

- Pass 1 Results for 84 Labs - - Pass 2 Results for 83 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	1	0.11	0.00	0.00	1	0.11	0.00	0.00
Ammoniacal Nitrogen, Other		001.99	3	0.10	0.03	0.01	3	0.10	0.03	0.01
Method Group 001.XX PCT			4	0.11	0.02	0.01	4	0.11	0.02	0.01
Nitrate Nitrogen, Robertson	930.01	002.10	1	4.15	0.06	0.09	1	4.15	0.06	0.09
Nitrate Nitrogen, Other		002.99	2	3.11	3.59	0.00	2	3.11	3.59	0.00
Method Group 002.XX PCT			3	3.46	2.83	0.03	3	3.46	2.83	0.03
Nitrogen From Urea, Urease (as N)	959.03	005.00	3	4.59	1.02	0.09	3	4.59	1.02	0.09
Nitrogen From Urea, Other		005.99	3	4.68	0.58	0.08	3	4.68	0.58	0.08
Method Group 005.XX PCT			6	4.64	0.79	0.08	6	4.64	0.79	0.08
Ammon & Nitrate N, Other		009.99	1	6.17	0.01	0.01	1	6.17	0.01	0.01
Total Nitrogen, Modified Comprehensive	978.02	010.11	9	6.23	0.13	0.06	8	6.23	0.12	0.03
Total Nitrogen, Salicylic	955.04D	010.12	1	6.29	0.02	0.03	1	6.29	0.02	0.03
Total Nitrogen, Combustion		010.60	56	6.22	0.16	0.09	51	6.23	0.14	0.06
Total Nitrogen, Other		010.99	2	6.22	0.04	0.02	2	6.22	0.04	0.02
Method Group 010.XX PCT			68	6.23	0.15	0.08	63	6.23	0.14	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	6	4.18	0.07	0.02	6	4.18	0.07	0.02
Total Phosphate, Spectrometric	958.01	020.20	10	4.20	0.22	0.10	9	4.21	0.20	0.05
Total Phosphate, Automated	978.01	020.40	6	4.05	0.08	0.07	6	4.05	0.08	0.07
Total Phosphate, ICP		020.50	14	4.03	0.21	0.05	13	4.05	0.21	0.04
Total Phosphate, Other		020.99	4	4.20	0.15	0.05	3	4.26	0.08	0.00
Method Group 020.XX PCT			41	4.11	0.19	0.06	38	4.11	0.19	0.04
Insoluble Phosphate, ICP		030.50	1	0.00	0.00	0.00	1	0.00	0.00	0.00
InDir Available Phosphate, ICP		040.50	1	3.95	0.09	0.12	1	3.95	0.09	0.12
InDir Available Phosphate, Other		040.99	1	4.10	0.01	0.01	1	4.10	0.01	0.01
Method Group 040.XX PCT			2	4.02	0.10	0.07	2	4.02	0.10	0.07
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	12	4.06	0.10	0.07	11	4.05	0.08	0.05
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	4.09	0.04	0.06	1	4.09	0.04	0.06
Dir Available Phosphate, Automated	978.01	041.40	4	4.02	0.23	0.07	4	4.02	0.23	0.07
Dir Available Phosphate, ICP		041.50	9	4.11	0.14	0.09	8	4.10	0.14	0.06
Dir Available Phosphate, EDTA Extract	993.01	041.60	10	4.01	0.19	0.05	9	3.99	0.19	0.04
Dir Available Phosphate, Other		041.99	1	4.12	0.05	0.07	1	4.12	0.05	0.07
Method Group 041.XX PCT			38	4.07	0.17	0.07	36	4.06	0.16	0.06
Water Soluble Phosphate, ICP		048.50	1	3.92	0.03	0.04	1	3.92	0.03	0.04
Soluble Potash, STPB Oxalate	958.02	050.00	11	5.62	0.20	0.08	11	5.62	0.20	0.08
Soluble Potash, AA (Oxalate)		050.30	9	5.52	0.18	0.11	9	5.52	0.18	0.11
Soluble Potash, AA (Citrate)		050.31	2	5.31	0.05	0.08	2	5.31	0.05	0.08
Soluble Potash, ICP (Oxalate)		050.50	8	5.66	0.19	0.09	8	5.66	0.19	0.09
Soluble Potash, ICP (Citrate)		050.51	10	5.53	0.21	0.06	10	5.53	0.21	0.06
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	2	5.49	0.15	0.15	2	5.49	0.15	0.15

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Soluble Potash, Flame (Citrate) .....	983.02(b)	050.61	8	5.60	0.11	0.05	7	5.59	0.10	0.02
Soluble Potash, Other .....		050.99	21	5.51	0.24	0.12	19	5.51	0.23	0.08
Method Group 050.XX PCT			71	5.55	0.21	0.09	69	5.55	0.20	0.08
Acid Soluble Calcium, ICP .....		101.30	4	0.16	0.13	0.07	4	0.16	0.13	0.07
Acid Soluble Magnesium, AA .....	984.01	121.00	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Acid Soluble Magnesium, ICP .....		121.30	4	0.03	0.03	0.01	4	0.03	0.03	0.01
Method Group 121.XX PCT			5	0.02	0.03	0.01	5	0.02	0.03	0.01
Sulfur, Other .....		144.99	5	0.01	0.01	0.01	4	0.02	0.00	0.00
Arsenic, ICP .....		151.30	4	0.19	0.21	0.02	4	0.19	0.21	0.02
Acid Soluble Boron, Spectrometric .....	982.01	165.00	7	0.015	0.003	0.001	6	0.015	0.002	0.000
Acid Soluble Boron, Other .....		165.99	23	0.017	0.002	0.001	22	0.017	0.002	0.001
Method Group 165.XX PCT			30	0.016	0.003	0.001	28	0.016	0.002	0.001
Water Soluble Boron, Other .....		171.99	1	0.016	0.000	0.000	1	0.016	0.000	0.000
Cadmium, ICP .....		181.30	4	0.10	0.13	0.02	4	0.10	0.13	0.02
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	0.08	0.01	0.01	1	0.08	0.01	0.01
Chromium, ICP .....		191.30	6	0.59	0.50	0.11	6	0.59	0.50	0.11
Chromium, Other .....		191.99	1	0.62	0.04	0.05	1	0.62	0.04	0.05
Method Group 191.XX PPM			7	0.59	0.46	0.10	6	0.56	0.49	0.06
Acid Soluble Cobalt, ICP .....	965.11	202.30	4	0.06	0.09	0.02	4	0.06	0.09	0.02
Acid Soluble Copper, Atomic Absorption	975.01	221.00	3	0.0260	0.0036	0.0007	3	0.0260	0.0036	0.0007
Acid Soluble Copper, ICP .....		221.30	32	0.0267	0.0028	0.0010	31	0.0268	0.0027	0.0007
Acid Soluble Copper, Other .....		221.99	1	0.0300	0.0000	0.0000	1	0.0300	0.0000	0.0000
Method Group 221.XX PCT			36	0.0268	0.0029	0.0010	35	0.0268	0.0028	0.0007
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	4	0.04	0.00	0.00	4	0.04	0.00	0.00
Acid Soluble Iron, ICP .....		241.30	29	0.04	0.00	0.00	28	0.04	0.00	0.00
Acid Soluble Iron, Other .....		241.99	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Method Group 241.XX PCT			34	0.04	0.00	0.00	33	0.04	0.00	0.00
Lead, Atomic Absorption .....		251.00	1	2.00	0.00	0.00	1	2.00	0.00	0.00
Lead, ICP .....		251.30	5	0.34	0.34	0.11	5	0.34	0.34	0.11
Method Group 251.XX PPM			6	0.62	0.72	0.09	6	0.62	0.72	0.09
Acid Soluble Manganese, AA .....	972.02a	261.00	5	0.038	0.003	0.001	5	0.038	0.003	0.001
Acid Soluble Manganese, ICP .....	972.02a	261.30	28	0.034	0.003	0.002	25	0.034	0.003	0.001
Acid Soluble Manganese, ICP .....	972.02b	261.31	1	0.036	0.000	0.000	1	0.036	0.000	0.000
Acid Soluble Manganese, Other .....		261.99	5	0.036	0.003	0.001	5	0.036	0.003	0.001
Method Group 261.XX PCT			39	0.035	0.003	0.002	36	0.035	0.003	0.001
Mercury, ICP .....		281.30	2	0.23	0.26	0.04	2	0.23	0.26	0.04
Molybdenum, ICP .....		289.30	15	7.54	1.04	0.33	14	7.50	1.03	0.21
Molybdenum, Other .....		289.99	2	7.65	0.41	0.08	2	7.65	0.41	0.08
Method Group 289.XX PPM			17	7.55	0.98	0.30	16	7.52	0.97	0.20

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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, ICP .....		291.30	5	0.21	0.24	0.03	4	0.21	0.27	0.01
Nickel, Other .....		291.99	1	0.22	0.01	0.02	1	0.22	0.01	0.02
Method Group 291.XX PPM			6	0.21	0.22	0.03	5	0.21	0.24	0.01
Selenium, ICP .....		301.30	3	0.16	0.25	0.02	3	0.16	0.25	0.02
Sodium, Flame Photometric .....	974.01	311.30	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Sodium, Other .....		311.99	3	0.12	0.15	0.00	3	0.12	0.15	0.00
Method Group 311.XX PCT			4	0.10	0.13	0.00	4	0.10	0.13	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	5	0.033	0.004	0.000	5	0.033	0.004	0.000
Acid Soluble Zinc, ICP .....		321.30	33	0.033	0.003	0.001	31	0.033	0.002	0.001
Acid Soluble Zinc, Other .....		321.99	2	0.031	0.001	0.000	2	0.031	0.001	0.000
Method Group 321.XX PCT			40	0.033	0.003	0.001	35	0.033	0.003	0.000
Water Soluble Zinc, ICP .....		325.30	1	0.035	0.000	0.000	1	0.035	0.000	0.000
Water Soluble Zinc, Other .....		325.99	1	0.031	0.001	0.002	1	0.031	0.001	0.002
Method Group 325.XX PCT			2	0.033	0.002	0.001	2	0.033	0.002	0.001

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 001.10 PCT</u>			<u>Meth: 005.00 PCT</u>			<u>Meth: 010.11 PCT</u>			<u>Meth: 010.60 PCT</u>			<u>Meth: 010.60 PCT</u>		
Ammoniacal Nitrogen			Nitrogen From Urea			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			<u>Urease (as N)</u>			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Combustion</u>		
232	0.11	.00	232	5.90	1.28	Avg	6.23		040	6.30	.49	307	5.92	-2.23
			Avg	4.59		470	6.21	-.21	324	6.30	.46	177	5.90	-2.36
<u>Meth: 001.99 PCT</u>			368 4.06 -.53			260 6.13 -.89			009 6.25 .46			472 5.53 s -4.97		
Ammoniacal Nitrogen			136 3.82 -.76			211 6.04 -1.54			041 6.27 .45			475 5.12 s -7.86		
<u>Other</u>			<u>Meth: 005.99 PCT</u>			<u>Meth: 010.12 PCT</u>			354 6.29 .45			<u>Meth: 010.99 PCT</u>		
096	0.13	.79	Nitrogen From Urea			Total Nitrogen			231 6.29 .39			Total Nitrogen		
475	0.12	.68	<u>Other</u>			<u>Salicylic</u>			086 6.27 .32			<u>Other</u>		
Avg	0.10		309	5.43	1.29	254	6.66 S	19.82	028	6.25	.25	476	6.26	.83
027	0.07	-1.19	Avg	4.68		Avg	6.29		055	6.24	.16	Avg	6.22	
<u>Meth: 001.XX PCT</u>			475 4.32 -.61			185 6.29 -.71			049 6.24 .10			030 6.19 -.90		
Ammoniacal Nitrogen			029 4.28 -.69			455 5.55 S -34.73			035 6.22 -.22			<u>Meth: 010.XX PCT</u>		
096	0.13	.86	<u>Meth: 005.XX PCT</u>			<u>Meth: 010.60 PCT</u>			393 6.20 -.27			Total Nitrogen		
475	0.12	.75	Nitrogen From Urea			Total Nitrogen			073 6.19 -.32			043 6.81 s 4.27		
232	0.11	.21	232	5.90	1.59	<u>Combustion</u>			106 6.18 -.40			254 6.66 s 3.44		
Avg	0.11		309	5.43	1.00	043	6.81 s	4.10	405	6.17	-.42	262	6.42 s	3.05
027	0.07	-1.46	Avg	4.64		262	6.42 s	2.93	034	6.17	-.44	131	6.54 s	2.83
<u>Meth: 002.10 PCT</u>			475 4.32 -.39			131 6.54 s 2.72			162 6.16 -.48			368 6.45 R 2.51		
Nitrate Nitrogen			029 4.28 -.46			368 6.45 R 2.41			428 6.17 -.51			230 6.55 2.48		
<u>Robertson</u>			368 4.06 -.73			230 6.55 2.38			102 6.15 -.56			095 6.51 2.05		
022	4.15	.71	136 3.82 -1.03			095 6.51 1.97			275 6.15 -.57			072 6.50 1.96		
<u>Meth: 002.99 PCT</u>			<u>Meth: 009.99 PCT</u>			072 6.50 1.88			390 6.17 -.65			309 6.48 1.83		
Nitrate Nitrogen			Ammon & Nitrate N			422 6.45 1.56			022 6.14 -.68			422 6.45 1.62		
<u>Other</u>			<u>Other</u>			023 6.23 R 1.34			233 6.14 -.69			325 6.38 1.09		
137	6.22	.87	027	6.17	.71	325 6.38 1.06			450 6.20 -.73			351 6.33 1.08		
Avg	3.11		<u>Meth: 010.11 PCT</u>			351 6.33 1.04			330 6.20 -.73			360 6.37 1.02		
027	0.00	-.87	Total Nitrogen			360 6.37 .99			247 6.11 -.88			114 6.25 1.00		
<u>Meth: 002.XX PCT</u>			Modified Comprehensi			007 6.35 .92			255 6.11 -.94			007 6.35 .95		
Nitrate Nitrogen			309 6.48 2.00			389 6.36 .88			234 6.10 -.95			389 6.36 .91		
137	6.22	.98	114	6.25 R	1.09	096 6.35 .85			027 6.08 -1.09			096 6.35 .88		
022	4.15	.24	371	6.28	.41	296 6.34 .81			291 6.06 -1.20			296 6.34 .84		
Avg	3.46		090	6.24	.25	136 6.34 .78			377 6.02 -1.54			136 6.34 .81		
027	0.00	-1.22	456	6.24	.25	292 6.34 .74			232 6.01 -1.59			292 6.34 .77		
<u>Meth: 002.99 PCT</u>			105 6.24 .07			426 6.27 .63			451 6.05 R -1.69			426 6.27 .65		
Nitrate Nitrogen			029 6.26 .62			037 6.32 .62			157 6.03 R -1.94			029 6.26 .65		
<u>Other</u>			029 6.26 .62			042 6.06 R -2.00			042 6.06 R -2.00			037 6.32 .64		

\* 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: 020.20 PCT			Meth: 020.99 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>		
040	6.30	.51	234	6.10	-1.00	<u>Spectrometric</u>			<u>Other</u>			234	4.07	-.39
009	6.25	.47	027	6.08	-1.14	405	4.10	-.59	137	4.35	1.16	095	4.04	-.43
324	6.30	.47	291	6.06	-1.26	234	4.07	-.77	Avg	4.26		309	4.03	-.46
041	6.27	.47	023	6.23 R	-1.39	309	4.03	-.92	476	4.26	-.11	247	4.03	-.52
354	6.29	.46	211	6.04	-1.40	450	4.02 R	-1.68	322	4.18	-1.07	042	4.10 R	-.58
185	6.29	.41	377	6.02	-1.61	428	2.04 s	-10.75	455	4.00 R	-3.69	455	4.00	-.80
231	6.29	.40	232	6.01	-1.66	Meth: 020.40 PCT			Meth: 020.XX PCT			096	3.95	-.86
371	6.28	.37	451	6.05 R	-1.77	<u>Total Phosphate</u>			<u>Total Phosphate</u>			255	3.95	-.90
086	6.27	.33	157	6.03 R	-2.03	<u>Automated</u>			035	14.75 s	55.68	451	3.93	-1.00
028	6.25	.26	042	6.06 R	-2.10	035	14.75 s	140.86	426	4.96 s	4.43	330	3.90	-1.13
090	6.24	.23	307	5.92	-2.33	042	4.10	1.61	471	4.68 X	2.96	157	3.93 R	-1.15
456	6.24	.23	177	5.90	-2.46	105	4.11	.84	432	4.45	1.79	450	4.02 R	-1.55
476	6.26	.21	455	5.55 s	-5.01	456	4.06	.22	292	4.40	1.49	307	3.79	-1.75
055	6.24	.16	472	5.53 s	-5.19	Avg	4.05		137	4.35	1.23	231	3.73	-2.02
049	6.24	.10	475	5.12 s	-8.21	095	4.04	-.25	422	4.33	1.14	477	3.69	-2.25
105	6.24	.07	Meth: 020.10 PCT			247	4.03	-.69	114	4.28	.84	428	2.04 s	-10.90
Avg	6.23		<u>Total Phosphate</u>			096	3.95	-1.27	476	4.26	.73	Meth: 030.50 PCT		
470	6.21	-.19	<u>Grav Quimociac</u>			Meth: 020.50 PCT			057	4.25	.72	<u>Insoluble Phosphate</u>		
035	6.22	-.23	114	4.28	1.40	<u>Total Phosphate</u>			324	4.22	.72	<u>ICP</u>		
393	6.20	-.28	057	4.25	1.11	<u>ICP</u>			049	4.18	.34	255	0.00	.00
073	6.19	-.34	049	4.18	.15	426	4.96 s	4.35	322	4.18	.34	Meth: 040.50 PCT		
030	6.19	-.35	Avg	4.18		432	4.45	1.95	231	4.17	.31	<u>InDir Available Phos</u>		
057	6.18	-.38	090	4.16	-.29	422	4.33	1.36	090	4.16	.24	<u>ICP</u>		
106	6.18	-.42	470	4.11	-1.02	393	4.15	.47	232	4.15	.22	255	3.95	.71
405	6.17	-.45	105	4.11	-1.09	478	4.14	.45	478	4.14	.21	Meth: 040.99 PCT		
034	6.17	-.46	157	3.93 s	-4.03	393	4.15	.16	393	4.15	.16	<u>InDir Available Phos</u>		
162	6.16	-.51	Meth: 020.20 PCT			478	4.14	.45	177	4.12	.01	<u>ICP</u>		
428	6.17	-.53	<u>Total Phosphate</u>			291	4.09	.21	Avg	4.11		Meth: 040.99 PCT		
102	6.15	-.59	<u>Spectrometric</u>			389	4.09	.21	470	4.11	-.03	<u>InDir Available Phos</u>		
275	6.15	-.60	471	4.68 X	2.30	368	4.09	.19	405	4.11	-.06	<u>Other</u>		
390	6.17	-.68	292	4.40	.92	390	4.08	.16	105	4.11	-.06	405	4.10	.71
022	6.14	-.71	324	4.22	.47	Avg	4.05		405	4.10	-.11	Meth: 040.XX PCT		
233	6.14	-.73	Avg	4.21		255	3.95	-.53	389	4.09	-.13	<u>InDir Available Phos</u>		
330	6.20	-.77	231	4.17	-.24	451	3.93	-.59	291	4.09	-.14	<u>ICP</u>		
450	6.20	-.77	232	4.15	-.30	330	3.90	-.69	105	4.11	-.14	405	4.10	.74
260	6.13	-.81	177	4.12	-.49	307	3.79 R	-1.27	368	4.09	-.15	Avg	4.02	
247	6.11	-.93	Meth: 020.20 PCT			231	3.73	-1.50	390	4.08	-.18	255	3.95	-.97
255	6.11	-.99	<u>Total Phosphate</u>			477	3.69	-1.72	456	4.06	-.29	Meth: 040.99 PCT		

\* 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: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 048.50 PCT			Meth: 050.31 PCT		
Dir Available Phosph			Dir Available Phosph			Dir Available Phosph			Water Soluble Phosph			Soluble Potash		
<u>Grav Quimociac</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>AA (Citrate)</u>		
254	4.47 s	5.35	354	4.17	.66	296	4.18	.92	393	3.92	.71	254	5.32	.51
055	4.22 R	3.18	377	4.18	.61	029	4.20	.83				Avg	5.31	
086	4.15	1.30	Avg	4.10		354	4.17	.74	Meth: 050.00 PCT			472	5.31	-1.11
072	4.14	1.22	475	4.09	-.08	377	4.18	.72	Soluble Potash			Meth: 050.50 PCT		
105	4.05	1.15	360	4.08	-.11	105	4.15	.58	<u>STPB Oxalate</u>			Soluble Potash		
040	4.10	.65	393	4.04	-.41	106	4.14	.57	471	6.37 S	3.63	<u>ICP (Oxalate)</u>		
185	4.08	.41	325	4.05	-.55	086	4.15	.56	114	6.05	2.12	422	6.04	2.00
136	4.08	.41	023	3.85	-1.83	072	4.14	.52	049	5.79	.81	324	5.73	.60
131	4.06	.33	Meth: 041.60 PCT			043	4.15	.52	470	5.76	.65	354	5.73	.44
Avg	4.05		Dir Available Phosph			105	4.12	.40	009	5.63	.22	106	5.69	.17
211	4.01	-.50	<u>EDTA Extract</u>			030	4.09	.26	057	5.64	.17	Avg	5.66	
260	3.97	-1.08	296	4.18 R	1.08	040	4.10	.24	231	5.64	.08	426	5.66	-.43
102	3.98	-1.26	029	4.20	1.07	475	4.09	.19	Avg	5.62		292	5.53	-.75
009	3.94	-1.45	105	4.15	.84	185	4.08	.13	211	5.60	-.11	055	5.49	-1.00
Meth: 041.20 PCT			106	4.14	.80	136	4.08	.13	072	5.62	-.42	477	5.47	-1.08
Dir Available Phosph			043	4.15	.80	360	4.08	.12	090	5.44	-.93	Meth: 050.51 PCT		
<u>Spectrometric</u>			073	4.06	.38	Avg	4.06		055	5.37	-1.27	Soluble Potash		
030	4.09	.71	Avg	3.99		393	4.04	-.14	102	5.34	-1.48	<u>ICP (Citrate)</u>		
Avg	4.09		024	3.94	-.33	131	4.06	-.16	230	4.95 S	-3.37	432	5.95	1.93
262	3.50 S	-13.91	037	3.92	-.43	073	4.06	-.18	Meth: 050.30 PCT			393	5.90	1.71
Meth: 041.40 PCT			211	4.01	-.31	Meth: 050.30 PCT			Soluble Potash			007	5.58	.25
Dir Available Phosph			131	4.01	-.36	Soluble Potash			<u>AA (Oxalate)</u>			Avg	5.53	
<u>Automated</u>			351	3.79	-1.11	023	5.66	.93	073	5.67	.88	475	5.49	-.27
072	4.36	1.51	034	3.63	-1.92	073	5.67	.88	043	5.65	.85	389	5.44	-.46
Avg	4.02		Meth: 041.99 PCT			040	5.65	.78	136	5.54	.14	096	5.46	-.50
131	4.01	-.09	Dir Available Phosph			136	5.54	.14	Avg	5.52		291	5.43	-.51
027	3.88	-.67	<u>Other</u>			024	3.94	-.78	234	5.51	-.11	377	5.41	-.60
472	3.83	-.87	105	4.12	.71	037	3.92	-.90	351	5.45	-.38	009	5.40	-.66
095	1.11 S	-12.89	Avg	4.12		027	3.88	-1.17	231	5.37	-.83	478	5.30	-1.09
Meth: 041.50 PCT			230	3.30 S	-16.53	023	3.85	-1.33	185	5.15	-2.16	Meth: 050.60 PCT		
Dir Available Phosph			Meth: 041.XX PCT			472	3.83	-1.45	Soluble Potash			<u>Flame (Oxalate)</u>		
<u>ICP</u>			Dir Available Phosph			351	3.79	-1.69	Flame (Oxalate)			105	5.58	1.07
007	4.32	1.69	254	4.47	2.51	034	3.63	-2.63	Avg			Avg	5.49	
009	4.20 R	1.39	072	4.36	1.85	262	3.50 s	-3.46						
			007	4.32	1.64	230	3.30 s	-4.71						
			055	4.22 R	1.48	095	1.11 s	-18.19						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.60 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 121.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Acid Soluble Magnesi		
<u>Flame (Oxalate)</u>			<u>Other</u>											
309	5.40	-.60	247	5.40	-.47	105	5.64	.45	254	5.32	-1.17	422	0.07	1.81
			247	5.40	-.47	131	5.63	.45	102	5.34	-1.17	Avg	0.02	
			390	5.38	-.61	231	5.64	.43	472	5.31	-1.24	354	0.01	-.37
Meth: 050.61 PCT			255 5.28 -1.16			451 5.64 .42			478 5.30 -1.25			041 0.02 -.39		
Soluble Potash			260 5.38 R -1.50			009 5.63 .42			255 5.28 -1.49			477 0.01 -.49		
<u>Flame (Citrate)</u>			307 5.07 -1.93			322 5.61 .27			260 5.38 R -1.77			105 0.00 -.83		
035	30.93 s	255.64	476	4.99	-2.29	211	5.60	.23	185	5.15	-2.11	Meth: 144.99 PCT		
037	5.67 R	1.56	455	4.70 S	-3.58	325	5.58	.20	307	5.07	-2.37	Sulfur		
456	5.71	1.20	Meth: 050.XX PCT			007	5.58	.20	476	4.99	-2.78	<u>Other</u>		
029	5.70	1.10	<u>Soluble Potash</u>			095	5.56	.10	230	4.95 s	-3.04	422	0.08 s	39.56
105	5.64	.62	035	30.93 s	124.37	131	5.56	.03	030	4.92 s	-3.13	009	0.02	.98
Avg	5.59		471	6.37 s	3.98	Avg	5.55		455	4.70 s	-4.21	232	0.02	.87
131	5.56	-.32	114	6.05	2.46	137	5.54	-.06	034	4.41 s	-5.63	Avg	0.02	
095	5.56	-.33	422	6.04	2.37	136	5.54	-.08	Meth: 101.30 PCT			291	0.01	-.59
024	5.54	-.52	432	5.95	1.94	024	5.54	-.09	Acid Soluble Calcium			389	0.01	-1.20
041	5.42	-1.73	027	5.91	1.79	292	5.53	-.14	<u>ICP</u>			354	0.01 R	-8.62
030	4.92 S	-6.78	393	5.90	1.70	105	5.53	-.18	041	0.22	1.01	Meth: 151.30 PPM		
034	4.41 s	-11.92	450	5.81	1.36	234	5.51	-.23	422	0.28	.94	Arsenic		
Meth: 050.99 PCT			330	5.65 R	1.32	360	5.54	-.24	Avg	0.16		<u>ICP</u>		
Soluble Potash			049	5.79	1.15	232	5.50	-.28	354	0.13	-.35	393	0.44	1.21
<u>Other</u>			470	5.76	.99	475	5.49	-.36	009	0.00	-1.21	102	0.31	.62
027	5.91	1.81	324	5.73	.98	055	5.49	-.40	Meth: 121.00 PCT			Avg	0.19	
450	5.81	1.41	354	5.73	.91	477	5.47	-.45	Acid Soluble Magnesi			477	0.00	-.91
330	5.65 R	1.27	037	5.67	.86	368	5.46	-.45	<u>AA</u>			450	0.00	-.91
177	5.67	.72	456	5.71	.75	351	5.45	-.52	105	0.00	.00	Meth: 165.00 PCT		
072	5.67	.71	029	5.70	.70	389	5.44	-.58	Acid Soluble Boron			<u>Spectrometric</u>		
131	5.63	.59	023	5.66	.69	090	5.44	-.59	023	0.019	1.65			
451	5.64	.58	106	5.69	.66	096	5.46	-.60	393	0.016	.41			
322	5.61	.45	426	5.66	.66	042	5.43	-.62	Avg	0.03				
325	5.58	.34	105	5.58	.65	291	5.43	-.63	041	0.02	-.49			
360	5.54	.24	073	5.67	.63	041	5.42	-.67	354	0.01	-.55			
105	5.53	.17	072	5.67	.56	377	5.41	-.72	477	0.01	-.69			
137	5.54	.15	177	5.67	.57	309	5.40	-.73	Meth: 121.30 PCT			028	0.015	-.10
Avg	5.51		072	5.67	.56	247	5.40	-.75	Acid Soluble Magnesi			296	0.015	-.10
232	5.50	-.05	040	5.65	.54	009	5.40	-.79	<u>ICP</u>			057	0.015	-.25
368	5.46	-.20	072	5.62	.52	390	5.38	-.90	422	0.07	1.58			
042	5.43	-.36	057	5.64	.45	231	5.37	-.93	Avg	0.03				
						055	5.37	-.93	041	0.02	-.49			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 165.99 PCT			Meth: 165.XX PCT			Meth: 190.00 PCT			Meth: 221.00 PCT			Meth: 221.30 PCT		
<u>Acid Soluble Boron</u>			<u>Acid Soluble Boron</u>			<u>Water Soluble Chlori</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>		
<u>Other</u>			<u>ICP</u>			<u>Titrimetric</u>			<u>Atomic Absorption</u>			<u>ICP</u>		
042	0.028 s	5.17	360	0.018	.58	422	0.08	-.71	262	0.0300	1.10	095	0.0240	-1.03
137	0.020	1.54	117	0.018	.56				029	0.0260	.00	472	0.0240	-1.09
432	0.020	1.54	422	0.017	.55	Meth: 191.30 PPM			Avg 0.0260			307 0.0225 -1.59		
475	0.020	1.54	307	0.017	.55	Chromium			043 0.0220 -1.13			291 0.0225 -1.59		
354	0.020 R	1.48	426	0.017	.41	<u>ICP</u>			105 0.0050 S -5.78			450 0.0250 R -1.95		
114	0.020	1.33	Avg 0.016			393	1.16	1.15	Meth: 221.30 PCT			Meth: 221.99 PCT		
433	0.018	.70	368	0.016	-.10	009	1.10	1.02	Acid Soluble Copper			Acid Soluble Copper		
096	0.018	.64	393	0.016	-.12	368	0.80	.54	<u>ICP</u>			<u>Other</u>		
422	0.017	.49	231	0.016	-.13	Avg 0.59			041 0.0335 2.47			137 0.0300 .00		
307	0.017	.49	043	0.016	-.27	102	0.47	-.26	324 0.0330 2.31			Meth: 221.XX PCT		
360	0.018	.47	232	0.015	-.39	477	0.00	-1.18	231 0.0300 1.18			<u>Acid Soluble Copper</u>		
117	0.018	.43	324	0.016	-.47	450	0.00	-1.18	432 0.0300 1.18			041 0.0335 2.39		
426	0.017	.29	477	0.015	-.52	Meth: 191.99 PPM			475 0.0300 1.18			324 0.0330 2.23		
Avg 0.017			389	0.015	-.58	Chromium			117 0.0298 1.09			231 0.0300 1.14		
368	0.016	-.20	296	0.015	-.58	<u>Other</u>			354 0.0285 .65			262 0.0300 1.14		
231	0.016	-.27	028	0.015	-.58	231 0.62 .71			426 0.0283 .56			137 0.0300 1.14		
043	0.016	-.41	057	0.015	-.72	Meth: 191.XX PPM			247 0.0278 .36			432 0.0300 1.14		
232	0.015	-.52	009	0.015	-.73	<u>Chromium</u>			389 0.0275 .32			475 0.0300 1.14		
324	0.016	-.53	255	0.014	-1.17	393 1.16 1.25			037 0.0270 .08			102 0.0295 1.10		
477	0.015	-.66	291	0.014	-1.27	009 1.10 1.12			Avg 0.0268			117 0.0298 1.05		
389	0.015	-.72	029	0.012	-1.93	368 0.80 R .61			433 0.0266 -.08			354 0.0285 .63		
389	0.015	-.72	472	0.012	-1.98	231 0.62 .13			368 0.0263 -.26			426 0.0283 .53		
009	0.015	-.86	471	0.011 R	-2.68	Avg 0.56			027 0.0260 -.29			247 0.0278 .34		
255	0.014	-1.32	Meth: 171.99 PCT			102 0.47 -.21			023 0.0260 -.29			389 0.0275 .30		
291	0.014	-1.42	Water Soluble Boron			477 0.00 -1.15			390 0.0259 -.34			037 0.0270 .07		
472	0.012	-2.13	<u>Other</u>			450 0.00 -1.15			422 0.0255 -.51			Avg 0.0268		
Meth: 165.XX PCT			027 0.016 .00			Meth: 181.30 PPM			360 0.0255 -.51			433 0.0266 -.08		
<u>Acid Soluble Boron</u>			Meth: 181.30 PPM			Cadmium			114 0.0255 -.51			368 0.0263 -.26		
042	0.028 s	5.26	ICP			ICP			009 0.0255 -.52			029 0.0260 -.29		
137	0.020	1.66	393 0.30 1.60			Meth: 202.30 PPM			131 0.0253 -.55			023 0.0260 -.29		
432	0.020	1.66	Avg 0.10			Acid Soluble Cobalt			057 0.0254 -.59			027 0.0260 -.29		
475	0.020	1.66	477 0.05 -.37			<u>ICP</u>			477 0.0251 -.62			390 0.0259 -.33		
354	0.020 R	1.58	102 0.04 -.45			393 0.20 1.58			035 0.0250 -.66			422 0.0255 -.50		
114	0.020	1.45	450 0.00 -.77			Avg 0.06			232 0.0248 -.75			360 0.0255 -.50		
023	0.019	1.01				102 0.05 -.23			393 0.0244 -.88			114 0.0255 -.50		
433	0.018	.83				422 0.00 -.69								
096	0.018	.75				450 0.00 -.69								

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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: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.XX PCT			Meth: 251.30 PPM			Meth: 261.30 PCT									
<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>									
009	0.0255	-.51	ICP			324	0.04	1.11	ICP			433	0.036	.60							
131	0.0253	-.54	041	0.04	.76	117	0.04	.92	393	0.87	1.54	433	0.036	.60							
057	0.0254	-.58	009	0.04	.48	390	0.04	.80	368	0.49	.56	057	0.036	.56							
477	0.0251	-.61	057	0.04	.42	102	0.04	.76	Avg	0.34		102	0.036	.40							
035	0.0250	-.65	114	0.04	.33	041	0.04	.76	102	0.30	-.26	114	0.036	.38							
232	0.0248	-.73	023	0.04	.33	433	0.04	.76	477	0.05	-.86	009	0.035	.31							
393	0.0244	-.86	368	0.04	.21	029	0.04	.61	450	0.00	-1.00	368	0.035	.30							
095	0.0240	-1.01	095	0.04	.19	009	0.04	.48				354	0.035	.18							
472	0.0240	-1.06	360	0.04	.14	057	0.04	.41	Meth: 251.XX PPM			389	0.035	.18							
307	0.0225	-1.55	Avg	0.04		023	0.04	.31	<u>Lead</u>			450	0.035	.18							
291	0.0225	-1.55	037	0.04	-.15	114	0.04	.31	136	2.00	1.93	360	0.035	.18							
043	0.0220	-1.75	096	0.04	-.16	368	0.04	.21	393	0.87	.35	390	0.035	.11							
450	0.0250 R	-1.90	432	0.04	-.16	095	0.04	.15	Avg	0.62		Avg	0.034								
105	0.0050 s	-7.77	231	0.04	-.16	360	0.04	.10	368	0.49	-.25	131	0.034	-.11							
			131	0.04	-.38	Avg	0.04		102	0.30	-.46	027	0.034	-.14							
			389	0.04	-.56	037	0.04	-.17	477	0.05	-.80	023	0.034	-.14							
Meth: 241.00 PCT			027			0.04	-.64	450			0.00	-.86	035			0.034	-.20				
<u>Acid Soluble Iron</u>			232			0.04	-.67	Meth: 261.00 PCT			095			0.032	-.77						
<u>Atomic Absorption</u>			393			0.04	-.83	<u>Acid Soluble Manganese</u>			422			0.033	-.81						
296	0.05	1.39	035	0.04	-.98	137	0.04	-.22	<u>AA</u>			307			0.030	-1.45					
029	0.04	.37	472	0.04	-1.04	432	0.04	-.22	471			0.042 X	1.24	472			0.028	-2.14			
Avg	0.04		291	0.03	-1.86	371	0.04	-.26	262			0.040	.71	291			0.027	-2.61			
371	0.04	-.85	450	0.03	-2.78	043	0.04	-.27	029			0.039	.26	Meth: 261.31 PCT							
043	0.04	-.85	042	0.03 s	-4.31	131	0.04	-.44	Avg			0.038		<u>Acid Soluble Manganese</u>							
262	0.03 S	-5.17				389	0.04	-.62	043			0.035	-1.00	ICP							
						027	0.04	-.71	296			0.035	-1.18	324			0.036	.71			
						232	0.04	-.75	Meth: 261.30 PCT			Meth: 261.99 PCT									
Meth: 241.30 PCT			Meth: 241.99 PCT			Meth: 241.XX PCT			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>									
<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			ICP			Other									
ICP			Other			ICP			041			0.041	2.05	137			0.040	1.42			
477	0.06 s	5.25	137	0.04	.00	472	0.04	-1.12	231			0.035 R	1.65	042			0.038	.76			
354	0.05 s	4.22				291	0.03	-1.98	432			0.035 R	1.65	Avg			0.036				
422	0.05	2.07				450	0.03	-2.94	475			0.035 R	1.65	037			0.036	-.35			
475	0.05 R	2.06				262	0.03 s	-3.42	Meth: 251.00 PPM			426			0.039	1.46	393			0.034	-.90
426	0.05	1.64				042	0.03 s	-4.54	<u>Lead</u>			117			0.038	1.23	255			0.034	-.97
324	0.04	1.11							<u>Atomic Absorption</u>			096			0.036	.65					
117	0.04	.92							136			2.00	.00								
390	0.04	.80																			
102	0.04	.77																			
433	0.04	.77																			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 261.XX PCT			Meth: 261.XX PCT			Meth: 289.XX PPM			Meth: 291.XX PPM			Meth: 321.00 PCT		
<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Acid Soluble Zinc</u>		
471	0.042 X	1.99	472	0.028	-2.30	114	10.00	2.55	393	0.65	1.81	<u>Atomic Absorption</u>		
041	0.041	1.74	291	0.027	-2.76	422	9.25	1.79	231	0.22	.05	471	0.041 X	1.85
262	0.040	1.51	Meth: 281.30 PPM			475	8.00 R	1.14	Avg	0.21		Avg	0.033	
137	0.040	1.51	Mercury			433	8.48	.99	102	0.21 R	-.24	371	0.033	-.21
426	0.039	1.16	<u>ICP</u>			042	8.00	.49	477	0.10	-.47	296	0.032	-.36
029	0.039	1.05	393	0.45	.87	Avg	7.52		105	0.10	-.47	043	0.032	-.43
117	0.038	.94	Avg	0.23		368	7.45	-.09	450	0.00	-.89	262	0.030	-.85
042	0.038	.93	450	0.00	-.86	247	7.40	-.16	Meth: 301.30 PPM			Meth: 321.30 PCT		
096	0.036	.38	Meth: 289.30 PPM			231	7.31	-.24	<u>Selenium</u>			<u>Acid Soluble Zinc</u>		
057	0.036	.34	<u>Molybdenum</u>			232	7.22	-.31	<u>ICP</u>			<u>ICP</u>		
433	0.036	.33	<u>ICP</u>			102	7.39	-.43	393	0.49	1.29	041	0.047 s	6.49
324	0.036	.26	114	10.00	2.42	057	7.10	-.44	Avg	0.16		432	0.035 R	2.27
114	0.036	.18	422	9.25	1.70	009	7.08	-.49	477	0.00	-.64	475	0.035 R	2.27
037	0.036	.18	475	8.00 R	1.08	450	7.00	-.54	450	0.00	-.64	354	0.037	1.91
009	0.035	.14	433	8.48	.96	037	6.89	-.66	Meth: 311.30 PCT			117	0.037	1.66
102	0.036	.14	Avg	7.50		117	6.76	-.79	<u>Sodium</u>			422	0.036	1.26
Avg	0.035		368	7.45	-.07	393	6.73	-.81	<u>Flame Photometric</u>			023	0.036	1.12
360	0.035	-.07	247	7.40	-.14	255	6.30	-1.32	105	0.04	.71	426	0.034	1.01
450	0.035	-.07	232	7.22	-.28	105	1.40 s	-6.30	Meth: 311.99 PCT			368	0.033	.88
389	0.035	-.07	057	7.10	-.39	Meth: 291.30 PPM			<u>Sodium</u>			114	0.035	.71
354	0.035	-.07	102	7.39	-.40	<u>Nickel</u>			<u>Other</u>			009	0.034	.63
390	0.035	-.16	009	7.08	-.44	<u>ICP</u>			422	0.31	1.29	102	0.034	.62
043	0.035	-.18	450	7.00	-.49	393	0.65	1.60	Avg	0.12		096	0.034	.58
296	0.035	-.28	037	6.89	-.60	Avg	0.21		102	0.21 R	-.21	477	0.034	.47
368	0.035	-.31	117	6.76	-.73	102	0.10	-.41	232	0.03	-.64	049	0.034	.47
131	0.034	-.34	393	6.73	-.75	477	0.10	-.41	009	0.03	-.65	324	0.034	.47
027	0.034	-.39	255	6.30	-1.23	105	0.10	-.41	Meth: 311.XX PCT			037	0.034	.47
023	0.034	-.39	105	1.40 s	-5.92	Meth: 291.99 PPM			<u>Sodium</u>			057	0.034	.30
393	0.034	-.42	Meth: 289.99 PPM			<u>Nickel</u>			422	0.31	1.62	095	0.033	.22
035	0.034	-.44	<u>Molybdenum</u>			<u>Other</u>			Avg	0.10		433	0.033	.21
255	0.034	-.52	<u>Other</u>			231	0.22	.71	105	0.04	-.45	247	0.033	.10
232	0.033	-.61	042	8.00	.85	Meth: 291.99 PPM			105	0.04	-.45	360	0.033	.06
422	0.033	-.94	Avg	7.65		<u>Nickel</u>			232	0.03	-.57	Avg	0.033	
095	0.032	-.99	231	7.31	-.88	<u>Other</u>			009	0.03	-.59	389	0.033	-.26
231	0.035 R	-1.58	Meth: 289.99 PPM			<u>Other</u>			Meth: 311.XX PCT			390	0.032	-.30
475	0.035 R	-1.58	<u>Molybdenum</u>			<u>Other</u>			<u>Sodium</u>			232	0.032	-.35
432	0.035 R	-1.58	<u>Other</u>			<u>Other</u>			<u>Other</u>			027	0.032	-.36
307	0.030	-1.65	042	8.00	.85	<u>Other</u>			<u>Other</u>					

\* 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
Meth: 321.30 PCT		
<u>Acid Soluble Zinc</u>		
<u>ICP</u>		
131	0.031	-.62
255	0.031	-.82
472	0.031	-.88
042	0.030	-1.19
450	0.030	-1.19
231	0.030	-1.19
307	0.030	-1.42
291	0.026	-2.86
105	0.007 s	-10.82
Meth: 321.99 PCT		
<u>Acid Soluble Zinc</u>		
<u>Other</u>		
231	0.032	.87
Avg	0.031	
137	0.030	-.87
Meth: 321.XX PCT		
<u>Acid Soluble Zinc</u>		
041	0.047 s	6.10
471	0.041 X	3.22
432	0.035 R	2.14
475	0.035 R	2.14
354	0.037 R	1.84
117	0.037	1.61
422	0.036	1.23
023	0.036	1.10
426	0.034 R	.96
368	0.033 R	.83
114	0.035	.72
009	0.034	.65
102	0.034	.64
096	0.034	.60
477	0.034	.51
324	0.034	.50
037	0.034	.50
049	0.034	.50

Lab	Average*	Index
Meth: 321.XX PCT		
<u>Acid Soluble Zinc</u>		
057	0.034	.34
095	0.033	.27
433	0.033	.26
247	0.033	.14
360	0.033	.12
Avg	0.033	
371	0.033	-.10
389	0.033	-.21
390	0.032	-.22
232	0.032	-.26
027	0.032	-.27
231	0.032	-.27
296	0.032	-.27
043	0.032	-.38
131	0.031	-.51
255	0.031	-.70
472	0.031	-.77
137	0.030	-1.05
231	0.030	-1.05
042	0.030	-1.05
262	0.030	-1.05
450	0.030	-1.05
307	0.030	-1.26
291	0.026	-2.60
105	0.007 s	-10.02

Lab	Average*	Index
Meth: 325.30 PCT		
<u>Water Soluble Zinc</u>		
<u>ICP</u>		
393	0.035	.00
Meth: 325.99 PCT		
<u>Water Soluble Zinc</u>		
<u>Other</u>		
472	0.031	.71

Lab	Average*	Index
Meth: 325.XX PCT		
<u>Water Soluble Zinc</u>		
393	0.035	.82
Avg	0.033	
472	0.031	-.91

\* 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
001.99	3	0.00	1.04	0.33	144.99	6	6.43	16.18	3.76
001.XX	4	0.00	1.01	0.33	144.XX	6	6.43	16.18	3.76
002.99	2	0.00	1.22	0.00	151.30	4	0.00	1.08	0.07
002.XX	3	0.00	1.12	0.01	151.XX	4	0.00	1.08	0.07
005.00	3	0.00	1.12	0.06	165.00	7	- 0.333	1.297	0.297
005.99	3	0.00	1.11	0.08	165.99	24	0.269	1.427	0.274
005.XX	6	0.00	1.05	0.07	165.XX	31	0.132	1.439	0.271
010.11	9	0.01	0.95	0.40	181.30	4	0.00	1.07	0.09
010.12	3	- 5.66	26.62	5.36	181.XX	4	0.00	1.07	0.09
010.60	61	- 0.12	1.64	0.64	191.30	6	0.00	1.04	0.15
010.99	2	0.00	1.18	0.24	191.XX	7	0.07	0.97	0.15
010.XX	75	- 0.13	1.71	0.64	202.30	4	0.00	1.06	0.16
020.10	7	- 0.52	1.66	0.69	202.XX	4	0.00	1.06	0.16
020.20	11	- 1.06	3.35	0.48	221.00	4	- 1.445	3.0266	0.1376
020.40	7	20.12	53.24	0.95	221.30	32	- 0.020	0.9817	0.3713
020.50	15	0.21	1.51	0.18	221.XX	37	- 0.227	1.6015	0.3404
020.99	4	- 0.86	1.95	0.66	241.00	5	- 1.03	2.49	0.12
020.XX	42	1.16	8.86	0.39	241.30	32	0.16	1.62	0.66
040.XX	2	0.00	1.05	0.44	241.XX	38	0.05	1.67	0.63
041.10	13	0.57	1.75	0.80	251.30	5	0.00	1.04	0.20
041.20	2	- 6.95	9.83	0.50	251.XX	6	0.00	1.04	0.09
041.40	5	- 2.58	5.84	0.16	261.00	5	0.000	1.046	0.157
041.50	9	0.08	0.96	0.47	261.30	28	0.020	0.933	0.571
041.60	10	0.10	1.01	0.20	261.99	5	0.000	1.019	0.263
041.99	2	- 8.23	11.64	1.12	261.XX	39	- 0.005	0.948	0.476
041.XX	36	- 0.72	3.28	0.37	281.30	2	0.00	1.22	0.11
050.00	13	0.02	1.68	0.29	281.XX	2	0.00	1.22	0.11
050.30	9	0.00	0.95	0.38	289.30	16	- 0.34	1.76	0.29
050.31	2	0.00	0.14	0.86	289.99	2	0.00	1.21	0.15
050.50	8	0.00	0.99	0.27	289.XX	18	- 0.32	1.77	0.29
050.51	10	0.00	1.01	0.17	291.30	5	0.00	0.93	0.10
050.60	2	0.00	0.84	0.63	291.XX	6	0.00	0.95	0.10
050.61	11	21.62	77.72	0.76	301.30	3	0.00	1.12	0.06
050.99	22	- 0.16	1.20	0.45	301.XX	3	0.00	1.12	0.06
050.XX	70	1.60	14.95	0.39	311.99	3	0.00	1.12	0.02
101.30	4	0.00	0.94	0.46	311.XX	4	0.00	1.08	0.02
101.XX	4	0.00	0.94	0.46	321.00	5	0.000	1.060	0.039
121.30	4	0.00	1.03	0.27	321.30	35	- 0.096	2.287	0.790
121.XX	5	0.00	1.02	0.25	321.99	2	0.000	1.225	0.000

## Method Evaluation - Z Values Based on 1 Reports

<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>	<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>
321.XX	41	- 0.001	2.041	0.683					