.99	-1.69	220	51.40	-.61	Avg	0.18							
482	10.85	-1.33	324	51.40	-.73	451	49.89 s	-4.68	324	51.40	-.61	405	0.16	-.18						
406	10.82	-1.48	220	51.40	-.73	Meth: 020.99 PCT			157	51.55	-.65	220	0.08	-.87						
443	10.84	-1.52	450	51.72 R	-.81	Total Phosphate			041	51.37	-.71	409	0.08	-.96						
451	10.75	-1.94	405	51.24	-1.03	<u>Other</u>			105	51.33	-.76	Meth: 040.20 PCT								
042	10.75	-2.09	027	50.36 S	-3.37	487	52.45	.71	470	51.31	-.78	InDir Available Phos								
009	10.65	-2.50	309	38.33 s	-27.91	Meth: 020.XX PCT			105	51.31	-.80	<u>Spectrometri</u>								
488	10.70 s	-2.82	Meth: 020.30 PCT			Total Phosphate			444	51.42	-.86	220	51.31	1.20						
450	10.45 s	-3.69	Total Phosphate			<u>Alka Quimociac</u>			409	51.30	-.90	Avg	51.11							
Meth: 020.10 PCT			416			51.99	.71	496	58.26 s	16.45	405	51.24	-.95	405	51.08	-.16				
Total Phosphate			Meth: 020.40 PCT			483			55.23 s	9.22	474	51.22	-.99	474	50.93	-1.02				
<u>Gray Quimociac</u>			Total Phosphate			406			52.62	2.47	035	51.16	-1.17	Meth: 040.40 PCT						
095	52.16	1.72	<u>Automated</u>			230			52.60	2.43	307	50.99	-1.71	InDir Available Phos						
211	52.08	1.40	486	52.10 R	7.54	487			52.45 R	2.42	027	50.36 s	-3.78	<u>Automated</u>						
090	51.79	.70	409	51.30	1.22	482			51.65 R	2.36	451	49.89 s	-4.63	409						
493	51.65	.19	470	51.39	.82	486			52.10 R	1.73	042	49.60 s	-5.05	51.27						
Avg	51.61		105	51.31	.38	095			52.16	1.40	309	38.33 s	-32.99	.71						
322	51.45	-.49	Avg	51.29		390			52.13	1.28	Meth: 030.20 PCT			Meth: 040.50 PCT						
157	51.55	-.77	035	51.16	-1.09	211			52.08	1.13	Insoluble Phosphate			InDir Available Phos						
041	51.37	-.81	042	49.60 s	-13.35	291			52.05	1.06	<u>Spectrometric</u>			<u>ICP</u>						
105	51.33	-.87	Meth: 020.50 PCT			450			51.72	.99	474			0.34	1.26	488				
470	51.31	-.89	Total Phosphate			258			51.86	.97	Avg			0.20		47.11				
444	51.42	-1.01	ICP			416			51.99	.90	405			0.16	-.30	-.71				
Meth: 020.20 PCT			481			51.79	.65	481			51.79	.65	220			0.08	-.91	Meth: 040.99 PCT		
Total Phosphate			402			51.81	.56	402			51.81	.56	Meth: 030.40 PCT			InDir Available Phos				
<u>Spectrometric</u>			090			51.79	.55	090			51.79	.55	Insoluble Phosphate			<u>Other</u>				
496	58.26 s	13.57	483			55.23 s	9.49	292			51.80	.42	247			51.26	.86	247		
406	52.62	1.84	482			51.65 R	2.41	247			51.63	.16	Avg			48.05		48.05		
230	52.60	1.81	390			52.13	1.36	493			51.65	.14	275			44.84	-.87	44.84		
			291			52.05	1.14	Avg			51.62		409			0.08	-.71	-.87		

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
Meth: 040.XX PCT			Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 048.20 PCT			Meth: 050.30 PCT				
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>				
220	51.31	.52	ICP			486	51.96 R	1.16	<u>Spectrometric</u>			<u>AA (Oxalate)</u>				
409	51.27	.49	Avg	51.08		220	51.65	.58	405	46.03	.85	073	64.72	.89		
247	51.26	.48	452	50.77	-.32	136	51.61	.52	Avg	45.92		185	64.60	.81		
405	51.08	.37	368	50.70	-.40	009	51.50	.40	474	45.82	-.88	040	62.95	.37		
474	50.93	.28	360	50.61	-.57	049	51.38	.32	Meth: 048.XX PCT			Avg	62.49			
Avg	50.49		043	50.11	-1.00	177	51.40	.31	<u>Water Soluble Phosph</u>			136	61.95	-.21		
488	47.11	-2.13	055	49.99	-1.13	023	51.43	.28	405	46.03	.81	157	58.25	-1.70		
275	44.84 R	-3.57	007	48.53 S	-2.64	105	51.26	.23	474	45.82	.46	Meth: 050.31 PCT				
Meth: 041.10 PCT			Meth: 041.60 PCT			485			51.37	.19	Avg	45.53		<u>Soluble Potash</u>		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			040			51.35	.18	444	44.74	-1.28	<u>AA (Citrate)</u>		
<u>Grav Quimociac</u>			<u>EDTA Extract</u>			105			51.31	.12	Meth: 050.00 PCT			254		
254	52.34	2.19	073	52.15	1.49	131	51.27	.06	<u>Soluble Potash</u>			Meth: 050.50 PCT				
009	51.50	.44	029	52.08	1.33	Avg	51.23		<u>STPB Oxalate</u>			<u>Soluble Potash</u>				
049	51.38	.41	486	51.96 R	1.30	102	51.10	-.18	405	63.09 s	4.45	<u>ICP (Oxalate)</u>				
177	51.40	.35	220	51.65	.57	105	51.06	-.24	230	62.85 s	3.87	324	62.70	1.26		
040	51.35	.13	136	51.61	.51	131	51.01	-.32	211	62.20	1.76	390	61.35	.40		
485	51.37	.10	231	51.36	.11	351	50.93	-.43	049	61.72	.87	354	61.72	.40		
Avg	51.32		105	51.31	.07	043	50.95	-.46	470	61.59	.63	Avg	61.14			
131	51.27	-.13	Avg	51.31		177	50.82	-.58	090	61.47	.56	055	60.53	-.42		
102	51.10	-.46	351	50.93	-.65	452	50.77	-.65	258	61.49	.45	292	59.40	-1.55		
105	51.06	-.55	043	50.95	-.68	368	50.70	-.76	055	61.39	.39	488	56.65 S	-3.10		
185	50.43	-1.91	177	50.82	-.83	360	50.61	-.96	231	61.36	.22	157	55.50 S	-3.89		
055	49.87 s	-3.10	024	50.24	-1.82	185	50.43	-1.13	Avg	61.25		Meth: 050.51 PCT				
Meth: 041.40 PCT			Meth: 041.99 PCT			024			50.24	-1.39	102	60.80	-.84	<u>Soluble Potash</u>		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			043			50.11	-1.58	220	60.76	-.92	<u>ICP (Citrate)</u>		
<u>Automated</u>			<u>Other</u>			055			49.99	-1.75	485	60.62	-1.18	483		
095	52.38	.87	105	51.26	.71	055	49.87	-1.91	416	60.39	-1.61	023	62.79	1.10		
Avg	51.69		Meth: 041.XX PCT			Meth: 048.10 PCT			Meth: 050.10 PCT			096	62.40	.80		
131	51.01	-.86	<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			291	62.32	.75		
Meth: 041.50 PCT			354			52.70	2.05	<u>Grav Quimociac</u>			<u>STPB Citrate</u>			377	62.12	.58
<u>Dir Available Phosph</u>			377			52.37	1.63	444			44.74	.71	043	61.62	.23	
<u>ICP</u>			095			52.38	1.60	Avg			60.96		Avg	61.31		
354	52.70	1.65	254	52.34	1.55	041			60.55	-.58	485	60.32	-.74			
377	52.37	1.34	073	52.15	1.33	444			60.44	-.72	452	60.18	-.81			
023	51.43	.35	029	52.08	1.20	Avg			60.44		486	58.70	-1.87			

\* 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: 050.60 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 060.99 PCT			Meth: 101.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Free Water			Acid Soluble Calcium		
<u>Flame (Oxalate)</u>			483	66.07 s	3.61	368	61.06	-.30	<u>Other</u>			483	0.27	.79
105	61.62	1.11	073	64.72	2.60	390	61.35	-.43	220	0.39	.71	482	0.27	.55
Avg	61.56		185	64.60	2.47	102	60.80	-.49	Meth: 060.XX PCT			307	0.26	.53
470	61.50	-.51	029	63.72	1.78	220	60.76	-.53	<u>Free Water</u>			354	0.25	.21
Meth: 050.61 PCT			405	63.09 R	1.77	485	60.62	-.64	007	3.11	1.62	102	0.25	.05
Soluble Potash			230	62.85 R	1.52	041	60.55	-.70	416	2.78 R	1.36	474	0.25	.02
<u>Flame (Citrate)</u>			040	62.95	1.35	055	60.53	-.71	Avg	1.02		Avg	0.25	
029	63.72	1.09	307	63.08	1.31	095	60.56	-.72	220	0.39	-.49	105	0.18	-2.32
024	62.81	.36	324	62.70 R	1.26	027	60.50	-.75	096	0.37	-.50	496	0.03 s	-7.27
035	62.39	.04	023	62.79	1.10	444	60.44	-.78	405	0.20	-.63	Meth: 121.00 PCT		
Avg	62.37		024	62.81	1.07	416	60.39	-.82	Meth: 101.00 PCT			Acid Soluble Magnesi		
131	62.04 R	-.95	131	62.04 R	.99	485	60.32	-.90	Acid Soluble Calcium			<u>AA</u>		
095	60.56	-1.48	096	62.40	.77	482	60.70 R	-.97	105	0.18	.71	105	0.98	.99
Meth: 050.99 PCT			035	62.39	.74	452	60.18	-.98	Avg	0.18		Avg	0.97	
Soluble Potash			291	62.32	.72	322	59.99	-1.12	496	0.03 S	-10.63	496	0.95	-.72
<u>Other</u>			275	62.09	.64	254	59.76	-1.31	Meth: 121.30 PCT			Acid Soluble Magnesi		
307	63.08	1.64	211	62.20	.60	450	59.29	-1.74	Acid Soluble Calcium			<u>ICP</u>		
275	62.09	.92	309	62.16	.57	292	59.40 R	-1.95	041	0.37 s	9.86	041	1.15	1.46
309	62.16	.89	377	62.12	.53	486	58.70	-2.13	035	0.32 s	6.37	131	1.08	.91
177	61.46	.48	136	61.95	.40	042	58.08	-2.62	131	0.26	1.78	482	1.07	.75
481	61.50	.38	117	61.90	.39	157	58.25 R	-2.67	483	0.27	1.12	035	1.07	.70
105	61.48	.35	177	61.46	.35	496	57.05 s	-3.50	307	0.26	.55	307	1.02	.23
487	61.40	.29	049	61.72	.23	488	56.65 s	-3.76	482	0.27	.55	Avg	1.01	
360	61.24	.22	354	61.72	.22	402	55.98 s	-4.26	474	0.25	-.66	027	0.98	-.37
043	61.20	.15	105	61.62	.17	157	55.50 s	-4.67	102	0.25	-.71	102	0.97	-.41
368	61.06	.07	090	61.47	.17	Meth: 060.00 PCT			354	0.25	-.73	354	0.88	-1.28
Avg	61.04		043	61.62	.15	Free Water			Meth: 101.30 PCT			Acid Soluble Calcium		
027	60.50	-.46	470	61.59	.12	<u>Vacuum Oven</u>			041	0.37 s	9.86	474	0.86	-1.57
322	59.99	-.83	481	61.50	.11	007	3.11	1.29	035	0.32 s	6.37	483	0.10 s	-9.36
482	60.70 R	-.83	258	61.49	.07	416	2.78 R	1.06	131	0.26	1.78	Meth: 121.XX PCT		
450	59.29	-1.46	470	61.50	.05	Avg	1.23		483	0.27	1.12	Acid Soluble Magnesi		
042	58.08	-2.34	105	61.48	.04	096	0.37	-.59	307	0.26	.55	041	1.15	1.67
496	57.05 S	-3.25	Avg	61.44		405	0.20	-.70	474	0.25	-.66	131	1.08	1.07
402	55.98 S	-4.01	487	61.40	-.03	Meth: 101.XX PCT			102	0.25	-.71	482	1.07	.89
			231	61.36	-.08	Acid Soluble Calcium			354	0.25	-.73	483	1.07	.84
			055	61.39	-.13	041	0.37 s	4.80	Meth: 121.00 PCT			Acid Soluble Calcium		
			043	61.20	-.20	035	0.32 s	3.16	041	0.37 s	4.80	041	1.15	1.67
			360	61.24	-.22	131	0.26	.94	035	0.32 s	3.16	131	1.08	1.07
									131	0.26	.94	482	1.07	.89
												035	1.07	.84

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index					
Meth: 121.XX PCT			Meth: 144.99 PCT			Meth: 151.99 PPM			Meth: 181.30 PPM			Meth: 190.00 PCT							
<u>Acid Soluble Magnesi</u>			Sulfur			Arsenic			Cadmium			Water Soluble Chlori							
307	1.02	.30	<u>Other</u>			<u>Other</u>			<u>ICP</u>			<u>Titrimetric</u>							
Avg	1.00		035	1.26	.37	220	24.50	1.10	482	4.15	1.42	105	0.25	.71					
105	0.98	-.32	102	1.24	.14	Avg	23.80		095	4.00	1.13	Meth: 191.30 PPM							
027	0.98	-.33	Avg	1.23		409	23.10	-.54	220	3.80	.75	Chromium							
102	0.97	-.36	307	1.18	-.45	Meth: 151.XX PPM			009	3.80	.75	<u>ICP</u>							
496	0.95	-.57	027	1.21 R	-1.28	<u>Arsenic</u>			102	3.58	.32	009	130.40	1.32					
354	0.88	-1.31	354	1.07	-1.38	220	24.50 R	2.92	452	3.50	.18	247	130.00	1.27					
474	0.86	-1.62	Meth: 144.XX PCT			409	23.10	2.11	450	3.50	.18	220	126.00	.87					
483	0.10 s	-10.07	<u>Sulfur</u>			450	20.85	.98	474	3.00	-.78	368	124.44	.72					
Meth: 131.30 PCT			482	1.40	1.79	102	20.11	.59	486	2.83	-1.10	102	123.69	.63					
Water Soluble Magnes			292	1.30	.63	220	19.05	.33	230	2.70	-1.35	035	120.00	.28					
<u>ICP</u>			105	1.28	.42	Avg	18.98		368	2.62	-1.51	450	118.00	.12					
027	0.68	-.71	035	1.26	.41	486	18.62	-.19	444	0.35 s	-5.83	482	118.00	.12					
Meth: 144.01 PCT			102	1.25	.16	095	18.50	-.35	Meth: 181.99 PPM			474	117.50	.05					
Sulfur			102	1.24	.02	230	18.20	-.43	Cadmium			Avg	117.39						
<u>Gravimetric</u>			Avg	1.24		368	17.82	-.60	<u>Other</u>			452	111.30	-.62					
105	1.28	.82	474	1.22	-.28	474	17.50	-.80	409			3.45	.71	486	103.75	-1.37			
Avg	1.26		307	1.18	-.75	009	16.05	-1.51	Meth: 181.XX PPM			444	102.50	-1.49					
102	1.25	-.91	027	1.21 R	-1.70	Meth: 165.99 PCT			Cadmium			230	100.50	-1.69					
Meth: 144.02 PCT			354	1.07	-1.97	Acid Soluble Boron			035			4.10 R	1.50	Meth: 191.99 PPM					
Sulfur			496	0.33 s	-10.16	<u>Other</u>			482			4.15	1.48	Chromium					
<u>Gravimetric</u>			Meth: 151.30 PPM			009	0.042	1.28	095			4.00	1.18	<u>Other</u>					
292	1.30	.00	Arsenic			354	0.024 R	.33	220			3.80	.78	409		120.50	.71		
Meth: 144.70 PCT			<u>ICP</u>			Avg	0.019		009			3.80	.78	Meth: 191.XX PPM					
Sulfur			450	20.85	1.66	482	0.010	-.50	102			3.58	.33	Chromium					
<u>Spectrometric</u>			102	20.11	1.12	496	0.005	-.78	452			3.50	.18	009		130.40	1.35		
474	1.22	.71	220	19.05	.59	Meth: 171.99 PCT			450			3.50	.18	247		130.00	1.29		
Avg	1.22		486	18.62	.07	Water Soluble Boron			409			3.45	.11	220		126.00	.88		
496	0.33 S	-63.31	Avg	18.52		<u>Other</u>			Avg			3.41		368		124.44	.73		
Meth: 144.99 PCT			230	18.20	-.31	247			3.800	.00	474			3.00	-.82	102		123.69	.63
Sulfur			095	18.50	-.35	Meth: 181.30 PPM			486			2.83	-1.16	409		120.50	.30		
<u>Other</u>			368	17.82	-.50	Cadmium			230			2.70	-1.42	035		120.00	.27		
482	1.40	1.49	474	17.50	-.80	<u>ICP</u>			368			2.62	-1.59	450		118.00	.11		
			009	16.05	-1.75	035			4.10 R	1.44	444			0.35 s	-6.11	482		118.00	.11
												Avg			117.61				

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 191.XX PPM Chromium</u>			<u>Meth: 202.XX PPM Acid Soluble Cobalt</u>			<u>Meth: 221.XX PCT Acid Soluble Copper</u>			<u>Meth: 241.XX PCT Acid Soluble Iron</u>			<u>Meth: 261.11 PCT Acid Soluble Manganese</u>		
474	117.50	-.05	095	5.00	.04	043	0.0003	-.05	Avg	1.65		AA		
452	111.30	-.67	474	5.00	.04	433	0.0003	-.16	105	1.60	-.48	496	0.030	.94
486	103.75	-1.44	368	4.98	.01	496	0.0002	-.22	474	1.54	-.68	Avg	0.029	
444	102.50	-1.57	Avg	4.97		452	0.0001	-.38	027	1.54	-.72	105	0.029	-.79
230	100.50	-1.78	482	4.55 R	-.87	247	0.0001	-.43	307	1.51	-.89			
			230	4.21	-1.21	041	0.0001	-.50	354	1.36	-1.85	<u>Meth: 261.30 PCT Acid Soluble Manganese</u>		
<u>Meth: 202.30 PPM Acid Soluble Cobalt ICP</u>			486	4.17	-1.27	450	0.0001	-.50	<u>Meth: 251.30 PPM Lead</u>			<u>ICP</u>		
035	6.14	1.77	450	3.70	-2.02	095	0.0001	-.55	452	6.29 s	3.60	041	0.031	.92
102	5.73	1.16	<u>Meth: 221.00 PCT Acid Soluble Copper Atomic Absorption</u>			<u>Meth: 241.00 PCT Acid Soluble Iron Atomic Absorption</u>			095	4.00	1.38	035	0.030	.82
009	5.25	.43	043	0.0003	.61	496	1.80	.82	486	3.77	1.18	474	0.030	.63
247	5.25	.43	Avg	0.0003		Avg	1.70		035	2.79	.41	482	0.030	.63
452	5.15	.30	496	0.0002	-1.06	105	1.60	-.91	220	2.40	.09	307	0.030	.47
220	5.05	.15							Avg	2.40		247	0.029	.33
095	5.00	.05	<u>Meth: 221.30 PCT Acid Soluble Copper ICP</u>			<u>Meth: 241.30 PCT Acid Soluble Iron ICP</u>			450	1.65	-.68	102	0.029	.23
474	5.00	.05	035	0.0018 s	21.22	041	1.89	1.55	102	1.18	-1.05	Avg	0.028	
368	4.98	.01	433	0.0003	1.66	035	1.79	.92	474	1.00	-1.21	009	0.028	-.43
Avg	4.97		452	0.0001	.16	482	1.76	.90				354	0.025	-1.40
482	4.55 R	-.83	Avg	0.0001		102	1.69	.35				131	0.023	-2.16
230	4.21	-1.15	247	0.0001	-.19	131	1.65	.30	<u>Meth: 251.99 PPM Lead</u>			<u>Meth: 261.XX PCT Acid Soluble Manganese</u>		
486	4.17	-1.21	450	0.0001	-.82	Avg	1.63		409	1.59	.71	041	0.031	.94
450	3.70	-1.93	095	0.0001	-1.00	474	1.54	-.58	<u>Meth: 251.XX PPM Lead</u>			035	0.030	.82
			041	0.0001 R	-1.36	027	1.54	-.62	452	6.29 s	3.83	496	0.030	.68
<u>Meth: 202.99 PPM Acid Soluble Cobalt Other</u>			<u>Meth: 221.99 PCT Acid Soluble Copper Other</u>			<u>Meth: 241.XX PCT Acid Soluble Iron</u>			095	4.00	1.53	482	0.030	.62
409	5.04	-.71	409	0.8400 S	.00	041	1.89	1.53	486	3.77	1.32	474	0.030	.62
			<u>Meth: 221.XX PCT Acid Soluble Copper</u>			496	1.80	1.01	035	2.79	.50	307	0.030	.46
<u>Meth: 202.XX PPM Acid Soluble Cobalt</u>			409	0.8400 s	1608.20	482	1.76	.88	220	2.40	.13	247	0.029	.30
035	6.14	1.84				102	1.69	.30	Avg	2.30		102	0.029	.19
102	5.73	1.20				131	1.65	.29	035	2.79	.50	Avg	0.029	
009	5.25	.44							220	2.40	.13	105	0.029	-.22
247	5.25	.44							Avg	2.30		009	0.028	-.52
452	5.15	.30							450	1.65	-.62	354	0.025	-1.56
220	5.05	.14							409	1.59	-.64	131	0.023	-2.37
409	5.04	.10							102	1.18	-1.00			
									474	1.00	-1.16			

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 281.30 PPM</u>			<u>Meth: 289.99 PPM</u>			<u>Meth: 291.99 PPM</u>			<u>Meth: 301.99 PPM</u>			<u>Meth: 321.30 PCT</u>		
<u>Mercury</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Selenium</u>			<u>Acid Soluble Zinc</u>		
ICP			409	15.65	1.73	Other			485	0.08	-.41	ICP		
450	0.01	.71	247	14.95	1.09	409	21.10	-.71	095	0.00	-.84	292	0.010	2.15
			452	14.89	1.02							482	0.010	2.15
<u>Meth: 281.99 PPM</u>			<u>Meth: 291.99 PPM</u>			<u>Meth: 291.99 PPM</u>			<u>Meth: 311.30 PCT</u>			<u>Meth: 321.30 PCT</u>		
<u>Mercury</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Sodium</u>			<u>Acid Soluble Zinc</u>		
486	0.05	.00	220	14.55	.72	444	29.54 s	4.94	105	0.78	.71	131	0.009	1.49
			433	14.07	.26	035	22.60	1.21	105	0.78	.71	041	0.007	.84
			474	14.00	.20	247	22.45	1.14	<u>Flame Photometric</u>			035	0.007 R	.63
			368	13.89	.12	095	22.00	.89	105	0.78	.71	452	0.006	.41
			Avg	13.79		450	21.00	.35	<u>Meth: 311.99 PCT</u>			354	0.006	.14
			035	13.55	-.39	Avg	20.34		<u>Sodium</u>			Avg	0.006	
			102	13.72 R	-.49	220	20.15	-.13	<u>Other</u>			220	0.006	-.12
			009	13.15	-.61	474	20.00	-.18	496	0.37 s	6.57	368	0.005	-.33
			450	13.20	-.71	482	19.45	-.51	354	0.22	1.60	371	0.005	-.36
			095	13.00	-.73	452	18.78	-.84	035	0.17 R	.70	102	0.005	-.36
			486	12.72	-.99	230	17.60	-1.47	Avg	0.15		390	0.005	-.52
			230	11.60	-2.03	486	16.32	-2.16	474	0.15		474	0.005	-.56
									102	0.14	-.35	009	0.005	-.61
									482	0.13	-.57	095	0.005	-.62
									474	0.13	-.70	433	0.004	-.76
									<u>Meth: 311.99 PCT</u>			230	0.004	-.92
									<u>Sodium</u>			444	0.004	-.97
									105	0.78	2.12	486	0.004	-1.00
									496	0.37 R	.82	450	0.003 R	-1.25
									Avg	0.26		<u>Meth: 321.99 PCT</u>		
									354	0.22	-.16	<u>Acid Soluble Zinc</u>		
									035	0.17	-.38	<u>Other</u>		
									102	0.14	-.50	409	0.005	.71
									482	0.13	-.53	<u>Meth: 321.99 PCT</u>		
									474	0.13	-.55	<u>Acid Soluble Zinc</u>		
									<u>Meth: 321.00 PCT</u>			<u>Acid Soluble Zinc</u>		
									<u>Acid Soluble Zinc</u>			292	0.010	2.42
									<u>Atomic Absorption</u>			482	0.010	2.42
									496	0.005	1.72	131	0.009	1.71
									Avg	0.005		041	0.007	1.00
									043	0.005	-.24	035	0.007 R	.75
									481	0.004	-.31	452	0.006	.53
									105	0.005	-.62	354	0.006	.25
									<u>Meth: 301.99 PPM</u>			Avg	0.006	
									<u>Selenium</u>					
									220	0.41	1.27			
									Avg	0.16				

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

Laboratory Averages & Accuracy Indexes

<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: 321.XX PCT

Acid Soluble Zinc

220	0.006	-.06
409	0.005	-.13
368	0.005	-.26
102	0.005	-.29
371	0.005	-.29
390	0.005	-.47
474	0.005	-.51
105	0.005	-.54
043	0.005	-.54
009	0.005	-.57
095	0.005	-.57
481	0.004	-.57
496	0.005 R	-.60
433	0.004	-.72
230	0.004	-.90
444	0.004	-.95
486	0.004	-.98
450	0.003 R	-1.26

Meth: 325.99 PCT

Water Soluble Zinc

Other

450	0.003 X	.71
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\* 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	9	- 1.31	4.88	0.27	101.XX	11	- 0.08	2.84	1.07
001.99	6	0.03	0.95	1.38	121.00	2	0.00	0.84	0.63
001.XX	15	- 0.94	4.51	0.35	121.30	10	- 0.94	3.11	0.24
009.10	3	0.00	0.70	0.71	121.XX	12	- 0.84	3.06	0.25
009.XX	4	0.00	0.68	0.73	144.01	2	0.00	0.98	0.52
010.11	7	0.12	0.97	0.89	144.70	2	- 31.64	44.75	1.35
010.12	4	0.76	1.77	0.35	144.99	6	- 0.03	0.93	0.55
010.60	48	- 0.11	1.07	0.53	144.XX	10	- 1.06	3.34	0.57
010.XX	58	- 0.09	1.07	0.51	151.30	9	0.00	0.99	0.27
020.10	10	0.00	0.91	0.44	151.99	2	0.00	0.66	0.73
020.20	15	- 1.15	8.29	0.55	151.XX	10	0.14	1.10	0.51
020.40	6	- 1.15	6.48	1.85	165.99	4	0.070	0.924	0.083
020.50	11	0.45	3.29	1.16	165.XX	4	0.070	0.924	0.083
020.XX	41	- 0.37	6.17	0.79	181.30	13	- 0.35	1.93	0.18
030.20	3	0.00	1.08	0.22	181.XX	14	- 0.34	1.94	0.18
030.XX	5	0.00	1.03	0.22	191.30	13	0.00	1.01	0.10
040.20	3	0.00	1.05	0.32	191.XX	14	0.00	1.01	0.11
040.99	2	0.00	1.22	0.09	202.30	13	- 0.05	0.99	0.16
040.XX	7	- 0.51	1.65	0.12	202.XX	14	- 0.05	0.99	0.16
041.10	11	- 0.28	1.33	0.23	221.00	2	0.0000	0.7972	0.6574
041.40	2	0.00	1.22	0.06	221.30	7	2.9770	8.0854	0.5956
041.50	9	- 0.29	1.29	0.22	221.XX	10	160.63	507.98	24.199
041.60	11	0.10	1.01	0.27	241.00	2	0.00	1.14	0.31
041.XX	28	0.01	1.22	0.27	241.30	9	0.00	1.00	0.22
048.20	2	0.00	1.21	0.14	241.XX	11	0.00	0.99	0.23
048.XX	3	0.00	1.12	0.04	251.30	8	0.42	1.52	0.48
050.00	13	0.49	1.51	1.07	251.XX	9	0.40	1.53	0.47
050.10	3	0.00	1.09	0.21	261.11	2	0.000	0.920	0.572
050.30	5	0.00	1.01	0.28	261.30	10	0.000	1.017	0.138
050.50	7	- 0.99	1.84	0.55	261.XX	12	0.000	1.006	0.177
050.51	9	0.38	1.48	0.15	281.XX	2	0.000	1.155	0.289
050.60	2	0.00	0.73	0.70	289.30	13	0.00	0.99	0.25
050.61	5	- 0.05	0.93	0.42	289.XX	14	0.00	0.96	0.21
050.99	17	- 0.44	1.49	0.34	291.30	14	0.38	1.59	0.14
050.XX	56	- 0.16	1.49	0.44	291.XX	15	0.36	1.58	0.14
060.00	4	0.27	1.06	0.04	301.99	2	0.00	1.21	0.15
060.XX	5	0.27	1.12	0.04	301.XX	3	0.00	1.11	0.12
101.00	2	- 5.30	7.50	0.71	311.99	6	0.93	2.25	1.67
101.30	9	1.38	2.93	2.55	311.XX	7	0.06	0.97	0.26

## Method Evaluation - Z Values Based on 1 Reports

<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>	<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>
321.00	4	0.000	0.262	0.907					
321.30	20	- 0.039	0.998	0.159					
321.XX	25	- 0.042	0.982	0.181					