

- Pass 1 Results for 87 Labs - - Pass 2 Results for 85 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	7	2.64	0.05	0.04	7	2.64	0.05	0.04
Ammoniacal Nitrogen, Other .....		001.99	7	2.59	0.07	0.02	7	2.59	0.07	0.02
Method Group 001.XX PCT			14	2.62	0.07	0.03	13	2.61	0.06	0.02
Nitrate Nitrogen, Other .....		002.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Nitrogen From Urea, Urease (as N) .....	959.03	005.00	1	0.16	0.04	0.05	1	0.16	0.04	0.05
Ammon & Nitrate N, Devarda .....	892.01	009.10	3	2.79	0.09	0.03	3	2.79	0.09	0.03
Ammon & Nitrate N, Other .....		009.99	1	2.70	0.05	0.07	1	2.70	0.05	0.07
Method Group 009.XX PCT			4	2.77	0.09	0.04	4	2.77	0.09	0.04
Total Nitrogen, Modified Comprehensive	978.02	010.11	10	2.68	0.14	0.03	10	2.68	0.14	0.03
Total Nitrogen, Salicylic .....	955.04D	010.12	2	2.66	0.03	0.03	2	2.66	0.03	0.03
Total Nitrogen, Combustion .....		010.60	57	2.70	0.12	0.04	51	2.69	0.09	0.03
Total Nitrogen, Other .....		010.99	7	2.61	0.14	0.06	7	2.61	0.14	0.06
Method Group 010.XX PCT			76	2.69	0.12	0.04	69	2.68	0.11	0.03
Total Phosphate, Grav Quimociac .....	962.02	020.10	7	7.63	0.16	0.11	6	7.61	0.13	0.06
Total Phosphate, Spectrometric .....	958.01	020.20	23	7.68	0.23	0.12	22	7.67	0.21	0.08
Total Phosphate, Automated .....	978.01	020.40	4	7.57	0.19	0.11	4	7.57	0.19	0.11
Total Phosphate, ICP .....		020.50	9	7.77	0.27	0.08	9	7.77	0.27	0.08
Total Phosphate, Other .....		020.99	1	7.52	0.00	0.00	1	7.52	0.00	0.00
Method Group 020.XX PCT			44	7.67	0.23	0.10	42	7.67	0.22	0.08
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	1	0.03	0.00	0.00	1	0.03	0.00	0.00
Insoluble Phosphate, Spectrometric ....	963.03C	030.20	1	0.20	0.01	0.02	1	0.20	0.01	0.02
Insoluble Phosphate, Automated .....	978.01	030.40	1	0.03	0.01	0.01	1	0.03	0.01	0.01
Insoluble Phosphate, ICP .....		030.50	1	0.02	0.00	0.01	1	0.02	0.00	0.01
Method Group 030.XX PCT			4	0.07	0.08	0.01	4	0.07	0.08	0.01
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	7.69	0.01	0.01	1	7.69	0.01	0.01
InDir Available Phosphate, Spectrometri	960.02	040.20	2	6.61	0.92	0.21	2	6.61	0.92	0.21
InDir Available Phosphate, Automated ..	960.02	040.40	1	7.60	0.01	0.01	1	7.60	0.01	0.01
InDir Available Phosphate, ICP .....		040.50	1	7.23	0.02	0.03	1	7.23	0.02	0.03
Method Group 040.XX PCT			5	7.14	0.72	0.10	4	7.48	0.19	0.02
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	17	7.60	0.12	0.06	15	7.58	0.08	0.05
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	7.63	0.14	0.20	1	7.63	0.14	0.20
Dir Available Phosphate, Automated ....	978.01	041.40	4	7.62	0.19	0.10	5	7.51	0.28	0.09
Dir Available Phosphate, ICP .....		041.50	9	7.77	0.16	0.07	9	7.79	0.18	0.06
Dir Available Phosphate, EDTA Extract .	993.01	041.60	13	7.58	0.11	0.06	12	7.59	0.10	0.05
Dir Available Phosphate, Other .....		041.99	2	7.55	0.05	0.06	2	7.55	0.05	0.06
Method Group 041.XX PCT			47	7.62	0.16	0.07	43	7.64	0.14	0.05
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	5.29	1.60	0.03	4	5.29	1.60	0.03
Soluble Potash, STPB Oxalate .....	958.02	050.00	20	29.15	0.50	0.18	20	29.15	0.50	0.18
Soluble Potash, STPB Citrate .....	969.04	050.10	2	29.84	1.01	0.07	2	29.84	1.01	0.07

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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	28.62	1.35	0.33	11	28.60	1.39	0.23
Soluble Potash, AA (Citrate) .....		050.31	1	28.33	0.19	0.27	1	28.33	0.19	0.27
Soluble Potash, ICP (Oxalate) .....		050.50	7	27.33	1.64	0.16	7	27.33	1.64	0.16
Soluble Potash, ICP (Citrate) .....		050.51	9	29.21	0.82	0.41	8	29.30	0.67	0.14
Soluble Potash, Flame (Oxalate) .....	983.02(a)	050.60	6	29.16	1.52	0.44	6	29.16	1.52	0.44
Soluble Potash, Flame (Citrate) .....	983.02(b)	050.61	9	29.69	0.72	0.35	9	29.69	0.72	0.35
Soluble Potash, Other .....		050.99	13	29.39	0.73	0.37	12	29.43	0.70	0.26
Method Group 050.XX PCT			82	29.01	1.22	0.32	76	29.03	1.12	0.23
Free Water, Vacuum Oven .....	965.08B	060.00	5	0.67	0.29	0.07	5	0.67	0.29	0.07
Acid Soluble Calcium, AA .....	945.04	101.00	4	2.27	0.11	0.06	4	2.27	0.11	0.06
Acid Soluble Calcium, ICP .....		101.30	16	2.45	0.31	0.03	15	2.45	0.32	0.02
Acid Soluble Calcium, Other .....		101.99	1	2.43	0.01	0.01	1	2.43	0.01	0.01
Method Group 101.XX PCT			21	2.41	0.28	0.03	19	2.43	0.29	0.02
Acid Soluble Magnesium, AA .....	984.01	121.00	17	3.13	0.14	0.05	16	3.13	0.14	0.04
Acid Soluble Magnesium, ICP .....		121.30	29	3.19	0.12	0.05	28	3.18	0.12	0.05
Acid Soluble Magnesium, Other .....		121.99	1	3.37	0.05	0.07	1	3.37	0.05	0.07
Method Group 121.XX PCT			47	3.17	0.13	0.05	45	3.17	0.13	0.04
Water Soluble Magnesium, AA .....		131.00	2	2.97	0.05	0.05	2	2.97	0.05	0.05
Water Soluble Magnesium, ICP .....		131.30	3	2.72	0.30	0.13	3	2.72	0.30	0.13
Water Soluble Magnesium, Other .....		131.99	1	3.03	0.01	0.01	1	3.03	0.01	0.01
Method Group 131.XX PCT			6	2.85	0.25	0.08	5	2.88	0.26	0.04
Sulfur, Gravimetric .....	980.02a	144.01	20	8.96	0.19	0.09	20	8.96	0.19	0.09
Sulfur, Gravimetric .....	980.02b	144.02	1	8.96	0.01	0.01	1	8.96	0.01	0.01
Sulfur, Spectrometric .....		144.70	1	8.97	0.05	0.08	1	8.97	0.05	0.08
Sulfur, Other .....		144.99	16	8.72	0.38	0.12	16	8.72	0.38	0.12
Method Group 144.XX PCT			38	8.86	0.30	0.10	37	8.85	0.30	0.09
Arsenic, ICP .....		151.30	8	54.99	6.51	2.72	8	54.99	6.51	2.72
Arsenic, Other .....		151.99	1	56.00	5.66	8.00	1	56.00	5.66	8.00
Method Group 151.XX PPM			9	55.10	6.27	3.30	9	55.10	6.27	3.30
Acid Soluble Boron, Spectrometric .....	982.01	165.00	8	0.290	0.017	0.010	8	0.290	0.017	0.010
Acid Soluble Boron, Other .....		165.99	13	0.290	0.028	0.008	13	0.290	0.028	0.008
Method Group 165.XX PCT			22	0.287	0.028	0.009	21	0.286	0.029	0.008
Water Soluble Boron, Spectrometric .....	982.01	171.10	2	0.286	0.024	0.005	2	0.286	0.024	0.005
Cadmium, Atomic Absorption .....		181.00	2	1.39	0.31	0.05	2	1.39	0.31	0.05
Cadmium, ICP .....		181.30	11	1.95	0.51	0.17	10	1.89	0.48	0.09
Method Group 181.XX PPM			13	1.86	0.52	0.15	12	1.81	0.49	0.08
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	13	18.48	0.67	0.23	12	18.46	0.68	0.18
Water Soluble Chlorine, Other .....		190.99	2	18.44	0.38	0.46	2	18.44	0.38	0.46
Method Group 190.XX PCT			15	18.47	0.63	0.26	14	18.45	0.64	0.22

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Chromium, Atomic Absorption .....		191.00	1	104.50	0.71	1.00	1	104.50	0.71	1.00
Chromium, ICP .....		191.30	12	96.02	8.64	1.77	11	96.17	8.93	1.16
Method Group 191.XX PPM			13	96.68	8.60	1.71	12	96.86	8.85	1.14
Acid Soluble Cobalt, AA .....		202.00	1	10.50	0.71	1.00	1	10.50	0.71	1.00
Acid Soluble Cobalt, ICP .....	965.11	202.30	10	14.31	3.71	1.30	9	14.29	3.74	0.67
Method Group 202.XX PPM			11	13.96	3.71	1.28	10	13.91	3.73	0.70
Acid Soluble Copper, Atomic Absorption	975.01	221.00	5	0.0083	0.0013	0.0007	5	0.0083	0.0013	0.0007
Acid Soluble Copper, ICP .....		221.30	15	0.0077	0.0018	0.0004	14	0.0076	0.0019	0.0003
Acid Soluble Copper, Other .....		221.99	1	0.0030	0.0000	0.0000	1	0.0030	0.0000	0.0000
Method Group 221.XX PCT			21	0.0076	0.0020	0.0005	20	0.0076	0.0020	0.0004
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	0.25	0.04	0.03	2	0.25	0.04	0.03
Acid Soluble Iron, ICP .....		241.30	17	0.24	0.03	0.00	16	0.24	0.03	0.00
Acid Soluble Iron, Other .....		241.99	1	0.17	0.00	0.00	1	0.17	0.00	0.00
Method Group 241.XX PCT			21	0.25	0.04	0.01	20	0.24	0.04	0.00
Lead, Atomic Absorption .....		251.00	1	25.00	1.41	2.00	1	25.00	1.41	2.00
Lead, ICP .....		251.30	12	21.60	4.35	2.75	12	21.60	4.35	2.75
Method Group 251.XX PPM			13	21.86	4.29	2.69	13	21.86	4.29	2.69
Acid Soluble Manganese, AA .....	972.02a	261.00	14	1.527	0.084	0.040	13	1.519	0.077	0.028
Acid Soluble Manganese, AA .....	972.02b	261.11	2	1.679	0.112	0.025	2	1.679	0.112	0.025
Acid Soluble Manganese, ICP .....	972.02a	261.30	27	1.505	0.132	0.064	26	1.508	0.132	0.058
Acid Soluble Manganese, ICP .....	972.02b	261.31	2	1.538	0.055	0.065	2	1.538	0.055	0.065
Acid Soluble Manganese, Other .....		261.99	2	1.451	0.085	0.043	2	1.451	0.085	0.043
Method Group 261.XX PCT			48	1.510	0.129	0.054	44	1.510	0.129	0.041
Water Soluble Manganese, Atomic Abs ...	972.03	271.00	1	0.052	0.000	0.000	1	0.052	0.000	0.000
Mercury, Other .....		281.99	2	0.02	0.00	0.00	2	0.02	0.00	0.00
Molybdenum, ICP .....		289.30	13	7.51	1.27	0.65	13	7.51	1.27	0.65
Nickel, Atomic Absorption .....		291.00	1	30.50	0.71	1.00	1	30.50	0.71	1.00
Nickel, ICP .....		291.30	10	32.10	3.93	1.14	9	31.56	3.69	0.78
Method Group 291.XX PPM			11	31.95	3.77	1.13	10	31.45	3.51	0.80
Selenium, ICP .....		301.30	4	4.80	1.84	0.47	4	4.80	1.84	0.47
Selenium, Other .....		301.99	1	0.53	0.39	0.55	1	0.53	0.39	0.55
Method Group 301.XX PPM			5	3.94	2.43	0.49	5	3.94	2.43	0.49
Sodium, Atomic Absorption .....	983.04	311.00	1	0.71	0.01	0.01	1	0.71	0.01	0.01
Sodium, Other .....		311.99	5	0.71	0.02	0.01	5	0.71	0.02	0.01
Method Group 311.XX PCT			6	0.71	0.02	0.01	6	0.71	0.02	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	16	0.302	0.013	0.005	15	0.303	0.013	0.004
Acid Soluble Zinc, ICP .....		321.30	32	0.302	0.023	0.008	31	0.301	0.022	0.006
Acid Soluble Zinc, Other .....		321.99	2	0.285	0.030	0.002	2	0.285	0.030	0.002
Method Group 321.XX PCT			50	0.301	0.020	0.006	46	0.300	0.020	0.005

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: 010.60 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>			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Combustion</u>			<u>Combustion</u>		
444	2.70	1.41	027	2.55	-.91	309	2.87	1.38	325	2.79	.97	324	2.62	-.79
029	2.70	1.17	420	2.46	-2.39	090	2.82	1.04	070	2.76	.77	230	2.61	-.89
090	2.65	.46	309	2.47 s	-2.59	220	2.77	.65	444	2.74	.73	042	2.60	-.99
416	2.66	.40	Meth: 002.99 PCT			211	2.77	.64	041	2.74	.57	360	2.69 R	-1.01
Avg	2.64		Nitrate Nitrogen			029	2.69	.12	096	2.75	.55	136	2.57	-1.37
452	2.63	-.19	<u>Other</u>			Avg	2.68		406	2.74	.44	009	2.55	-1.56
324	2.58	-1.10	393	0.00	.00	288	2.66	-.18	393	2.73	.43	055	2.59 R	-1.68
288	2.58	-1.23	Meth: 005.00 PCT			371	2.64	-.29	049	2.73	.34	443	2.57 R	-1.69
309	2.47 s	-3.55	Nitrogen From Urea			105	2.63	-.33	028	2.72	.28	369	2.53 R	-1.89
Meth: 001.99 PCT			<u>Urease (as N)</u>			073	2.54	-1.01	162	2.71	.15	007	2.50	-2.06
Ammoniacal Nitrogen			288	0.16	.71	322	2.38	-2.10	233	2.71	.13	425	2.43	-2.85
<u>Other</u>			Meth: 009.10 PCT			Meth: 010.12 PCT			296	2.71	.13	Meth: 010.99 PCT		
397	2.65	.88	Ammon & Nitrate N			Total Nitrogen			232	2.70	.05	Total Nitrogen		
255	2.64	.76	<u>Devarda</u>			<u>Salicylic</u>			114	2.70	.05	<u>Other</u>		
371	2.64	.75	030	2.90	1.24	254	3.20 S	17.08	Avg	2.69		354	2.77	1.37
096	2.64	.70	Avg	2.79		185	2.68	1.16	023	2.69	-.11	402	2.76	1.14
Avg	2.59		090	2.75	-.51	Avg	2.66		027	2.68	-.15	105	2.61	.30
393	2.56	-.49	257	2.73	-.83	397	2.65	-.39	231	2.68	-.18	234	2.62	.20
027	2.55	-.56	Meth: 009.99 PCT			Meth: 010.60 PCT			029	2.69	-.22	255	2.61	.08
420	2.46	-1.88	Ammon & Nitrate N			Total Nitrogen			102	2.68	-.25	Avg	2.61	
Meth: 001.XX PCT			<u>Other</u>			<u>Combustion</u>			022	2.67	-.27	420	2.46	-1.08
Ammoniacal Nitrogen			234	2.70	-.71	372	11.61 s	94.64	247	2.68	-.33	072	2.42	-1.42
444	2.70 R	1.61	Meth: 009.XX PCT			426	2.67	-.34	426	2.67	-.34	Meth: 010.XX PCT		
029	2.70	1.44	Ammon & Nitrate N			177	2.66	-.36	177	2.66	-.36	Total Nitrogen		
416	2.66	.81	<u>Other</u>			390	3.25 s	5.91	381	2.69	-.38	372	11.61 s	83.31
397	2.65	.71	030	2.90	1.51	351	3.05 A	3.73	450	2.65	-.46	422	4.07 s	12.96
090	2.65	.68	Avg	2.77		072	3.02 A	3.49	040	2.65	-.48	390	3.25 s	5.32
255	2.64	.59	090	2.75	-.25	037	3.00 s	3.45	255	2.65	-.50	254	3.20 s	4.94
371	2.64	.58	257	2.73	-.61	262	2.94	2.57	451	2.65	-.52	351	3.05 A	3.41
096	2.64	.48	234	2.70	-.89	157	2.89	2.09	057	2.64	-.58	072	3.02 A	3.19
452	2.63	.33	Meth: 009.99 PCT			131	2.88	2.02	452	2.64	-.58	037	3.00 s	3.16
Avg	2.61		Ammon & Nitrate N			095	2.84	1.55	035	2.68	-.62	262	2.94	2.38
324	2.58	-.45	<u>Other</u>			043	2.83	1.45	106	2.64	-.63	157	2.89	1.97
288	2.58	-.57	234	2.70	-.89	073	2.82	1.38	442	2.64	-.64	131	2.88	1.90
393	2.56	-.84	Meth: 009.99 PCT			291	2.79	1.04	330	2.65	-.70	309	2.87	1.75
Meth: 009.99 PCT			Ammon & Nitrate N			025	2.79	.97	377	2.64	-.71	Meth: 010.XX PCT		
Ammon & Nitrate N			<u>Other</u>			<u>Combustion</u>			<u>Combustion</u>			Total Nitrogen		

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.10 PCT			Meth: 020.40 PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
095	2.84	1.49	288	2.66	-.27	<u>Grav Quimociac</u>			<u>Automated</u>			330	7.87	.99
043	2.83	1.40	450	2.65	-.28	114	7.81	1.56	035	7.76	1.21	393	7.87	.91
073	2.82	1.33	397	2.65	-.28	090	7.72	.81	096	7.62	.26	381	7.85	.84
090	2.82	1.32	040	2.65	-.30	Avg	7.61		105	7.60	.22	035	7.76	.78
354	2.77 R	1.15	255	2.65	-.31	041	7.61	-.27	Avg	7.57		428	7.77	.68
291	2.79	1.04	185	2.68	-.33	405	7.56	-.42	042	7.31	-1.38	114	7.81	.67
325	2.79	.98	451	2.65	-.33	157	7.51	-.98	Meth: 020.50 PCT			416	7.80	.60
025	2.79	.98	452	2.64	-.39	105	7.47	-1.10	<u>Total Phosphate</u>			406	7.79	.56
360	2.69 R	.89	057	2.64	-.39	Meth: 020.20 PCT			<u>ICP</u>			432	7.72	.48
220	2.77	.80	371	2.64	-.42	<u>Total Phosphate</u>			426	8.14	1.38	257	7.77	.44
070	2.76	.80	106	2.64	-.42	<u>Spectrometric</u>			422	8.10	1.27	231	7.73	.32
211	2.77	.79	442	2.64	-.44	442	7.77 R	2.36	330	7.87	.49	390	7.68	.30
402	2.76	.75	105	2.63	-.47	030	8.06	1.95	393	7.87	.39	220	7.74	.30
444	2.74	.72	035	2.68	-.52	232	7.99	1.54	Avg	7.77		450	7.68	.26
041	2.74	.61	377	2.64	-.53	324	7.91	1.13	247	7.68	-.34	451	7.69	.25
096	2.75	.61	330	2.65	-.54	381	7.85	.86	432	7.72	-.38	090	7.72	.21
406	2.74	.51	324	2.62	-.57	428	7.77	.69	390	7.68	-.42	425	7.70	.20
393	2.73	.48	255	2.61	-.64	416	7.80	.61	444	7.60	-.65	292	7.70	.13
049	2.73	.42	234	2.62	-.65	406	7.79	.56	255	7.25	-1.93	247	7.68	.07
028	2.72	.35	230	2.61	-.66	257	7.77	.44	Meth: 020.99 PCT			Avg	7.67	
381	2.69	.33	042	2.60	-.75	231	7.73	.32	<u>Total Phosphate</u>			096	7.62	-.23
162	2.71	.26	105	2.61	-.75	220	7.74	.30	<u>Other</u>			041	7.61	-.34
296	2.71	.24	136	2.57	-1.08	450	7.68	.26	402	7.52	.00	105	7.60	-.35
233	2.71	.24	009	2.55	-1.25	451	7.69	.25	443	8.15 S	.00	444	7.60	-.38
029	2.69	.21	073	2.54	-1.36	425	7.70	.19	Avg	7.52		371	7.58	-.42
292	2.70	.15	443	2.57 R	-1.39	292	7.70	.13	Meth: 020.XX PCT			369	7.62	-.51
114	2.70	.15	055	2.59 R	-1.39	Avg	7.67		<u>Total Phosphate</u>			405	7.56	-.53
232	2.70	.15	369	2.53 R	-1.55	371	7.58	-.45	443	8.15 s	3.04	288	7.55	-.57
029	2.69	.13	007	2.50	-1.68	369	7.62	-.53	442	7.77 R	2.28	402	7.52	-.69
023	2.69	.13	420	2.46	-2.06	288	7.55	-.61	426	8.14	2.15	157	7.51	-.83
Avg	2.68		425	2.43	-2.38	372	7.46	-1.05	422	8.10	2.00	105	7.47	-.95
027	2.68	.00	072	2.42	-2.48	262	7.45	-1.09	030	8.06	1.90	372	7.46	-1.00
231	2.68	-.09	322	2.38	-2.78	309	7.40	-1.36	232	7.99	1.51	262	7.45	-1.04
022	2.67	-.13	Meth: 020.10 PCT			193	7.33	-1.64	422	8.10	2.00	309	7.40	-1.30
102	2.68	-.15	<u>Total Phosphate</u>			234	7.26	-1.98	030	8.06	1.90	193	7.33	-1.57
426	2.67	-.20	<u>Grav Quimociac</u>			420	6.51 s	-5.58	232	7.99	1.51	042	7.31	-1.70
177	2.66	-.20	444	7.78 R	2.01				324	7.91	1.11	234	7.26	-1.90
247	2.68	-.24							444	7.78 R	1.05	255	7.25	-1.95

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 020.XX PCT			Meth: 040.20 PCT			Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.XX PCT		
<u>Total Phosphate</u>			<u>InDir Available Phos Spectrometri</u>			<u>Dir Available Phosph Grav Quimociac</u>			<u>Dir Available Phosph ICP</u>			<u>Dir Available Phosph</u>		
420	6.51 s	-5.39	372	7.40	.85	040	7.57	-.29	291	7.66	-.72	322	7.96	2.22
Meth: 030.10 PCT			Avg 6.61			086 7.55 -.45			043 7.64 -.83			007 7.92 2.14		
Insoluble Phosphate			220 5.82 -.88			177 7.55 -.57			325 7.52 -1.51			027 7.90 1.80		
<u>Grav Quimociac</u>			Meth: 040.40 PCT			102 7.54 -.62			023 7.12 S -3.73			397 7.81 1.17		
090	0.03	.00	InDir Available Phos			072 7.57 -.73			Meth: 041.60 PCT			377 7.76 .90		
Meth: 030.20 PCT			Automated			105 7.54 -.84			Dir Available Phosph			360 7.76 .86		
Insoluble Phosphate			096 7.60 .71			185 7.54 -.95			<u>EDTA Extract</u>			354 7.73 .65		
<u>Spectrometric</u>			Meth: 040.50 PCT			029 7.41 -2.27			397 7.81 2.07			057 7.69 .38		
220	0.20	-.71	InDir Available Phos			049 7.30 s -4.28			057 7.67 .37			057 7.67 .37		
Meth: 030.40 PCT			<u>ICP</u>			Meth: 041.20 PCT			057 7.69 .97			211 7.69 .34		
Insoluble Phosphate			255 7.23 .71			Dir Available Phosph			296 7.65 .70			296 7.65 .29		
<u>Automated</u>			Meth: 040.XX PCT			<u>Spectrometric</u>			105 7.63 .62			291 7.66 .27		
096	0.03	-.71	InDir Available Phos			055 7.63 -.71			177 7.62 .32			043 7.64 .21		
Meth: 030.50 PCT			090 7.69 1.10			Meth: 041.40 PCT			024 7.61 .28			Avg 7.64		
Insoluble Phosphate			096 7.60 .63			Dir Available Phosph			Avg 7.59			177 7.62 -.11		
<u>ICP</u>			Avg 7.48			<u>Automated</u>			043 7.57 -.24			055 7.62 -.18		
255	0.02	.71	372 7.40 -.43			027 7.90 1.38			073 7.56 -.56			024 7.61 -.27		
Meth: 030.XX PCT			255 7.23 -1.30			029 7.55 .14			288 7.54 -.57			296 7.60 -.28		
Insoluble Phosphate			220 5.82 R -8.80			131 7.53 .07			351 7.51 -.73			105 7.63 -.35		
<u>Insoluble Phosphate</u>			Avg 7.62			Avg 7.62			037 7.46 -1.39			136 7.59 -.35		
220	0.20	1.62	072 7.49 -.58			028 7.47 R -1.69			106 7.44 -1.43			131 7.58 -.39		
Avg 0.07			Meth: 041.10 PCT			025 7.10 S -1.49			028 7.47 R -1.69			040 7.57 -.48		
090 0.03 -.47			Dir Available Phosph			Meth: 041.50 PCT			Meth: 041.99 PCT			105 7.58 -.49		
096 0.03 -.54			<u>Grav Quimociac</u>			Dir Available Phosph			Dir Available Phosph			043 7.57 -.49		
255 0.02 -.60			254 8.06 s 6.40			<u>ICP</u>			<u>Other</u>			072 7.57 -.57		
Meth: 040.10 PCT			322 7.96 A 5.00			022 7.96 S 1.99			105 7.58 .97			086 7.55 -.59		
InDir Available Phos			260 7.58 R 1.72			452 8.06 S 1.57			Avg 7.55			029 7.55 -.60		
<u>Grav Quim</u>			233 7.69 1.46			393 7.98 1.14			230 7.52 -.74			073 7.56 -.63		
090	7.69	-.71	211 7.69 1.40			007 7.92 R 1.01			Meth: 041.XX PCT			177 7.55 -.65		
Meth: 040.10 PCT			057 7.67 1.28			070 7.97 1.01			Dir Available Phosph			055 7.63 -.69		
InDir Available Phos			055 7.62 .60			Avg 7.75			022 7.96 s 3.11			102 7.54 -.71		
<u>Grav Quim</u>			296 7.60 .22			360 7.76 -.15			254 8.06 s 2.96			288 7.54 -.72		
090	7.69	-.71	131 7.58 .13			377 7.76 -.27			452 8.06 s 2.95			105 7.54 -.75		
Meth: 040.10 PCT			136 7.59 .10			354 7.73 -.36			393 7.98 2.43			131 7.53 -.77		
InDir Available Phos			Avg 7.58			Meth: 041.50 PCT			070 7.97 2.28			185 7.54 -.78		
<u>Grav Quim</u>			Avg 7.58			Dir Available Phosph			Meth: 041.50 PCT			230 7.52 -.81		
090	7.69	-.71	Avg 7.58			022 7.96 s 3.11			Dir Available Phosph			325 7.52 -.84		
Meth: 040.10 PCT			Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
InDir Available Phos			Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
<u>Grav Quim</u>			Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
090	7.69	-.71	Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
Meth: 040.10 PCT			Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
InDir Available Phos			Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
<u>Grav Quim</u>			Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					
090	7.69	-.71	Avg 7.58			022 7.96 s 3.11			Dir Available Phosph					

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

## Laboratory Averages &amp; Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.XX PCT			Meth: 050.00 PCT			Meth: 050.31 PCT			Meth: 050.60 PCT			Meth: 050.XX PCT		
<u>Dir Available Phosph</u>			Soluble Potash			Soluble Potash			Soluble Potash			<u>Soluble Potash</u>		
351	7.51	-.85	<u>STPB Oxalate</u>			<u>AA (Citrate)</u>			<u>Flame (Oxalate)</u>			292	35.96 s	6.17
260	7.58 R	-.98	114	29.04	-.25	254	28.33	-.71	Avg	29.16		443	31.76 R	2.52
037	7.46	-1.31	095	29.03	-.36	Meth: 050.50 PCT			309	26.19	-1.96	041	31.28	2.01
106	7.44	-1.36	231	28.92	-.48	Soluble Potash			Meth: 050.61 PCT			073	30.79	1.58
028	7.47 R	-1.47	296	28.98	-.68	<u>ICP (Oxalate)</u>			Soluble Potash			322	30.72	1.51
072	7.49 R	-1.50	257	28.71	-.89	292	35.96 s	5.26	<u>Flame (Citrate)</u>			027	30.65	1.45
029	7.41	-1.58	372	28.39	-1.53	106	29.89	1.56	041	31.28	2.20	442	30.39	1.30
049	7.30 R	-2.59	102	27.69	-2.94	420	28.98	1.00	035	30.21	.92	406	30.37	1.19
023	7.12 s	-3.58	397	27.25 s	-3.93	255	27.81	.30	057	29.86	.60	035	30.21	1.11
025	7.10 s	-3.75	230	26.70 s	-4.93	354	27.44	.07	Avg	29.69		177	30.27	1.11
Meth: 048.20 PCT			Meth: 050.10 PCT			Avg			024	29.59	-.14	377	30.21	1.05
<u>Water Soluble Phosph</u>			Soluble Potash			422	26.06	-.78	037	29.47	-.33	369	30.14	.99
<u>Spectrometric</u>			<u>STPB Citrate</u>			324	25.88	-.90	025	29.30	-.54	007	30.13	.98
420	6.42	.71	322	30.72	.86	426	25.29	-1.25	028	29.14	-.77	131	30.12	.97
096	6.07	.48	Avg	29.84		Meth: 050.51 PCT			105	29.32	-.77	057	29.86	.82
372	5.97	.42	444	28.97	-.87	Soluble Potash			029	29.05	-.91	106	29.89	.77
Avg	5.29		Meth: 050.30 PCT			<u>ICP (Citrate)</u>			030	25.15 s	-6.28	232	29.83	.71
393	2.72	-1.61	Soluble Potash			377	30.21	1.34	Meth: 050.99 PCT			452	29.79	.69
Meth: 050.00 PCT			<u>AA (Oxalate)</u>			007	30.13	1.23	Soluble Potash			233	29.69	.62
Soluble Potash			073	30.79	1.58	452	29.79	.75	<u>Other</u>			072	29.71	.62
<u>STPB Oxalate</u>			369	30.14	1.11	Avg	29.30		027	30.65	1.74	072	29.71	.62
443	31.76 s	5.46	451	29.70	.79	043	29.22	-.14	177	30.27	1.20	105	29.32 R	.60
233	29.69	1.17	040	29.68	.78	444	29.18	-.19	027	30.65	1.74	451	29.70	.60
072	29.71	1.15	086	28.87 R	.57	023	28.97	-.55	177	30.27	1.20	451	29.70	.60
057	29.61	1.03	136	29.25	.47	393	28.65	-.98	131	30.12	.98	451	29.70	.60
090	29.58	.86	351	28.78	.14	291	28.29	-1.51	232	29.83	.56	451	29.70	.60
043	29.57	.84	Avg	28.60		432	28.50 R	-2.27	072	29.71	.43	451	29.70	.60
220	29.46	.80	193	27.90	-.55	Meth: 050.60 PCT			234	29.55	.22	040	29.68	.59
211	29.47	.63	428	27.64	-.69	Soluble Potash			072	29.71	.43	057	29.61	.56
381	29.32	.53	185	27.05	-1.12	<u>Flame (Oxalate)</u>			234	29.55	.22	024	29.59	.50
416	29.37	.43	425	26.84	-1.26	442	30.39	.88	Avg	29.43		090	29.58	.49
029	29.25	.22	262	26.82	-1.28	406	30.37	.80	105	29.17	-.38	043	29.57	.48
Avg	29.15		Meth: 050.60 PCT			105	29.32	.42	360	28.96	-.67	234	29.55	.48
055	29.15	-.07	Soluble Potash			131	29.53	.24	042	28.99	-.70	105	29.32	.45
022	29.05	-.23	<u>Flame (Oxalate)</u>			055	29.18	.08	402	28.71	-1.07	220	29.46	.45
049	29.06	-.24	442	30.39	.88	Meth: 050.60 PCT			325	28.60	-1.25	131	29.53	.44
			406	30.37	.80	Soluble Potash			390	28.60	-1.31	037	29.47	.40
			105	29.32	.42	<u>Flame (Oxalate)</u>			022	28.95 R	-1.39	211	29.47	.39
			131	29.53	.24	442	30.39	.88	330	26.65 s	-4.78	381	29.32	.32
			055	29.18	.08	406	30.37	.80				416	29.37	.30
						105	29.32	.42				025	29.30	.24
						131	29.53	.24				136	29.25	.20
						055	29.18	.08						

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 101.30 PCT			Meth: 101.XX PCT			Meth: 121.30 PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>		
029	29.25	.20	185	27.05	-1.76	ICP			292	2.27	-.54	ICP		
043	29.22	.18	425	26.84	-1.94	Avg	2.45		131	2.27	-.56	041	3.73 s	4.43
055	29.18	.17	262	26.82	-1.97	420	2.38	-.21	450	2.25	-.61	027	3.53	2.80
105	29.17	.14	230	26.70	-2.07	390	2.41 R	-.22	288	2.25	-.63	231	3.38	1.55
029	29.05	.14	309	26.19	-2.53	009	2.37	-.24	035	2.24	-.65	090	3.37	1.47
444	29.18	.13	422	26.06	-2.64	096	2.37	-.26	232	2.20	-.79	233	3.30 R	1.25
055	29.15	.11	330	26.65 s	-2.70	106	2.35	-.32	029	2.13 R	-1.08	131	3.30	.94
028	29.14	.10	324	25.88	-2.81	102	2.27	-.56	433	2.04	-1.35	390	3.26	.79
049	29.06	.07	426	25.29 A	-3.33	292	2.27	-.56	422	1.28 s	-3.98	452	3.28	.78
114	29.04	.05	030	25.15 s	-3.45	131	2.27	-.57				037	3.27	.70
022	29.05	.05				288	2.25	-.63	Meth: 121.00 PCT			432	3.20	.66
Avg	29.03		Meth: 060.00 PCT			035	2.24	-.65	Acid Soluble Magnesi			114	3.23	.49
420	28.98	-.05	Free Water			232	2.20	-.78	<u>AA</u>			420	3.24	.46
444	28.97	-.08	<u>Vacuum Oven</u>			433	2.04	-1.28	028	3.37	1.68	360	3.24	.42
360	28.96	-.09	096	1.08	1.46	422	1.28 S	-3.65	450	3.29	1.09	009	3.23	.40
231	28.92	-.10	105	0.84	.66				220	3.25	.86	096	3.19	.25
095	29.03	-.11	Avg	0.67		Meth: 101.99 PCT			029	3.23	.71	393	3.20	.15
023	28.97	-.16	007	0.56	-.38	Acid Soluble Calcium			177	3.22	.61	Avg	3.18	
042	28.99	-.19	416	0.56	-.38	<u>Other</u>			043	3.18	.36	354	3.16	-.23
351	28.78	-.23	193	0.30	-1.28	393	2.43	.71	105	3.16	.30	023	3.18	-.26
296	28.98	-.26				Meth: 101.XX PCT			262	3.14	.18	444	3.15	-.49
257	28.71	-.28	Meth: 101.00 PCT			Acid Soluble Calcium			040	3.14	.17	288	3.13	-.52
402	28.71	-.34	Acid Soluble Calcium			<u>AA</u>			095	3.14	.07	057	3.12	-.62
393	28.65	-.34	105	2.38	.99	057	22.55 s	69.88	Avg	3.13		106	3.10	-.73
325	28.60	-.46	220	2.33	.55	247	3.17	2.56	257	3.11	-.20	102	3.10	-.74
390	28.60	-.52	Avg	2.27		041	2.98	1.90	397	3.09	-.29	426	3.08	-.84
372	28.39	-.57	450	2.25	-.20	405	2.88	1.57	296	3.09	-.35	255	3.07	-.94
254	28.33	-.64	029	2.13	-1.47	393	2.71	.97	030	3.11 R	-.69	232	3.07	-.95
291	28.29	-.66				Avg	2.43		381	3.02	-.78	324	3.07	-.98
086	28.87 R	-.67	Meth: 101.30 PCT			393	2.43	-.02	055	2.87	-1.87	035	3.06	-1.04
022	28.95 R	-.76	Acid Soluble Calcium			420	2.38	-.16	309	2.81	-2.29	292	3.00	-1.49
193	27.90	-1.04	<u>ICP</u>			105	2.38	-.16	351	2.45 s	-4.79	422	3.00	-1.50
255	27.81	-1.09	057	22.55 s	62.86	009	2.37	-.19				433	2.60 s	-4.76
102	27.69	-1.19	247	3.17	2.24	390	2.41 R	-.21	Meth: 121.30 PCT					
428	27.64	-1.24	041	2.98	1.65	096	2.37	-.21	Acid Soluble Magnesi			Meth: 121.99 PCT		
432	28.50 R	-1.25	405	2.88	1.35	106	2.35	-.29	<u>ICP</u>			Acid Soluble Magnesi		
354	27.44	-1.41	393	2.71	.80	220	2.33	-.36	247	5.40 s	17.90	<u>Other</u>		
397	27.25	-1.63				102	2.27	-.54	405	4.68 s	12.11	042	3.37	.71

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



Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 121.XX PCT			Meth: 121.XX PCT			Meth: 131.XX PCT			Meth: 144.02 PCT			Meth: 144.XX PCT		
<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Water Soluble Magnes</u>			<u>Sulfur</u>			<u>Sulfur</u>		
247	5.40 s	16.55	397	3.09	-.59	452	3.03	.59	<u>Gravimetric</u>			262	9.15	1.02
405	4.68 s	11.23	296	3.09	-.63	027	3.03	.57	292 6.98 S-281.03			296	9.13	.95
041	3.73 s	4.18	426	3.08	-.66	220	2.99	.44	Meth: 144.70 PCT			057	9.09	.82
027	3.53	2.69	255	3.07	-.76	029	2.95	.34	<u>Sulfur</u>			450	9.05	.73
231	3.38	1.53	232	3.07	-.77	Avg	2.88		<u>Spectrometric</u>			324	9.04	.66
028	3.37	1.50	324	3.07	-.79	432	2.74 R	-.82	452 8.97 .71			043	9.02	.60
042	3.37	1.49	035	3.06	-.85	393	2.40	-1.88				105	9.00	.53
090	3.37	1.46	030	3.11 R	-.85	Meth: 144.01 PCT			Meth: 144.99 PCT			371	9.00	.51
233	3.30 R	1.23	381	3.02	-1.11	<u>Sulfur</u>			<u>Sulfur</u>			029	8.95	.45
131	3.30	.97	292	3.00	-1.26	<u>Gravimetric</u>			<u>Other</u>			041	8.98	.44
450	3.29	.87	422	3.00	-1.27	055	9.17	1.25	360	9.38	1.78	230	8.92	.44
452	3.28	.83	055	2.87	-2.27	288	9.18	1.25	220	9.15	1.25	452	8.97	.42
390	3.26	.81	309	2.81	-2.71	233	9.17	1.13	450	9.05	.90	390	8.95	.37
037	3.27	.76	433	2.60 s	-4.26	262	9.15	1.08	390	8.95	.61	029	8.96	.35
220	3.25	.66	351	2.45 s	-5.37	296	9.13	.98	027	8.92	.53	040	8.95	.34
432	3.20	.64	Meth: 131.00 PCT			057	9.09	.76	009	8.85	.47	027	8.92	.24
114	3.23	.54	<u>Water Soluble Magnes</u>			324	9.04	.53	136	8.89	.44	136	8.89	.13
420	3.24	.54	<u>AA</u>			043	9.02	.47	232	8.86	.38	232	8.86	.05
360	3.24	.49	220	2.99	.43	105	9.00	.36	351	8.73	.11	Avg	8.85	
029	3.23	.48	Avg	2.97		371	9.00	.26	Avg	8.72		102	8.84	-.05
009	3.23	.47	029	2.95	-1.15	041	8.98	.14	023	8.63	-.24	114	8.84	-.10
177	3.22	.36	Meth: 131.30 PCT			Avg	8.96		035	8.63	-.29	193	8.78	-.23
096	3.19	.27	<u>Water Soluble Magnes</u>			040	8.95	-.11	354	8.56	-.44	372	8.75	-.33
023	3.18	.27	<u>ICP</u>			029	8.95	-.52	096	8.62	-.44	351	8.73	-.40
393	3.20	.23	452	3.03	1.03	230	8.92	-.63	255	8.28	-1.18	009	8.85	-.42
043	3.18	.11	102	8.84	-.65	114	8.84	-.67	422	8.07	-1.74	023	8.63	-.73
Avg	3.17		432	2.74	.52	193	8.78	-.95	393	7.98	-1.95	035	8.63	-.77
354	3.16	-.11	Avg	2.72		372	8.75	-1.09	131	6.87 s	-4.94	444	8.61	-.86
095	3.14	-.21	393	2.40	-1.08	444	8.61	-1.94	090	6.20 s	-6.74	096	8.62	-.88
105	3.16	-.23	Meth: 131.99 PCT			106	8.57	-2.06	Meth: 144.XX PCT			106	8.57	-.92
040	3.14	-.26	<u>Water Soluble Magnes</u>			<u>Sulfur</u>			<u>Sulfur</u>			354	8.56	-.98
262	3.14	-.31	<u>Other</u>			Meth: 144.02 PCT			360 9.38 1.82			255	8.28	-1.91
288	3.13	-.37	027	3.03	.71	<u>Sulfur</u>			220 9.15 R 1.19			422	8.07	-2.62
444	3.15	-.40	<u>Gravimetric</u>			Sulfur			288 9.18 1.12			393	7.98	-2.89
257	3.11	-.46	029 8.96 .71			<u>Gravimetric</u>			055 9.17 1.11			292	6.98 s	-6.30
057	3.12	-.48	Avg 8.96			029 8.96 .71			233 9.17 1.06			131	6.87 s	-6.65
106	3.10	-.56										090	6.20 s	-8.92
102	3.10	-.58												

\* 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: 151.30 PPM			Meth: 165.00 PCT			Meth: 165.XX PCT			Meth: 181.30 PPM			Meth: 190.00 PCT		
Arsenic			Acid Soluble Boron			Acid Soluble Boron			Cadmium			Water Soluble Chlori		
<u>ICP</u>			<u>Spectrometric</u>			<u>Spectrometric</u>			<u>ICP</u>			<u>Titrimetric</u>		
037	67.84	1.99	055	0.290	-.02	296	0.295 R	.60	106	2.50 R	1.65	105	18.92	.68
450	57.00	.69	029	0.290	-.60	324	0.300	.47	450	2.58	1.43	055	18.90	.67
106	59.00	.62	037	0.280	-.62	023	0.299	.44	Avg	1.89		057	18.76	.46
Avg	54.99		292	0.275	-.97	029	0.290	.37	102	1.89	-.02	397	18.65	.36
247	54.50	-.11	257	0.273	-1.04	288	0.288	.22	247	1.82	-.15	040	18.47	.21
102	53.87	-.43	220	0.215 s	-4.56	009	0.290	.14	037	1.81	-.18	Avg	18.46	
233	50.11	-.75	Meth: 165.99 PCT			055	0.290	.13	233	1.62	-.57	102	18.31	-.23
009	50.00	-.77	Acid Soluble Boron			Avg	0.286		390	1.60	-.62	043	18.01	-.66
232	47.60	-1.15	<u>Other</u>			037	0.280	-.22	324	1.60	-.64	029	17.80	-.97
444	12.67 s	-6.51	432	0.495 s	7.97	292	0.275	-.43	232	1.60	-.64	028	17.73	-1.08
Meth: 151.99 PPM			354	0.328	1.39	257	0.273	-.47	035	1.45	-.92	220	17.18	-1.92
Arsenic			360	0.323	1.18	232	0.269	-.62	452	0.19 S	-3.55	422	0.31 s	-26.78
<u>Other</u>			452	0.315	.91	433	0.269	-.63	Meth: 181.XX PPM			Meth: 190.99 PCT		
220	56.00	.71	255	0.311	.80	444	0.255	-1.11	<u>Cadmium</u>			Water Soluble Chlori		
Meth: 151.XX PPM			231	0.305	.53	043	0.232	-1.90	009	2.95	2.36	<u>Other</u>		
Arsenic			324	0.300	.35	220	0.215	-2.50	106	2.50 R	1.75	288	18.60	1.13
037	67.84	2.05	Avg	0.290		042	0.147 s	-4.88	450	2.58	1.58	Avg	18.44	
450	57.00	.71	106	0.290	-.01	422	0.139 s	-5.16	102	1.89	.17	296	18.27	-.46
220	56.00	.65	009	0.290	-.09	Meth: 171.10 PCT			037	1.81	.06	Meth: 190.XX PCT		
106	59.00	.62	288	0.288	-.23	Water Soluble Boron			247	1.82	.03	Water Soluble Chlori		
Avg	55.10		232	0.269	-.78	<u>Spectrometric</u>			Avg	1.81		027	19.55	1.72
247	54.50	-.12	433	0.269	-.78	027	0.306	.85	220	1.65	-.34	444	19.21	1.23
102	53.87	-.45	444	0.255	-1.28	Avg	0.286		233	1.62	-.38	230	18.75 R	.85
233	50.11	-.80	043	0.232	-2.09	296	0.265	-.88	390	1.60	-.44	105	18.92	.73
009	50.00	-.82	042	0.147 s	-5.17	Meth: 181.00 PPM			324	1.60	-.47	055	18.90	.71
232	47.60	-1.21	422	0.139 S	-5.45	Cadmium			232	1.60	-.47	288	18.60	.67
444	12.67 s	-6.77	Meth: 165.XX PCT			<u>Atomic Absorption</u>			035	1.45	-.73	057	18.76	.49
Meth: 165.00 PCT			Acid Soluble Boron			220	1.65	.87	193	1.13	-1.40	397	18.65	.39
Acid Soluble Boron			432	0.495 s	7.86	Avg	1.39		452	0.19 s	-3.31	040	18.47	.22
<u>Spectrometric</u>			354	0.328	1.48	193	1.13	-.86	Meth: 190.00 PCT			Avg		
105	0.320	1.88	360	0.323	1.27	Meth: 181.30 PPM			Water Soluble Chlori			102	18.31	-.24
296	0.295	.95	105	0.320	1.21	Cadmium			<u>Titrimetric</u>			296	18.27	-.30
023	0.299	.53	452	0.315	1.01	<u>ICP</u>			027	19.55	1.62	043	18.01	-.69
Avg	0.290		255	0.311	.90	009	2.95	2.24	444	19.21	1.16	029	17.80	-1.02
			231	0.305	.64				230	18.75 R	.79	028	17.73	-1.14

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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: 190.XX PCT</u>			<u>Meth: 191.XX PPM</u>			<u>Meth: 202.XX PPM</u>			<u>Meth: 221.99 PCT</u>			<u>Meth: 241.30 PCT</u>		
<u>Water Soluble Chlori</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>		
220	17.18	-2.03	452	88.97	-.89	220	10.50	-.92	402	0.0030	.00	405	0.35 s	3.73
422	0.31 s	-28.43	324	87.10	-1.10	324	10.55	-.96	<u>Other</u>			247	0.29	1.68
<u>Meth: 191.00 PPM</u>			<u>035 84.15 -1.44</u>			<u>102 9.96 -1.06</u>			<u>Meth: 221.XX PCT</u>			<u>390 0.29 1.53</u>		
<u>Chromium</u>			<u>444 63.00 s -3.83</u>			<u>247 9.20 -1.26</u>			<u>Acid Soluble Copper</u>			<u>106 0.27 .93</u>		
<u>Atomic Absorption</u>			<u>Meth: 202.00 PPM</u>			<u>Meth: 221.00 PCT</u>			<u>035 75.850 s7784.34</u>			<u>057 0.27 .84</u>		
220	104.50	.71	<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			<u>247 0.0841 s 38.09</u>			<u>450 0.26 .76</u>		
<u>Meth: 191.30 PPM</u>			<u>AA</u>			<u>Atomic Absorption</u>			<u>422 0.0135 s 3.41</u>			<u>009 0.26 .61</u>		
<u>Chromium</u>			220	10.50	.71	262	0.0100	1.38	<u>452 0.0105 1.46</u>			<u>096 0.26 .56</u>		
<u>ICP</u>			<u>Meth: 202.30 PPM</u>			<u>Avg 0.0083</u>			<u>106 0.0100 1.19</u>			<u>131 0.25 .06</u>		
009	112.00	1.78	<u>Acid Soluble Cobalt</u>			220	0.0080	-.39	<u>262 0.0100 1.19</u>			<u>Avg 0.24</u>		
450	105.50	1.05	<u>ICP</u>			095	0.0075	-.71	<u>043 0.0089 .51</u>			<u>433 0.24 -.17</u>		
390	104.00	.91	452	33.72 s	5.20	105	0.0070	-1.29	<u>043 0.0089 .64</u>			<u>420 0.23 -.42</u>		
247	101.00	.54	009	19.75	1.47	<u>Meth: 221.30 PCT</u>			<u>009 0.0088 .59</u>			<u>102 0.22 -.79</u>		
106	100.50	.49	450	18.40	1.10	<u>Acid Soluble Copper</u>			<u>450 0.0087 .56</u>			<u>232 0.22 -.89</u>		
Avg	96.17		106	14.50 R	.94	<u>ICP</u>			<u>330 0.0083 .49</u>			<u>220 0.0080 .28</u>		
096	95.50	-.09	057	17.55	.89	035	75.850 s0007.40		<u>057 0.0081 .28</u>			<u>057 0.0081 .28</u>		
102	92.86	-.37	035	14.95	.19	247	0.0841 s 40.33		<u>102 0.0080 .19</u>			<u>292 0.22 -.93</u>		
037	94.47 R	-.51	037	14.31	.06	422	0.0135 s 3.61		<u>433 0.0080 .18</u>			<u>444 0.22 R -1.10</u>		
452	88.97	-.81	Avg	14.29		452	0.0105 1.54		<u>233 0.0079 .15</u>			<u>035 0.21 -1.16</u>		
324	87.10	-1.02	390	13.90	-.10	106	0.0100 1.26		<u>Avg 0.0076</u>			<u>288 0.20 -1.68</u>		
232	86.25	-1.11	324	10.55	-1.05	009	0.0088 .63		<u>232 0.0075 -.16</u>			<u>233 0.06 s -6.84</u>		
035	84.15	-1.35	102	9.96	-1.16	450	0.0087 .59		<u>095 0.0075 -.19</u>			<u>422 0.06 s -7.05</u>		
444	63.00 S	-3.72	247	9.20	-1.36	330	0.0083 R .52		<u>420 0.0074 -.30</u>			<u>Meth: 241.99 PCT</u>		
<u>Meth: 191.XX PPM</u>			<u>Meth: 202.XX PPM</u>			<u>057 0.0081 .29</u>			<u>444 0.0070 -.30</u>			<u>Acid Soluble Iron</u>		
<u>Chromium</u>			<u>Acid Soluble Cobalt</u>			<u>102 0.0080 .20</u>			<u>324 0.0069 -.37</u>			<u>Other</u>		
009	112.00	1.72	452	33.72 s	5.32	<u>288 0.0050 -1.30</u>			<u>105 0.0070 R -.58</u>			<u>402 0.17 .71</u>		
450	105.50	.98	009	19.75	1.57	<u>402 0.0030 -2.30</u>			<u>288 0.0050 -1.30</u>			<u>Meth: 241.XX PCT</u>		
220	104.50	.87	450	18.40	1.21	<u>041 0.0029 -2.37</u>			<u>402 0.0030 -2.30</u>			<u>Acid Soluble Iron</u>		
390	104.00	.84	057	17.55	.99	<u>Meth: 241.00 PCT</u>			<u>041 0.0029 -2.37</u>			<u>405 0.35 2.68</u>		
247	101.00	.47	106	14.50 R	.95	<u>Acid Soluble Iron</u>			<u>247 0.29 1.22</u>			<u>105 0.28 R 1.18</u>		
106	100.50	.42	035	14.95	.29	<u>Atomic Absorption</u>			<u>390 0.29 1.11</u>			<u>390 0.29 1.11</u>		
Avg	96.86		037	14.31	.12	<u>105 0.28 1.03</u>			<u>106 0.27 .69</u>			<u>106 0.27 .69</u>		
096	95.50	-.16	Avg	13.91		<u>Avg 0.25</u>			<u>057 0.27 .62</u>			<u>057 0.27 .62</u>		
102	92.86	-.46	390	13.90	.00	<u>220 0.23 -.67</u>			<u>450 0.26 .56</u>			<u>450 0.26 .56</u>		
037	94.47 R	-.55							<u>009 0.26 .46</u>			<u>009 0.26 .46</u>		

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 241.XX PCT			Meth: 251.XX PPM			Meth: 261.11 PCT			Meth: 261.31 PCT			Meth: 261.XX PCT		
<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>		
096	0.26	.42	450	25.50	1.10	AA			ICP			037	1.520	.11
131	0.25	.05	247	26.00	.99	029	1.775	.87	027	1.550	.23	397	1.520	.08
Avg	0.24		037	25.92	.95	Avg	1.679		Avg	1.538		426	1.510	.08
433	0.24	-.10	220	25.00	.77	040	1.583	-.86	324	1.525	-1.20	422	1.511	.03
420	0.23	-.28	452	24.44	.60	Meth: 261.30 PCT			Meth: 261.99 PCT			Avg 1.510		
220	0.23	-.37	106	22.00	.47	<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			043 1.490 -.17		
102	0.22	-.54	102	23.33	.44	ICP			Other			106 1.505 -.20		
232	0.22	-.61	Avg	21.86		102	1.751	1.85	037	1.520	.83	296	1.480	-.28
041	0.22	-.64	233	21.32	-.22	450	1.700	1.47	Avg	1.451		095	1.470	-.31
292	0.22	-.64	324	20.80	-.37	035	1.679	1.36	042	1.381	-.90	257	1.470	-.31
444	0.22	-.77	232	21.00	-.62	009	1.650	1.08	402	0.188 S	-14.87	262	1.480	-.33
035	0.21	-.80	009	18.90	-.82	330	1.645	1.06	Meth: 261.XX PCT			114 1.465 -.35		
288	0.20	-1.17	035	18.60	-.90	452	1.542	.75	<u>Acid Soluble Manganese</u>			232 1.504 -.44		
402	0.17	-1.93	444	11.40	-2.45	231	1.555	.55	029	1.775	2.06	105	1.455	-.60
233	0.06 s	-4.85	Meth: 261.00 PCT			360	1.570	.48	102	1.751	1.88	390	1.500 R	-.70
422	0.06 s	-5.00	<u>Acid Soluble Manganese</u>			057	1.565	.47	450	1.700	1.49	030	1.395	-.93
Meth: 251.00 PPM			AA			255	1.526	.41	035	1.679	1.38	420	1.392	-.95
<u>Lead</u>			028 1.630 R 1.93			233	1.547	.32	028	1.630 R 1.22		292	1.380	-1.01
<u>Atomic Absorption</u>			177 1.637 1.53			432	1.515	.20	009	1.650	1.09	042	1.381	-1.03
220	25.00	.71	351	1.636	1.51	131	1.525	.17	330	1.645	1.07	090	1.410 R	-1.15
Meth: 251.30 PPM			220 1.625 1.37			426	1.510	.08	177	1.637	.99	041	1.360	-1.18
<u>Lead</u>			055 1.550 .42			422	1.511	.04	Avg	1.508		023	1.339	-1.33
<u>ICP</u>			193 1.545 .34			Avg	1.508		351	1.636	.98	433	1.279	-1.79
450	25.50	1.13	397	1.520	.01	106	1.505	-.19	220	1.625	.90	247	1.210	-2.33
247	26.00	1.04	Avg	1.519		114	1.465	-.33	452	1.542 R	.76	381	1.160	-2.72
037	25.92	.99	043	1.490	-.40	232	1.504	-.43	040	1.583	.57	288	0.951 s	-4.37
452	24.44	.65	296	1.480	-.57	354	1.492	-.60	231	1.555	.55	402	0.188 s	-10.26
102	23.33	.48	095	1.470	-.64	390	1.500	-.69	324	1.525	.52	Meth: 271.00 PCT		
106	22.00	.47	257	1.470	-.64	420	1.392	-.92	360	1.570	.48	<u>Water Soluble Mangan</u>		
Avg	21.60		262	1.480	-.64	292	1.380	-.98	057	1.565	.47	<u>Atomic Abs</u>		
233	21.32	-.19	105	1.455	-1.10	090	1.410 R	-1.12	255	1.526	.41	220 0.052 .00		
324	20.80	-.33	030	1.395	-1.68	041	1.360	-1.15	055	1.550	.32	Meth: 281.99 PPM		
232	21.00	-.59	381	1.160 s	-4.66	023	1.339	-1.29	027	1.550	.31	Mercury		
009	18.90	-.76				433	1.279	-1.75	233	1.547	.31	<u>Other</u>		
035	18.60	-.84				247	1.210	-2.27	193	1.545	.28	220 0.02 .85		
444	11.40	-2.35				288	0.951 s	-4.27	432	1.515	.20			
									131	1.525	.17			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 281.99 PPM			Meth: 291.30 PPM			Meth: 301.XX PPM			Meth: 321.00 PCT			Meth: 321.30 PCT		
Mercury			Nickel			Selenium			Acid Soluble Zinc			Acid Soluble Zinc		
<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>Atomic Absorption</u>			<u>ICP</u>		
Avg	0.02		Avg	31.56		037	7.59	1.50	030	0.325 s	5.99	009	0.310	.43
009	0.02	-.88	102	30.39	-.32	009	4.45	.23	029	0.366 s	4.82	390	0.304	.29
			232	29.05	-.68	247	4.15	.11	381	0.330	2.10	231	0.306	.27
			324	28.00	-.96	Avg	3.94		105	0.326	1.87	023	0.305	.18
Meth: 289.30 PPM			Meth: 291.XX PPM			Meth: 311.00 PCT			Meth: 321.30 PCT			Meth: 321.99 PCT		
Molybdenum			Nickel			Sodium			Acid Soluble Zinc			Acid Soluble Zinc		
<u>ICP</u>			<u>ICP</u>			<u>Atomic Absorption</u>			<u>ICP</u>			<u>Other</u>		
452	13.05 s	4.40	450	38.25	1.95	193	0.83 S	14.15	193	0.300	-.20	288	0.294	-.30
450	10.00 s	3.06	009	37.00 R	1.70	057	0.71	.71	257	0.300	-.20	114	0.290	-.48
288	10.00	1.96	247	35.25	1.08	Avg	0.71		351	0.299	-.32	444	0.290	-.48
232	8.65	.92	037	31.81	.46	220	0.295	-.69	420	0.286	-.68	452	0.294	-.59
009	8.45	.79	390	32.75	.39	043	0.291	-.93	432	0.280	-1.05	420	0.286	-.68
324	7.90	.63	106	32.50	.33	262	0.290	-.96	292	0.275	-1.20	420	0.286	-.68
247	8.10	.47	Avg	31.45		095	0.290	-.96	035	0.269	-1.45	433	0.264	-1.71
037	7.99	.40	102	30.39	-.30	428	0.290	-.99	433	0.264	-1.71	232	0.260	-1.89
102	7.54	.28	220	30.50	-.31	296	0.295 R	-1.02	422	0.251	-2.28	422	0.251	-2.28
433	7.60	.07	232	29.05	-.68	397	0.290	-1.03						
Avg	7.51		324	28.00	-.98				Meth: 321.30 PCT			Meth: 321.99 PCT		
035	6.63	-.70	035	26.00	-1.55				Acid Soluble Zinc			Acid Soluble Zinc		
255	6.82	-.73							<u>ICP</u>			<u>Other</u>		
220	6.50	-.80							450	0.346	2.09	402	0.311	.86
106	6.00	-1.43	Meth: 301.30 PPM			Meth: 311.99 PCT			Meth: 321.30 PCT			Meth: 321.99 PCT		
444	5.50	-1.63	Selenium			Sodium			Acid Soluble Zinc			Acid Soluble Zinc		
			<u>ICP</u>			<u>Other</u>			<u>ICP</u>			<u>Other</u>		
			037	7.59	1.51	009	0.73	1.05	450	0.346	2.09	402	0.311	.86
Meth: 291.00 PPM			Avg	4.80		102	0.72	.97	233	0.334 R	1.91	Avg	0.285	
Nickel			009	4.45	-.23	232	0.69	-.56	131	0.324	1.19	042	0.259	-.87
<u>Atomic Absorption</u>			247	4.15	-.36	288	0.71	-.27	426	0.325	1.15			
220	30.50	.71	450	3.00	-1.01	057	0.71	-.33	102	0.323	1.05			
						232	0.69	-.60	330	0.320	1.01	Meth: 321.XX PCT		
Meth: 291.30 PPM			Meth: 301.99 PPM			Meth: 311.XX PCT			Meth: 321.30 PCT			Meth: 321.99 PCT		
Nickel			Selenium			Sodium			Acid Soluble Zinc			Acid Soluble Zinc		
<u>ICP</u>			<u>Other</u>			<u>Atomic Absorption</u>			<u>ICP</u>			<u>Other</u>		
450	38.25	1.83	220	0.53 X	.71	288	0.71	-.27	090	0.321	.98	030	0.325 s	3.98
009	37.00 R	1.59				057	0.71	-.33	041	0.320	.90	029	0.366 s	3.29
247	35.25	1.00				232	0.69	-.60	057	0.313	.58	450	0.346	2.30
037	31.81	.44				035	0.68	-1.58	360	0.311	.49	233	0.334 R	2.10
390	32.75	.35				422	0.16 s	-30.10	354	0.311	.47	381	0.330	1.50
106	32.50	.29							324	0.310	.44	105	0.326	1.35
									027	0.310	.44	131	0.324 R	1.32
									106	0.310	.44	426	0.325	1.28

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

## Laboratory Averages &amp; 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>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 321.XX PCT			Meth: 321.XX PCT											
<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>											
102	0.323	1.17	432	0.280	-1.13									
330	0.320	1.12	292	0.275	-1.29									
090	0.321	1.09	035	0.269	-1.56									
041	0.320	1.00	433	0.264	-1.85									
057	0.313	.65	232	0.260	-2.05									
360	0.311	.55	042	0.259	-2.09									
402	0.311	.55	422	0.251	-2.47									
354	0.311	.54												
324	0.310	.50												
106	0.310	.50												
027	0.310	.50												
055	0.310	.50												
009	0.310	.49												
040	0.310	.48												
177	0.309	.47												
028	0.309	.46												
390	0.304	.32												
231	0.306	.31												
023	0.305	.22												
037	0.303	.12												
Avg	0.300													
193	0.300	-.01												
257	0.300	-.01												
255	0.299	-.09												
351	0.299	-.13												
247	0.296	-.24												
288	0.294	-.31												
220	0.295	-.36												
043	0.291	-.49												
114	0.290	-.51												
444	0.290	-.51												
095	0.290	-.51												
262	0.290	-.51												
428	0.290	-.53												
397	0.290	-.57												
296	0.295 R	-.61												
452	0.294 R	-.63												
420	0.286	-.73												

\* 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	8	- 0.40	1.41	0.70	101.30	18	3.28	14.92	0.41
001.99	7	0.00	1.02	0.20	101.XX	22	2.92	15.00	0.43
001.XX	15	- 0.05	1.15	0.46	121.00	18	- 0.28	1.47	0.22
009.10	3	0.00	1.08	0.23	121.30	33	0.93	3.98	0.27
009.XX	4	0.00	1.03	0.28	121.XX	52	0.44	3.13	0.24
010.11	10	0.00	1.02	0.15	131.00	2	0.00	0.60	0.75
010.12	3	5.60	9.70	1.91	131.30	3	0.00	1.06	0.30
010.60	61	1.99	12.28	0.37	131.XX	6	- 0.09	0.97	0.26
010.99	7	0.00	1.00	0.28	144.01	20	0.00	0.97	0.29
010.XX	76	1.50	9.71	0.49	144.02	2	- 139.6	197.50	22.01
020.10	7	0.19	1.03	0.65	144.99	18	- 0.65	2.12	0.26
020.20	24	- 0.21	1.48	0.53	144.XX	40	- 0.53	2.19	0.28
020.40	4	0.00	0.98	0.39	151.30	9	- 0.72	2.36	0.27
020.50	9	0.00	1.01	0.19	151.XX	10	- 0.68	2.32	0.34
020.99	2	0.00	0.00	0.00	165.00	9	- 0.506	1.744	0.431
020.XX	44	- 0.04	1.30	0.54	165.99	16	- 0.203	2.853	0.781
030.XX	4	0.00	1.08	0.07	165.XX	25	- 0.098	2.264	0.624
040.20	2	0.00	1.21	0.15	171.10	2	0.000	1.207	0.147
040.XX	5	- 1.75	4.02	0.47	171.XX	2	0.000	1.207	0.147
041.10	19	0.40	2.21	0.76	181.00	2	0.00	1.21	0.12
041.40	5	0.00	1.02	0.26	181.30	12	- 0.19	1.45	0.33
041.50	12	- 0.17	1.45	0.57	181.XX	14	- 0.14	1.36	0.30
041.60	13	- 0.09	0.99	0.44	190.00	14	- 1.88	7.23	0.24
041.99	2	0.00	0.85	0.62	190.99	2	0.00	0.61	0.75
041.XX	42	- 0.01	1.50	0.52	190.XX	16	- 1.75	7.17	0.29
048.20	4	0.00	1.08	0.01	191.30	13	- 0.30	1.39	0.17
048.XX	4	0.00	1.08	0.01	191.XX	14	- 0.29	1.38	0.17
050.00	23	- 0.15	1.95	0.44	202.30	11	0.48	1.81	0.31
050.10	2	0.00	1.22	0.05	202.XX	12	0.46	1.79	0.30
050.30	12	0.02	0.97	0.18	221.00	5	0.0000	0.9584	0.4065
050.50	8	0.66	2.09	0.07	221.30	18	2224.3	9426.1	242.37
050.51	9	- 0.13	1.04	0.66	221.XX	24	1575.5	7709.7	198.23
050.60	6	0.00	1.02	0.22	241.00	2	0.00	0.94	0.55
050.61	10	- 0.63	2.19	0.32	241.30	20	- 0.56	2.52	0.11
050.99	14	- 0.33	1.40	0.82	241.XX	23	- 0.39	1.72	0.17
050.XX	75	- 0.05	1.39	0.31	251.30	12	0.00	0.94	0.38
060.00	5	0.00	1.04	0.17	251.XX	13	0.00	0.94	0.37
060.XX	5	0.00	1.04	0.17	261.00	15	- 0.215	1.571	0.423
101.00	4	0.00	1.00	0.36	261.11	2	0.000	1.214	0.112

## 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
261.30	28	- 0.178	1.230	0.343					
261.31	2	0.000	0.321	0.836					
261.99	3	- 4.956	8.623	0.233					
261.XX	50	- 0.285	1.824	0.308					
281.99	2	0.00	1.20	0.17					
281.XX	2	0.00	1.20	0.17					
289.30	15	0.42	1.49	0.71					
289.XX	15	0.42	1.49	0.71					
291.30	10	0.15	1.06	0.25					
291.XX	11	0.14	1.07	0.25					
301.30	4	0.00	1.06	0.16					
301.XX	5	0.00	1.05	0.12					
311.00	2	7.07	10.00	0.65					
311.99	6	- 4.58	11.26	0.18					
311.XX	8	- 2.94	11.24	0.23					
321.00	18	0.331	1.501	1.382					
321.30	32	0.049	1.008	0.284					
321.99	2	0.000	1.223	0.045					
321.XX	51	0.141	1.096	0.588					