

- Pass 1 Results for 86 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	9	2.81	0.10	0.03	9	2.81	0.10	0.03
Ammoniacal Nitrogen, Other		001.99	10	2.76	0.27	0.04	10	2.76	0.27	0.04
Method Group 001.XX PCT			20	2.75	0.24	0.03	20	2.75	0.24	0.03
Nitrate Nitrogen, Robertson	930.01	002.10	2	3.20	0.01	0.01	2	3.20	0.01	0.01
Nitrate Nitrogen, Jones Modified	930.02	002.20	2	3.10	0.02	0.02	2	3.10	0.02	0.02
Nitrate Nitrogen, Other		002.99	3	3.16	0.06	0.03	3	3.16	0.06	0.03
Method Group 002.XX PCT			7	3.16	0.06	0.02	7	3.16	0.06	0.02
Ammon & Nitrate N, Devarda	892.01	009.10	6	6.14	0.23	0.11	5	6.08	0.16	0.05
Ammon & Nitrate N, Other		009.99	1	6.02	0.08	0.11	1	6.02	0.08	0.11
Method Group 009.XX PCT			7	6.12	0.21	0.11	6	6.07	0.15	0.06
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	5.79	0.27	0.02	7	5.79	0.27	0.02
Total Nitrogen, Salicylic	955.04D	010.12	3	5.76	0.28	0.06	3	5.76	0.28	0.06
Total Nitrogen, Combustion		010.60	60	5.97	0.19	0.06	58	5.97	0.19	0.05
Total Nitrogen, Other		010.99	2	5.99	0.19	0.04	2	5.99	0.19	0.04
Method Group 010.XX PCT			72	5.94	0.21	0.06	70	5.94	0.21	0.05
Total Phosphate, Grav Quimociac	962.02	020.10	5	6.61	0.17	0.07	5	6.61	0.17	0.07
Total Phosphate, Spectrometric	958.01	020.20	16	6.58	0.23	0.07	16	6.58	0.23	0.07
Total Phosphate, Automated	978.01	020.40	6	6.56	0.13	0.04	6	6.56	0.13	0.04
Total Phosphate, ICP		020.50	13	6.65	0.19	0.12	13	6.65	0.19	0.12
Total Phosphate, Other		020.99	3	6.57	0.10	0.00	3	6.57	0.10	0.00
Method Group 020.XX PCT			43	6.60	0.19	0.07	39	6.62	0.16	0.05
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.04	0.01	0.01	1	0.04	0.01	0.01
Insoluble Phosphate, Automated	978.01	030.40	2	0.06	0.02	0.00	2	0.06	0.02	0.00
Insoluble Phosphate, ICP		030.50	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Insoluble Phosphate, Other		030.99	1	0.04	0.01	0.02	1	0.04	0.01	0.02
Method Group 030.XX PCT			6	0.04	0.02	0.01	5	0.04	0.03	0.00
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	6.65	0.03	0.04	1	6.65	0.03	0.04
InDir Available Phosphate, Spectrometri	960.02	040.20	1	6.70	0.01	0.02	1	6.70	0.01	0.02
InDir Available Phosphate, Automated ..	960.02	040.40	3	6.36	0.09	0.04	3	6.36	0.09	0.04
InDir Available Phosphate, ICP		040.50	2	6.36	0.44	0.05	2	6.36	0.44	0.05
InDir Available Phosphate, Other		040.99	1	6.60	0.06	0.08	1	6.60	0.06	0.08
Method Group 040.XX PCT			8	6.47	0.25	0.05	8	6.47	0.25	0.05
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	13	6.55	0.09	0.06	12	6.56	0.08	0.04
Dir Available Phosphate, Spectrometric	960.03D	041.20	2	6.32	0.11	0.13	2	6.32	0.11	0.13
Dir Available Phosphate, Automated	978.01	041.40	3	6.52	0.10	0.02	3	6.52	0.10	0.02
Dir Available Phosphate, ICP		041.50	9	6.53	0.10	0.07	9	6.53	0.10	0.07
Dir Available Phosphate, EDTA Extract .	993.01	041.60	12	6.50	0.11	0.05	11	6.49	0.10	0.03
Dir Available Phosphate, Other		041.99	1	6.54	0.10	0.14	1	6.54	0.10	0.14

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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
Method Group 041.XX PCT			40	6.52	0.11	0.06	38	6.52	0.11	0.05
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	5.39	0.33	0.14	3	5.39	0.33	0.14
Water Soluble Phosphate, Other		048.99	2	4.73	0.81	0.08	2	4.73	0.81	0.08
Method Group 048.XX PCT			5	5.12	0.63	0.12	5	5.12	0.63	0.12
Soluble Potash, STPB Oxalate	958.02	050.00	14	19.38	0.37	0.20	13	19.36	0.33	0.12
Soluble Potash, STPB Citrate	969.04	050.10	3	19.94	0.37	0.28	3	19.94	0.37	0.28
Soluble Potash, AA (Oxalate)		050.30	10	19.17	1.07	0.36	10	19.17	1.07	0.36
Soluble Potash, AA (Citrate)		050.31	1	20.09	0.07	0.10	1	20.09	0.07	0.10
Soluble Potash, ICP (Oxalate)		050.50	10	19.01	0.73	0.23	9	19.01	0.75	0.13
Soluble Potash, ICP (Citrate)		050.51	8	19.57	0.46	0.24	7	19.61	0.44	0.13
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	6	19.43	0.22	0.13	6	19.43	0.22	0.13
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	12	19.60	0.62	0.26	11	19.58	0.62	0.17
Soluble Potash, Other		050.99	19	19.09	0.73	0.22	18	19.03	0.68	0.18
Method Group 050.XX PCT			83	19.33	0.69	0.24	74	19.36	0.60	0.16
Free Water, Vacuum Oven	965.08B	060.00	5	0.47	0.18	0.06	5	0.47	0.18	0.06
Acid Soluble Calcium, AA	945.04	101.00	10	4.85	0.21	0.14	10	4.85	0.21	0.14
Acid Soluble Calcium, ICP		101.30	28	4.87	0.26	0.12	26	4.87	0.23	0.09
Acid Soluble Calcium, Titrimetric	945.03	101.70	1	5.36	0.01	0.02	1	5.36	0.01	0.02
Acid Soluble Calcium, Other		101.99	3	4.75	0.26	0.06	3	4.75	0.26	0.06
Method Group 101.XX PCT			42	4.87	0.25	0.12	38	4.87	0.24	0.08
Acid Soluble Magnesium, AA	984.01	121.00	10	4.05	0.09	0.07	10	4.05	0.09	0.07
Acid Soluble Magnesium, ICP		121.30	29	3.96	0.22	0.06	27	3.95	0.22	0.05
Acid Soluble Magnesium, Titrimetric	964.01	121.70	1	3.89	0.01	0.02	1	3.89	0.01	0.02
Acid Soluble Magnesium, Other		121.99	4	4.06	0.21	0.14	4	4.06	0.21	0.14
Method Group 121.XX PCT			45	3.98	0.20	0.07	42	4.01	0.18	0.06
Water Soluble Magnesium, AA		131.00	2	3.80	0.14	0.15	2	3.80	0.14	0.15
Water Soluble Magnesium, ICP		131.30	2	3.93	0.19	0.04	2	3.93	0.19	0.04
Water Soluble Magnesium, Titrimetric		131.70	1	3.75	0.01	0.02	1	3.75	0.01	0.02
Method Group 131.XX PCT			5	3.84	0.16	0.08	4	3.83	0.16	0.03
Sulfur, Gravimetric	980.02a	144.01	18	11.48	0.37	0.14	17	11.49	0.36	0.10
Sulfur, Gravimetric	980.02b	144.02	1	11.15	0.01	0.01	1	11.15	0.01	0.01
Sulfur, Other		144.99	21	11.05	0.43	0.11	20	11.06	0.44	0.09
Method Group 144.XX PCT			40	11.25	0.45	0.12	38	11.26	0.45	0.09
Arsenic, Atomic Absorption		151.00	1	1.75	0.07	0.10	1	1.75	0.07	0.10
Arsenic, ICP		151.30	5	3.56	3.21	1.04	5	3.56	3.21	1.04
Arsenic, Other		151.99	2	2.09	0.35	0.37	2	2.09	0.35	0.37
Method Group 151.XX PPM			8	2.97	2.61	0.75	8	2.97	2.61	0.75
Acid Soluble Boron, Spectrometric	982.01	165.00	9	0.066	0.007	0.004	8	0.066	0.006	0.002
Acid Soluble Boron, Other		165.99	18	0.067	0.007	0.002	16	0.067	0.007	0.001

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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
Method Group 165.XX PCT			27	0.066	0.007	0.002	25	0.067	0.007	0.002
Water Soluble Boron, Other		171.99	2	0.068	0.003	0.000	2	0.068	0.003	0.000
Cadmium, Atomic Absorption		181.00	1	10.10	0.14	0.20	1	10.10	0.14	0.20
Cadmium, ICP		181.30	14	9.31	0.72	0.37	14	9.31	0.72	0.37
Cadmium, Other		181.99	2	9.64	1.13	0.82	2	9.64	1.13	0.82
Method Group 181.XX PPM			17	9.39	0.76	0.41	17	9.39	0.76	0.41
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	13	2.59	0.18	0.02	12	2.58	0.18	0.01
Water Soluble Chlorine, Other		190.99	3	2.45	0.11	0.05	3	2.45	0.11	0.05
Method Group 190.XX PCT			16	2.56	0.17	0.03	14	2.55	0.18	0.02
Chromium, ICP		191.30	15	95.96	26.12	3.85	15	95.96	26.12	3.85
Chromium, Other		191.99	2	68.66	34.77	2.36	2	68.66	34.77	2.36
Method Group 191.XX PPM			17	92.74	28.09	3.67	17	92.74	28.09	3.67
Acid Soluble Cobalt, AA		202.00	1	41.50	0.71	1.00	1	41.50	0.71	1.00
Acid Soluble Cobalt, ICP	965.11	202.30	12	18.44	11.44	2.21	11	17.63	11.55	1.59
Acid Soluble Cobalt, Other		202.99	2	15.02	11.58	0.22	2	15.02	11.58	0.22
Method Group 202.XX PPM			15	19.52	12.44	1.86	14	18.97	12.65	1.35
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0010	0.0012	0.0001	2	0.0010	0.0012	0.0001
Acid Soluble Copper, ICP		221.30	21	0.0022	0.0007	0.0003	17	0.0021	0.0005	0.0000
Acid Soluble Copper, Other		221.99	2	0.0021	0.0001	0.0001	2	0.0021	0.0001	0.0001
Method Group 221.XX PCT			25	0.0021	0.0007	0.0002	21	0.0020	0.0007	0.0001
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	11	0.33	0.02	0.01	10	0.33	0.02	0.01
Acid Soluble Iron, ICP		241.30	38	0.33	0.04	0.01	35	0.33	0.03	0.01
Acid Soluble Iron, Other		241.99	2	0.32	0.05	0.00	2	0.32	0.05	0.00
Method Group 241.XX PCT			51	0.33	0.03	0.01	46	0.33	0.03	0.01
Lead, ICP		251.30	9	1.40	0.97	0.24	8	1.26	0.93	0.15
Lead, Other		251.99	2	2.09	0.22	0.05	2	2.09	0.22	0.05
Method Group 251.XX PPM			11	1.53	0.92	0.21	10	1.43	0.89	0.13
Acid Soluble Manganese, AA	972.02a	261.00	8	0.170	0.011	0.008	8	0.170	0.011	0.008
Acid Soluble Manganese, AA	972.02b	261.11	1	0.175	0.006	0.009	1	0.175	0.006	0.009
Acid Soluble Manganese, ICP	972.02a	261.30	30	0.167	0.017	0.008	29	0.167	0.017	0.007
Acid Soluble Manganese, ICP	972.02b	261.31	3	0.168	0.011	0.006	3	0.168	0.011	0.006
Acid Soluble Manganese, Other		261.99	4	0.170	0.023	0.007	4	0.170	0.023	0.007
Method Group 261.XX PCT			46	0.168	0.016	0.008	44	0.168	0.016	0.007
Mercury, ICP		281.30	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Mercury, Other		281.99	1	0.11	0.03	0.04	1	0.11	0.03	0.04
Method Group 281.XX PPM			2	0.06	0.06	0.02	2	0.06	0.06	0.02
Molybdenum, ICP		289.30	13	8.36	0.94	0.66	12	8.35	0.87	0.47
Molybdenum, Other		289.99	2	6.15	1.86	0.80	2	6.15	1.86	0.80
Method Group 289.XX PPM			15	8.07	1.30	0.68	13	8.30	0.85	0.44

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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
Nickel, Atomic Absorption		291.00	1	54.00	2.83	4.00	1	54.00	2.83	4.00
Nickel, ICP		291.30	11	46.05	7.06	2.57	9	44.75	6.77	1.22
Nickel, Other		291.99	2	29.62	21.52	0.86	2	29.62	21.52	0.86
Method Group 291.XX PPM			15	42.11	13.81	2.26	13	40.60	14.12	1.29
Selenium, ICP		301.30	6	1.75	1.80	0.70	6	1.75	1.80	0.70
Selenium, Other		301.99	2	0.97	0.09	0.05	2	0.97	0.09	0.05
Method Group 301.XX PPM			8	1.55	1.58	0.54	7	1.63	1.64	0.33
Sodium, Flame Photometric	974.01	311.30	2	1.42	0.28	0.21	2	1.42	0.28	0.21
Sodium, Other		311.99	6	1.61	0.11	0.04	6	1.61	0.11	0.04
Method Group 311.XX PCT			8	1.56	0.18	0.08	7	1.61	0.10	0.04
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	10	0.251	0.025	0.004	10	0.251	0.025	0.004
Acid Soluble Zinc, ICP		321.30	35	0.234	0.021	0.005	33	0.233	0.021	0.004
Acid Soluble Zinc, Other		321.99	4	0.256	0.005	0.007	4	0.256	0.005	0.007
Method Group 321.XX PCT			49	0.239	0.023	0.005	46	0.237	0.020	0.004
Water Soluble Zinc, Atomic Absorption .		325.00	1	0.097	0.003	0.004	1	0.097	0.003	0.004
Water Soluble Zinc, ICP		325.30	1	0.250	0.001	0.002	1	0.250	0.001	0.002
Method Group 325.XX PCT			2	0.173	0.088	0.003	2	0.173	0.088	0.003

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: 002.99 PCT			Meth: 009.XX PCT			Meth: 010.60 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Nitrate Nitrogen</u>			<u>Ammon & Nitrate N</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>						<u>Other</u>						<u>Combustion</u>		
090	2.93	1.20	420	2.89	.58	027	3.13	-.53	030	6.46 R	3.02	402	6.26	1.52
454	2.90	.98	371	2.89	.56	393	3.12	-.84	200	6.32	1.70	390	6.21	1.27
444	2.90	.92	096	2.85	.43	368	2.63 S	-10.91	090	6.12	.40	422	6.21	1.26
029	2.83	.25	397	2.85	.41				420	6.10	.36	330	6.15 R	1.23
Avg	2.81		029	2.83	.33				Avg	6.07		073	6.18	1.10
291	2.80	-.06	372	2.82	.29	Meth: 002.XX PCT			393	6.02	-.50	262	6.16	.99
232	2.79	-.19	456	2.81	.27	<u>Nitrate Nitrogen</u>			291	5.95	-.87	444	6.14	.93
456	2.81	-.35	291	2.80	.21	232	3.24	1.50	416	5.90	-1.15	095	6.14	.88
351	2.71	-.92	232	2.79	.17	372	3.21	.97	444	3.21 s	-19.36	055	6.11	.72
309	2.60	-2.04	Avg	2.75		291	3.19	.60				041	6.10	.69
230	2.15 s	-6.54	027	2.73	-.08	Avg	3.16		Meth: 010.11 PCT			247	6.09	.67
			351	2.71	-.15	027	3.13	-.46	<u>Total Nitrogen</u>			177	6.06	.55
			309	2.60	-.62	351	3.11	-.82	<u>Modified Comprehensive</u>			057	6.07	.54
			368	2.45	-1.26	393	3.12	-.83	105	6.01	.84	232	6.07	.54
			230	2.15	-2.48	029	3.09	-1.18	073	5.94	.56	025	6.07	.50
			234	2.14	-2.53	368	2.63 s	-12.01	309	5.94	.56	029	6.06	.50
			255	0.24 s	-10.28	230	2.39 s	-13.94	029	5.94	.56	007	6.05	.50
									322	5.93	.52	106	6.06	.48
									Avg	5.79		009	5.97	.42
									211	5.40	-1.46	291	6.05	.41
									114	5.37	-1.57	040	6.04	.39
												136	6.03	.36
												409	6.03	.34
												372	6.03	.33
												377	6.02	.29
												037	6.01	.27
												389	5.99	.24
												131	6.01	.21
												027	6.00	.14
												024	5.98	.04
												Avg	5.97	
												117	5.95	-.12
												325	5.94	-.15
												102	5.94	-.17
												023	5.94	-.18
												420	5.93	-.22
												354	5.92	-.23

* 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: 010.60 PCT			Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.10 PCT			Meth: 020.40 PCT		
Total Nitrogen			Total Nitrogen			Total Nitrogen			Total Phosphate			Total Phosphate		
<u>Combustion</u>									<u>Grav Quimociac</u>			<u>Automated</u>		
086	5.92	-.23	402	6.26	1.50	309	5.94	-.08	114	6.81	1.34	035	6.53	-.21
406	5.92	-.27	390	6.21	1.27	322	5.93	-.08	090	6.66	.33	409	6.48	-.61
292	5.92	-.28	422	6.21	1.26	354	5.92	-.09	041	6.63	.13	096	6.34	-1.72
233	5.91	-.32	330	6.15 R	1.20	086	5.92	-.09	105	6.62	.10			
451	5.91	-.33	073	6.18	1.12	023	5.94	-.09	Avg	6.61		Meth: 020.50 PCT		
028	5.89	-.45	105	6.16	1.02	420	5.93	-.11	444	6.35	-1.60	Total Phosphate		
324	5.88	-.47	262	6.16	1.01	073	5.94	-.12				<u>ICP</u>		
307	5.87	-.55	444	6.14	.96	292	5.92	-.13				393	7.47 s	4.37
035	5.82	-.81	095	6.14	.91	406	5.92	-.14	Meth: 020.20 PCT			444	6.93	1.65
369	5.82	-.82	055	6.11	.77	233	5.91	-.17	Total Phosphate			389	6.85	1.09
450	5.80	-.91	041	6.10	.74	451	5.91	-.17	<u>Spectrometric</u>			426	6.81	.82
421	5.76	-1.09	247	6.09	.72	185	5.92	-.29	428	6.94	1.57	368	6.80	.81
042	5.75	-1.16	057	6.07	.61	028	5.89	-.29	450	6.84	1.10	255	6.76	.60
443	5.74	-1.20	177	6.06	.60	324	5.88	-.30	292	6.83	1.06	422	6.70	.24
426	5.73	-1.22	232	6.07	.60	307	5.87	-.38	232	6.77	.84	Avg	6.65	
453	5.82 R	-1.26	025	6.07	.58	255	5.83	-.55	309	6.75	.70	330	6.60	-.28
368	5.69	-1.52	029	6.06	.57	035	5.82	-.61	372	6.73	.66	390	6.63	-.28
428	5.61	-1.87	007	6.05	.56	369	5.82	-.63	406	6.72	.60	451	6.59	-.38
425	5.51	-2.38	106	6.06	.56	450	5.80	-.71	231	6.60	.44	402	6.54	-.60
360	5.51	-2.41	291	6.05	.49	421	5.76	-.86	Avg	6.58		453	6.54	-1.17
234	5.48	-2.54	040	6.04	.47	042	5.75	-.93	371	6.52	-.32	421	6.40	-1.55
230	4.63 s	-6.98	136	6.03	.44	443	5.74	-.97	234	6.47	-.52	432	6.37	-1.55
			409	6.03	.42	426	5.73	-.98	369	6.48	-.52			
			372	6.03	.42	453	5.82 R	-1.07	042	6.45	-.63			
			009	5.97	.40	368	5.69	-1.26	324	6.41	-.77	Meth: 020.99 PCT		
			377	6.02	.38	428	5.61	-1.57	425	6.40	-.80	Total Phosphate		
			037	6.01	.35	425	5.51	-2.03	200	6.40	-.82	<u>Other</u>		
			105	6.01	.32	360	5.51	-2.05	262	6.05	-2.36	443	7.99 s	16.33
			131	6.01	.30	254	5.59 s	-2.14	420	4.51 s	-9.13	137	6.69	1.18
			389	5.99	.29	234	5.48	-2.17	442	3.27 s	-14.55	Avg	6.57	
			027	6.00	.25	455	5.41	-2.52				416	6.56	-.14
			397	5.97	.16	211	5.40	-2.57	Meth: 020.40 PCT			322	6.46	-1.04
			024	5.98	.16	114	5.37	-2.71	Total Phosphate			455	4.76 S	-17.65
			117	5.95	.02	230	4.63 s	-6.17	<u>Automated</u>					
			Avg	5.94		454	2.38 s	-16.72	105	6.69	1.00	Meth: 020.XX PCT		
			325	5.94	-.01				456	6.66	.81	<u>Total Phosphate</u>		
			102	5.94	-.04				247	6.64	.69	443	7.99 s	10.15
			029	5.94	-.04				Avg	6.56		393	7.47 s	5.30

* 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: 020.XX PCT			Meth: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.40 PCT				
<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>				
444	6.93 R	2.12	200	6.40	-1.35	096	0.08	1.67	255	6.74	1.10	<u>Automated</u>				
428	6.94	2.03	432	6.37	-1.58	247	0.04 R	.41	372	6.70	.92	029	6.62	.95		
389	6.85	1.49	421	6.40 R	-1.61	409	0.04	.16	090	6.65	.72	095	6.56	.30		
450	6.84	1.37	444	6.35	-1.68	Avg	0.04		247	6.60	.54	Avg	6.52			
114	6.81	1.34	096	6.34	-1.75	372	0.04	-.19	Avg	6.47		131	6.40	-1.23		
292	6.83	1.30	262	6.05 A	-3.53	255	0.01	-.83	409	6.45	-.17	025	5.77 S	-7.45		
426	6.81	1.18	455	4.76 s	-11.53	090	0.01	-.98	027	6.38	-.35	Meth: 041.50 PCT				
368	6.80	1.16	420	4.51 s	-13.11	Meth: 040.10 PCT			096	6.26	-.85	<u>Dir Available Phosph</u>				
232	6.77	1.01	442	3.27 s	-20.78	<u>InDir Available Phos</u>			354	5.98	-1.94	<u>ICP</u>				
255	6.76	.91	Meth: 030.10 PCT			<u>Grav Quim</u>			Meth: 041.10 PCT			007	6.88 S	3.35		
309	6.75	.80	<u>Insoluble Phosphate</u>			090	6.65	-.71	<u>Dir Available Phosph</u>			360	6.69	1.52		
372	6.73	.75	<u>Grav Quimociac</u>			Meth: 040.20 PCT			<u>Grav Quimociac</u>			454	6.59	.58		
406	6.72	.66	090	0.01	.00	<u>InDir Available Phos</u>			185	6.68	1.83	291	6.59	.55		
422	6.70	.50	Meth: 030.20 PCT			<u>Spectrometri</u>			254	6.66	1.41	009	6.55	.52		
137	6.69	.46	<u>Insoluble Phosphate</u>			372			6.70	.71	057	6.61	.72	Avg	6.53	
105	6.69	.43	<u>Spectrometric</u>			Meth: 040.40 PCT			105	6.59	.47	377	6.51	-.22		
090	6.66	.30	372	0.04	-.71	<u>InDir Available Phos</u>			296	6.57	.23	043	6.52	-.29		
390	6.63	.29	Meth: 030.40 PCT			<u>Automated</u>			029	6.56	.14	325	6.53	-.48		
456	6.66	.27	<u>Insoluble Phosphate</u>			409	6.45	1.02	Avg	6.56		393	6.47	-1.28		
247	6.64	.24	<u>Automated</u>			027	6.38	.22	211	6.54	-.27	023	6.35	-1.81		
041	6.63	.11	096	0.08	.87	Meth: 040.50 PCT			055	6.55	-.40	Meth: 041.60 PCT				
Avg	6.62		Avg	0.06		<u>InDir Available Phos</u>			177	6.53	-.51	<u>Dir Available Phosph</u>				
105	6.62	-.09	409	0.04	-.87	<u>ICP</u>			040	6.51	-.59	<u>EDTA Extract</u>				
330	6.60	-.10	Meth: 030.50 PCT			255			6.74	.87	009	6.46	-1.27	028	6.65 R	2.01
451	6.59	-.25	<u>Insoluble Phosphate</u>			Avg			6.36		131	6.43	-1.70	105	6.61	1.31
416	6.56	-.38	<u>ICP</u>			354			5.98	-.86	102	6.43 R	-2.26	296	6.59	1.16
402	6.54	-.47	Meth: 030.99 PCT			Meth: 040.99 PCT			Meth: 041.20 PCT			397	6.57	.92		
035	6.53	-.54	<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			177	6.55	.69		
231	6.60	-.63	<u>Other</u>			<u>Other</u>			<u>Spectrometric</u>			233	6.52	.31		
371	6.52	-.64	247	0.04	.71	247			6.60	.71	073	6.50	.09	Avg	6.49	
409	6.48	-.84	Meth: 040.99 PCT			Meth: 040.99 PCT			231			6.25	-.77	043	6.49	-.06
369	6.48	-.92	<u>InDir Available Phos</u>			<u>InDir Available Phos</u>			055			6.39	.95	351	6.44	-.52
234	6.47	-.92	<u>Other</u>			<u>Other</u>			Avg			6.32		024	6.43	-.66
322	6.46	-.95	247			6.60	.71	Avg			6.25	-.77	057	6.40	-.92	
042	6.45	-1.07	Meth: 040.99 PCT			Meth: 040.99 PCT			231			6.25	-.77	106	6.29	-2.11
453	6.54 R	-1.25	<u>InDir Available Phos</u>			<u>InDir Available Phos</u>			055			6.39	.95			
324	6.41	-1.28	<u>Other</u>			<u>Other</u>			Avg			6.32				
425	6.40	-1.32	247			6.60	.71	231			6.25	-.77				

* 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: 041.99 PCT			Meth: 041.XX PCT			Meth: 050.00 PCT			Meth: 050.30 PCT			Meth: 050.60 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>		
<u>Other</u>			<u>STPB Oxalate</u>			<u>AA (Oxalate)</u>			<u>Flame (Oxalate)</u>					
105	6.54	.71	024	6.44	-.77	230	19.65 R	2.18	425	17.16	-1.89	406	19.73	1.36
Avg	6.54		131	6.43	-.89	009	19.81	1.39	442	14.86 s	-4.03	105	19.62	1.13
230	6.47 S	-4.00	057	6.40	-1.13	090	19.76	1.22				443	19.46	.31
			131	6.40	-1.13	057	19.60	.90	Meth: 050.31 PCT			Avg	19.43	
Meth: 041.XX PCT			393	6.47 R	-1.20	233	19.61	.77	Soluble Potash			055	19.33	-.51
<u>Dir Available Phosph</u>			102	6.43 R	-1.40	114	19.47	.33	<u>AA (Citrate)</u>			200	19.31	-.65
007	6.88 s	3.36	055	6.39	-1.44	211	19.46	.29	254	20.09	.71	309	19.16	-1.26
185	6.68	1.62	023	6.35	-1.66	416	19.41	.14	Meth: 050.50 PCT			Meth: 050.61 PCT		
360	6.69	1.57	106	6.29	-2.20	Avg	19.36		Soluble Potash			Soluble Potash		
028	6.65	1.55	231	6.25	-2.58	029	19.34	-.13	<u>ICP (Oxalate)</u>			<u>Flame (Citrate)</u>		
254	6.66	1.35	230	6.47 s	-3.70	055	19.30	-.28	354	20.54	2.05	028	20.68	1.80
029	6.62	.96	025	5.77 s	-7.11	231	19.17	-.60	292	19.77	1.02	095	19.81 R	1.03
105	6.61	.91	Meth: 048.20 PCT			043	19.06	-.94	454	19.02 R	.79	057	20.03	.95
057	6.61	.83	Water Soluble Phosph			102	18.60	-2.37	324	19.30	.39	041	19.91	.52
296	6.59	.80	<u>Spectrometric</u>			Meth: 050.10 PCT			451	19.12	.15	456	19.79	.33
105	6.54	.69	372	5.75	1.09	Soluble Potash			Avg	19.01		Avg	19.58	
105	6.59	.67	Avg	5.39		<u>STPB Citrate</u>			420	18.77	-.34	024	19.55	-.06
454	6.59	.67	393	5.38	-.32	444	20.32	1.25	444	18.61	-.59	029	19.54	-.07
291	6.59	.63	096	5.04	-1.10	Avg	19.94		426	18.50	-.69	131	19.53	-.10
009	6.55	.55	Meth: 048.99 PCT			117	19.89	-.40	422	18.28	-.97	105	19.54	-.11
397	6.57	.54	Water Soluble Phosph			136	19.62	-.89	390	18.20	-1.09	035	19.57	-.15
325	6.53	.48	<u>Other</u>			Meth: 050.30 PCT			Meth: 050.51 PCT			025	19.16	-.68
296	6.57	.45	247	5.43	.86	Soluble Potash			Soluble Potash			030	18.14	-2.34
055	6.55	.40	Avg	4.73		<u>AA (Oxalate)</u>			<u>ICP (Citrate)</u>			Meth: 050.99 PCT		
029	6.56	.39	420	4.03	-.87	369	20.63	1.37	389	20.30	1.58	Soluble Potash		
095	6.56	.33	Meth: 048.XX PCT			234	20.01	.82	007	20.10	1.17	<u>Other</u>		
177	6.55	.32	Water Soluble Phosph			262	19.86	.82	023	19.74	.38	042	20.30 R	2.02
177	6.53	.30	372	5.75	.99	351	19.80	.59	Avg	19.61		177	19.97	1.40
211	6.54	.15	247	5.43	.49	040	19.59	.39	291	19.42	-.42	360	19.90	1.28
Avg	6.52		393	5.38	.43	428	19.41 X	.29	009	19.25	-.82	232	19.80	1.14
233	6.52	-.03	Avg	5.12		Avg	19.17		377	19.25	-.84	432	19.55	.77
040	6.51	-.09	096	5.04	-.21	450	19.06	-.41	043	19.18	-.97	325	19.42	.59
377	6.51	-.13	420	4.03	-1.74	073	18.24	-.88	453	19.33 R	-1.33	105	19.36	.55
073	6.50	-.24				185	18.00	-1.10	393	16.14 s	-7.88	421	19.25	.50
043	6.52	-.24										397	19.28	.38
043	6.49	-.33												
009	6.46	-.59												

* 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: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 101.00 PCT			Meth: 101.30 PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>		
<u>Other</u>			<u>Other</u>			<u>Other</u>			<u>AA</u>			<u>ICP</u>		
247	19.05	.30	406	19.73	.61	368	19.02	-.57	105	5.07	1.41	255	4.78	-.35
402	19.04	.08	105	19.62	.50	247	19.05	-.62	397	5.10	1.19	330	4.75	-.54
Avg	19.03		057	19.60	.49	131	18.99	-.64	371	4.98	.68	057	4.73	-.58
368	19.02	-.02	136	19.62	.42	137	18.95	-.69	177	4.93	.39	027	4.66	-.88
131	18.99	-.10	233	19.61	.41	453	19.33 R	-.86	351	4.91	.28	023	4.63	-1.00
137	18.95	-.11	040	19.59	.39	450	19.06 R	-.88	Avg	4.85		291	4.61	-1.10
255	18.53	-.79	035	19.57	.38	420	18.77	-1.00	296	4.80	-.26	307	4.54 R	-1.64
330	18.50	-.83	428	19.41 X	.35	454	19.02 R	-1.14	029	4.85	-.51	433	4.43	-1.84
322	18.41	-.91	432	19.55	.31	102	18.60	-1.30	055	4.71	-.74	065	4.30	-2.42
027	18.31	-1.06	024	19.55	.30	444	18.61	-1.30	043	4.54	-1.50	102	4.08 s	-3.37
455	17.17	-2.75	105	19.54	.30	255	18.53	-1.43	262	4.62	-1.51	114	3.86 s	-5.47
			029	19.54	.30	426	18.50	-1.45						
			131	19.53	.27	330	18.50	-1.48	Meth: 101.30 PCT			Meth: 101.70 PCT		
Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 101.30 PCT			Meth: 101.70 PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>		
<u>Other</u>			<u>Other</u>			<u>Other</u>			<u>ICP</u>			<u>Titrimetric</u>		
028	20.68	2.23	443	19.46	.19	322	18.41	-1.60	393	7.58 s	11.60	372	5.36	.71
369	20.63	2.13	114	19.47	.18	027	18.31	-1.77	073	5.91 s	4.51			
354	20.54	1.96	211	19.46	.15	422	18.28	-1.81	073	5.91 s	4.51			
042	20.30 R	1.77	325	19.42	.14	073	18.24	-1.88	422	5.49	2.67	Meth: 101.99 PCT		
444	20.32	1.65	291	19.42	.10	390	18.20	-1.95	432	5.26 R	2.11	Acid Soluble Calcium		
389	20.30	1.56	416	19.41	.07	030	18.14	-2.05	453	4.92	.80	<u>Other</u>		
057	20.03	1.28	Avg	19.36		185	18.00	-2.27	450	5.01	.77	028	5.02	1.02
007	20.10	1.25	029	19.34	-.07	455	17.17 A	-3.68	368	4.88	.76	409	4.80	.22
095	19.81 R	1.25	055	19.33	-.09	425	17.16 A	-3.68	324	5.03	.70	Avg	4.75	
262	19.86 R	1.24	324	19.30	-.10	393	16.14 s	-5.38	421	4.93	.70	042	4.44	-1.19
254	20.09	1.22	200	19.31	-.15	442	14.86 s	-7.52	454	5.00	.68			
230	19.65 R	1.19	055	19.30	-.16				354	4.99	.62	Meth: 101.XX PCT		
234	20.01	1.18	397	19.28	-.18	Meth: 060.00 PCT			390	5.00	.60	<u>Acid Soluble Calcium</u>		
177	19.97	1.02	009	19.25	-.21	Free Water			389	5.00	.57	393	7.58 s	11.53
041	19.91	.91	377	19.25	-.25	<u>Vacuum Oven</u>			106	4.98	.56	073	5.91 s	4.48
117	19.89	.90	105	19.36	-.28	096	0.77	1.76	009	4.98	.54	422	5.49	2.65
360	19.90	.89	043	19.18	-.32	105	0.50	.19	247	4.99	.54	432	5.26 R	2.10
009	19.81	.75	231	19.17	-.33	Avg	0.47		360	4.94	.29	372	5.36	2.10
351	19.80	.74	025	19.16	-.34	247	0.41	-.36	420	4.93	.25	105	5.07 R	1.18
232	19.80	.73	309	19.16	-.35	007	0.36	-.65	131	4.89	.13	397	5.10	.97
456	19.79	.71	372	19.14	-.39	416	0.31	-.89	Avg	4.87		453	4.92	.80
292	19.77	.69	451	19.12	-.41				232	4.85	-.09	450	5.01	.76
090	19.76	.66	421	19.25	-.46				095	4.84	-.13	368	4.88	.75
			043	19.06	-.52									

* 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: 101.XX PCT			Meth: 121.00 PCT			Meth: 121.30 PCT			Meth: 121.XX PCT			Meth: 121.XX PCT				
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>				
324	5.03	.69	AA			ICP			354	4.18	.98	105	3.75 R	-1.78		
421	4.93	.69	177	4.20	1.65	057	3.94	-.17	390	4.17	.93	433	3.57	-2.47		
454	5.00	.68	029	4.13	1.15	023	3.91	-.21	421	4.15	.92	372	3.44	-3.18		
028	5.02	.66	296	4.10	.95	324	3.90	-.23	432	4.12	.85	102	3.40 A	-3.42		
354	4.99	.61	371	4.10	.63	307	3.89	-.32	426	4.15	.80	114	2.91 s	-6.19		
390	5.00	.59	055	4.07	.59	106	3.86	-.43	029	4.13	.79	393	2.44 s	-8.81		
389	5.00	.57	Avg	4.05		409	3.85	-.54	028	4.15	.79	453	0.42 s	-20.17		
106	4.98	.55	397	4.01	-.52	065	3.76	-.87	389	4.10	.77					
009	4.98	.54	262	4.02	-.71	255	3.76	-.90	296	4.10	.66	Meth: 131.00 PCT				
247	4.99	.53	351	3.97	-.89	433	3.57	-1.72	444	4.11	.65	Water Soluble Magnes				
371	4.98	.52	043	3.95	-1.06	372	3.44	-2.29	371	4.10	.54	<u>AA</u>				
360	4.94	.29	309	3.95	-1.06	102	3.40	-2.47	055	4.07	.46	029	3.86	1.13		
177	4.93	.28	105	3.75 s	-3.78	114	2.91 S	-4.68	420	4.07	.38	Avg	3.80			
420	4.93	.25	Meth: 121.30 PCT			393	2.44 s	-6.76	247	4.07	.37	309	3.74	-.46		
351	4.91	.17	<u>Acid Soluble Magnesi</u>			453	0.42 s	-15.78	262	4.02	.35					
131	4.89	.13	<u>ICP</u>			Meth: 121.70 PCT			232	4.06	.28	Meth: 131.30 PCT				
Avg	4.87		330	6.55 s	11.61	<u>Acid Soluble Magnesi</u>			360	4.06	.28	Water Soluble Magnes				
232	4.85	-.10	291	4.94 S	4.39	<u>Titrimetric</u>			397	4.01	.17	<u>ICP</u>				
095	4.84	-.13	422	4.37	1.87	372			3.89	.71	095			4.09	.86	
296	4.80	-.30	368	4.19	1.05	Meth: 121.99 PCT			Avg	4.01		Avg			3.93	
409	4.80	-.31	354	4.18	1.01	<u>Acid Soluble Magnesi</u>			009	4.00	-.15	027			3.76	-.87
255	4.78	-.35	390	4.17	.98	<u>Other</u>			027	3.97	-.21	Meth: 131.70 PCT				
029	4.85	-.46	421	4.15	.95	042			4.30	1.20	Water Soluble Magnes					
330	4.75	-.54	426	4.15	.87	028			4.15	.42	<u>Titrimetric</u>					
057	4.73	-.58	432	4.12 R	.87	Avg			4.06		372			3.75	.71	
055	4.71	-.71	389	4.10 R	.80	137			3.91	-.69	Meth: 131.XX PCT					
027	4.66	-.88	444	4.11	.74	234			3.88	-1.19	Water Soluble Magnes					
023	4.63	-1.00	420	4.07	.54	Meth: 121.XX PCT			137	3.91	-.54	<u>Water Soluble Magnes</u>				
291	4.61	-1.09	247	4.07	.53	<u>Acid Soluble Magnesi</u>			023	3.91	-.56	095			4.09	1.61
262	4.62 R	-1.38	232	4.06	.46	330			6.55 s	14.31	029			3.86 R	.89	
043	4.54	-1.39	360	4.06	.46	291			4.94 s	5.23	Avg			3.83		
307	4.54 R	-1.64	009	4.00	.22	422			4.37	2.05	027			3.76	-.48	
042	4.44	-1.82	131	3.99	.22	042			4.30	1.70	372			3.75	-.53	
433	4.43	-1.84	454	3.97	.12	177			4.20	1.10	309			3.74	-.62	
065	4.30	-2.41	027	3.97	.09	368			4.19	1.02						
102	4.08 s	-3.36	450	3.96	.03											
114	3.86 s	-5.44	Avg	3.95												

* 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: 144.01 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT			Meth: 151.99 PPM			Meth: 165.99 PCT		
Sulfur			Sulfur			Sulfur			Arsenic			Acid Soluble Boron		
<u>Gravimetric</u>			<u>Other</u>			<u>Other</u>			<u>Other</u>			<u>Other</u>		
055	12.00	1.41	027	11.10	.09	292	11.15	-.25	231	2.26	1.13	422	0.080	1.92
029	11.90	1.13	Avg	11.06		372	11.13	-.29	Avg	2.09		360	0.075	1.13
262	11.88	1.06	037	11.04	-.10	454	11.10	-.34	409	1.93	-.48	354	0.071	.59
095	11.86	1.03	009	11.03	-.17	027	11.10	-.36	Meth: 151.XX PPM			106	0.070	.47
043	11.82	.92	137	10.80	-.59	389	11.10	-.41	<u>Arsenic</u>			324	0.069	.26
296	11.54	.33	421	10.95 R	-.62	390	11.10	-.41	372	77.62 s	28.56	409	0.068	.19
105	11.55	.29	023	10.73	-.77	037	11.04	-.49	368	9.45	2.51	255	0.067	.02
397	11.58	.29	368	10.71	-.82	009	11.03	-.53	Avg	2.97		Avg	0.067	
324	11.55	.21	453	10.66	-.92	230	11.15 R	-.81	230	0.065	-.33	230	0.065	-.33
102	11.55	.14	232	10.62	-1.00	421	10.95 R	-.87	393	2.82	-.06	291	0.064	-.47
057	11.51	.07	422	10.58	-1.10	114	10.85	-.92	231	2.26	-.30	307	0.063	-.50
Avg	11.49		450	10.56	-1.14	137	10.80	-1.01	409	1.93	-.40	009	0.066 R	-.54
028	11.43	-.18	255	10.47	-1.35	023	10.73	-1.18	230	1.84	-.43	232	0.062	-.73
200	11.33	-.49	330	10.40 s	-2.94	368	10.71	-1.22	136	1.75	-.47	043	0.065 R	-.76
233	11.28	-.60	Meth: 144.XX PCT			444	10.70	-1.24	065	1.72 X	-.53	453	0.060	-.97
372	11.13	-1.02	<u>Sulfur</u>			453	10.66	-1.33	450	2.00	-.53	389	0.060	-.97
230	11.15 R	-1.36	055	12.00	1.66	232	10.62	-1.40	Meth: 165.00 PCT			433	0.060	-.99
114	10.85	-1.81	360	11.99	1.62	422	10.58	-1.50	Acid Soluble Boron			444	0.057	-1.49
444	10.70	-2.21	029	11.90	1.43	450	10.56	-1.54	<u>Spectrometric</u>			114	0.000 s	-9.63
Meth: 144.02 PCT			262	11.88	1.37	255	10.47	-1.74	200	0.095 s	4.55	Meth: 165.XX PCT		
Sulfur			095	11.86	1.35	330	10.40 s	-3.09	029	0.076	1.53	<u>Acid Soluble Boron</u>		
<u>Gravimetric</u>			393	11.83	1.26	Meth: 151.00 PPM			105	0.073	1.03	368	0.109 s	6.45
292	11.15	.71	043	11.82	1.26	Arsenic			028	0.071	.64	200	0.095 s	4.38
Meth: 144.99 PCT			291	11.76	1.12	<u>Atomic Absorption</u>			Avg	0.066		137	0.080	2.03
Sulfur			397	11.58	.72	136	1.75	.71	055	0.066	-.42	422	0.080	2.03
<u>Other</u>			105	11.55	.68	Meth: 151.30 PPM			397	0.064	-.47	029	0.076	1.46
360	11.99	2.13	296	11.54	.68	Arsenic			393	0.064 X	-.50	360	0.075	1.20
393	11.83	1.76	324	11.55	.66	<u>ICP</u>			023	0.063	-.54	105	0.073	.98
291	11.76	1.61	102	11.55	.64	372	77.62 S	23.09	057	0.056	-1.66	354	0.071	.63
177	11.39	.77	057	11.51	.56	368	9.45	1.86	296	0.058 R	-1.83	028	0.071	.60
136	11.38	.74	028	11.43	.39	Avg	3.56		Meth: 165.99 PCT			106	0.070	.52
354	11.23	.42	177	11.39	.32	393	2.82	-.23	Acid Soluble Boron			324	0.069	.29
390	11.10	.25	136	11.38	.28	230	1.84	-.54	<u>Other</u>			409	0.068	.22
389	11.10	.25	200	11.33	.18	450	2.00	-.58	368	0.109 s	6.11	255	0.067	.04
454	11.10	.10	233	11.28	.09	065	1.72 X	-.60	137	0.080	1.92	Avg	0.067	
Avg			11.26									230	0.065	-.33

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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: 181.XX PPM			Meth: 190.XX PCT			Meth: 191.99 PPM		
<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Cadmium</u>			<u>Water Soluble Chlori</u>			<u>Chromium</u>		
055	0.066	-.41	ICP			444	7.90	-2.02	029	2.56	.05	<u>Other</u>		
397	0.064	-.48	247	9.55	.35	372	5.21 s	-5.47	Avg	2.55		409	98.75	.87
291	0.064	-.48	009	9.45	.31	Meth: 190.00 PCT			105	2.55	-.06	Avg	68.66	
393	0.064 X	-.50	Avg	9.31		<u>Water Soluble Chlori</u>			028	2.52	-.18	231	38.57	-.87
307	0.063	-.51	096	9.25	-.10	<u>Titrimetric</u>			389	2.55 R	-.28	Meth: 191.XX PPM		
023	0.063	-.55	230	9.24	-.28	422	3.03	2.51	296	2.48	-.39	<u>Chromium</u>		
009	0.066	-.56	105	8.80	-.72	043	2.86	1.56	372	2.48	-.39	009	116.50	.85
232	0.062	-.75	450	8.50	-1.20	444	2.72 R	.85	102	2.48	-.41	368	114.50	.78
043	0.065 R	-.80	393	8.32	-1.38	291	2.63	.30	009	2.48	-.42	037	114.01	.76
453	0.060	-1.00	444	7.90	-2.03	Avg	2.58		027	2.46	-.50	390	112.50	.70
389	0.060	-1.00	372	5.21 s	-5.69	029	2.56	-.09	057	2.46	-.51	247	111.00	.65
433	0.060	-1.03	Meth: 181.99 PPM			105	2.55	-.15	055	2.41	-.79	096	107.00	.54
444	0.057	-1.55	<u>Cadmium</u>			028	2.52	-.31	023	2.33	-1.26	393	107.25 X	.53
057	0.056	-1.63	<u>Other</u>			372	2.48	-.53	368	1.40 s	-6.43	105	106.50	.49
296	0.058 R	-1.78	409	10.50	.78	296	2.48	-.53	Meth: 191.30 PPM			065	105.55	.46
114	0.000 s	-10.11	Avg	9.64		102	2.48	-.55	<u>Chromium</u>			102	100.94	.36
Meth: 171.99 PCT			231	8.77	-.94	027	2.46	-.64	<u>ICP</u>			230	101.50	.31
<u>Water Soluble Boron</u>			Meth: 181.XX PPM			057	2.46	-.65	009	116.50	.79	232	100.00	.27
<u>Other</u>			<u>Cadmium</u>			055	2.41	-.93	368	114.50	.72	409	98.75	.22
454	0.070	.87	409	10.50	1.47	Meth: 190.99 PCT			037	114.01	.69	Avg	92.74	
Avg	0.068		037	10.14	1.13	<u>Water Soluble Chlori</u>			390	112.50	.63	444	66.10	-.96
027	0.065	-.87	102	10.11	.95	<u>Other</u>			247	111.00	.58	372	43.50	-1.75
Meth: 181.00 PPM			136	10.10	.94	065	24.73 s	205.76	096	107.00	.46	231	38.57	-1.93
<u>Cadmium</u>			390	10.01	.84	389	2.55	1.03	393	107.25 X	.44	027	32.50	-2.14
<u>Atomic Absorption</u>			368	9.85	.60	009	2.48	.24	105	106.50	.40	Meth: 202.00 PPM		
136	10.10	.71	065	9.73	.58	Avg	2.45		065	105.55	.37	<u>Acid Soluble Cobalt</u>		
Meth: 181.30 PPM			232	9.45	.34	023	2.33	-1.18	102	100.94	.29	<u>AA</u>		
<u>Cadmium</u>			009	9.45	.24	368	1.40 S	-9.72	230	101.50	.21	136	41.50	.71
<u>ICP</u>			247	9.55	.22	Meth: 190.XX PCT			232	100.00	.17	Meth: 202.30 PPM		
037	10.14	1.30	Avg	9.39		<u>Water Soluble Chlori</u>			Avg	95.96		<u>Acid Soluble Cobalt</u>		
102	10.11	1.13	096	9.25	-.20	065	24.73 s	123.77	444	66.10	-1.15	<u>ICP</u>		
390	10.01	1.01	230	9.24	-.32	422	3.03	2.65	372	43.50	-2.01	105	30.00	1.07
368	9.85	.76	105	8.80	-.78	043	2.86	1.70	027	32.50	-2.43	037	29.14	1.00
065	9.73	.71	231	8.77	-1.15	444	2.72 R	.98	Meth: 202.00 PPM			009	27.30 R	.92
232	9.45	.40	450	8.50	-1.23	291	2.63	.44	<u>Acid Soluble Cobalt</u>			450	28.00	.92

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 202.30 PPM			Meth: 221.00 PCT			Meth: 221.99 PCT			Meth: 241.00 PCT			Meth: 241.30 PCT		
Acid Soluble Cobalt			Acid Soluble Copper			Acid Soluble Copper			Acid Soluble Iron			Acid Soluble Iron		
<u>ICP</u>			<u>Atomic Absorption</u>			<u>Other</u>			<u>Atomic Absorption</u>			<u>ICP</u>		
057	27.92	.89	043	0.0235 S	19.44	231	0.0020	-.89	055	0.36	1.15	422	0.33	-.19
393	22.17	.39	105	0.0020	.87				371	0.35	.85	023	0.32	-.38
230	21.10	.30	Avg	0.0010		Meth: 221.XX PCT			351	0.35	.79	291	0.31	-.53
247	18.50	.09	262	0.0000	-.86	<u>Acid Soluble Copper</u>			043	0.35	.76	073	0.31	-.55
Avg	17.63					009	18.800 s	8535.33	397	0.33	.16	232	0.31	-.56
102	14.43	-.34	Meth: 221.30 PCT			043	0.0235 s	32.66	296	0.34	.13	433	0.31	-.58
372	2.72	-1.29	Acid Soluble Copper			372	0.0040	3.05	Avg	0.33		114	0.31	-.59
368	0.00	-1.53	<u>ICP</u>			354	0.0035 R	2.41	177	0.33	-.12	247	0.31	-.59
232	0.00	-1.53	009	18.800 s	5299.12	444	0.0028 R	1.62	029	0.33	-.32	444	0.31	-.66
			372	0.0040	3.57	422	0.0025 R	1.08	105	0.33 R	-1.21	393	0.31	-.70
			354	0.0035 R	2.79	255	0.0026	.92	028	0.30	-1.38	065	0.30	-.85
Meth: 202.99 PPM			444	0.0028 R	1.86	095	0.0023	.47	262	0.29	-2.05	453	0.31	-.87
Acid Soluble Cobalt			422	0.0025 R	1.20	393	0.0022	.37	428	0.08 s	-10.87	402	0.30	-.91
<u>Other</u>			255	0.0026	.94	409	0.0022	.30				307	0.30	-.97
409	25.05	.87	095	0.0023	.38	105	0.0020	.15	Meth: 241.30 PCT			230	0.30	-1.03
Avg	15.02		393	0.0022	.25	389	0.0020	.01	Acid Soluble Iron			372	0.28	-1.36
231	5.00	-.87	Avg	0.0021		230	0.0020	.01	<u>ICP</u>			102	0.28	-1.41
			389	0.0020	-.19	402	0.0020	.01	432	0.45 s	3.84	027	0.26	-1.97
Meth: 202.XX PPM			230	0.0020	-.19	453	0.0020	.01	330	0.40	2.13	450	0.27 R	-2.29
<u>Acid Soluble Cobalt</u>			453	0.0020	-.19	Avg	0.0020		057	0.40	2.13	117	0.26 R	-2.29
136	41.50	1.78	402	0.0020	-.19	247	0.0020	-.10	389	0.38	1.38			
105	30.00	.88	247	0.0020	-.30	231	0.0020	-.10	454	0.36	1.23	Meth: 241.99 PCT		
037	29.14	.81	102	0.0019	-.37	102	0.0019	-.14	354	0.37	1.18	Acid Soluble Iron		
009	27.30 R	.75	037	0.0020	-.40	454	0.0019	-.23	368	0.36	1.18	<u>Other</u>		
450	28.00	.74	454	0.0019	-.48	433	0.0018	-.23	106	0.37	1.08	137	0.36	.87
057	27.92	.71	433	0.0018	-.49	037	0.0020	-.26	409	0.34 R	.96	Avg	0.32	
409	25.05	.48	057	0.0018	-.55	057	0.0018	-.29	324	0.36	.91	042	0.28	-.87
393	22.17	.25	232	0.0018	-.56	232	0.0018	-.29	095	0.35	.80			
230	21.10	.18	324	0.0018	-.66	324	0.0018	-.37	390	0.35	.71	Meth: 241.XX PCT		
Avg	18.97		065	0.0017	-.79	065	0.0017	-.47	009	0.35	.66	<u>Acid Soluble Iron</u>		
247	18.50	-.05	368	0.0015 R	-1.47	368	0.0015 R	-1.06	233	0.34	.40	442	0.62 s	9.32
102	14.43	-.40				262	0.0000	-3.02	360	0.34	.39	432	0.45 s	4.05
231	5.00	-1.10	Meth: 221.99 PCT			Meth: 241.00 PCT			131	0.34	.35	330	0.40	2.26
372	2.72	-1.28	Acid Soluble Copper			Acid Soluble Iron			096	0.34	.22	057	0.40	2.25
368	0.00	-1.50	<u>Other</u>			<u>Atomic Absorption</u>			426	0.33	.15	389	0.38	1.47
232	0.00	-1.50	409	0.0022	.84	442	0.62 s	12.29	255	0.33	.10	454	0.36	1.30
			Avg	0.0021					Avg	0.33		354	0.37	1.25

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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: 241.XX PCT			Meth: 251.XX PPM			Meth: 261.30 PCT			Meth: 261.31 PCT		
<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>		
368	0.36 R	1.25	307	0.30	-1.01	136	11.50 s	11.28	ICP			454	0.163	-.46
106	0.37	1.15	230	0.30	-1.07	368	2.80	1.55	330	0.200	1.99	073	0.159	-.90
409	0.34 R	1.02	262	0.29	-1.42	450	2.50 R	1.32	368	0.192 R	1.82			
055	0.36	.98	372	0.28	-1.42	409	2.27	.94	390	0.184	1.19			
137	0.36	.98	102	0.28	-1.47	393	2.07	.71	230	0.186	1.13	Meth: 261.99 PCT		
324	0.36	.97	042	0.28	-1.57	231	1.90	.53	354	0.185	1.12	Acid Soluble Manganese		
095	0.35	.86	027	0.26	-2.06	105	1.60	.29	106	0.180	.99	<u>Other</u>		
390	0.35	.76	450	0.27 R	-2.39	230	1.58	.17	453	0.180	.99	028	0.190	.89
371	0.35	.75	117	0.26 R	-2.40	Avg	1.43		131	0.177	.99	137	0.180	.43
351	0.35	.71	428	0.08 s	-8.02	444	1.17	-.31	389	0.180	.80	255	0.176	.29
009	0.35	.71				102	0.77	-.74	450	0.177	.77	Avg	0.170	
043	0.35	.68	Meth: 251.00 PPM			065	0.13	-1.45	402	0.177	.64	042	0.135	-1.56
233	0.34	.43	Lead			372	0.00	-1.60	444	0.175	.58	409	0.002 S	-7.41
360	0.34	.42	<u>Atomic Absorption</u>						009	0.175	.58			
131	0.34	.38	136	11.50 S	.00	Meth: 261.00 PCT			360	0.173	.41	Meth: 261.XX PCT		
096	0.34	.24				Acid Soluble Manganese			426	0.172	.29	<u>Acid Soluble Manganese</u>		
296	0.34	.21	Meth: 251.30 PPM			<u>AA</u>			247	0.168	.08	200	0.260 s	6.10
397	0.33	.20	Lead			200	0.260 S	8.57	Avg	0.167		442	0.249 s	5.12
426	0.33	.17	<u>ICP</u>			442	0.249 S	7.14	232	0.166	-.08	432	0.245 s	4.95
177	0.33	.13	368	2.80	1.67	351	0.185	1.41	023	0.165	-.20	330	0.200	2.03
255	0.33	.12	450	2.50 R	1.44	397	0.177	.81	114	0.165	-.31	368	0.192 R	1.87
Avg	0.33		393	2.07	.86	055	0.175	.62	393	0.159	-.45	028	0.190	1.42
029	0.33	-.17	105	1.60	.42	296	0.175	.49	065	0.162	-.50	390	0.184	1.21
422	0.33	-.19	230	1.58	.34	Avg	0.170		095	0.158	-.51	351	0.185	1.14
023	0.32	-.39	Avg	1.26		262	0.170	-.03	057	0.157	-.76	230	0.186	1.13
291	0.31	-.55	444	1.17	-.16	105	0.170	-.63	291	0.152	-.90	354	0.185	1.12
073	0.31	-.56	102	0.77	-.53	177	0.156	-1.30	433	0.152	-.90	131	0.177 R	1.01
232	0.31	-.58	065	0.13	-1.22	043	0.155	-1.46	307	0.148	-1.12	106	0.180	1.00
433	0.31	-.60	372	0.00	-1.36				027	0.145	-1.28	453	0.180	1.00
247	0.31	-.61				Meth: 261.11 PCT			372	0.145	-1.31	324	0.181	.85
114	0.31	-.61	Meth: 251.99 PPM			Acid Soluble Manganese			102	0.142	-1.47	137	0.180	.78
444	0.31	-.69	Lead			<u>AA</u>			422	0.128	-2.29	389	0.180	.78
393	0.31	-.73	<u>Other</u>			029	0.175	-.71				450	0.177	.76
065	0.30	-.88	409	2.27	.88	Meth: 261.30 PCT			Meth: 261.31 PCT			397	0.177	.69
105	0.33 R	-.88	Avg	2.09		Acid Soluble Manganese			Acid Soluble Manganese			402	0.177	.62
453	0.31	-.91	231	1.90	-.86	<u>ICP</u>			<u>ICP</u>			055	0.175	.56
028	0.30	-.91				432	0.245 s	4.74	324	0.181	1.22	444	0.175	.56
402	0.30	-.95							Avg	0.168		255	0.176	.56

* 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: 261.XX PCT			Meth: 281.99 PPM			Meth: 289.XX PPM			Meth: 291.30 PPM			Meth: 301.30 PPM		
<u>Acid Soluble Manganese</u>			<u>Mercury</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Selenium</u>		
029	0.175	.55	Other			444	14.00 s	8.16	ICP			065	0.74 X	-.58
009	0.175	.55	409	0.11	.71	232	9.85	2.13	105	43.00	-.26	450	1.00	-.69
296	0.175	.49				450	8.50 R	1.77	393	27.17 X	-2.60	372	0.00	-.97
105	0.170	.46	Meth: 281.XX PPM			057	8.52	1.02	372	11.83 s	-4.86			
360	0.173	.38	<u>Mercury</u>			247	9.00	.82	Meth: 291.99 PPM			Meth: 301.99 PPM		
426	0.172	.25	409	0.11	.90	037	8.94	.74	<u>Nickel</u>			<u>Selenium</u>		
262	0.170	.15	Avg	0.06		368	8.85	.71	<u>Other</u>			<u>Other</u>		
247	0.168	.03	372	0.01	-.83	230	8.52	.26	409	48.25	.87	231	1.04	.89
Avg	0.168					307	8.36	.17	Avg	29.62		Avg	0.97	
232	0.166	-.12	Meth: 289.30 PPM			065	8.35	.11	231	10.99	-.87	409	0.89	-.84
023	0.165	-.25	<u>Molybdenum</u>			Avg	8.30		Meth: 291.XX PPM			Meth: 301.XX PPM		
454	0.163	-.32	<u>ICP</u>			393	7.78	-.61	<u>Nickel</u>			<u>Selenium</u>		
114	0.165	-.35	444	14.00 s	7.97	102	7.78	-.64	444	54.47 R	1.03	368	4.90	2.04
393	0.159	-.54	232	9.85	2.04	409	7.68	-.74	136	54.00	.96	393	2.82	.73
065	0.162	-.57	450	8.50 R	1.74	433	7.30	-1.18	247	50.50	.70	Avg	1.63	
095	0.158	-.60	057	8.52	.99	009	7.00	-1.54	232	49.35 R	.69	231	1.04	-.36
073	0.159	-.62	247	9.00	.74	231	4.62 A	-4.40	368	48.60	.57	230	1.01	-.38
177	0.156	-.73	037	8.94	.67	105	0.07 s	-9.65	409	48.25	.54	409	0.89	-.45
043	0.155	-.85	368	8.85	.64	372	0.00 s	-9.73	037	47.43	.49	065	0.74 X	-.57
057	0.157	-.85	230	8.52	.20	Meth: 291.00 PPM			065	47.27	.47	450	1.00 R	-.72
291	0.152	-1.01	307	8.36	.16	<u>Nickel</u>			102	46.24	.44	372	0.00	-.99
433	0.152	-1.01	Avg	8.35		<u>Atomic Absorption</u>			009	46.65	.44	Meth: 311.30 PCT		
307	0.148	-1.24	065	8.35	-.09	136	54.00	.71	230	45.85	.37	<u>Sodium</u>		
027	0.145	-1.42	393	7.78	-.66	Meth: 291.30 PPM			105	43.00	.17	<u>Flame Photometric</u>		
372	0.145	-1.45	102	7.78	-.68	<u>Nickel</u>			Avg	40.60		372	1.62	.70
102	0.142	-1.62	433	7.30	-1.22	<u>ICP</u>			393	27.17 X	-.95	Avg	1.42	
042	0.135	-2.07	009	7.00	-1.58	444	54.47 R	1.57	372	11.83	-2.04	450	1.23	-1.01
422	0.128	-2.49	105	0.07 s	-9.54	232	49.35 R	.93	231	10.99	-2.10	Meth: 311.99 PCT		
409	0.002 s	-10.41	372	0.00 s	-9.62	247	50.50	.85	Meth: 301.30 PPM			<u>Sodium</u>		
Meth: 281.30 PPM			Meth: 289.99 PPM			368	48.60	.57	<u>Selenium</u>			<u>Other</u>		
<u>Mercury</u>			<u>Molybdenum</u>			102	46.24	.45	<u>ICP</u>			<u>Other</u>		
<u>ICP</u>			<u>Other</u>			037	47.43	.41	368	4.90	1.79	422	1.81	1.87
372	0.01	.00	409	7.68	.82	065	47.27	.37	393	2.82	.60	232	1.64	.34
			Avg	6.15		009	46.65	.33	Avg	1.75		Avg	1.61	
			231	4.62	-.91	230	45.85	.17	230	1.01	-.41	102	1.57	-.36
						Avg	44.75							

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 311.99 PCT			Meth: 321.30 PCT			Meth: 321.99 PCT			Meth: 321.XX PCT			Meth: 325.XX PCT		
<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Water Soluble Zinc</u>		
<u>Other</u>			<u>ICP</u>			<u>Other</u>			371	0.240	.19	095	0.250	.87
009	1.59	-.41	426	0.287	2.53	137	0.260	.85	055	0.240	.13	Avg	0.173	
454	1.53	-.83	368	0.270	1.74	Avg	0.256		402	0.240	.10	428	0.097	-.87
057	1.51	-.95	037	0.262 R	1.44	409	0.255	-.94	247	0.239	.09			
453	0.24 S	-12.90	117	0.255	1.01	231	0.255	-.94	Avg	0.237				
			057	0.250	.82	028	0.252	-1.00	131	0.236	-.12			
Meth: 311.XX PCT			409	0.250	.79	042	0.170 s	-16.19	444	0.235	-.27			
<u>Sodium</u>			324	0.248	.68				397	0.231	-.35			
422	1.81	2.01	106	0.245	.60	Meth: 321.XX PCT			393	0.230	-.37			
232	1.64	.35	453	0.245	.60	<u>Acid Soluble Zinc</u>			114	0.225	-.66			
372	1.62	.16	230	0.245	.55	432	0.350 s	5.74	023	0.224	-.68			
Avg	1.61		354	0.245	.53	029	0.310 A	3.60	450	0.227 R	-.77			
102	1.57	-.41	255	0.245	.53	426	0.287	2.42	372	0.221	-.81			
009	1.59	-.45	360	0.243	.46	368	0.270	1.60	232	0.221	-.82			
454	1.53	-.92	422	0.243	.44	262	0.265	1.38	389	0.220	-.86			
057	1.51	-1.05	390	0.242	.41	037	0.262 R	1.31	043	0.215	-1.13			
450	1.23 R	-4.44	454	0.242	.40	105	0.262	1.23	291	0.214	-1.16			
453	0.24 s	-14.02	009	0.241	.40	137	0.260	1.11	065	0.209	-1.41			
			402	0.240	.29	231	0.255	.90	307	0.210	-1.43			
			247	0.239	.27	409	0.255	.90	102	0.202	-1.76			
Meth: 321.00 PCT			444	0.235	.25	117	0.255	.84	330	0.200	-1.85			
<u>Acid Soluble Zinc</u>			131	0.236	.12	028	0.252	.74	433	0.193	-2.19			
<u>Atomic Absorption</u>			Avg	0.233		057	0.250	.66	027	0.192	-2.24			
029	0.310	2.38	393	0.230	-.16	409	0.250	.62	042	0.170 s	-3.36			
262	0.265	.60	114	0.225	-.46	351	0.250	.61	292	0.030 s	-10.23			
105	0.262	.47	023	0.224	-.47	296	0.250	.61						
Avg	0.251		372	0.221	-.59	177	0.248	.51	Meth: 325.00 PCT					
351	0.250	-.09	232	0.221	-.60	324	0.248	.50	<u>Water Soluble Zinc</u>					
296	0.250	-.12	389	0.220	-.64	106	0.245	.45	<u>Atomic Absorption</u>					
177	0.248	-.13	450	0.227 R	-.64	453	0.245	.45	428	0.097	-.71			
055	0.240	-.44	291	0.214	-.92	230	0.245	.38						
371	0.240	-.45	065	0.209	-1.16	354	0.245	.36	Meth: 325.30 PCT					
397	0.231	-.82	307	0.210	-1.20	255	0.245	.35	<u>Water Soluble Zinc</u>					
043	0.215	-1.46	102	0.202	-1.51	360	0.243	.28	<u>ICP</u>					
			330	0.200	-1.59	422	0.243	.26	095	0.250	.71			
Meth: 321.30 PCT			433	0.193	-1.92	454	0.242	.23						
<u>Acid Soluble Zinc</u>			027	0.192	-1.97	009	0.241	.23						
<u>ICP</u>			292	0.030 s	-9.68	390	0.242	.23						
432	0.350 s	5.73												

* 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	10	- 0.65	2.28	0.20	050.51	9	- 0.95	2.75	0.43
001.99	12	0.29	4.89	0.08	050.60	6	0.00	0.97	0.37
001.XX	22	0.17	3.93	0.08	050.61	12	0.03	0.95	0.36
002.10	2	0.00	1.00	0.50	050.99	19	0.10	1.06	0.24
002.20	3	- 12.60	21.84	5.06	050.XX	76	- 0.25	1.54	0.38
002.99	4	- 2.12	4.33	3.43	060.00	5	0.00	1.03	0.22
002.XX	9	- 2.55	5.24	2.72	060.XX	5	0.00	1.03	0.22
009.10	7	- 2.23	7.07	0.55	101.00	10	0.00	0.89	0.48
009.XX	8	- 2.09	7.09	0.57	101.30	32	0.27	2.60	0.72
010.11	7	0.00	1.04	0.05	101.99	3	0.00	1.11	0.13
010.12	4	- 0.16	0.96	0.52	101.XX	46	0.18	2.22	0.63
010.60	62	1.19	10.35	0.24	121.00	11	- 0.29	1.29	0.75
010.99	3	- 6.22	10.81	0.34	121.30	34	- 0.29	3.87	0.17
010.XX	73	0.65	8.88	0.28	121.99	4	0.00	0.94	0.46
020.10	5	0.00	1.01	0.30	121.XX	49	- 0.39	4.07	0.35
020.20	18	- 1.31	4.05	0.22	131.00	2	0.00	0.65	0.73
020.40	6	0.00	1.03	0.17	131.30	2	0.00	1.22	0.09
020.50	14	0.31	1.46	0.42	131.XX	5	0.03	0.93	0.40
020.99	5	- 0.77	11.19	3.91	144.01	18	- 0.05	1.00	0.28
020.XX	46	- 0.77	4.36	0.93	144.99	22	- 0.08	1.01	0.56
030.40	2	0.00	1.22	0.00	144.XX	41	- 0.07	1.01	0.43
030.XX	6	0.03	0.95	0.17	151.30	6	3.85	9.47	0.19
040.40	3	0.00	1.07	0.27	151.99	2	0.00	0.68	0.72
040.50	2	0.00	1.22	0.07	151.XX	9	3.17	9.57	0.20
040.XX	8	0.00	1.03	0.11	165.00	10	0.315	1.759	0.517
041.10	13	- 0.13	1.02	0.55	165.99	20	- 0.195	2.759	0.225
041.20	2	0.00	0.89	0.60	165.XX	30	- 0.030	2.544	0.347
041.40	4	- 1.86	3.83	0.17	171.99	2	0.000	1.225	0.000
041.50	10	0.33	1.36	0.45	171.XX	2	0.000	1.225	0.000
041.60	12	0.15	1.07	0.38	181.30	15	- 0.38	1.74	0.30
041.99	2	- 0.35	0.50	2.83	181.99	2	0.00	1.08	0.41
041.XX	33	- 0.19	1.66	0.80	181.XX	18	- 0.30	1.59	0.33
048.20	3	0.00	1.08	0.25	190.00	13	0.06	1.00	0.09
048.99	2	0.00	1.22	0.07	190.99	5	39.15	93.06	5.01
048.XX	5	0.00	1.05	0.11	190.XX	18	6.56	29.26	1.60
050.00	14	0.06	0.98	0.58	191.30	15	0.00	1.01	0.10
050.10	3	0.00	0.97	0.46	191.99	2	0.00	1.22	0.03
050.30	11	- 0.37	1.54	0.23	191.XX	17	0.00	1.01	0.09
050.50	10	0.00	0.97	0.27	202.30	12	0.07	1.00	0.15

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
202.99	2	0.00	1.22	0.01					
202.XX	15	0.04	0.99	0.12					
221.00	3	6.4790	11.255	0.2543					
221.30	22	1604.6	7525.6	40.037					
221.99	2	0.0000	1.1583	0.2814					
221.XX	27	1058.1	5491.2	29.215					
241.00	13	0.08	4.81	0.45					
241.30	39	0.00	1.19	0.41					
241.99	2	0.00	1.22	0.00					
241.XX	54	0.04	2.03	0.41					
251.30	9	0.15	1.06	0.21					
251.99	2	0.00	1.21	0.14					
251.XX	12	1.04	3.37	0.25					
261.00	10	1.526	3.330	0.938					
261.30	31	0.199	1.272	0.382					
261.31	3	0.000	1.056	0.299					
261.99	5	- 1.483	3.440	0.158					
261.XX	50	0.150	2.183	0.441					
281.XX	2	0.000	1.180	0.231					
289.30	16	- 0.78	3.87	1.29					
289.99	2	0.00	1.16	0.28					
289.XX	18	- 0.93	3.80	1.25					
291.30	12	- 0.23	1.75	0.29					
291.99	2	0.00	1.22	0.02					
291.XX	15	0.11	0.99	0.13					
301.30	6	0.00	1.00	0.29					
301.99	2	0.00	1.15	0.29					
301.XX	8	- 0.05	0.96	0.27					
311.30	2	0.00	0.99	0.51					
311.99	7	- 1.84	4.97	0.21					
311.XX	9	- 1.99	4.77	0.73					
321.00	10	0.000	1.022	0.102					
321.30	37	- 0.082	2.095	0.295					
321.99	5	- 3.215	7.210	1.083					
321.XX	51	- 0.087	2.023	0.280					