

- Pass 1 Results for 76 Labs - - Pass 2 Results for 74 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	5	8.56	0.25	0.09	5	8.56	0.25	0.09
Ammoniacal Nitrogen, Other		001.99	12	8.71	0.28	0.05	12	8.71	0.28	0.05
Method Group 001.XX PCT			17	8.67	0.27	0.06	17	8.67	0.27	0.06
Nitrate Nitrogen, Other		002.99	3	0.20	0.02	0.01	3	0.20	0.02	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	5	9.11	0.15	0.06	5	9.11	0.15	0.06
Total Nitrogen, Modified Comprehensive	978.02	010.11	10	8.82	0.12	0.05	10	8.82	0.12	0.05
Total Nitrogen, Salicylic	955.04D	010.12	2	9.00	0.09	0.03	2	9.00	0.09	0.03
Total Nitrogen, Raney	970.03	010.16	1	8.57	0.11	0.15	1	8.57	0.11	0.15
Total Nitrogen, Combustion		010.60	46	9.02	0.12	0.07	43	9.03	0.11	0.06
Total Nitrogen, Other		010.99	2	8.92	0.27	0.21	2	8.92	0.27	0.21
Method Group 010.XX PCT			63	8.97	0.17	0.08	59	8.97	0.16	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	5	23.65	0.18	0.13	5	23.65	0.18	0.13
Total Phosphate, Spectrometric	958.01	020.20	18	23.37	0.33	0.13	17	23.37	0.33	0.11
Total Phosphate, Automated	978.01	020.40	9	23.39	0.36	0.30	8	23.43	0.26	0.16
Total Phosphate, ICP		020.50	11	23.01	0.72	0.39	11	23.01	0.72	0.39
Total Phosphate, Other		020.99	1	23.20	0.00	0.00	1	23.20	0.00	0.00
Method Group 020.XX PCT			44	23.31	0.49	0.23	41	23.32	0.41	0.18
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.05	0.00	0.00	1	0.05	0.00	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.14	0.01	0.01	1	0.14	0.01	0.01
Insoluble Phosphate, ICP		030.50	1	0.08	0.00	0.01	1	0.08	0.00	0.01
Insoluble Phosphate, Other		030.99	1	0.17	0.02	0.03	1	0.17	0.02	0.03
Method Group 030.XX PCT			4	0.11	0.05	0.01	4	0.11	0.05	0.01
InDir Available Phosphate, Grav Quim	960.02	040.10	1	23.58	0.02	0.03	1	23.58	0.02	0.03
InDir Available Phosphate, Automated	960.02	040.40	1	23.33	0.06	0.09	1	23.33	0.06	0.09
InDir Available Phosphate, ICP		040.50	1	22.07	0.02	0.03	1	22.07	0.02	0.03
InDir Available Phosphate, Other		040.99	2	23.24	0.04	0.06	2	23.24	0.04	0.06
Method Group 040.XX PCT			5	23.09	0.55	0.05	5	23.09	0.55	0.05
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	14	23.36	0.17	0.09	13	23.35	0.17	0.07
Dir Available Phosphate, Spectrometric	960.03D	041.20	4	23.13	0.22	0.08	4	23.13	0.22	0.08
Dir Available Phosphate, Automated	978.01	041.40	5	23.38	0.23	0.10	5	23.38	0.23	0.10
Dir Available Phosphate, ICP		041.50	9	23.25	0.44	0.12	10	23.37	0.56	0.12
Dir Available Phosphate, EDTA Extract	993.01	041.60	9	23.19	0.18	0.18	9	23.19	0.18	0.18
Dir Available Phosphate, Other		041.99	1	23.43	0.06	0.09	1	23.43	0.06	0.09
Method Group 041.XX PCT			42	23.28	0.27	0.11	39	23.31	0.24	0.10
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	21.63	0.76	0.09	3	21.63	0.76	0.09
Soluble Potash, STPB Oxalate	958.02	050.00	13	29.86	0.51	0.18	13	29.86	0.51	0.18
Soluble Potash, STPB Citrate	969.04	050.10	1	29.60	0.18	0.26	1	29.60	0.18	0.26
Soluble Potash, AA (Oxalate)		050.30	7	29.38	0.86	0.26	7	29.38	0.86	0.26
Soluble Potash, AA (Citrate)		050.31	1	29.82	0.03	0.04	1	29.82	0.03	0.04

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Soluble Potash, ICP (Oxalate) .....		050.50	7	29.99	1.08	0.25	7	29.99	1.08	0.25
Soluble Potash, ICP (Citrate) .....		050.51	7	29.83	0.52	0.42	6	29.93	0.35	0.22
Soluble Potash, Flame (Oxalate) .....	983.02(a)	050.60	5	29.74	0.87	0.34	5	29.74	0.87	0.34
Soluble Potash, Flame (Citrate) .....	983.02(b)	050.61	9	30.28	0.32	0.16	9	30.28	0.32	0.16
Soluble Potash, Other .....		050.99	15	29.78	0.69	0.42	14	29.72	0.56	0.25
Method Group 050.XX PCT			65	29.84	0.71	0.29	62	29.81	0.62	0.22
Free Water, Vacuum Oven .....	965.08B	060.00	4	1.47	0.36	0.05	4	1.47	0.36	0.05
Free Water, Vacuum Desiccate .....	965.08A	060.10	1	0.95	0.03	0.04	1	0.95	0.03	0.04
Free Water, Other .....		060.99	1	6.58	0.04	0.06	1	6.58	0.04	0.06
Method Group 060.XX PCT			6	2.23	2.06	0.05	6	2.23	2.06	0.05
Acid Soluble Calcium, AA .....	945.04	101.00	1	0.19	0.00	0.00	1	0.19	0.00	0.00
Acid Soluble Calcium, ICP .....		101.30	10	0.21	0.01	0.01	10	0.21	0.01	0.01
Method Group 101.XX PCT			11	0.20	0.01	0.01	11	0.20	0.01	0.01
Acid Soluble Magnesium, ICP .....		121.30	12	0.41	0.02	0.01	11	0.41	0.02	0.01
Method Group 121.XX PCT			12	0.41	0.02	0.01	11	0.41	0.02	0.01
Sulfur, Gravimetric .....	980.02a	144.01	8	0.54	0.04	0.02	7	0.55	0.02	0.01
Sulfur, Gravimetric .....	980.02b	144.02	1	0.50	0.01	0.01	1	0.50	0.01	0.01
Sulfur, Other .....		144.99	19	0.54	0.05	0.01	18	0.54	0.04	0.01
Method Group 144.XX PCT			28	0.54	0.05	0.01	25	0.54	0.04	0.01
Arsenic, Atomic Absorption .....		151.00	1	7.80	0.00	0.00	1	7.80	0.00	0.00
Arsenic, ICP .....		151.30	7	7.74	3.18	0.83	6	7.04	2.78	0.47
Arsenic, Other .....		151.99	1	8.50	0.19	0.27	1	8.50	0.19	0.27
Method Group 151.XX PPM			9	7.84	2.79	0.68	7	7.39	2.57	0.11
Acid Soluble Boron, Other .....		165.99	5	0.016	0.015	0.003	5	0.016	0.015	0.003
Cadmium, Atomic Absorption .....		181.00	2	2.35	0.46	0.08	2	2.35	0.46	0.08
Cadmium, ICP .....		181.30	6	1.87	0.14	0.13	6	1.87	0.14	0.13
Cadmium, Other .....		181.99	1	1.79	0.03	0.04	1	1.79	0.03	0.04
Method Group 181.XX PPM			10	1.90	0.35	0.13	10	1.90	0.35	0.13
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	7	23.33	0.65	0.09	7	23.33	0.65	0.09
Water Soluble Chlorine, Other .....		190.99	5	22.78	1.18	0.15	5	22.78	1.18	0.15
Method Group 190.XX PCT			12	23.10	0.92	0.12	12	23.10	0.92	0.12
Chromium, ICP .....		191.30	12	47.88	9.88	2.54	11	48.21	10.01	1.41
Chromium, Other .....		191.99	1	61.61	0.71	1.01	1	61.61	0.71	1.01
Method Group 191.XX PPM			13	48.93	10.19	2.42	12	49.33	10.29	1.38
Acid Soluble Cobalt, ICP .....	965.11	202.30	10	1.86	0.97	0.23	9	1.82	1.00	0.13
Acid Soluble Cobalt, Other .....		202.99	1	2.84	0.02	0.03	1	2.84	0.02	0.03
Method Group 202.XX PPM			11	1.95	0.97	0.22	10	1.92	1.00	0.12
Acid Soluble Copper, Atomic Absorption	975.01	221.00	1	0.0004	0.0000	0.0000	1	0.0004	0.0000	0.0000
Acid Soluble Copper, ICP .....		221.30	11	0.0015	0.0021	0.0002	9	0.0010	0.0020	0.0001

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Acid Soluble Copper, Other .....		221.99	1	0.0001	0.0000	0.0000	1	0.0001	0.0000	0.0000
Method Group 221.XX PCT			13	0.0013	0.0020	0.0002	11	0.0009	0.0018	0.0001
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	0.70	0.01	0.01	2	0.70	0.01	0.01
Acid Soluble Iron, ICP .....		241.30	11	0.70	0.03	0.02	11	0.70	0.03	0.02
Method Group 241.XX PCT			13	0.70	0.03	0.02	13	0.70	0.03	0.02
Lead, ICP .....		251.30	6	1.64	1.61	0.44	5	1.47	1.66	0.13
Lead, Other .....		251.99	1	1.14	0.01	0.01	1	1.14	0.01	0.01
Method Group 251.XX PPM			7	1.57	1.49	0.38	6	1.41	1.50	0.11
Acid Soluble Manganese, AA .....	972.02a	261.00	1	0.011	0.001	0.001	1	0.011	0.001	0.001
Acid Soluble Manganese, ICP .....	972.02a	261.30	9	0.013	0.001	0.000	8	0.013	0.001	0.000
Acid Soluble Manganese, Other .....		261.99	1	0.012	0.000	0.000	1	0.012	0.000	0.000
Method Group 261.XX PCT			11	0.013	0.001	0.000	10	0.013	0.001	0.000
Mercury, ICP .....		281.30	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Molybdenum, ICP .....		289.30	12	3.82	0.83	0.32	11	3.79	0.82	0.19
Molybdenum, Other .....		289.99	2	2.75	3.17	0.04	2	2.75	3.17	0.04
Method Group 289.XX PPM			14	3.67	1.36	0.28	13	3.63	1.39	0.17
Nickel, ICP .....		291.30	11	8.78	1.37	1.05	10	8.60	1.15	0.77
Nickel, Other .....		291.99	1	9.47	0.04	0.06	1	9.47	0.04	0.06
Method Group 291.XX PPM			12	8.84	1.33	0.97	10	8.77	1.02	0.46
Selenium, ICP .....		301.30	3	3.26	3.46	0.39	3	3.26	3.46	0.39
Selenium, Other .....		301.99	1	2.92	0.28	0.40	1	2.92	0.28	0.40
Method Group 301.XX PPM			4	3.18	2.93	0.39	4	3.18	2.93	0.39
Sodium, Other .....		311.99	7	0.66	0.09	0.02	7	0.66	0.09	0.02
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	2	0.002	0.000	0.000	2	0.002	0.000	0.000
Acid Soluble Zinc, ICP .....		321.30	17	0.004	0.003	0.001	14	0.003	0.002	0.000
Method Group 321.XX PCT			19	0.003	0.002	0.001	16	0.003	0.002	0.000
Water Soluble Zinc, ICP .....		325.30	2	0.025	0.028	0.001	2	0.025	0.028	0.001

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: 001.XX PCT Ammoniacal Nitrogen <u>Avg</u>			Meth: 010.11 PCT Total Nitrogen <u>Modified Comprehensi</u>			Meth: 010.60 PCT Total Nitrogen <u>Combustion</u>			Meth: 010.99 PCT Total Nitrogen <u>Other</u>		
232	8.75	.80	420	8.57	-.37	371	8.63	-1.64	177	9.06	.28	Avg	8.92	
371	8.75	.78	419	8.57	-.46	309	8.60	-1.82	057	9.06	.25	420	8.73	-.69
456	8.68	.47	309	8.48	-.70	260	8.17 s	-5.42	232	9.03	.18	072	8.49 S	-1.62
Avg	8.56		027	8.40	-.97				402	9.05	.17	030	8.82 S	-2.34
309	8.48	-.35	230	8.14	-1.95	Meth: 010.12 PCT Total Nitrogen <u>Salicylic</u>			Avg	9.03		Meth: 010.XX PCT Total Nitrogen		
230	8.14	-1.71	368	8.07	-2.16	254	9.08	.86	405	9.02	-.06	428	9.60 s	3.96
Meth: 001.99 PCT Ammoniacal Nitrogen <u>Other</u>			Meth: 002.99 PCT Nitrate Nitrogen <u>Other</u>			Avg			390	9.02	-.17	360	9.33	2.28
422	9.10	1.42	232	0.22	.72	351	8.93	-.88	330	9.00	-.24	291	9.30	2.04
393	9.00	1.06	027	0.21	.38	Meth: 010.16 PCT Total Nitrogen <u>Raney</u>			324	9.00	-.29	105	9.10 R	1.50
137	8.95	.87	Avg	0.20		419	8.57	-.71	009	8.98	-.37	231	9.16	1.23
247	8.82	.42	393	0.19	-1.35	Meth: 010.60 PCT Total Nitrogen <u>Combustion</u>			034	9.01	-.46	406	9.16	1.23
096	8.80	.34	Meth: 009.10 PCT Ammon & Nitrate N <u>Devarda</u>			428	9.60 s	5.06	096	9.01	-.55	029	9.13	1.22
255	8.77	.25	169	9.26	.95	360	9.33	2.70	028	8.98	-.67	007	9.05 R	1.07
397	8.73	.13	258	9.21	.70	291	9.30	2.35	262	8.95	-.70	233	9.02 R	1.06
169	8.73	.10	393	9.18	.46	007	9.05 R	1.33	035	9.02	-.70	055	9.12	.97
Avg	8.71		Avg	9.11		029	9.13	1.33	102	9.00	-.82	072	9.12	.94
420	8.57	-.53	257	9.05	-.52	406	9.16	1.22	451	8.93	-.85	247	9.12	.94
419	8.57	-.59	090	8.87	-1.62	231	9.16	1.21	037	8.95	-.92	255	9.11	.89
027	8.40	-1.12	Meth: 010.11 PCT Total Nitrogen <u>Modified Comprehensi</u>			055	9.12	.86	234	8.92	-.97	086	9.10	.88
368	8.07	-2.31	105	8.97	1.32	072	9.12	.80	024	8.91	-.98	040	9.11	.86
Meth: 001.XX PCT Ammoniacal Nitrogen			460	8.93	.90	247	9.12	.80	368	8.90	-1.11	043	9.10	.85
422	9.10	1.59	455	8.88	.51	086	9.10	.75	443	8.90	-1.11	377	9.10	.83
393	9.00	1.23	114	8.86	.48	255	9.11	.73	027	8.89	-1.23	292	9.09	.77
137	8.95	1.04	211	8.87	.43	043	9.10	.72	325	8.89	-1.25	254	9.08	.71
247	8.82	.59	029	8.86	.35	040	9.11	.69	136	8.88	-1.30	393	9.07	.65
096	8.80	.50	090	8.82	.21	377	9.10	.65	233	9.02 R	-1.42	035	9.02	.60
255	8.77	.40	Avg	8.82		292	9.09	.56	041	8.87	-1.45	102	9.00	.60
232	8.75	.38	456	8.78	-.36	393	9.07	.39	131	8.82	-1.87	177	9.06	.57
371	8.75	.33	Meth: 010.99 PCT Total Nitrogen <u>Other</u>			043	9.10	.72	157	8.85 R	-1.88	354	9.05	.55
397	8.73	.26	105	9.10	1.01	040	9.11	.69	230	8.88 s	-3.39	057	9.06	.55
169	8.73	.25				377	9.10	.65	095	8.54 s	-4.29	402	9.05	.49
456	8.68	.10				292	9.09	.56				096	9.01	.46
						393	9.07	.39				232	9.03	.41
						354	9.05	.33				034	9.01	.39
												028	8.98	.38

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 020.10 PCT			Meth: 020.40 PCT			Meth: 020.XX PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
405	9.02	.33	<u>Grav Quimociac</u>			<u>Automated</u>			324	23.90	1.43	390	22.60	-1.90
390	9.02	.31	041	23.70	1.05	096	23.46	.22	406	23.84	1.26	291	22.51	-1.97
105	8.97	.31	114	23.77	.78	Avg	23.43		027	23.78	1.12	330	22.55	-2.06
324	9.00	.24	057	23.76	.63	247	23.41	-.23	232	23.76	1.11	255	22.40	-2.31
330	9.00	.21	Avg	23.65		105	23.34	-.49	114	23.77	1.10	432	22.09 A	-3.08
009	8.98	.12	090	23.63	-.14	035	23.21	-.94	057	23.76	1.06	443	21.28 s	-4.97
Avg	8.97		105	23.38	-1.54	456	23.00	-1.71	428	23.75	1.05	230	21.05 s	-5.68
073	8.96	-.13	Meth: 020.20 PCT			Meth: 020.50 PCT			041	23.70	1.02	Meth: 030.10 PCT		
262	8.95	-.16	<u>Total Phosphate</u>			<u>Total Phosphate</u>			024	23.69	.90	<u>Insoluble Phosphate</u>		
451	8.93	-.24	<u>Spectrometric</u>			<u>ICP</u>			363	23.58	.80	<u>Grav Quimociac</u>		
351	8.93	-.27	324	23.90	1.62	157	24.40	2.00	090	23.63	.74	090 0.05 .00		
460	8.93	-.30	406	23.84	1.41	360	23.81	1.21	095	23.57	.70	Meth: 030.40 PCT		
024	8.91	-.32	232	23.76	1.23	402	23.47	.63	296	23.33	.67	<u>Insoluble Phosphate</u>		
234	8.92	-.35	428	23.75	1.15	451	23.32	.46	231	23.50	.50	<u>Automated</u>		
443	8.90	-.42	363	23.58	.88	422	23.20	.26	169	23.48	.39	096 0.14 .71		
368	8.90	-.44	231	23.50	.49	Avg	23.01		292	23.44	.36	Meth: 030.50 PCT		
037	8.95	-.48	292	23.44	.34	368	22.74	-.36	096	23.46	.36	<u>Insoluble Phosphate</u>		
027	8.89	-.51	169	23.48	.32	291	22.51	-.69	402	23.47	.36	<u>ICP</u>		
325	8.89	-.54	371	23.42	.21	390	22.60	-.70	371	23.42	.27	255 0.08 .71		
136	8.88	-.55	Avg	23.37		330	22.55	-.80	247	23.41	.25	Meth: 030.99 PCT		
455	8.88	-.59	257	23.30	-.22	255	22.40	-.90	105	23.34	.22	<u>Insoluble Phosphate</u>		
211	8.87	-.61	405	23.28	-.30	432	22.09	-1.34	105	23.38	.19	<u>Other</u>		
029	8.86	-.67	309	23.18	-.61	Meth: 020.99 PCT			257	23.30	-.05	247 0.17 .71		
041	8.87	-.67	460	23.14	-.72	<u>Total Phosphate</u>			405	23.28	-.11	Meth: 030.XX PCT		
114	8.86	-.71	296	23.33 R	-.84	<u>Other</u>			451	23.32	-.27	<u>Insoluble Phosphate</u>		
090	8.82	-.90	420	23.01	-1.11	137	23.20	.00	137	23.20	-.29	247 0.17 .71		
131	8.82	-.97	419	23.00	-1.13	422	23.20	-.31	422	23.20	-.31	Meth: 030.99 PCT		
157	8.85	-1.04	258	22.96	-1.25	309	23.18	-.36	309	23.18	-.36	<u>Insoluble Phosphate</u>		
456	8.78	-1.17	234	22.84	-1.63	035	23.21	-.38	035	23.21	-.38	247 0.17 1.21		
420	8.73	-1.45	230	21.05 s	-7.22	460	23.14	-.45	460	23.14	-.45	096 0.14 .56		
371	8.63	-2.14	Meth: 020.40 PCT			Meth: 020.XX PCT			420	23.01	-.76	Avg 0.11		
230	8.88 R	-2.28	<u>Total Phosphate</u>			<u>Total Phosphate</u>			419	23.00	-.78	255 0.08 -.50		
309	8.60	-2.28	<u>Automated</u>			<u>Total Phosphate</u>			456	23.00	-.83	090 0.05 -1.22		
419	8.57	-2.54	027	23.78	1.34	455	30.13 s	16.54	258	22.96	-.88			
095	8.54	-2.67	024	23.69	.99	157	24.40 R	2.80	234	22.84	-1.18			
072	8.49 s	-3.00	095	23.57	.75	360	23.81	1.47	368	22.74	-1.40			
030	8.82 s	-3.94							042	23.09 R	-1.81			
260	8.17 s	-4.98												

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 040.10 PCT			Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 041.XX PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
<u>Grav Quim</u>			<u>Grav Quimociac</u>			<u>ICP</u>								
090	23.58	.71	105	23.36	.24	Avg	23.25		260	23.54	.96	230	18.80 s	-22.89
			Avg	23.35		393	23.16	-.37	057	23.45	.92	351	4.09 s	-79.55
			211	23.32	-.18	377	23.15	-.39	027	23.51	.88			
Meth: 040.40 PCT			211 23.32 -.18			354 23.17 -.40			136 23.48 .77			Meth: 048.20 PCT		
<u>InDir Available Phos</u>			040 23.32 -.39			007 22.73 -1.18			086 23.46 .65			<u>Water Soluble Phosph</u>		
<u>Automated</u>			072 23.28 -.50			291 22.48 -1.59			030 23.46 .64			<u>Spectrometric</u>		
096	23.33	-.71	177	23.30	-.57				043	23.45	.61	420	22.61	1.29
			055	23.23	-.78				009	23.45	.57	Avg	21.63	
			131	23.20	-.88	Meth: 041.60 PCT			105	23.43	.52	096	21.17	-.61
Meth: 040.50 PCT			102 22.98 -2.16			<u>Dir Available Phosph</u>			105	23.42	.52	363	21.11	-.68
<u>InDir Available Phos</u>						<u>EDTA Extract</u>			043	23.34	.43			
<u>ICP</u>									105	23.36	.27	Meth: 050.00 PCT		
255	22.07	.71	Meth: 041.20 PCT			105	23.42	1.30	105	23.36	.27	<u>Soluble Potash</u>		
			<u>Dir Available Phosph</u>			043	23.34	1.00	040	23.32	.25	<u>STPB Oxalate</u>		
			<u>Spectrometric</u>			397	23.29	.96	211	23.32	.05	009	30.76	1.75
Meth: 040.99 PCT			030	23.46	1.50	Avg	23.19	.08	072	23.28	-.24	257	30.40	1.07
<u>InDir Available Phos</u>			Avg	23.13		057	23.19	-.11	177	23.30	-.34	114	30.14	.77
<u>Other</u>			363	23.13	-.16	024	23.02	-.97	055	23.23	-.41	102	30.12	.73
405	23.25	.43	262	22.99	-.69	296	23.19	-1.08	131	23.21	-.42	258	30.03	.33
Avg	23.24		419	22.95	-.87	177	23.00	-1.13	037	23.20	-.43	Avg	29.86	
247	23.24	-1.15				073	23.08	-1.22	131	23.20	-.45	090	29.85	-.05
			Meth: 041.40 PCT			351	4.09 s	-106.02	057	23.19	-.50	211	29.82	-.09
Meth: 040.XX PCT			<u>Dir Available Phosph</u>			Meth: 041.99 PCT			072	23.18	-.53	055	29.78	-.17
<u>InDir Available Phos</u>			<u>Automated</u>			<u>Dir Available Phosph</u>			397	23.29	-.61	397	29.75	-.28
090	23.58	.87	095	23.71	1.46	<u>Other</u>			393	23.16	-.62	231	29.70	-.35
096	23.33	.43	027	23.51	.66				029	23.28	-.63	043	29.61	-.51
405	23.25	.28	Avg	23.38					377	23.15	-.66	057	29.72	-.56
247	23.24	.28	131	23.21	-.74				354	23.17	-.73	072	28.59	-2.50
Avg	23.09		029	23.28	-.79				363	23.13	-.75	230	25.75 s	-8.08
255	22.07	-1.84	072	23.18	-.87				296	23.19 R	-.96			
			Meth: 041.10 PCT			Meth: 041.XX PCT			024	23.02	-1.21	Meth: 050.10 PCT		
Meth: 041.10 PCT			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			073	23.08 R	-1.23	<u>Soluble Potash</u>		
<u>Grav Quimociac</u>			<u>ICP</u>			<u>Dir Available Phosph</u>			177	23.00	-1.32	<u>STPB Citrate</u>		
254	23.65	1.72	009	24.46 S	1.96	009	24.46 s	4.77	262	22.99	-1.33	300	29.60	-.71
057	23.45 R	1.15	325	23.90	.97	095	23.71	1.66	102	22.98	-1.36			
260	23.54	1.10	055	23.61	.44	254	23.65	1.40	419	22.95	-1.50			
136	23.48	.85	360	23.57	.36	055	23.61	1.26	007	22.73	-2.49			
086	23.46	.67	043	23.45	.17	360	23.57	1.07	291	22.48 A	-3.43			
009	23.45	.57												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.30 PCT			Meth: 050.51 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash		
<u>AA (Oxalate)</u>			<u>ICP (Citrate)</u>			<u>Other</u>								
428	33.86 s	5.24	432	29.68	-1.17	137	30.29	1.03	377	30.34	.86	390	29.20	-.99
262	30.43	1.29	009	29.44	-1.40	086	29.92	.37	234	30.31	.86	247	29.17	-1.03
234	30.31	1.11	007	29.23 R	-3.08	360	29.89	.37	024	30.30	.80	368	29.16	-1.04
136	29.70	.39				Avg	29.72		029	30.29	.80	354	29.13	-1.11
040	29.56	.22	Meth: 050.60 PCT			402	29.64	-.23	137	30.29	.78	169	29.11	-1.14
Avg	29.38		Soluble Potash			325	29.45	-.56	114	30.14	.70	043	29.06	-1.24
043	29.06	-.43	<u>Flame (Oxalate)</u>			131	29.69	-.68	041	30.23	.69	419	28.95	-1.38
351	28.41	-1.13	309	30.73	1.14	072	29.30	-.76	037	30.22	.67	371	28.85	-1.55
073	28.18	-1.40	406	30.59	.98	232	29.38	-.78	102	30.12	.66	007	29.23 R	-1.63
			Avg	29.74		247	29.17	-1.00	393	30.17	.58	460	28.75	-1.75
Meth: 050.31 PCT			443	29.54	-.55	368	29.16	-1.01	057	30.02	.39	072	28.59	-1.96
Soluble Potash			169	29.11	-.74	371	28.85	-1.58	258	30.03	.36	351	28.41	-2.25
<u>AA (Citrate)</u>			460	28.75	-1.18	420	27.18 S	-4.58	043	29.94	.34	073	28.18	-2.63
254	29.82	.71				330	25.00 s	-8.53	291	30.00	.32	420	27.18 s	-4.23
			Meth: 050.61 PCT			455	23.13 s	-11.88	360	29.89	.22	030	27.08 s	-4.39
Meth: 050.50 PCT			Soluble Potash			Meth: 050.XX PCT			086	29.92	.19	230	25.75 s	-6.54
Soluble Potash			<u>Flame (Citrate)</u>			<u>Soluble Potash</u>			090	29.85	.07	330	25.00 s	-7.76
<u>ICP (Oxalate)</u>			095	30.83	1.72				254	29.82	.04	455	23.13 s	-10.76
157	33.50 S	3.30	456	30.56	.92	428	33.86 s	6.55	211	29.82	.02	Meth: 060.00 PCT		
292	32.72 S	2.60	029	30.29	.34	157	33.50 s	6.00	Avg	29.81		Free Water		
451	31.98	1.86	131	30.36	.26	255	33.16 s	5.39	055	29.78	-.05	<u>Vacuum Oven</u>		
324	30.70	.72	024	30.30	.17	292	32.72 s	4.79	397	29.75	-.16	363	2.02	1.53
422	30.45	.43	Avg	30.28		451	31.98 A	3.51	231	29.70	-.20	Avg	1.47	
Avg	29.99		037	30.22	-.18	042	30.67 R	2.64	136	29.70	-.24	096	1.46	-.10
055	29.51	-.46	041	30.23	-.37	095	30.83	1.65	035	29.70	-.31	456	1.24	-.62
390	29.20	-.74	057	30.02	-.88	009	30.76	1.53	402	29.64	-.32	007	1.15	-.87
354	29.13	-.81	035	29.70	-1.87	324	30.70	1.52	043	29.61	-.33	Meth: 060.10 PCT		
419	28.95	-.97	030	27.08 s	-9.95	309	30.73	1.48	300	29.60	-.39	Free Water		
						027	30.60	1.34	040	29.56	-.40	<u>Vacuum Desiccate</u>		
Meth: 050.51 PCT			Meth: 050.99 PCT						057	29.72	-.42	419	0.95	.71
Soluble Potash			Soluble Potash						055	29.51	-.53	Meth: 060.99 PCT		
<u>ICP (Citrate)</u>			<u>Other</u>						432	29.68	-.56	Free Water		
377	30.34	1.19	255	33.16 S	6.19				009	29.44	-.60	<u>Other</u>		
393	30.17	.69	042	30.67 R	3.04				325	29.45	-.62	443 6.58 .71		
043	29.94	.47	027	30.60	1.65				131	29.69	-.63			
291	30.00	.27	260	30.41	1.29				443	29.54	-.82			
Avg	29.93		177	30.34	1.12				232	29.38	-.82			
									072	29.30	-.82			

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 060.XX PCT</u>			<u>Meth: 101.XX PCT</u>			<u>Meth: 121.XX PCT</u>			<u>Meth: 144.99 PCT</u>			<u>Meth: 144.XX PCT</u>		
<u>Free Water</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Sulfur</u>		
443	6.58	2.11	009	0.21	.25	009	0.42 R	1.14	028	0.56	.35	028	0.56	.35
Avg	2.23		035	0.20	.09	363	0.43	.97	419	0.56	.35	419	0.56	.35
363	2.02	-.10	Avg	0.20		131	0.42	.70	131	1.24 s	18.18	363	0.55	.26
096	1.46	-.38	057	0.20	-.32	102	0.42	.65	169	0.65	2.93	324	0.55	.19
456	1.24	-.48	102	0.20	-.36	390	0.42	.45	422	0.58	.99	095	0.55	.17
007	1.15	-.53	390	0.20	-.61	096	0.42	.39	102	0.57	.65	096	0.55	.15
419	0.95	-.62	247	0.20	-.71	Avg	0.41		368	0.54	.45	Avg	0.54	
			291	0.19	-.91	035	0.41	-.33	137	0.56	.43	247	0.54	-.11
			105	0.19	-1.28	057	0.40	-.59	037	0.56	.42	231	0.54	-.11
<u>Meth: 101.00 PCT</u>			<u>Meth: 121.00 PCT</u>			<u>Meth: 144.01 PCT</u>			<u>Meth: 144.XX PCT</u>			<u>Meth: 151.00 PPM</u>		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Arsenic</u>		
<u>AA</u>			<u>AA</u>			<u>Gravimetric</u>			<u>Atomic Absorption</u>					
105	0.19	.71	105	0.33 S	.00	419	1.63 s	44.59	232	3.90 s	95.80	136	7.80	.00
						230	0.83 S	11.65	360	2.98 s	69.86			
<u>Meth: 101.30 PCT</u>			<u>Meth: 121.30 PCT</u>			<u>Meth: 144.02 PCT</u>			<u>Meth: 144.XX PCT</u>			<u>Meth: 151.30 PPM</u>		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Arsenic</u>		
<u>ICP</u>			<u>ICP</u>			<u>Gravimetric</u>			<u>Atomic Absorption</u>					
232	3.90 s	282.79	232	1.54 s	66.06	419	1.63 s	44.59	232	3.90 s	95.80	390	12.20 s	2.44
422	0.73 s	40.22	247	0.43	1.14	057	0.58	1.40	360	2.98 s	69.86	368	12.00 R	1.87
096	0.24	2.32	009	0.42 R	1.14	029	0.56	.52	419	1.63 s	31.01	009	10.10	1.10
363	0.21	.80	363	0.43	.97	028	0.56	.37	131	1.24 s	19.74	037	9.08	.74
131	0.21	.70	131	0.42	.70	324	0.55	.16	230	0.83 s	8.17	102	7.72	.25
009	0.21	.16	102	0.42	.65	095	0.55	.11	169	0.65	3.17	Avg	7.04	
Avg	0.21		390	0.42	.45	Avg	0.55		057	0.58	1.07	247	6.64	-.14
035	0.20	-.11	096	0.42	.39	296	0.53	-.95	422	0.58	1.07			
057	0.20	-.45	Avg	0.41		363	0.51	-1.79	102	0.57	.70			
102	0.20	-.51	035	0.41	-.33	105	0.49 R	-3.14	029	0.56	.46			
390	0.20	-.76	057	0.40	-.59				137	0.56	.46			
247	0.20	-.86	354	0.40	-.64	<u>Meth: 144.99 PCT</u>			<u>Meth: 144.XX PCT</u>					
291	0.19	-1.08	422	0.40	-.85	<u>Sulfur</u>			<u>Sulfur</u>					
354	0.00 S	-15.51	291	0.37	-2.32	<u>Gravimetric</u>			<u>Atomic Absorption</u>					
						<u>Other</u>								
<u>Meth: 101.XX PCT</u>			<u>Meth: 121.XX PCT</u>			<u>Meth: 144.99 PCT</u>			<u>Meth: 144.XX PCT</u>					
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Sulfur</u>					
232	3.90 s	270.69	232	1.54 s	66.06	292	0.50	.71	232	3.90 s	88.15			
422	0.73 s	38.60	247	0.43	1.14				057	0.58	1.07			
096	0.24	2.35							422	0.58	1.07			
363	0.21	.88							102	0.57	.70			
131	0.21	.76							029	0.56	.46			

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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>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 151.30 PPM			Meth: 181.00 PPM			Meth: 190.00 PCT			Meth: 191.30 PPM			Meth: 202.30 PPM		
Arsenic			Cadmium			Water Soluble Chlori			Chromium			Acid Soluble Cobalt		
<u>ICP</u>			<u>Atomic Absorption</u>			<u>Titrimetric</u>			<u>ICP</u>			<u>ICP</u>		
230 6.82 -.42			136 1.95 -.87			422 24.08 1.16			037 57.55 .94			390 2.82 1.00		
393 1.86 -1.87						105 23.88 .86			009 54.70 .66			009 2.75 .93		
			Meth: 181.30 PPM			029 23.77 .67			368 54.10 .59			102 2.53 .70		
Meth: 151.99 PPM			Cadmium			057 23.36 .12			419 52.50 .43			230 2.21 R .70		
Arsenic			<u>ICP</u>			028 23.37 .10			096 52.00 .43			035 2.16 .37		
<u>Other</u>			393 3.71 s 13.55			Avg 23.33			035 52.15 .40			057 2.17 .36		
231 8.50 .71			368 1.95 1.27			043 22.50 -1.28			247 52.00 .38			419 2.00 .18		
			035 1.97 1.24			102 22.35 -1.52			102 50.83 .26			Avg 1.82		
			009 1.95 .72						Avg 48.21			232 1.76 -.12		
Meth: 151.XX PPM			Avg 1.87			Meth: 190.99 PCT			027 47.97 -.02			247 0.23 -1.59		
<u>Arsenic</u>			102 1.82 -.31			Water Soluble Chlori			230 44.20 R -.85			422 0.00 -1.82		
390 12.20 s 2.54			419 1.80 -.48			<u>Other</u>			393 30.83 -1.74					
368 12.00 R 1.89			390 1.71 -1.23			397 24.66 1.59			232 25.70 -2.25			Meth: 202.99 PPM		
009 10.10 1.06			230 1.34 s -4.07			460 23.00 .20						Acid Soluble Cobalt		
037 9.08 .66						137 22.94 .13			Meth: 191.99 PPM			<u>Other</u>		
231 8.50 .44			Meth: 181.99 PPM			Avg 22.78			Chromium			231 2.84 .71		
136 7.80 .16			Cadmium			368 21.87 -.79			<u>Other</u>					
102 7.72 .14			<u>Other</u>			419 21.45 -1.13			231 61.61 .71			Meth: 202.XX PPM		
Avg 7.39			231 1.79 .71									<u>Acid Soluble Cobalt</u>		
247 6.64 -.29						Meth: 190.XX PCT			Meth: 191.XX PPM			231 2.84 .91		
230 6.82 R -.50			Meth: 181.XX PPM			<u>Water Soluble Chlori</u>			<u>Chromium</u>			390 2.82 .91		
393 1.86 -2.15			<u>Cadmium</u>			397 24.66 1.68			231 61.61 1.20			009 2.75 .83		
			393 3.71 s 5.09			422 24.08 1.06			037 57.55 .81			230 2.21 R .65		
Meth: 165.99 PCT			363 2.75 2.39			105 23.88 .85			009 54.70 .53			102 2.53 .60		
Acid Soluble Boron			368 1.95 .44			029 23.77 .72			368 54.10 .47			035 2.16 .28		
<u>Other</u>			035 1.97 .42			028 23.37 .30			096 52.00 .32			057 2.17 .27		
354 0.038 1.45			136 1.95 .20			057 23.36 .29			419 52.50 .31			419 2.00 .08		
009 0.025 .60			009 1.95 .20			Avg 23.10			035 52.15 .28			Avg 1.92		
Avg 0.016			Avg 1.90			460 23.00 -.15			247 52.00 .26			232 1.76 -.19		
422 0.015 -.35			102 1.82 -.22			137 22.94 -.17			102 50.83 .15			247 0.23 -1.70		
363 0.003 -.89			419 1.80 -.29			043 22.50 -.65			Avg 49.33			422 0.00 -1.92		
232 0.001 -1.06			231 1.79 -.32			102 22.35 -.82			027 47.97 -.13					
			390 1.71 -.57			368 21.87 -1.34			230 44.20 R -.88			Meth: 221.00 PCT		
Meth: 181.00 PPM			230 1.34 -1.66			419 21.45 -1.79			393 30.83 -1.80			Acid Soluble Copper		
Cadmium									232 25.70 -2.30			<u>Atomic Absorption</u>		
<u>Atomic Absorption</u>												043 0.0004 .00		
363 2.75 .86												428 0.1265 S .00		
Avg 2.35														

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
Meth: 221.00 PCT			Meth: 221.XX PCT			Meth: 241.XX PCT			Meth: 251.XX PPM			Meth: 261.XX PCT				
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>				
Avg	0.0004		057	0.0001	-.43	247	0.69	-.28	102	0.67	-.50	Avg	0.013			
			230	0.0001	-.44	105	0.69	-.36	368	0.22	-.79	057	0.013	-.13		
			368	0.0001	-.45	057	0.69	-.66				354	0.012	-.63		
						009	0.67	-.78	Meth: 261.00 PCT			363	0.012	-.88		
Meth: 221.30 PCT			Meth: 241.00 PCT			Meth: 251.00 PPM			Meth: 261.30 PCT			Meth: 281.30 PPM				
<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Mercury</u>				
<u>ICP</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>ICP</u>			<u>ICP</u>				
324	0.0065	2.71	363	0.70	.63	136	14.50 S	.00	422	0.020 s	5.39	393	0.00 X	.00		
354	0.0045 R	1.73	Avg	0.70		Meth: 251.30 PPM			247	0.014	1.18	Meth: 289.30 PPM				
422	0.0025 R	.76	105	0.69	-1.05	<u>Lead</u>			009	0.014	.68	<u>Molybdenum</u>				
232	0.0012	.08				<u>ICP</u>			035	0.013	.46	<u>ICP</u>				
Avg	0.0010		Meth: 241.30 PCT			393			4.56	1.86	131	0.013 R	.40	255	3.94 s	4.80
402	0.0007	-.19	<u>Acid Soluble Iron</u>			230			2.51 R	.86	102	0.013	.10	230	4.10 R	1.13
095	0.0003	-.37	<u>ICP</u>			Avg			1.47		Avg	0.013		057	4.48	.94
419	0.0003	-.37	354	0.75	1.69	390			1.11	-.22	057	0.013	-.17	368	4.55	.92
433	0.0001	-.45	035	0.75	1.67	419			0.80	-.42	354	0.012	-.65	390	4.53	.91
057	0.0001	-.46	422	0.71	.77	102			0.67	-.49	419	0.010	-2.16	035	4.53	.90
230	0.0001	-.47	131	0.70	.30	368			0.22	-.75	232	0.003 s	-7.29	419	4.40	.74
368	0.0001	-.48	390	0.71	.26	Meth: 251.99 PPM			Meth: 261.99 PCT			433	4.15	.45		
			096	0.71	.24	<u>Lead</u>			<u>Acid Soluble Manganese</u>			Avg				
Meth: 221.99 PCT			Meth: 241.99 PCT			Meth: 251.99 PPM			Meth: 261.99 PCT			Avg				
<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Other</u>			<u>Other</u>			009				
231	0.0001	-.71	247	0.69	-.26	231			1.14	.71	363	0.012	.71	393	3.41	-.47
			057	0.69	-.61	Meth: 251.XX PPM			Meth: 261.XX PCT			232	2.92	-1.08		
			009	0.67	-.73	<u>Lead</u>			<u>Acid Soluble Manganese</u>			247	2.66	-1.39		
			291	0.67	-1.02	136			14.50 s	8.71	102	0.013	.48	102	2.36	-1.74
			102	0.65	-1.43	393			4.56	2.09	Meth: 289.99 PPM					
			232	0.05 s	-19.30	230			2.51 R	.98	<u>Molybdenum</u>					
			Meth: 241.XX PCT			Avg			1.41		<u>Other</u>					
			<u>Acid Soluble Iron</u>			231			1.14	-.19	231					
			354	0.75	1.84	390			0.71	.29	096					
			035	0.75	1.82	Avg			1.41		035					
			422	0.71	.83	231			1.14	-.19	035					
			131	0.70	.33	390			1.11	-.20	131					
			390	0.71	.29	419			0.80	-.43	102					
			096	0.71	.26	Meth: 251.99 PPM			Meth: 261.99 PCT			Meth: 289.99 PPM				
			363	0.70	.17	<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>				
			Avg	0.70		136			14.50 s	8.71	231					
						393			4.56	2.09	009					
						230			2.51 R	.98	096					
						Avg			1.41		035					
						231			1.14	-.19	131					
						390			1.11	-.20	102					
						419			0.80	-.43	102					

\* 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: 289.XX PPM			Meth: 291.99 PPM			Meth: 301.XX PPM			Meth: 321.30 PCT			Meth: 325.30 PCT		
<u>Molybdenum</u>			<u>Nickel</u>			<u>Selenium</u>			<u>Acid Soluble Zinc</u>			<u>Water Soluble Zinc</u>		
255	3.94 s	2.85	Other			231	2.92	-.11	ICP			393	0.049	.87
231	5.50	1.34	231	9.47	.71	368	1.05	-.73	009	0.002	-.27	Avg	0.025	
230	4.10 R	.71				232	1.02	-.74	354	0.003	-.36	247	0.001	-.87
057	4.48	.66	Meth: 291.XX PPM						057	0.002	-.38			
368	4.55	.66	<u>Nickel</u>			Meth: 311.99 PCT			027	0.002	-.44			
390	4.53	.65	232	13.90 s	5.09	<u>Sodium</u>			419	0.003 R	-.51			
035	4.53	.65	390	10.66 s	3.70	<u>Other</u>			102	0.002	-.51			
419	4.40	.55	035	10.57 R	2.60	102	0.72	.71	230	0.002	-.59			
433	4.15	.38	096	9.50	1.64	422	0.72	.69	363	0.002	-.59			
009	3.75	.09	037	9.90	1.12	363	0.72	.69						
Avg	3.63		231	9.47	.69	009	0.69	.32	Meth: 321.XX PCT					
393	3.41	-.16	419	9.35	.62	Avg	0.66		<u>Acid Soluble Zinc</u>					
232	2.92	-.53	009	9.20	.43	057	0.65	-.16	428	0.240 s	127.78			
247	2.66	-.71	Avg	8.77		035	0.65	-.18	422	0.020 s	9.23			
102	2.36	-.92	368	8.70	-.07	232	0.46	-2.21	368	0.010 R	3.79			
422	0.00	-2.62	102	8.51	-.26				232	0.010	3.70			
			393	8.38	-.42	Meth: 321.00 PCT			255	0.006 R	1.69			
			247	7.81	-.95	<u>Acid Soluble Zinc</u>			419	0.003 R	.54			
Meth: 291.30 PPM			027	6.92	-1.83	<u>Atomic Absorption</u>			037	0.003	.16			
<u>Nickel</u>			230	7.78 R	-1.86	428	0.240	S2377.23	433	0.003	.13			
<u>ICP</u>						043	0.002	1.12	Avg	0.003				
232	13.90 S	4.63	Meth: 301.30 PPM			Avg	0.002		402	0.003	-.03			
390	10.66 S	3.34	<u>Selenium</u>			105	0.002	-.50	324	0.003	-.04			
035	10.57 R	2.39	<u>ICP</u>			Meth: 321.30 PCT			095	0.003	-.08			
096	9.50	1.52	393	7.72	1.29	<u>Acid Soluble Zinc</u>			096	0.003	-.18			
037	9.90	1.13	Avg	3.26		<u>ICP</u>			009	0.002	-.22			
419	9.35	.69	368	1.05	-.64	422	0.020 s	8.69	057	0.002	-.34			
009	9.20	.53	232	1.02	-.65	368	0.010 R	3.53	354	0.003	-.34			
368	8.70	.09				232	0.010	3.45	027	0.002	-.40			
Avg	8.60		Meth: 301.99 PPM			255	0.006 R	1.54	043	0.002	-.43			
102	8.51	-.09	<u>Selenium</u>			037	0.003	.10	105	0.002	-.48			
393	8.38	-.23	<u>Other</u>			433	0.003	.10	102	0.002	-.48			
247	7.81	-.69	231	2.92	.71	Avg	0.003		363	0.002	-.56			
027	6.92	-1.47				324	0.003	-.08	230	0.002	-.56			
230	7.78	-1.57	Meth: 301.XX PPM			402	0.003	-.08						
			<u>Selenium</u>			095	0.003	-.13						
			393	7.72	1.55	096	0.003	-.24						
			Avg	3.18										

\* 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	5	0.00	1.04	0.20	060.XX	6	0.00	1.05	0.01
001.99	12	0.00	1.02	0.11	101.30	13	23.65	78.83	0.49
001.XX	17	0.00	1.01	0.14	101.XX	14	21.04	72.74	0.46
002.99	3	0.00	0.92	0.52	121.30	13	5.14	18.33	0.33
002.XX	3	0.00	0.92	0.52	121.XX	14	4.44	17.80	0.32
009.10	5	0.00	1.03	0.22	144.01	10	5.39	14.31	0.77
009.XX	5	0.00	1.03	0.22	144.99	22	7.56	22.86	1.31
010.11	11	- 0.49	1.88	0.30	144.XX	30	6.60	21.50	3.16
010.12	2	0.00	1.20	0.18	151.30	8	0.46	1.21	0.61
010.60	49	- 0.04	1.33	0.64	151.XX	10	0.34	1.16	0.59
010.99	4	- 0.50	0.94	1.22	165.99	5	0.000	1.040	0.184
010.XX	64	- 0.05	1.23	0.69	165.XX	5	0.000	1.040	0.184
020.10	5	0.00	0.90	0.50	181.00	2	0.00	1.22	0.09
020.20	19	- 0.38	1.86	0.48	181.30	8	1.21	5.21	0.71
020.40	9	- 0.14	1.01	0.96	181.XX	11	0.46	1.80	0.24
020.50	11	0.00	0.96	0.34	190.00	7	0.00	1.04	0.08
020.99	3	0.00	0.00	0.00	190.99	5	0.00	1.06	0.08
020.XX	46	0.11	2.91	0.47	190.XX	12	0.00	1.02	0.08
030.XX	4	0.00	1.06	0.17	191.30	12	- 0.03	0.98	0.23
040.99	2	0.00	0.10	0.86	191.XX	13	- 0.04	0.98	0.22
040.XX	5	0.00	1.06	0.05	202.30	10	0.04	0.98	0.20
041.10	14	0.04	0.96	0.37	202.XX	11	0.03	0.97	0.19
041.20	4	0.00	1.06	0.19	221.00	2	0.0000	0.0000	0.0000
041.40	5	0.00	1.00	0.33	221.30	11	0.2210	1.0676	0.1082
041.50	10	0.00	1.02	0.13	221.XX	14	5.0583	18.146	1.8407
041.60	10	- 10.60	33.54	0.60	241.00	2	0.00	0.86	0.62
041.99	2	- 36.34	51.39	35.56	241.30	12	- 1.61	5.64	0.40
041.XX	36	- 2.81	13.57	2.27	241.XX	14	- 1.49	5.66	0.41
048.20	3	0.00	1.12	0.07	251.30	6	0.10	0.98	0.25
048.XX	3	0.00	1.12	0.07	251.XX	8	1.18	3.18	0.26
050.00	14	- 0.58	2.35	0.29	261.30	11	- 0.143	2.991	0.090
050.30	8	0.65	2.08	0.22	261.XX	13	- 0.288	2.948	0.143
050.50	9	0.65	1.57	0.27	289.30	13	0.04	0.93	1.37
050.51	7	- 0.28	1.14	0.97	289.99	2	0.00	1.22	0.01
050.60	5	0.00	1.02	0.26	289.XX	15	0.04	0.95	0.76
050.61	10	- 0.99	3.28	0.30	291.30	13	0.62	1.53	1.07
050.99	19	- 0.90	3.89	0.66	291.XX	14	0.55	1.66	1.17
050.XX	67	- 0.08	2.61	0.47	301.30	3	0.00	1.12	0.06
060.00	4	0.00	1.08	0.07	301.XX	4	0.00	1.08	0.07

## 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
311.99	7	0.00	1.03	0.11					
311.XX	7	0.00	1.03	0.11					
321.00	3	792.00	1371.7	44.171					
321.30	18	0.756	2.337	0.233					
321.XX	21	6.777	27.806	0.929					
325.30	2	0.000	1.224	0.025					