

- Pass 1 Results for 96 Labs - - Pass 2 Results for 95 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	4	14.69	0.47	0.03	4	14.69	0.47	0.03
Ammoniacal Nitrogen, Other		001.99	5	14.08	0.34	0.08	5	14.08	0.34	0.08
Method Group 001.XX PCT			9	14.35	0.50	0.06	9	14.35	0.50	0.06
Nitrate Nitrogen, Other		002.99	4	0.65	0.04	0.03	4	0.65	0.04	0.03
Ammon & Nitrate N, Devarda	892.01	009.10	5	14.70	0.55	0.02	5	14.70	0.55	0.02
Ammon & Nitrate N, Other		009.99	1	15.05	0.07	0.10	1	15.05	0.07	0.10
Method Group 009.XX PCT			6	14.76	0.52	0.04	6	14.76	0.52	0.04
Total Nitrogen, Modified Comprehensive	978.02	010.11	3	14.55	0.39	0.03	3	14.55	0.39	0.03
Total Nitrogen, Salicylic	955.04D	010.12	5	14.76	0.29	0.07	6	14.65	0.38	0.07
Total Nitrogen, Combustion		010.60	65	15.07	0.21	0.11	63	15.08	0.20	0.10
Total Nitrogen, Other		010.99	5	14.86	0.18	0.07	5	14.86	0.18	0.07
Method Group 010.XX PCT			81	15.01	0.28	0.10	79	15.01	0.28	0.09
Total Phosphate, Grav Quimociac	962.02	020.10	5	4.90	0.05	0.02	5	4.90	0.05	0.02
Total Phosphate, Spectrometric	958.01	020.20	17	4.95	0.20	0.08	17	4.95	0.20	0.08
Total Phosphate, Automated	978.01	020.40	5	4.93	0.10	0.07	5	4.93	0.10	0.07
Total Phosphate, ICP		020.50	20	4.97	0.24	0.11	19	4.96	0.24	0.09
Total Phosphate, Other		020.99	6	5.09	0.24	0.04	6	5.09	0.24	0.04
Method Group 020.XX PCT			54	4.98	0.22	0.08	52	4.97	0.21	0.07
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.03	0.00	0.00	1	0.03	0.00	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.06	0.01	0.02	1	0.06	0.01	0.02
Insoluble Phosphate, ICP		030.50	2	0.01	0.00	0.01	2	0.01	0.00	0.01
Method Group 030.XX PCT			4	0.03	0.02	0.01	4	0.03	0.02	0.01
InDir Available Phosphate, Grav Quim	960.02	040.10	1	4.89	0.04	0.05	1	4.89	0.04	0.05
InDir Available Phosphate, Automated	960.02	040.40	1	4.90	0.11	0.15	1	4.90	0.11	0.15
InDir Available Phosphate, ICP		040.50	2	4.91	0.20	0.12	2	4.91	0.20	0.12
InDir Available Phosphate, Other		040.99	1	5.05	0.02	0.03	1	5.05	0.02	0.03
Method Group 040.XX PCT			5	4.93	0.14	0.09	5	4.93	0.14	0.09
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	13	4.93	0.06	0.04	13	4.93	0.06	0.04
Dir Available Phosphate, Automated	978.01	041.40	3	4.99	0.18	0.04	3	4.99	0.18	0.04
Dir Available Phosphate, ICP		041.50	13	4.87	0.18	0.08	13	4.87	0.18	0.08
Dir Available Phosphate, EDTA Extract	993.01	041.60	10	5.01	0.11	0.08	9	5.02	0.10	0.06
Dir Available Phosphate, Other		041.99	4	4.99	0.22	0.08	4	4.99	0.22	0.08
Method Group 041.XX PCT			44	4.94	0.16	0.07	42	4.93	0.16	0.06
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	4.61	0.08	0.10	3	4.61	0.08	0.10
Water Soluble Phosphate, ICP		048.50	2	4.69	0.38	0.14	2	4.69	0.38	0.14
Method Group 048.XX PCT			5	4.64	0.23	0.11	5	4.64	0.23	0.11
Soluble Potash, STPB Oxalate	958.02	050.00	17	10.19	0.30	0.13	17	10.19	0.30	0.13
Soluble Potash, STPB Citrate	969.04	050.10	1	10.75	0.07	0.10	1	10.75	0.07	0.10
Soluble Potash, AA (Oxalate)		050.30	5	10.13	0.42	0.17	5	10.13	0.42	0.17

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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 (Citrate)		050.31	1	10.71	0.28	0.39	1	10.71	0.28	0.39
Soluble Potash, ICP (Oxalate)		050.50	10	10.29	0.40	0.26	10	10.29	0.40	0.26
Soluble Potash, ICP (Citrate)		050.51	13	10.33	0.29	0.08	12	10.31	0.29	0.06
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	3	10.18	0.41	0.11	3	10.18	0.41	0.11
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	10	10.20	0.17	0.07	9	10.20	0.17	0.05
Soluble Potash, Other		050.99	24	10.18	0.52	0.23	22	10.20	0.50	0.16
Method Group 050.XX PCT			86	10.23	0.42	0.16	80	10.24	0.38	0.12
Free Water, Vacuum Oven	965.08B	060.00	5	0.40	0.18	0.04	5	0.40	0.18	0.04
Free Water, Karl Fischer	972.01	060.20	1	0.87	0.02	0.03	1	0.87	0.02	0.03
Free Water, Other		060.99	1	2.01	0.18	0.26	1	2.01	0.18	0.26
Method Group 060.XX PCT			7	0.70	0.60	0.07	6	0.48	0.24	0.04
Acid Soluble Calcium, ICP		101.30	20	0.86	0.06	0.03	19	0.86	0.05	0.02
Acid Soluble Calcium, Other		101.99	1	0.87	0.02	0.03	1	0.87	0.02	0.03
Method Group 101.XX PCT			21	0.86	0.06	0.03	20	0.86	0.05	0.03
Acid Soluble Magnesium, AA	984.01	121.00	9	1.10	0.05	0.02	9	1.10	0.05	0.02
Acid Soluble Magnesium, ICP		121.30	45	1.10	0.07	0.02	44	1.09	0.06	0.02
Acid Soluble Magnesium, Other		121.99	3	1.07	0.12	0.01	3	1.07	0.12	0.01
Method Group 121.XX PCT			57	1.09	0.07	0.02	56	1.09	0.07	0.02
Water Soluble Magnesium, ICP		131.30	3	1.08	0.08	0.03	3	1.08	0.08	0.03
Water Soluble Magnesium, Other		131.99	1	1.13	0.00	0.00	1	1.13	0.00	0.00
Method Group 131.XX PCT			4	1.09	0.07	0.02	4	1.09	0.07	0.02
Sulfur, Gravimetric	980.02a	144.01	14	17.60	0.45	0.17	13	17.54	0.37	0.11
Sulfur, Gravimetric	980.02b	144.02	1	16.21	0.06	0.09	1	16.21	0.06	0.09
Sulfur, Other		144.99	34	16.64	0.96	0.26	31	16.64	0.91	0.18
Method Group 144.XX PCT			50	16.96	1.00	0.26	45	16.89	0.89	0.16
Arsenic, ICP		151.30	9	5.04	0.84	0.36	9	5.04	0.84	0.36
Arsenic, Other		151.99	3	4.16	1.48	0.18	3	4.16	1.48	0.18
Method Group 151.XX PPM			12	4.82	1.07	0.31	12	4.82	1.07	0.31
Acid Soluble Boron, Spectrometric	982.01	165.00	8	0.147	0.012	0.008	8	0.147	0.012	0.008
Acid Soluble Boron, Other		165.99	28	0.141	0.014	0.005	28	0.141	0.014	0.005
Method Group 165.XX PCT			36	0.142	0.014	0.006	35	0.142	0.013	0.005
Water Soluble Boron, Other		171.99	2	0.145	0.012	0.012	2	0.145	0.012	0.012
Cadmium, Atomic Absorption		181.00	1	4.00	0.11	0.15	1	4.00	0.11	0.15
Cadmium, ICP		181.30	13	4.15	0.31	0.25	12	4.12	0.25	0.18
Method Group 181.XX PPM			14	4.14	0.30	0.25	13	4.11	0.24	0.18
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	2	6.53	0.21	0.25	2	6.53	0.21	0.25
Chromium, ICP		191.30	14	42.98	4.64	2.73	14	42.98	4.64	2.73
Chromium, Other		191.99	1	26.25	0.07	0.10	1	26.25	0.07	0.10
Method Group 191.XX PPM			15	41.86	6.17	2.56	15	41.86	6.17	2.56

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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
Acid Soluble Cobalt, ICP	965.11	202.30	16	4.27	1.25	0.38	15	4.27	1.28	0.32
Acid Soluble Cobalt, Other		202.99	1	1.35	0.07	0.10	1	1.35	0.07	0.10
Method Group 202.XX PPM			17	4.10	1.40	0.36	16	4.09	1.43	0.31
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0025	0.0001	0.0001	2	0.0025	0.0001	0.0001
Acid Soluble Copper, ICP		221.30	24	0.0023	0.0004	0.0001	23	0.0023	0.0004	0.0001
Acid Soluble Copper, Other		221.99	1	0.0019	0.0002	0.0003	1	0.0019	0.0002	0.0003
Method Group 221.XX PCT			27	0.0023	0.0004	0.0001	26	0.0023	0.0004	0.0001
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	9	0.73	0.04	0.03	9	0.73	0.04	0.03
Acid Soluble Iron, ICP		241.30	40	0.69	0.10	0.03	37	0.69	0.09	0.03
Acid Soluble Iron, Other		241.99	3	0.63	0.12	0.07	3	0.63	0.12	0.07
Method Group 241.XX PCT			53	0.69	0.10	0.04	49	0.70	0.08	0.03
Lead, Atomic Absorption		251.00	1	2.40	0.12	0.17	1	2.40	0.12	0.17
Lead, ICP		251.30	10	2.69	0.56	0.61	9	2.71	0.46	0.44
Lead, Other		251.99	1	2.20	0.14	0.20	1	2.20	0.14	0.20
Method Group 251.XX PPM			12	2.62	0.54	0.54	10	2.57	0.29	0.25
Acid Soluble Manganese, ICP	972.02a	261.30	14	0.010	0.001	0.001	13	0.011	0.001	0.000
Acid Soluble Manganese, Other		261.99	1	0.010	0.000	0.000	1	0.010	0.000	0.000
Method Group 261.XX PCT			15	0.010	0.001	0.001	14	0.010	0.001	0.000
Mercury, ICP		281.30	2	0.28	0.31	0.01	2	0.28	0.31	0.01
Molybdenum, ICP		289.30	14	3.22	0.65	0.30	13	3.14	0.57	0.24
Molybdenum, Other		289.99	1	1.85	0.07	0.10	1	1.85	0.07	0.10
Method Group 289.XX PPM			15	3.13	0.72	0.28	14	3.04	0.64	0.23
Nickel, ICP		291.30	15	13.95	2.04	0.68	15	13.95	2.04	0.68
Nickel, Other		291.99	1	7.60	0.42	0.60	1	7.60	0.42	0.60
Method Group 291.XX PPM			16	13.56	2.52	0.68	16	13.56	2.52	0.68
Selenium, ICP		301.30	2	0.20	0.23	0.01	2	0.20	0.23	0.01
Sodium, Flame Photometric	974.01	311.30	2	0.28	0.01	0.01	2	0.28	0.01	0.01
Sodium, Other		311.99	8	0.27	0.02	0.01	8	0.27	0.02	0.01
Method Group 311.XX PCT			10	0.27	0.02	0.01	10	0.27	0.02	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	11	0.128	0.008	0.008	11	0.128	0.008	0.008
Acid Soluble Zinc, ICP		321.30	42	0.126	0.013	0.007	41	0.126	0.013	0.007
Acid Soluble Zinc, Other		321.99	4	0.133	0.017	0.006	3	0.137	0.016	0.001
Method Group 321.XX PCT			57	0.127	0.013	0.007	56	0.127	0.012	0.007
Water Soluble Zinc, ICP		325.30	1	0.131	0.001	0.001	1	0.131	0.001	0.001
Water Soluble Zinc, Other		325.99	2	0.208	0.095	0.013	2	0.208	0.095	0.013
Method Group 325.XX PCT			3	0.182	0.084	0.009	3	0.182	0.084	0.009

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT Ammoniacal Nitrogen <u>MqO Distillation</u>			Meth: 009.10 PCT Ammon & Nitrate N <u>Devarda</u>			Meth: 010.12 PCT Total Nitrogen <u>Salicylic</u>			Meth: 010.60 PCT Total Nitrogen <u>Combustion</u>			Meth: 010.60 PCT Total Nitrogen <u>Combustion</u>		
257	15.43	1.57	444	15.26	1.01	Avg	14.76		232	15.12	.21	102	14.68	-1.97
Avg	14.69		090	15.20	.90	455	14.53	-.33	117	15.10	.12	423	14.60	-2.39
444	14.58	-.24	489	14.88	.32	481	14.34	-.83	040	15.10	.12	422	14.39 s	-3.42
232	14.47	-.47	Avg	14.70		254	14.08 S	-1.52	421	15.09	.09	393	14.27 s	-3.99
456	14.29	-.86	393	14.20	-.91				Avg	15.08				
			169	13.97	-1.32	Meth: 010.60 PCT Total Nitrogen <u>Combustion</u>			041	15.07	-.06	Meth: 010.99 PCT Total Nitrogen <u>Other</u>		
Meth: 001.99 PCT Ammoniacal Nitrogen <u>Other</u>			Meth: 009.99 PCT Ammon & Nitrate N <u>Other</u>			483	15.83 s	3.80	057	15.08	-.12	443	15.05	-.28
096	14.49	1.17	258	15.05	-.71	479	15.78 s	3.50	231	15.03	-.25	443	15.05	-.28
027	14.33	.71				444	15.57	2.51	443	15.05	-.28	405	15.03	-.28
489	14.18	.27				255	15.48	2.05	105	15.04	-.30	105	15.04	-.30
Avg	14.08					177	15.43	1.76	485	15.07	-.33	485	15.07	-.33
420	13.82	-.77	Meth: 009.XX PCT <u>Ammon & Nitrate N</u>			451	15.38	1.65	035	15.05	-.37	275	15.00	-.37
393	13.61	-1.40	444	15.26	.96	023	15.34	1.38	325	15.00	-.37	325	15.00	-.37
			090	15.20	.85	292	15.34	1.31	351	15.02	-.44	136	14.99	-.45
Meth: 001.XX PCT <u>Ammoniacal Nitrogen</u>			258	15.05	.57	034	15.30	1.17	049	15.03	-.50			
257	15.43	2.15	489	14.88	.23	324	15.30	1.11	055	15.01	-.51	Meth: 010.XX PCT <u>Total Nitrogen</u>		
444	14.58	.45	Avg	14.76		072	15.28	.99	027	15.04	-.51	483	15.83 s	2.92
096	14.49	.27	393	14.20	-1.08	426	15.25	.94	043	14.96	-.58	479	15.78	2.71
232	14.47	.24	169	13.97	-1.52	018	15.25	.90	157	15.00	-.62	444	15.57	2.01
Avg	14.35					230	15.15	.83	406	14.96	-.62	255	15.48	1.68
027	14.33	-.07	Meth: 010.11 PCT Total Nitrogen <u>Modified Comprehensive</u>			131	15.23	.75	073	14.93	-.75	177	15.43	1.48
456	14.29	-.14	105	15.04	1.26	029	15.12	.73	022	15.05	-.75	451	15.38	1.38
489	14.18	-.36	Avg	14.55		042	15.19	.62	037	15.02	-.82	023	15.34	1.20
420	13.82	-1.07	309	14.41	-.37	330	15.20	.62	489	14.89	-.92	292	15.34	1.16
393	13.61	-1.50	211	14.21	-.89	233	15.19	.60	095	14.91	-.93	034	15.30	1.05
			470	13.93 S	-1.63	009	15.20	.59	472	14.87	-1.03	324	15.30	1.02
Meth: 002.99 PCT Nitrate Nitrogen <u>Other</u>			Meth: 010.12 PCT Total Nitrogen <u>Salicylic</u>			390	15.12	.56	402	14.80	-1.37	072	15.28	.93
489	0.70	1.40	450	15.15	.45	354	15.16	.54	488	14.95 R	-1.39	426	15.25	.88
027	0.66	.20	482	15.15	.45	096	15.18	.53	260	14.77	-1.52	018	15.25	.86
Avg	0.65		389	15.15	.45	450	15.15	.45	368	14.77	-1.54	131	15.23	.75
393	0.65	-.44	397	15.01	.97	452	15.16	.43	234	14.78	-1.55	230	15.15	.72
232	0.61	-1.14	416	15.01	.95	086	15.09	.30	007	14.75	-1.63	330	15.20	.66
			185	14.93	.75	360	15.12	.27	307	14.95 R	-1.74	042	15.19	.65
									291	14.72	-1.79	009	15.20	.65

* 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: 020.50 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>		
233	15.19	.64	397	15.01	-.27	<u>Grav Quimociac</u>			<u>ICP</u>			444	5.38	1.99
029	15.12	.62	185	14.93	-.30	090	4.92	.52	483	5.33	1.67	483	5.33 R	1.89
096	15.18	.60	073	14.93	-.31	Avg	4.90		422	5.10 R	1.39	460	5.30	1.60
354	15.16	.57	486	14.92	-.32	211	4.89	-.27	444	5.25	1.27	455	5.30	1.60
037	15.02	.55	157	15.00	-.35	157	4.82	-1.61	390	5.20	1.03	422	5.10 R	1.58
022	15.05	.55	476	14.92 X	-.38	Meth: 020.20 PCT			291	5.19	.94	489	5.29	1.56
452	15.16	.52	489	14.89	-.43	<u>Total Phosphate</u>			452	5.17	.92	444	5.25	1.43
390	15.12	.52	095	14.91	-.48	<u>Spectrometric</u>			426	5.12	.78	443	5.25	1.36
389	15.15	.52	472	14.87	-.51	489	5.29	1.70	393	5.07	.49	390	5.20	1.15
482	15.15	.52	200	14.84	-.61	309	5.12	1.04	479	5.06	.42	291	5.19	1.05
450	15.15	.52	402	14.80	-.75	231	5.15	1.02	402	5.06	.41	452	5.17	1.03
360	15.12	.40	260	14.77	-.86	292	5.15	.99	025	5.03	.34	309	5.12	.94
232	15.12	.37	368	14.77	-.88	406	5.15	.97	Avg	4.96		231	5.15	.92
027	15.04	.35	234	14.78	-.89	234	5.10	.75	421	4.95	-.06	292	5.15	.88
086	15.09	.34	488	14.95 R	-.91	232	5.01	.45	368	4.87	-.44	426	5.12	.87
049	15.03	.32	007	14.75	-.94	324	5.00	.24	389	4.80	-.67	406	5.15	.86
117	15.10	.31	291	14.72	-1.05	Avg	4.95		330	4.80	-.67	476	5.13 X	.77
040	15.10	.31	307	14.95 R	-1.17	481	4.94	-.10	307	4.78	-.78	234	5.10	.66
487	15.06	.31	102	14.68	-1.17	416	4.92	-.21	255	4.76	-.91	393	5.07	.54
485	15.07	.30	423	14.60	-1.47	177	4.91	-.23	157	4.73	-.98	456	5.07	.54
035	15.05	.28	460	14.55	-1.64	450	4.86	-.76	451	4.59	-1.60	479	5.06	.45
421	15.09	.28	455	14.53	-1.72	258	4.86	-.76	371	4.49	-1.98	402	5.06	.44
057	15.08	.24	309	14.41	-2.12	257	4.77	-.95	482	3.76 s	-5.04	232	5.01	.39
351	15.02	.24	422	14.39	-2.21	169	4.77	-.95	Meth: 020.99 PCT			025	5.03	.36
443	15.05	.22	481	14.34	-2.38	200	4.63	-1.64	<u>Total Phosphate</u>			324	5.00	.16
041	15.07	.19	393	14.27	-2.62	420	4.62	-1.72	<u>Other</u>			Avg	4.97	
105	15.04	.18	211	14.21	-2.83	428	4.18 s	-3.95	455	5.30	.85	421	4.95	-.09
105	15.04	.15	254	14.08 s	-3.30	Meth: 020.40 PCT			460	5.30	.85	470	4.95	-.10
405	15.03	.10	255	13.98 s	-3.63	<u>Total Phosphate</u>			443	5.25	.66	041	4.95	-.12
231	15.03	.05	420	13.97 s	-3.69	<u>Automated</u>			476	5.13 X	.16	027	4.96	-.13
Avg	15.01		470	13.93 s	-3.83	456	5.07	1.38	Avg	5.09		487	4.93	-.23
416	15.01	-.03	Meth: 020.10 PCT			487	4.93	-.69	487	4.93	-.69	416	4.92	-.26
325	15.00	-.04	<u>Total Phosphate</u>			096	4.96	.84	322	4.67	-1.77	090	4.92	-.27
275	15.00	-.04	<u>Grav Quimociac</u>			027	4.96	.31				177	4.91	-.28
136	14.99	-.10	444	5.38 s	9.12	Avg	4.93					211	4.89	-.37
043	14.96	-.19	041	4.95	.96	035	4.88	-.59				096	4.96	-.41
406	14.96	-.23	470	4.95	.79	042	4.81	-1.21				035	4.88	-.44
055	15.01	-.27												

* 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: 020.XX PCT			Meth: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.50 PCT			Meth: 041.XX PCT		
<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
368	4.87	-.53	096	0.06	1.51	255	4.75	-1.46	ICP			486	5.29	2.32
157	4.82	-.70	090	0.03	.06				423	4.95	.42	027	5.17	1.56
042	4.81	-.76	Avg	0.03		Meth: 041.10 PCT			354	4.95	.42	452	5.16	1.49
258	4.86	-.77	479	0.02	-.68	Dir Available Phosph			Avg	4.87		231	5.15	1.42
450	4.86	-.77	255	0.01	-.87	<u>Grav Quimociac</u>			368	4.79	-.43	325	5.05 R	1.12
330	4.80	-.80				022	5.05	1.95	137	4.85	-.45	034	5.10	1.07
389	4.80	-.80	Meth: 040.10 PCT			072	5.00	1.04	043	4.78	-.52	117	5.10	1.06
307	4.78	-.93	InDir Available Phos			485	4.99	.92	360	4.73	-.76	029	5.06	.88
257	4.77	-.97	<u>Grav Quim</u>			102	4.95	.81	007	4.58	-1.64	022	5.05	.81
169	4.77	-.97	090	4.89	.71	185	4.97	.58	393	4.57	-1.69	105	5.04	.78
255	4.76	-1.07				Avg	4.93					043	5.06	.78
157	4.73	-1.16	Meth: 040.40 PCT			049	4.93	-.05	Meth: 041.60 PCT			023	5.02	.64
322	4.67	-1.44	InDir Available Phos			105	4.93	-.16	Dir Available Phosph			095	5.02	.55
200	4.63	-1.62	<u>Automated</u>			009	4.93	-.31	<u>EDTA Extract</u>			055	5.01	.49
420	4.62	-1.70	096	4.90	.71	086	4.91	-.43	231	5.15	1.39	072	5.00	.43
451	4.59	-1.87				040	4.90	-.52	034	5.10	.81	018	4.97	.40
371	4.49	-2.31	Meth: 040.50 PCT			055	4.90	-.69	117	5.10	.78	485	4.99	.38
428	4.18 s	-3.82	InDir Available Phos			131	4.86	-1.17	029	5.06	.74	233	4.99	.37
482	3.76 s	-5.82	<u>ICP</u>			260	4.82	-1.83	043	5.06	.32	102	4.95	.34
			072	5.07	.80	254	4.64 s	-4.60	Avg	5.02		185	4.97	.24
			Avg	4.91					233	4.99	-.35	354	4.95	.12
Meth: 030.10 PCT			255	4.75	-.92	Meth: 041.40 PCT			018	4.97	-.76	423	4.95	.11
Insoluble Phosphate						Dir Available Phosph			136	4.91	-1.18	Avg	4.93	
<u>Grav Quimociac</u>			Meth: 040.99 PCT			<u>Automated</u>			037	4.89	-1.61	049	4.93	-.02
090	0.03	.00	InDir Available Phos			027	5.17	1.05	057	4.92 R	-1.80	105	4.93	-.07
			<u>Other</u>			095	5.02	.17	105	4.60 s	-7.29	009	4.93	-.13
Meth: 030.40 PCT			488	10.56 s	260.31	Avg	4.99		397	4.24 s	-8.29	136	4.91	-.15
Insoluble Phosphate			479	5.05	.71	131	4.78	-1.17				086	4.91	-.18
<u>Automated</u>			Avg	5.05		472	4.64 S	-2.63	Meth: 041.99 PCT			040	4.90	-.21
096	0.06	.71							Dir Available Phosph			055	4.90	-.29
			Meth: 040.XX PCT			Meth: 041.50 PCT			<u>Other</u>			131	4.86	-.49
Meth: 030.50 PCT			InDir Available Phos			Dir Available Phosph			486	5.29	1.40	009	4.92	-.49
Insoluble Phosphate			488	10.56 s	41.11	<u>ICP</u>			105	5.04	.37	485	4.85	-.55
<u>ICP</u>			072	5.07	1.07	452	5.16	1.58	Avg	4.99		037	4.89	-.58
479	0.02	1.12	479	5.05	.84	325	5.05	1.19	485	4.85	-.61	137	4.85	-.74
Avg	0.01		Avg	4.93		023	5.02	.84	230	4.76	-1.01	260	4.82	-.76
255	0.01	-.50	090	4.89	-.38	055	5.01	.74				368	4.79	-.89
			096	4.90	-.61	009	4.92	.46				057	4.92 R	-.90

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.XX PCT			Meth: 050.00 PCT			Meth: 050.31 PCT			Meth: 050.60 PCT			Meth: 050.99 PCT		
<u>Dir Available Phosph</u>			Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash		
043	4.78	-.99	<u>STPB Oxalate</u>			<u>AA (Citrate)</u>			<u>Flame (Oxalate)</u>			<u>Other</u>		
131	4.78	-1.01	102	11.95 s	5.94	254	12.30 S	5.77	169	10.64	1.11	Avg	10.20	
230	4.76	-1.11	257	10.79	2.12	472	10.71	.71	105	10.19	.12	330	10.20	-.01
360	4.73	-1.27	022	10.40	.97	Avg	10.71		Avg	10.18		307	10.20	-.12
254	4.64	-1.91	258	10.47	.92	Meth: 050.50 PCT			406	9.73	-1.11	025	10.15	-.15
007	4.58	-2.31	416	10.44	.82	Soluble Potash			443	8.50 S	-4.10	177	10.12	-.17
393	4.57	-2.37	230	10.30	.76	<u>ICP (Oxalate)</u>			Meth: 050.61 PCT			255	10.04	-.35
472	4.64 s	-2.82	057	10.37	.62	354	11.17	2.22	Soluble Potash			450	10.14	-.35
105	4.60 s	-4.21	489	10.29	.33	390	10.42	.97	<u>Flame (Citrate)</u>			232	9.99	-.45
397	4.24 s	-4.60	470	10.20	.02	422	10.38	.97	095	11.09 s	5.22	043	9.97	-.47
Meth: 048.20 PCT			072	10.19	.00	426	10.49	.75	456	10.58	2.25	042	10.14	-.47
<u>Water Soluble Phosph</u>			231	10.14	-.20	Avg	10.29		029	10.22 R	.78	027	9.96	-.50
<u>Spectrometric</u>			009	10.11	-.27	292	10.15	-.36	018	10.20	.59	200	9.91	-.59
479	4.68	.91	211	10.10	-.30	055	10.14	-.41	041	10.30	.57	481	9.79	-.84
Avg	4.61		090	10.10	-.35	444	10.15	-.43	034	10.21	.06	368	9.84	-.86
096	4.60	-.85	055	10.13	-.36	324	10.05	-.61	Avg	10.20		482	9.64	-1.16
420	4.56	-.98	233	9.96	-.76	420	10.05	-.62	105	10.20	-.03	488	9.48 R	-1.72
Meth: 048.50 PCT			444	9.72	-1.71	157	9.92	-.93	131	10.13	-.40	402	9.27	-1.89
<u>Water Soluble Phosph</u>			397	9.56	-2.12	Meth: 050.51 PCT			057	10.11	-.52	Meth: 050.XX PCT		
<u>ICP</u>			Meth: 050.10 PCT			Soluble Potash			037	10.09	-.64	<u>Soluble Potash</u>		
444	5.01	.90	Soluble Potash			<u>ICP (Citrate)</u>			035	9.98	-1.38	486	12.53 s	6.00
Avg	4.69		<u>STPB Citrate</u>			023	10.71	1.41	Meth: 050.99 PCT			260	12.42 s	5.69
393	4.37	-.83	117	10.75	.71	072	10.70	1.36	Soluble Potash			428	12.38 s	5.59
Meth: 048.XX PCT			Meth: 050.30 PCT			452	10.69	1.31	<u>Other</u>			254	12.30 s	5.37
<u>Water Soluble Phosph</u>			Soluble Potash			483	10.57 R	1.06	486	12.53 s	4.70	476	12.13 s	4.92
444	5.01	1.68	<u>AA (Oxalate)</u>			291	10.56	.85	260	12.42 S	4.46	451	11.67 s	3.76
479	4.68	.18	428	12.38 S	5.38	389	10.35	.22	476	12.13 S	3.87	455	11.31	2.78
Avg	4.64		234	12.09 S	4.68	Avg	10.31		451	11.67 S	2.97	455	11.31	2.78
096	4.60	-.34	185	10.75	1.53	096	10.30	-.04	455	11.31	2.22	460	11.25	2.64
420	4.56	-.44	309	10.16	.39	423	10.23	-.29	460	11.25	2.11	354	11.17	2.43
393	4.37	-1.16	Avg	10.13		007	10.16	-.56	322	10.98	1.57	095	11.09	2.21
			073	10.13	-.08	009	10.12	-.67	487	10.67	1.18	322	10.98	1.94
			040	10.05	-.22	043	10.03	-1.00	325	10.45 R	1.03	257	10.79	1.54
			351	9.54	-1.39	485	9.96	-1.25	360	10.46	.57	487	10.67 R	1.46
						137	9.95	-1.33	105	10.25	.22	185	10.75	1.39
						393	8.82 s	-5.24	131	10.22	.04	117	10.75	1.34

* 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: 050.XX PCT			Meth: 101.30 PCT			Meth: 101.XX PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>		
472	10.71	1.32	131	10.13	-.29	402	9.27	-2.54	ICP			096	0.89	.62
325	10.45 R	1.30	055	10.14	-.31	393	8.82 A	-3.72	422	1.45 s	10.89	371	0.89	.59
023	10.71	1.24	073	10.13	-.31	443	8.50 s	-4.55	483	1.09 s	4.16	057	0.89	.57
072	10.70	1.20	009	10.12	-.31				393	0.98	2.15	009	0.88	.47
452	10.69	1.17	177	10.12	-.32	Meth: 060.00 PCT			041	0.91	1.20	354	0.86	.38
390	10.42 R	1.06	057	10.11	-.34	Free Water			452	0.91	1.03	488	0.87	.31
169	10.64	1.06	009	10.11	-.34	<u>Vacuum Oven</u>			096	0.89	.61	423	0.87	.29
422	10.38 R	1.04	029	10.22	-.34	096	0.73	1.81	371	0.89	.58	389	0.87	.15
483	10.57	.95	444	10.15	-.35	Avg	0.40		057	0.89	.57	Avg	0.86	
456	10.58	.89	211	10.10	-.36	416	0.38	-.16	009	0.88	.47	131	0.86	-.06
426	10.49	.87	055	10.13	-.37	456	0.37	-.22	354	0.86	.37	232	0.86	-.42
291	10.56	.82	090	10.10	-.39	007	0.30	-.57	423	0.87	.29	086	0.84	-.43
022	10.40	.67	037	10.09	-.39	489	0.24	-.92	389	0.87	.16	421	0.85	-.53
360	10.46	.65	309	10.16	-.47				Avg	0.86		420	0.82	-.66
258	10.47	.59	450	10.14	-.50	Meth: 060.20 PCT			131	0.86	-.06	102	0.82	-.79
230	10.30	.55	040	10.05	-.51	Free Water			232	0.86	-.41	035	0.81	-.84
416	10.44	.51	324	10.05	-.51	<u>Karl Fischer</u>			086	0.84	-.41	307	0.79	-1.30
057	10.37	.37	420	10.05	-.52	371	0.87	.71	421	0.85	-.52	472	0.81 R	-1.81
389	10.35	.32	255	10.04	-.55				420	0.82	-.64	482	0.73	-2.52
105	10.25	.26	043	10.03	-.56	Meth: 060.99 PCT			102	0.82	-.76	022	0.44 s	-10.29
096	10.30	.16	042	10.14	-.65	Free Water			035	0.81	-.82			
041	10.30	.15	232	9.99	-.67	<u>Other</u>			307	0.79	-1.26	Meth: 121.00 PCT		
489	10.29	.13	043	9.97	-.71	443	2.01	.71	472	0.81 R	-1.76	Acid Soluble Magnesi		
Avg	10.24		035	9.98	-.72				482	0.73	-2.46	<u>AA</u>		
131	10.22	-.06	233	9.96	-.72	Meth: 060.XX PCT			022	0.44 s	-10.04	169	1.76 S	13.23
423	10.23	-.06	485	9.96	-.74	<u>Free Water</u>						309	1.59 S	9.78
034	10.21	-.09	027	9.96	-.75	443	2.01 R	6.29	Meth: 101.99 PCT			200	1.51 S	8.16
330	10.20	-.10	137	9.95	-.81	371	0.87	1.58	Acid Soluble Calcium			257	1.15	.86
470	10.20	-.12	157	9.92	-.83	096	0.73	1.03	<u>Other</u>			177	1.13	.65
105	10.20	-.12	200	9.91	-.86	Avg	0.48		488	0.87	.71	040	1.13	.58
072	10.19	-.13	481	9.79	-1.18	416	0.38	-.42				397	1.13	.55
105	10.19	-.18	368	9.84	-1.19	456	0.37	-.47	Meth: 101.XX PCT			028	1.12	.39
307	10.20	-.19	406	9.73	-1.35	007	0.30	-.74	Acid Soluble Calcium			481	1.11	.31
007	10.16	-.24	444	9.72	-1.45	489	0.24	-1.00	422	1.45 s	11.15	043	1.11	.25
292	10.15	-.25	482	9.64	-1.60				483	1.09 s	4.26	Avg	1.10	
025	10.15	-.27	397	9.56	-1.79				393	0.98	2.19	485	1.08	-.58
231	10.14	-.28	351	9.54	-1.82				041	0.91	1.23	029	0.98	-2.46
018	10.20	-.28	488	9.48 R	-2.32				452	0.91	1.05			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 121.30 PCT			Meth: 121.30 PCT			Meth: 121.XX PCT			Meth: 121.XX PCT			Meth: 144.01 PCT		
Acid Soluble Magnesi			Acid Soluble Magnesi			Acid Soluble Magnesi			Acid Soluble Magnesi			Sulfur		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>Gravimetric</u>		
042	1.35 s	4.04	479	1.05	-.78	460	1.15	.86	420	1.04	-.91	055	18.00	1.24
483	1.24	2.29	232	1.04	-.86	027	1.15	.83	041	1.03	-1.03	397	17.79	.67
049	1.22	1.99	230	1.04	-.90	257	1.15	.79	393	1.02	-1.18	324	17.65	.33
472	1.19 R	1.69	420	1.04	-.92	488	1.14	.77	433	1.00	-1.43	485	17.56	.15
390	1.19	1.50	041	1.03	-1.05	177	1.13	.63	482	0.99	-1.65	Avg	17.54	
421	1.19	1.42	393	1.02	-1.21	023	1.13	.61	422	0.99	-1.68	095	17.46	-.27
452	1.18	1.31	433	1.00	-1.46	009	1.13	.61	029	0.98	-1.69	029	17.52	-.33
426	1.16	1.14	482	0.99	-1.68	040	1.13	.58	307	0.96	-2.09	233	17.32	-.59
231	1.16	1.08	422	0.99	-1.71	397	1.13	.56	486	0.91	-2.77	102	17.33	-.59
450	1.16	1.03	090	1.13	.53	090	1.13	.53	035	0.11 s	-14.89	040	17.30	-.64
354	1.15	.99	233	1.12	.46	233	1.12	.46	Meth: 131.30 PCT			444	17.00	-1.45
360	1.16	.99	035	0.11 s	-15.22	028	1.12	.40	<u>Water Soluble Magnes</u>			230	16.95	-1.72
027	1.15	.85	Meth: 121.99 PCT			368	1.11	.38	<u>ICP</u>			Meth: 144.02 PCT		
023	1.13	.63	Acid Soluble Magnesi			043	1.11	.30	230	1.18	1.24	Sulfur		
009	1.13	.63	<u>Other</u>			037	1.11	.29	Avg	1.08		<u>Gravimetric</u>		
090	1.13	.55	460	1.15	.68	481	1.11	.29	027	1.05	-.51	292		
233	1.12	.47	488	1.14	.62	131	1.11	.23	444	1.01	-.85	16.21		
368	1.11	.39	Avg	1.07		055	1.11	.19	Meth: 131.99 PCT			Meth: 144.70 PCT		
037	1.11	.30	486	0.91	-1.28	291	1.10	.12	<u>Water Soluble Magnes</u>			Sulfur		
131	1.11	.24	Meth: 121.XX PCT			371	1.10	.08	<u>Other</u>			<u>Spectrometric</u>		
055	1.11	.20	<u>Acid Soluble Magnesi</u>			Avg	1.09		257	1.13	.00	200		
291	1.10	.12	169	1.76 s	10.00	095	1.09	-.11	Meth: 131.XX PCT			10.91 S		
371	1.10	.08	309	1.59 s	7.43	057	1.08	-.18	<u>Water Soluble Magnes</u>			.00		
Avg	1.09		200	1.51 s	6.22	022	1.08	-.20	230	1.18	1.19	Meth: 144.99 PCT		
095	1.09	-.11	042	1.35 s	3.95	086	1.09	-.27	257	1.13	.56	Sulfur		
057	1.08	-.19	483	1.24	2.24	258	1.08	-.28	Avg	1.09		<u>Other</u>		
022	1.08	-.20	049	1.22	1.94	485	1.08	-.28	027	1.05	-.72	390	19.25 s	2.97
086	1.09	-.27	472	1.19 R	1.65	324	1.08	-.28	444	1.01	-1.12	009	18.20 R	1.79
389	1.08	-.29	390	1.19	1.46	389	1.08	-.28	Meth: 144.01 PCT			483	18.10	1.61
258	1.08	-.29	421	1.19	1.39	157	1.07	-.43	Sulfur			452	17.93	1.40
324	1.08	-.29	452	1.18	1.27	102	1.06	-.46	<u>Gravimetric</u>			157	17.75	1.22
157	1.07	-.44	426	1.16	1.11	096	1.06	-.50	157	18.45 R	2.73	479	17.64	1.09
102	1.06	-.47	231	1.16	1.05	444	1.06	-.52	Sulfur			177	17.33	.75
096	1.06	-.51	450	1.16	1.01	255	1.05	-.73	<u>Gravimetric</u>			488	17.25	.67
444	1.06	-.53	354	1.15	.97	423	1.05	-.73	157	18.45 R	2.73	232	17.22	.63
255	1.05	-.74	360	1.16	.96	479	1.05	-.76	041	18.10	1.50	117	17.20	.61
423	1.05	-.74				232	1.04	-.84	043	18.04	1.34	037	17.18	.60

* 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: 144.99 PCT			Meth: 144.XX PCT			Meth: 144.XX PCT			Meth: 151.XX PPM			Meth: 165.99 PCT		
<u>Sulfur</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Arsenic</u>			<u>Acid Soluble Boron</u>		
<u>Other</u>			<u>Other</u>			<u>ICP</u>			<u>Spectrometric</u>			<u>Other</u>		
360	17.15	.55	157	17.75	.98	255	15.12	-2.01	095	4.44	-.35	423	0.137	-.34
027	17.13	.54	324	17.65	.86	422	15.20 R	-2.02	393	3.99	-.78	452	0.139	-.37
049	17.04	.49	479	17.64	.84	486	14.30	-2.92	102	4.07	-.83	095	0.135	-.43
351	16.99	.38	485	17.56	.75	393	14.29	-2.93	481	3.22	-1.49	009	0.138	-.48
426	16.88	.29	029	17.52	.72	200	10.91 s	-6.74	486	3.20	-1.52	258	0.135	-.53
307	16.75	.29	095	17.46	.64	Meth: 151.30 PPM			Meth: 165.00 PCT			307	0.135	-.56
291	16.87	.28	177	17.33	.50	Arsenic			Acid Soluble Boron			421	0.135	-.56
450	16.86	.24	102	17.33	.49	<u>ICP</u>			<u>Spectrometric</u>			291	0.130	-.79
023	16.81	.23	233	17.32	.48	450	6.45	1.74	489	0.165	1.60	324	0.130	-.79
389	16.65	.06	040	17.30	.46	096	5.65	.75	257	0.160	1.40	043	0.133	-.81
Avg	16.64		488	17.25	.41	233	5.56	.72	Avg	0.147		472	0.127	-1.02
368	16.59	-.06	232	17.22	.37	368	5.40	.43	200	0.146 X	-.12	086	0.125	-1.18
371	16.63	-.10	037	17.18	.36	041	5.22	.36	023	0.147	-.30	486	0.120	-1.51
482	16.50	-.27	117	17.20	.35	Avg	5.04		029	0.145	-.30	230	0.117	-1.77
472	16.25	-.43	360	17.15	.29	230	4.55	-.58	481	0.145	-.46	Meth: 165.XX PCT		
131	16.18	-.52	049	17.04	.29	095	4.44	-.71	037	0.136	-1.00	<u>Acid Soluble Boron</u>		
086	16.56 R	-.59	230	16.95	.29	393	3.99	-1.25	055	0.133	-1.26	368	0.177 s	3.88
096	15.98	-.72	027	17.13	.29	102	4.07	-1.29	Meth: 165.99 PCT			255	0.174	2.43
354	15.92	-.80	444	17.00	.12	Meth: 151.99 PPM			Acid Soluble Boron			482	0.170	2.13
481	15.91	-.81	351	16.99	.11	Arsenic			<u>Other</u>			489	0.165	1.79
444	15.57	-1.18	Avg	16.89		<u>Other</u>			368	0.177 s	3.77	257	0.160 R	1.57
255	15.12	-1.68	450	16.86	-.08	255	6.06	1.29	255	0.174	2.40	231	0.160	1.37
422	15.20 R	-1.71	426	16.88	-.13	Avg	4.16		482	0.170	2.11	483	0.159	1.33
486	14.30	-2.56	291	16.87	-.16	481	3.22	-.64	231	0.160	1.38	426	0.150	.68
393	14.29	-2.57	023	16.81	-.16	486	3.20	-.66	483	0.159	1.33	090	0.150	.68
Meth: 144.XX PCT			389	16.65	-.28	Meth: 151.XX PPM			090	0.150	.70	389	0.150	.62
<u>Sulfur</u>			371	16.63	-.31	Arsenic			426	0.150	.70	371	0.149	.52
390	19.25 R	2.79	307	16.75	-.32	<u>Other</u>			389	0.150	.66	042	0.145	.45
157	18.45 R	1.83	368	16.59	-.34	450	6.45	1.56	371	0.149	.56	354	0.145	.45
009	18.20 R	1.58	482	16.50	-.50	255	6.06	1.16	042	0.145	.47	481	0.145	.45
483	18.10	1.38	086	16.56 R	-.71	096	5.65	.79	354	0.145	.47	023	0.147	.44
041	18.10	1.36	472	16.25	-.73	233	5.56	.75	444	0.143	.12	029	0.145	.33
043	18.04	1.29	292	16.21	-.78	368	5.40	.55	433	0.142	.10	200	0.146 X	.33
055	18.00	1.25	131	16.18	-.81	041	5.22	.44	Avg	0.141		444	0.143	.07
452	17.93	1.16	096	15.98	-1.03	Avg	4.82		360	0.140	-.11	433	0.142	.06
397	17.79	1.01	354	15.92	-1.10	230	4.55	-.25	232	0.137	-.29	Avg	0.142	
			481	15.91	-1.11									
			444	15.57	-1.50									

* 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: 165.XX PCT			Meth: 181.30 PPM			Meth: 190.00 PCT			Meth: 191.XX PPM			Meth: 202.99 PPM		
<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Water Soluble Chlori</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>		
360	0.140	-.17	ICP			Titrimetric			452	47.89	.98	Other		
232	0.137	-.36	102	4.31	.79	422	6.56	1.21	009	47.40	.96	486	1.35	-.71
423	0.137	-.41	232	4.27	.70	Avg	6.53		450	47.00	.89	Meth: 202.XX PPM		
452	0.139	-.42	096	4.20	.51	009	6.50	-.16	086	45.84	.76	<u>Acid Soluble Cobalt</u>		
037	0.136	-.51	452	4.13	.36	Meth: 191.00 PPM			368	44.75	.58	233	5.87	1.28
095	0.135	-.51	Avg	4.12		Chromium			037	43.79	.32	009	5.70	1.16
009	0.138	-.53	035	4.10	-.20	<u>Atomic Absorption</u>			230	42.00	.12	096	5.70	1.13
258	0.135	-.61	230	4.01	-.54	481	132.39 S	.00	232	42.00	.04	057	5.01	.64
307	0.135	-.63	368	3.95	-.70	Meth: 191.30 PPM			Avg	41.86		035	4.88	.57
421	0.135	-.63	482	3.90	-.89	Chromium			102	40.89	-.18	086	4.77	.49
055	0.133	-.74	086	4.08	-1.07	<u>ICP</u>			035	41.85	-.20	368	4.25 R	.47
291	0.130	-.88	393	3.72	-1.61	096	49.00	1.31	482	38.95	-.48	452	4.55	.32
324	0.130	-.89	Meth: 181.99 PPM			452	47.89	1.06	393	35.48	-1.13	037	4.50	.29
043	0.133	-.89	Cadmium			009	47.40	1.05	041	34.87	-1.20	041	4.29	.27
472	0.127	-1.12	<u>Other</u>			450	47.00	.97	486	26.25	-2.53	095	4.34	.18
086	0.125	-1.28	486	2.80 S	.00	086	45.84	.82	Meth: 202.30 PPM			Avg	4.09	
486	0.120	-1.64	Meth: 181.XX PPM			368	44.75	.60	Acid Soluble Cobalt			230	3.98	-.09
230	0.117	-1.90	<u>Cadmium</u>			037	43.79	.20	<u>ICP</u>			482	4.05	-.22
Meth: 171.99 PCT			233	5.30 s	4.94	Avg	42.98		233	5.87	1.29	232	2.97	-.80
Water Soluble Boron			009	4.55 R	2.89	232	42.00	-.22	009	5.70	1.16	102	2.16	-1.34
<u>Other</u>			095	4.57	1.88	230	42.00	-.26	096	5.70	1.12	486	1.35	-1.91
027	0.153	1.01	041	4.20	1.24	035	41.85	-.36	057	5.01	.57	393	1.29	-1.95
Avg	0.145		102	4.31	.85	102	40.89	-.46	035	4.88	.50	Meth: 221.00 PCT		
444	0.138	-.69	232	4.27	.75	482	38.95	-.88	086	4.77	.41	Acid Soluble Copper		
Meth: 181.00 PPM			096	4.20	.55	393	35.48	-1.72	041	4.29	.26	<u>Atomic Absorption</u>		
Cadmium			452	4.13	.38	041	34.87	-1.83	452	4.55	.22	043	0.0026	.83
<u>Atomic Absorption</u>			Avg	4.11		Meth: 191.99 PPM			037	4.50	.18	Avg	0.0025	
481	4.00	.71	035	4.10	-.19	Chromium			095	4.34	.07	481	0.0024	-.90
Meth: 181.30 PPM			230	4.01	-.52	Other			Avg	4.27		Meth: 221.30 PCT		
Cadmium			481	4.00	-.56	486			26.25	.71		Acid Soluble Copper		
<u>ICP</u>			368	3.95	-.68	Meth: 191.XX PPM			368	4.25 R	-.51	<u>ICP</u>		
233	5.30 s	4.77	482	3.90	-.88	Chromium			232	2.97	-1.03	354	0.0100 s	19.63
009	4.55 R	2.78	086	4.08	-1.09	481			132.39 s	14.68		324	0.0082 s	15.24
095	4.57	1.79	393	3.72	-1.61	096			49.00	1.17		444	0.0040 S	4.30
041	4.20	1.20	486	2.80 s	-5.36							402	0.0030	1.75

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 221.30 PCT			Meth: 221.XX PCT			Meth: 241.00 PCT			Meth: 241.30 PCT			Meth: 241.XX PCT		
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>		
<u>ICP</u>			<u>Atomic Absorption</u>			<u>ICP</u>								
096	0.0029	1.49	102	0.0025 R	1.41	397	0.72	-.95	423	0.64	-.69	009	0.75	.70
102	0.0025 R	1.36	433	0.0028	1.16	040	0.69	-1.47	402	0.63	-.77	450	0.75	.66
433	0.0028	1.11	009	0.0026	.92	481	0.56 s	-4.15	482	0.63	-.85	360	0.75	.65
009	0.0026	.89	389	0.0026	.64	Meth: 241.30 PCT			230	0.62	-.86	055	0.72	.57
389	0.0026	.61	043	0.0026	.64	<u>Acid Soluble Iron</u>			307	0.63	-.87	035	0.74	.53
452	0.0024	.55	452	0.0024	.57	<u>ICP</u>			232	0.58	-1.26	397	0.72	.52
423	0.0025	.49	423	0.0025	.51	354	0.83 R	1.76	472	0.59	-1.36	043	0.74	.51
233	0.0025	.41	233	0.0025	.43	483	0.83	1.53	452	0.57	-1.42	037	0.73	.47
049	0.0024	.34	049	0.0024	.36	390	0.83	1.48	102	0.56	-1.54	028	0.73	.47
368	0.0024	.33	368	0.0024	.35	041	0.82	1.43	042	0.41	-3.21	479	0.74	.45
095	0.0024	.32	095	0.0024	.33	096	0.82	1.42	023	0.39 A	-3.39	029	0.73	.43
230	0.0024	.29	230	0.0024	.31	371	0.78	.98	393	0.26 s	-4.93	485	0.73	.41
086	0.0024	.24	086	0.0024	.25	027	0.77	.90	157	0.07 s	-7.00	460	0.73	.38
Avg	0.0023		481	0.0024	.24	368	0.74 R	.85	291	0.01 s	-7.72	086	0.70	.35
232	0.0023	-.06	232	0.0023	.07	426	0.76	.76	Meth: 241.99 PCT			233	0.73	.33
057	0.0023	-.11	Avg	0.0023		324	0.76	.74	<u>Acid Soluble Iron</u>			258	0.72	.32
035	0.0022	-.39	057	0.0023	-.11	009	0.75	.68	<u>Other</u>			049	0.72	.25
022	0.0022	-.39	035	0.0022	-.40	450	0.75	.65	421	0.77	1.23	095	0.72	.21
393	0.0021	-.45	022	0.0022	-.40	360	0.75	.64	Avg	0.63		444	0.72	.20
307	0.0020	-.81	393	0.0021	-.46	055	0.72	.54	488	0.60	-.42	255	0.70	.14
390	0.0020	-.81	390	0.0020	-.83	035	0.74	.54	200	0.53 X	-.91	389	0.71	.09
041	0.0020	-.81	041	0.0020	-.83	037	0.73	.48	Meth: 241.XX PCT			Avg	0.70	
483	0.0017	-1.74	307	0.0020	-.83	479	0.74	.47	<u>Acid Soluble Iron</u>			131	0.69	-.13
255	0.0012	-2.85	486	0.0019	-1.03	233	0.73	.36	354	0.83 R	1.93	022	0.66	-.48
Meth: 221.99 PCT			483	0.0017	-1.79	086	0.70	.33	483	0.83	1.66	040	0.69	-.49
<u>Acid Soluble Copper</u>			255	0.0012	-2.94	049	0.72	.29	390	0.83	1.60	057	0.66	-.51
<u>Other</u>			Meth: 241.00 PCT			095	0.72	.26	041	0.82	1.54	231	0.66	-.58
486	0.0019	.71	<u>Acid Soluble Iron</u>			444	0.72	.24	096	0.82	1.53	433	0.65	-.70
Meth: 221.XX PCT			<u>Atomic Absorption</u>			255	0.70	.16	177	0.82	2.11	423	0.64	-.86
<u>Acid Soluble Copper</u>			177	0.82	2.11	389	0.71	.14	096	0.82	1.53	402	0.63	-.95
354	0.0100 s	20.26	043	0.74	.17	Avg	0.69		177	0.82	1.51	482	0.63	-1.04
324	0.0082 s	15.74	Avg	0.73		131	0.69	-.05	421	0.77	1.03	230	0.62	-1.06
444	0.0040 s	4.45	460	0.73	-.07	022	0.66	-.35	371	0.78	1.03	307	0.63	-1.06
402	0.0030	1.81	485	0.73	-.31	057	0.66	-.39	027	0.77	.93	488	0.60	-1.42
096	0.0029	1.55	029	0.73	-.32	231	0.66	-.44	368	0.74 R	.92	232	0.58	-1.52
			028	0.73	-.59	433	0.65	-.55	426	0.76	.79	472	0.59	-1.62
			258	0.72	-.65				324	0.76	.75	452	0.57	-1.69
												481	0.56	-1.74

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 241.XX PCT			Meth: 251.XX PPM			Meth: 261.99 PCT			Meth: 289.30 PPM			Meth: 291.30 PPM		
<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			<u>Nickel</u>		
102	0.56	-1.83	452	2.97	1.57	<u>Other</u>			<u>ICP</u>			<u>ICP</u>		
200	0.53 X	-2.27	450	2.75	1.05	393	0.006 S	.00	433	3.90	1.36	009	16.10	1.14
042	0.41 A	-3.73	095	2.81	.90	488	0.010	.00	009	3.45	.96	233	16.01	1.08
023	0.39 A	-3.93	041	2.70	.63	Avg 0.010			368	3.30	.45	049	15.99	1.00
393	0.26 s	-5.68	368	2.65	.32	Meth: 261.XX PCT			035	3.14	.37	450	15.50	.80
157	0.07 s	-8.03	Avg 2.57			<u>Acid Soluble Manganese</u>			232	3.22	.18	095	15.08	.55
291	0.01 s	-8.84	230	2.56	-.19	444	0.012	1.42	Avg 3.14			086	15.03	.53
Meth: 251.00 PPM			393	2.53	-.30	096	0.012	1.24	230	3.10	-.06	368	14.65	.43
<u>Lead</u>			481	2.40	-.66	041	0.012	1.06	057	3.00	-.26	037	14.13	.21
<u>Atomic Absorption</u>			486	2.20	-1.31	009	0.012	1.04	095	2.99	-.28	230	14.30	.20
481	2.40	.71	096	2.15	-1.52	452	0.011	.47	041	2.89	-.50	Avg 13.95		
Meth: 251.30 PPM			482	2.45 R	-3.68	402	0.011	.47	102	2.78	-.64	035	13.80	-.21
<u>Lead</u>			Meth: 261.00 PCT			423	0.011	.39	452	2.76	-.66	102	13.44	-.25
<u>ICP</u>			<u>Acid Soluble Manganese</u>			Avg 0.010			393	1.98	-2.03	232	13.35	-.30
233	4.26 s	3.38	<u>AA</u>			389	0.010	-.47	Meth: 289.99 PPM			482	11.60	-1.15
102	3.32	2.35	257	0.010 S	.00	488	0.010	-.47	<u>Molybdenum</u>			041	11.60	-1.22
452	2.97	.74	Meth: 261.30 PCT			354	0.010	-.47	<u>Other</u>			393	8.73	-2.56
450	2.75	.55	<u>Acid Soluble Manganese</u>			086	0.010	-.58	486	1.85	-.71	452	3.37 s	-5.19
095	2.81	.31	<u>ICP</u>			035	0.010	-.60	Meth: 289.XX PPM			Meth: 291.99 PPM		
Avg	2.71		444	0.012	1.34	022	0.010 R	-1.05	<u>Molybdenum</u>			<u>Nickel</u>		
368	2.65	-.17	096	0.012	1.17	307	0.009	-1.42	086	4.36 R	2.19	Other		
041	2.70	-.28	041	0.012	.99	102	0.009	-1.95	233	4.27	1.91	486 7.60 .71		
230	2.56	-.36	009	0.012	.98	393	0.006 s	-4.53	433	3.90	1.34	Meth: 291.XX PPM		
393	2.53	-.44	452	0.011	.42	257	0.010 s	-9.45	009	3.45	.94	<u>Nickel</u>		
096	2.15	-1.26	423	0.011	.34	Meth: 281.30 PPM			368	3.30	.50	009	16.10	1.07
482	2.45 R	-2.38	Avg 0.011			<u>Mercury</u>			035	3.14	.36	233	16.01	1.02
Meth: 251.99 PPM			402	0.011	-.46	<u>ICP</u>			232	3.22	.28	049	15.99	.97
<u>Lead</u>			389	0.010	-.49	393	0.54	.87	230	3.10	.09	450	15.50	.80
<u>Other</u>			354	0.010	-.49	Avg 0.28			Avg 3.04			095	15.08	.61
486	2.20	-.71	086	0.010	-.59	450	0.01	-.87	057	3.00	-.12	086	15.03	.59
Meth: 251.XX PPM			035	0.010	-.61	Meth: 289.30 PPM			095	2.99	-.13	368	14.65	.49
<u>Lead</u>			022	0.010 R	-1.04	<u>Molybdenum</u>			041	2.89	-.32	230	14.30	.31
233	4.26 s	5.83	307	0.009	-1.41	<u>ICP</u>			102	2.78	-.43	037	14.13	.27
102	3.32 R	4.02	102	0.009	-1.92	086	4.36 R	2.33	452	2.76	-.44	035	13.80	.19
						233	4.27	1.99	393	1.98	-1.66	Avg 13.56		
									486	1.85	-1.86	102	13.44	-.05

* 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: 291.XX PPM</u>			<u>Meth: 311.XX PCT</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.XX PCT</u>		
<u>Nickel</u>			<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
232	13.35	-.10	102	0.28	.61	102	0.139	1.08	157	0.040 s	-6.68	233	0.129	.45
482	11.60	-.78	086	0.28	.33	292	0.130	.85	255	0.001 s	-9.69	023	0.130	.43
041	11.60	-.84	232	0.27	.15	231	0.135	.82				057	0.127	.38
393	8.73	-1.91	Avg	0.27		009	0.133	.59	<u>Meth: 321.99 PCT</u>			371	0.129	.37
486	7.60	-2.37	009	0.27	-.16	324	0.133	.59	<u>Acid Soluble Zinc</u>			360	0.130	.32
452	3.37 s	-4.04	423	0.27	-.45	027	0.129	.53	<u>Other</u>			488	0.130	.27
			307	0.26	-.75	233	0.129	.46	486	0.220 S	5.18	389	0.130	.27
<u>Meth: 301.30 PPM</u>			035	0.25	-.91	023	0.130	.46	351	0.157	1.27	450	0.127	.25
<u>Selenium</u>			482	0.24	-1.98	090	0.128	.45	Avg	0.137		402	0.129	.19
<u>ICP</u>						371	0.129	.40	488	0.130	-.43	390	0.127	.16
393	0.39	.87	<u>Meth: 321.00 PCT</u>			057	0.127	.39	460	0.124	-.84	423	0.128	.14
Avg	0.20		<u>Acid Soluble Zinc</u>			360	0.130	.37	169	0.120 R	-1.23	Avg	0.127	
041	0.00	-.87	<u>Atomic Absorption</u>			389	0.130	.33				426	0.127	-.12
			257	0.290 s	19.48	450	0.127	.26	<u>Meth: 321.XX PCT</u>			472	0.125	-.15
<u>Meth: 311.30 PCT</u>			485	0.139 X	1.80	402	0.129	.26	<u>Acid Soluble Zinc</u>			177	0.127	-.20
<u>Sodium</u>			397	0.137	1.17	423	0.128	.21	257	0.290 s	13.18	029	0.125	-.20
<u>Flame Photometric</u>			200	0.135 X	1.05	390	0.127	.18	486	0.220 s	7.52	460	0.124	-.26
105	0.28	1.09	489	0.135	1.05	426	0.127	.13	022	0.175 s	3.86	040	0.123	-.33
Avg	0.28		Avg	0.128		Avg	0.126		368	0.157 s	2.62	095	0.122	-.37
086	0.28	-.56	177	0.127	-.34	472	0.125	-.10	351	0.157	2.47	354	0.125	-.42
			029	0.125	-.41	095	0.122	-.29	096	0.157	2.44	481	0.125	-.42
<u>Meth: 311.99 PCT</u>			040	0.123	-.63	131	0.122	-.35	421	0.145	1.53	444	0.125	-.42
<u>Sodium</u>			481	0.125	-.69	037	0.123	-.38	042	0.145	1.53	049	0.125	-.42
<u>Other</u>			028	0.122	-.78	354	0.125	-.39	483	0.145	1.45	131	0.122	-.43
057	0.30	1.70	043	0.121	-.93	049	0.125	-.39	479	0.135 R	1.38	028	0.122	-.43
102	0.28	.67	258	0.120	-1.04	444	0.125	-.39	485	0.139 X	1.28	037	0.123	-.44
423	0.27	.40				041	0.120	-.45	452	0.140	1.08	043	0.121	-.53
232	0.27	.25	<u>Meth: 321.30 PCT</u>			232	0.117	-.73	102	0.139	1.05	041	0.120	-.53
009	0.27	.17	<u>Acid Soluble Zinc</u>			035	0.117	-.74	397	0.137	.87	258	0.120	-.61
Avg	0.27		<u>ICP</u>			291	0.115	-.92	292	0.130	.85	232	0.117	-.83
307	0.26	-.61	022	0.175 s	3.81	307	0.115	-.92	231	0.135	.78	035	0.117	-.84
035	0.25	-.73	368	0.157 S	2.60	433	0.114	-.99	200	0.135 X	.78	169	0.120	-.97
482	0.24	-1.73	096	0.157	2.43	230	0.110	-1.23	489	0.135	.78	291	0.115	-1.02
			042	0.145	1.55	086	0.111	-1.27	009	0.133	.55	307	0.115	-1.02
			421	0.145	1.55	055	0.109	-1.61	324	0.133	.54	433	0.114	-1.09
			483	0.145	1.48	117	0.103	-1.78	027	0.129	.52	230	0.110	-1.34
<u>Meth: 311.XX PCT</u>			479	0.135 R	1.37	482	0.090	-2.78	090	0.128	.45	086	0.111	-1.38
<u>Sodium</u>			452	0.140	1.11							055	0.109	-1.73
057	0.30	1.70												
105	0.28	.78												

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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>
Meth: 321.XX PCT											
<u>Acid Soluble Zinc</u>											
117	0.103	-1.91									
482	0.090	-2.95									
157	0.040 s	-6.97									
255	0.001 s	-10.09									
Meth: 325.30 PCT											
<u>Water Soluble Zinc</u>											
<u>ICP</u>											
393	0.131	.71									
Meth: 325.99 PCT											
<u>Water Soluble Zinc</u>											
<u>Other</u>											
257	0.290 X	.87									
Avg	0.208										
450	0.127	-.86									
Meth: 325.XX PCT											
<u>Water Soluble Zinc</u>											
257	0.290 X	1.29									
Avg	0.182										
393	0.131	-.62									
450	0.127	-.67									

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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	4	0.00	1.08	0.04	050.99	28	0.54	1.72	0.35
001.99	5	0.00	1.05	0.13	050.XX	86	0.40	1.90	0.37
001.XX	9	0.00	1.03	0.07	060.00	5	0.00	1.05	0.11
002.99	4	0.00	0.95	0.45	060.XX	7	0.89	2.55	0.21
002.XX	4	0.00	0.95	0.45	101.30	23	0.29	3.08	1.44
009.10	5	0.00	1.06	0.02	101.XX	24	0.28	3.09	1.45
009.XX	6	0.00	1.05	0.05	121.00	12	2.60	4.90	0.23
010.11	4	- 0.41	1.22	0.05	121.30	47	- 0.21	2.51	0.25
010.12	6	0.00	1.04	0.11	121.99	3	0.00	1.11	0.09
010.60	69	- 0.02	1.27	0.41	121.XX	62	0.23	2.81	0.23
010.99	7	- 1.37	2.49	0.26	131.30	3	0.00	1.09	0.20
010.XX	84	- 0.13	1.20	0.39	131.XX	4	0.00	1.06	0.19
020.10	6	1.51	3.80	0.57	144.01	14	0.17	1.16	0.39
020.20	18	- 0.22	1.32	0.29	144.99	35	0.08	1.13	0.25
020.40	5	0.00	0.96	0.41	144.XX	49	- 0.08	1.45	0.26
020.50	21	- 0.21	1.45	0.36	151.30	9	0.00	0.98	0.29
020.99	6	0.00	1.04	0.11	151.99	3	0.00	1.11	0.08
020.XX	54	- 0.15	1.34	0.32	151.XX	12	0.00	1.00	0.20
030.50	2	0.00	0.71	0.71	165.00	8	0.000	0.935	0.416
030.XX	4	0.00	1.04	0.26	165.99	29	0.089	1.072	0.566
040.50	2	0.00	1.12	0.34	165.XX	37	0.108	1.060	0.549
040.99	2	129.87	183.67	12.18	171.99	2	0.000	0.932	0.562
040.XX	6	6.84	16.77	1.15	171.XX	2	0.000	0.932	0.562
041.10	14	- 0.33	1.53	0.37	181.30	14	0.46	1.53	0.78
041.40	4	- 0.48	1.32	0.91	181.XX	16	0.08	2.08	0.76
041.50	13	0.00	0.97	0.30	190.00	2	0.00	0.22	0.85
041.60	12	- 1.13	2.65	1.86	190.XX	2	0.00	0.22	0.85
041.99	4	0.00	1.05	0.21	191.30	14	0.00	0.95	0.35
041.XX	40	- 0.15	1.23	0.64	191.XX	16	0.92	3.79	0.28
048.20	3	0.00	0.78	0.65	202.30	16	0.00	0.97	0.21
048.50	2	0.00	1.18	0.24	202.XX	17	0.01	0.97	0.18
048.XX	5	0.00	1.01	0.30	221.00	2	0.0000	1.0197	0.4797
050.00	18	0.33	1.67	0.39	221.30	27	1.4601	4.7784	0.5822
050.30	7	1.44	2.60	0.21	221.XX	30	1.3573	4.6993	0.5752
050.31	2	2.88	4.08	0.51	241.00	10	- 0.42	1.55	0.49
050.50	10	0.00	0.90	0.47	241.30	43	- 0.49	2.02	0.27
050.51	14	- 0.31	1.71	0.20	241.99	3	0.00	1.06	0.29
050.60	4	- 1.02	2.24	0.14	241.XX	56	- 0.50	2.08	0.31
050.61	11	0.49	1.80	0.33	251.30	11	0.25	1.21	0.97

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
251.XX	13	0.61	1.88	1.41					
261.30	14	- 0.035	0.947	0.369					
261.99	2	0.000	0.000	0.000					
261.XX	17	- 0.322	1.405	2.315					
281.30	2	0.00	1.22	0.02					
281.XX	2	0.00	1.22	0.02					
289.30	14	0.15	1.10	0.37					
289.XX	15	0.14	1.09	0.31					
291.30	16	- 0.32	1.61	0.22					
291.XX	17	- 0.24	1.38	0.17					
301.30	2	0.00	1.22	0.03					
301.XX	2	0.00	1.22	0.03					
311.30	2	0.00	0.76	0.68					
311.99	8	0.00	0.96	0.37					
311.XX	10	0.00	0.95	0.37					
321.00	12	1.621	5.672	0.633					
321.30	46	- 0.205	2.072	0.385					
321.99	5	0.825	2.601	0.281					
321.XX	63	0.168	2.688	0.401					
325.99	2	0.000	1.220	0.078					
325.XX	2	0.333	1.349	0.085					