

- Pass 1 Results for 75 Labs - - Pass 2 Results for 72 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	0.03	0.01	0.02	1	0.03	0.01	0.02
Ammoniacal Nitrogen, Other		001.99	7	0.39	0.33	0.04	7	0.39	0.33	0.04
Method Group 001.XX PCT			8	0.35	0.33	0.04	8	0.35	0.33	0.04
Nitrate Nitrogen, Other		002.99	2	0.00	0.00	0.00	2	0.00	0.00	0.00
Water Insoluble Nitrogen, Meth I	945.01	003.10	2	8.13	0.02	0.04	2	8.13	0.02	0.04
Water Insoluble Nitrogen, Other		003.99	1	7.95	0.01	0.02	1	7.95	0.01	0.02
Method Group 003.XX PCT			3	8.07	0.09	0.03	3	8.07	0.09	0.03
Nitrogen From Urea, Other		005.99	1	0.53	0.04	0.05	1	0.53	0.04	0.05
Ammon & Nitrate N, Devarda	892.01	009.10	1	0.34	0.01	0.01	1	0.34	0.01	0.01
Ammon & Nitrate N, Other		009.99	1	0.98	0.00	0.00	1	0.98	0.00	0.00
Method Group 009.XX PCT			2	0.66	0.37	0.01	2	0.66	0.37	0.01
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	8.87	0.17	0.06	6	8.79	0.25	0.05
Total Nitrogen, Salicylic	955.04D	010.12	5	8.99	0.09	0.06	5	8.99	0.09	0.06
Total Nitrogen, Combustion		010.60	42	9.07	0.10	0.06	39	9.07	0.09	0.05
Total Nitrogen, Other		010.99	5	8.86	0.31	0.05	5	8.86	0.31	0.05
Method Group 010.XX PCT			64	9.03	0.20	0.06	62	9.03	0.20	0.05
Total Phosphate, Grav Quimociac	962.02	020.10	3	4.28	0.07	0.05	3	4.28	0.07	0.05
Total Phosphate, Spectrometric	958.01	020.20	10	4.35	0.29	0.06	10	4.35	0.29	0.06
Total Phosphate, Automated	978.01	020.40	4	4.27	0.11	0.11	4	4.27	0.11	0.11
Total Phosphate, ICP		020.50	11	4.48	0.20	0.09	11	4.48	0.20	0.09
Total Phosphate, Other		020.99	3	4.28	0.38	0.17	3	4.28	0.38	0.17
Method Group 020.XX PCT			32	4.39	0.26	0.08	28	4.41	0.21	0.05
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.49	0.04	0.05	1	0.49	0.04	0.05
Insoluble Phosphate, Automated	978.01	030.40	1	0.30	0.04	0.06	1	0.30	0.04	0.06
Insoluble Phosphate, ICP		030.50	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Insoluble Phosphate, Other		030.99	1	0.38	0.02	0.03	1	0.38	0.02	0.03
Method Group 030.XX PCT			4	0.29	0.19	0.04	4	0.29	0.19	0.04
InDir Available Phosphate, Grav Quim	960.02	040.10	1	3.86	0.01	0.01	1	3.86	0.01	0.01
InDir Available Phosphate, Automated	960.02	040.40	1	4.53	0.01	0.02	1	4.53	0.01	0.02
InDir Available Phosphate, ICP		040.50	1	4.42	0.03	0.04	1	4.42	0.03	0.04
InDir Available Phosphate, Other		040.99	1	3.92	0.03	0.04	1	3.92	0.03	0.04
Method Group 040.XX PCT			4	4.18	0.32	0.03	4	4.18	0.32	0.03
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	9	3.99	0.23	0.04	8	4.01	0.24	0.02
Dir Available Phosphate, Spectrometric	960.03D	041.20	3	3.78	0.70	0.69	3	3.78	0.70	0.69
Dir Available Phosphate, Automated	978.01	041.40	5	4.25	0.23	0.13	4	4.20	0.19	0.04
Dir Available Phosphate, ICP		041.50	11	4.13	0.38	0.09	10	4.05	0.32	0.07
Dir Available Phosphate, EDTA Extract	993.01	041.60	7	4.24	0.09	0.04	7	4.24	0.09	0.04
Method Group 041.XX PCT			36	4.13	0.37	0.12	34	4.12	0.34	0.06
Water Soluble Phosphate, Spectrometric	970.01	048.20	5	0.94	0.68	0.07	5	0.94	0.68	0.07

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Water Soluble Phosphate, ICP		048.50	1	0.82	0.01	0.02	1	0.82	0.01	0.02
Method Group 048.XX PCT			6	0.92	0.62	0.06	5	0.99	0.66	0.03
Soluble Potash, STPB Oxalate	958.02	050.00	2	3.72	0.19	0.03	2	3.72	0.19	0.03
Soluble Potash, AA (Oxalate)		050.30	6	3.62	0.31	0.06	6	3.62	0.31	0.06
Soluble Potash, AA (Citrate)		050.31	1	3.00	0.10	0.14	1	3.00	0.10	0.14
Soluble Potash, ICP (Oxalate)		050.50	8	3.76	0.13	0.04	8	3.76	0.13	0.04
Soluble Potash, ICP (Citrate)		050.51	8	3.81	0.22	0.06	8	3.81	0.22	0.06
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	4	4.00	0.17	0.04	4	4.00	0.17	0.04
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	9	3.71	0.11	0.04	8	3.71	0.10	0.01
Soluble Potash, Other		050.99	16	3.77	0.23	0.07	14	3.76	0.23	0.04
Method Group 050.XX PCT			54	3.75	0.24	0.06	50	3.76	0.22	0.04
Free Water, Vacuum Oven	965.08B	060.00	6	3.30	0.47	0.19	5	3.29	0.49	0.08
Free Water, Other		060.99	1	5.08	0.07	0.10	1	5.08	0.07	0.10
Method Group 060.XX PCT			7	3.56	0.78	0.18	6	3.59	0.83	0.09
Acid Soluble Calcium, AA	945.04	101.00	10	4.01	0.22	0.11	10	4.01	0.22	0.11
Acid Soluble Calcium, ICP		101.30	27	4.12	0.20	0.08	26	4.12	0.20	0.07
Acid Soluble Calcium, Other		101.99	3	3.99	0.09	0.11	3	3.99	0.09	0.11
Method Group 101.XX PCT			40	4.08	0.20	0.09	39	4.08	0.20	0.08
Acid Soluble Magnesium, AA	984.01	121.00	10	1.67	0.08	0.05	10	1.67	0.08	0.05
Acid Soluble Magnesium, ICP		121.30	31	1.72	0.10	0.03	28	1.72	0.11	0.02
Acid Soluble Magnesium, Other		121.99	3	1.80	0.08	0.02	3	1.80	0.08	0.02
Method Group 121.XX PCT			45	1.72	0.10	0.04	42	1.71	0.10	0.03
Water Soluble Magnesium, AA		131.00	2	1.44	0.15	0.07	2	1.44	0.15	0.07
Water Soluble Magnesium, ICP		131.30	2	1.42	0.15	0.07	2	1.42	0.15	0.07
Water Soluble Magnesium, Other		131.99	1	1.41	0.04	0.05	1	1.41	0.04	0.05
Method Group 131.XX PCT			5	1.42	0.12	0.06	5	1.42	0.12	0.06
Sulfur, Gravimetric	980.02a	144.01	10	3.43	0.40	0.07	10	3.43	0.40	0.07
Sulfur, Gravimetric	980.02b	144.02	1	4.37	0.00	0.00	1	4.37	0.00	0.00
Sulfur, Other		144.99	20	4.11	0.17	0.07	19	4.12	0.16	0.05
Method Group 144.XX PCT			32	3.88	0.43	0.07	31	3.87	0.44	0.06
Arsenic, Atomic Absorption		151.00	1	0.30	0.00	0.00	1	0.30	0.00	0.00
Arsenic, ICP		151.30	3	2.37	1.21	0.71	3	2.37	1.21	0.71
Arsenic, Other		151.99	1	0.25	0.01	0.01	1	0.25	0.01	0.01
Method Group 151.XX PPM			5	1.53	1.41	0.43	4	1.66	1.48	0.05
Acid Soluble Boron, Other		165.99	4	0.013	0.014	0.005	3	0.007	0.010	0.000
Cadmium, Atomic Absorption		181.00	1	0.65	0.07	0.10	1	0.65	0.07	0.10
Cadmium, ICP		181.30	3	0.24	0.48	0.33	3	0.24	0.48	0.33
Method Group 181.XX PPM			4	0.34	0.45	0.28	3	0.22	0.33	0.03
Chromium, ICP		191.30	9	32.24	6.86	1.38	9	32.24	6.86	1.38

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Chromium, Other		191.99	1	33.38	0.64	0.90	1	33.38	0.64	0.90
Method Group 191.XX PPM			10	32.35	6.50	1.33	10	32.35	6.50	1.33
Acid Soluble Cobalt, ICP	965.11	202.30	7	2.57	0.90	0.17	6	2.46	0.93	0.10
Acid Soluble Cobalt, Other		202.99	2	3.47	0.69	0.11	2	3.47	0.69	0.11
Method Group 202.XX PPM			9	2.77	0.92	0.16	8	2.71	0.96	0.10
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0007	0.0008	0.0001	2	0.0007	0.0008	0.0001
Acid Soluble Copper, ICP		221.30	12	0.0014	0.0003	0.0001	10	0.0015	0.0003	0.0000
Acid Soluble Copper, Other		221.99	1	0.0016	0.0001	0.0002	1	0.0016	0.0001	0.0002
Method Group 221.XX PCT			15	0.0014	0.0005	0.0001	13	0.0013	0.0005	0.0000
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	0.07	0.01	0.00	2	0.07	0.01	0.00
Acid Soluble Iron, ICP		241.30	10	0.06	0.01	0.00	10	0.06	0.01	0.00
Method Group 241.XX PCT			12	0.06	0.01	0.00	12	0.06	0.01	0.00
Lead, Atomic Absorption		251.00	2	4.08	3.48	1.15	2	4.08	3.48	1.15
Lead, ICP		251.30	4	3.15	4.30	0.27	3	3.79	4.89	0.06
Method Group 251.XX PPM			6	3.46	3.91	0.56	5	2.75	3.89	0.28
Acid Soluble Manganese, ICP	972.02a	261.30	8	0.004	0.000	0.000	7	0.004	0.000	0.000
Acid Soluble Manganese, Other		261.99	1	0.005	0.000	0.000	1	0.005	0.000	0.000
Method Group 261.XX PCT			9	0.004	0.001	0.000	8	0.004	0.000	0.000
Mercury, ICP		281.30	1	2.13	0.13	0.19	1	2.13	0.13	0.19
Molybdenum, ICP		289.30	9	2.92	0.77	0.16	9	2.92	0.77	0.16
Molybdenum, Other		289.99	2	1.92	2.21	0.08	2	1.92	2.21	0.08
Method Group 289.XX PPM			11	2.74	1.16	0.15	11	2.74	1.16	0.15
Nickel, Atomic Absorption		291.00	2	19.00	1.41	1.00	2	19.00	1.41	1.00
Nickel, ICP		291.30	10	17.36	3.49	0.91	9	16.79	3.14	0.67
Nickel, Other		291.99	1	18.70	0.51	0.72	1	18.70	0.51	0.72
Method Group 291.XX PPM			13	17.71	3.15	0.91	12	17.31	2.91	0.73
Selenium, ICP		301.30	2	6.98	6.79	0.27	2	6.98	6.79	0.27
Selenium, Other		301.99	2	0.72	0.06	0.06	2	0.72	0.06	0.06
Method Group 301.XX PPM			4	3.85	5.57	0.16	4	3.85	5.57	0.16
Sodium, Atomic Absorption	983.04	311.00	1	0.44	0.00	0.00	1	0.44	0.00	0.00
Sodium, Other		311.99	5	0.50	0.04	0.00	5	0.50	0.04	0.00
Method Group 311.XX PCT			6	0.49	0.05	0.00	6	0.49	0.05	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	2	0.013	0.005	0.006	2	0.013	0.005	0.006
Acid Soluble Zinc, ICP		321.30	19	0.012	0.004	0.000	18	0.012	0.004	0.000
Method Group 321.XX PCT			21	0.012	0.004	0.001	20	0.012	0.004	0.000
Water Soluble Zinc, ICP		325.30	1	0.005	0.006	0.009	1	0.005	0.006	0.009

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT Ammoniacal Nitrogen <u>MgO Distillation</u>			Meth: 003.10 PCT Water Insoluble Nitr <u>Meth I</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	0.03	.71	029	8.14	.94	309	9.03	.95	136	9.13	.65	030	9.57 S	2.40
			Avg	8.13		090	8.98	.75	247	9.13	.61	117	9.40	1.76
Meth: 001.99 PCT Ammoniacal Nitrogen <u>Other</u>			090			114			086			234		
137	9.03 s	26.10		8.12	-.78		8.96	.71		9.11	.49		8.89	.15
419	0.91	1.56	Meth: 003.99 PCT Water Insoluble Nitr <u>Other</u>			Avg			419			Avg		
393	0.67 X	.82		7.95	.71		8.82	.18		9.11	.41		8.86	
096	0.52	.42	Meth: 003.XX PCT <u>Water Insoluble Nitr</u>			Meth: 010.12 PCT Total Nitrogen <u>Salicylic</u>			291			371		
255	0.49	.30		8.14	.79		8.57	-.84		9.11	.41		8.77	-.28
Avg	0.39			090	.52		456	8.37 S		9.09	.38		260	-.78
368	0.07	-.98		027			211	8.05 S		292	.31		420	-.84
027	0.06	-1.01	Avg			Avg			007			Meth: 010.XX PCT <u>Total Nitrogen</u>		
420	0.04	-1.07		7.95	-1.26		185	8.99		389	.28		030	9.57 s
Meth: 001.XX PCT <u>Ammoniacal Nitrogen</u>			Meth: 005.99 PCT Nitrogen From Urea <u>Other</u>			397			Avg			043		
137	9.03 s	26.16		0.53	.71		402	9.02		324	9.07		043	9.54
419	0.91	1.69	Meth: 009.10 PCT Ammon & Nitrate N <u>Devarda</u>			Meth: 010.60 PCT Total Nitrogen <u>Combustion</u>			040			422		
393	0.67 X	.95		257	.71		027	9.02		040	9.05		422	9.52
096	0.52	.55		0.34			361	9.02		231	9.06		422	9.52
255	0.49	.43	Meth: 009.99 PCT Ammon & Nitrate N <u>Other</u>			027			406			037		
Avg	0.35			0.98	.00		406	9.01		451	9.00		102	9.21
368	0.07	-.84	Meth: 009.XX PCT <u>Ammon & Nitrate N</u>			043			027			255		
027	0.06	-.87		0.98			027	9.02		443	9.00		072	9.17 R
420	0.04	-.93		0.98	.87		072	9.02		177	9.02		095	9.16
232	0.03	-.95	Avg			072			009			377		
Meth: 002.99 PCT Nitrate Nitrogen <u>Other</u>				0.66			072	9.02		023	8.99		029	9.09
232	0.00	.88		257	-.87		102	9.21		157	8.98		360	9.14
Avg	0.00		Meth: 009.99 PCT Ammon & Nitrate N <u>Other</u>			095			368			028		
027	0.00	-.85		0.98	.87		095	9.16		131	8.97		136	9.13
* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits				0.66			095	9.16		262	8.97		247	9.13
Sample 200912				0.34			095	9.16		233	8.94		042	9.09
January 24, 2010				0.34			095	9.16		232	8.92		086	9.11
Page 4				0.34			095	9.16		426	8.88 R		419	9.11
				0.34			095	9.16		041	8.74 s		291	9.11
				0.34			095	9.16		420	8.67 s		351	9.10
				0.34			095	9.16		390	8.65 s		007	9.10
				0.34			095	9.16		405	8.65 s		292	9.10
				0.34			095	9.16		393	8.29 s		035	9.09
				0.34			095	9.16					389	9.07

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Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.40 PCT			Meth: 020.XX PCT			Meth: 030.40 PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>		
324	9.07	.19	460	8.57	-2.26	<u>Automated</u>			419	4.71	1.40	<u>Automated</u>		
096	9.05	.19	456	8.37 s	-3.30	042	4.30	.29	390	4.64	1.11	096	0.30	-.71
254	9.06	.16	393	8.29 s	-3.68	Avg	4.27		363	4.62	.98	Meth: 030.50 PCT		
231	9.06	.16	211	8.05 s	-4.87	035	4.17	-1.76	231	4.62	.96	<u>Insoluble Phosphate</u>		
040	9.05	.11	Meth: 020.10 PCT			Meth: 020.50 PCT			292	4.55	.64	<u>ICP</u>		
354	9.03	.10	<u>Total Phosphate</u>			<u>Total Phosphate</u>			361	4.54	.59	255 0.00 .00		
Avg	9.03		<u>Grav Quimociac</u>			<u>ICP</u>			232	4.47	.33	Meth: 030.99 PCT		
402	9.02	-.06	090	4.34	.95	422	4.93	2.26	255	4.43	.11	<u>Insoluble Phosphate</u>		
361	9.02	-.06	114	4.30	.25	390	4.64	.85	324	4.42	.11	<u>Other</u>		
309	9.03	-.13	Avg	4.28		231	4.62	.67	402	4.42	.05	247 0.38 .71		
443	9.00	-.14	041	4.21	-1.24	361	4.54	.28	Avg	4.41		Meth: 030.XX PCT		
027	9.00	-.14	Meth: 020.20 PCT			Avg	4.48		393	4.39	-.16	<u>Insoluble Phosphate</u>		
451	9.00	-.17	<u>Total Phosphate</u>			255	4.43	-.30	451	4.41	-.21	090 0.49 1.02		
406	9.01	-.17	<u>Spectrometric</u>			402	4.42	-.31	090	4.34	-.35	247 0.38 .45		
023	8.99	-.19	257	7.30 s	10.04	451	4.41	-.45	114	4.30	-.51	096 0.30 .16		
157	8.98	-.21	309	6.13 S	6.04	393	4.39	-.50	042	4.30	-.53	Avg 0.29		
177	9.02	-.25	406	5.32 S	3.28	426	4.40	-.81	247	4.30	-.53	255 0.00 -1.50		
009	9.01	-.26	419	4.71	1.22	368	4.36	-.87	456	4.30	-.54	Meth: 040.10 PCT		
090	8.98	-.27	363	4.62	.91	432	4.20	-1.45	368	4.36	-.61	<u>InDir Available Phos</u>		
368	8.97	-.30	292	4.55	.66	389	3.10 s	-6.95	426	4.40 R	-.63	<u>Grav Quim</u>		
131	8.97	-.32	232	4.47	.41	Meth: 020.99 PCT			177	4.26	-.72	090 3.86 .71		
262	8.97	-.35	231	4.45	.35	<u>Total Phosphate</u>			405	4.23	-.82	Meth: 040.40 PCT		
114	8.96	-.39	324	4.42	.24	<u>Other</u>			041	4.21	-.95	<u>InDir Available Phos</u>		
397	8.97	-.50	Avg	4.35		443	4.74	1.30	432	4.20	-1.00	<u>Automated</u>		
233	8.94	-.51	177	4.26	-.33	Avg	4.28		416	4.18 X	-1.09	096 4.53 .71		
185	8.92	-.56	405	4.23	-.41	234	4.14	-.39	234	4.14	-1.27	Meth: 040.50 PCT		
416	8.91 X	-.57	416	4.18 X	-.61	137	3.97	-.81	035	4.17 R	-1.34	<u>InDir Available Phos</u>		
232	8.92	-.57	460	3.65	-2.40	Meth: 020.XX PCT			137	3.97	-2.04	<u>Automated</u>		
234	8.89	-.70	420	3.48 S	-2.97	<u>Total Phosphate</u>			460	3.65 A	-3.54	096 4.53 .71		
426	8.88 R	-1.02	Meth: 020.40 PCT			257	7.30 s	13.45	420	3.48 s	-4.32	Meth: 030.10 PCT		
029	8.82	-1.07	<u>Total Phosphate</u>			309	6.13 s	7.98	Meth: 030.10 PCT			<u>ICP</u>		
371	8.77	-1.28	<u>Automated</u>			406	5.32 s	4.21	<u>Insoluble Phosphate</u>			255 4.42 .71		
041	8.74	-1.49	096	4.83 s	5.34	422	4.93	2.43	<u>Grav Quimociac</u>					
420	8.67	-1.79	456	4.30	.50	096	4.83	1.96	090 0.49 .71					
390	8.65	-1.88	247	4.30	.29	443	4.74 R	1.79						
405	8.65	-1.92												
260	8.62	-2.05												
420	8.60	-2.14												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 040.99 PCT			Meth: 041.40 PCT			Meth: 041.XX PCT			Meth: 041.XX PCT			Meth: 050.00 PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>		
Other			Automated			030			260			<u>STPB Oxalate</u>		
247	3.92	.71	072	4.45 R	1.82	397	5.03	2.67	260	2.80 s	-3.91	102	2.02 S	-9.12
Meth: 040.XX PCT			095			055			Meth: 048.20 PCT			Meth: 050.30 PCT		
<u>InDir Available Phos</u>			027			072			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>		
096	4.53	1.09	029			023			<u>Spectrometric</u>			<u>AA (Oxalate)</u>		
255	4.42	.76	Avg			360			309			136		
Avg	4.18		131			095			Avg			043		
247	3.92	-.82	Meth: 041.50 PCT			043			363			262		
090	3.86	-1.03	<u>Dir Available Phosph</u>			024			405			040		
			<u>ICP</u>			325			096			Avg		
			055			296			420			073		
Meth: 041.10 PCT			023			027			Meth: 048.50 PCT			351		
<u>Dir Available Phosph</u>			360			029			<u>Water Soluble Phosph</u>			Meth: 050.31 PCT		
<u>Grav Quimociac</u>			325			136			<u>ICP</u>			<u>Soluble Potash</u>		
136	4.25	1.00	007			007			393			<u>AA (Citrate)</u>		
254	4.19	.73	377			073			0.82			254		
009	4.17	.67	Avg			254			Meth: 048.XX PCT			Meth: 050.50 PCT		
072	4.17	.64	354			377			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>		
102	4.06	.19	361			009			309			<u>ICP (Oxalate)</u>		
Avg	4.01		009			072			Avg			422		
040	3.95	-.27	291			034			393			426		
131	3.81	-.89	393			Avg			405			451		
055	3.82 R	-.92	Meth: 041.60 PCT			037			096			354		
185	3.53	-2.05	<u>Dir Available Phosph</u>			102			420			420		
211	2.95 S	-4.51	<u>EDTA Extract</u>			354			Meth: 050.00 PCT			419		
260	2.80 S	-5.22	397			361			<u>Soluble Potash</u>			292		
			043			040			<u>STPB Oxalate</u>			055		
Meth: 041.20 PCT			024			131			211			324		
<u>Dir Available Phosph</u>			296			009			009			390		
<u>Spectrometric</u>			Avg			131			Avg			Meth: 050.51 PCT		
030	4.20	1.50	073			055			397			<u>Soluble Potash</u>		
Avg	3.78		351			291			072			<u>ICP (Citrate)</u>		
262	3.70	-.11	034			262			416			361		
363	3.44	-.49	037			185			257			4.05		
			393			363			2.05 S			1.08		
			211			211			-8.96					

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.51 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 101.00 PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Acid Soluble Calcium		
<u>ICP (Citrate)</u>			<u>Other</u>									<u>AA</u>		
291	4.04	1.02	234	4.32	2.39	027	3.89	.59	393	3.39	-1.69	028	4.39	1.75
023	3.98	.78	137	4.06	1.29	309	3.89	.57	073	3.29	-2.17	157	4.19	.91
432	3.87	.46	260	3.95 R	1.10	072	3.88	.52	351	3.14	-2.84	177	4.11	.48
Avg	3.81		027	3.89	.56	009	3.88	.52	254	3.00 A	-3.48	262	4.09	.37
009	3.81	-.14	072	3.88	.50	043	3.86	.44	072	2.65 s	-5.19	397	4.06 X	.27
007	3.73	-.44	325	3.85	.37	325	3.85	.39	389	2.60 s	-5.29	Avg	4.01	
377	3.64	-.80	300	3.84	.32	300	3.84	.34	114	2.39 s	-6.28	043	3.93	-.37
393	3.39	-1.91	360	3.80	.21	262	3.83	.31	416	2.32 s	-6.59	073	3.92	-.42
389	2.60 s	-5.48	Avg	3.76		009	3.81	.26	257	2.05 s	-7.80	296	3.94	-.43
			255	3.66	-.46	406	3.81	.24	102	2.02 s	-7.93	055	3.91	-.65
			177	3.63	-.55	360	3.80	.22				029	3.55	-2.05
Meth: 050.60 PCT			232			131			Meth: 060.00 PCT					
Soluble Potash			232			420			Free Water					
<u>Flame (Oxalate)</u>			042			419			<u>Vacuum Oven</u>			Meth: 101.30 PCT		
460	4.23	1.32	090	3.60 X	-.72	456	3.77	.10	405	3.89	1.22	Acid Soluble Calcium		
443	4.07	.42	131	3.56	-.89	Avg	3.76		363	3.36 R	.75	<u>ICP</u>		
Avg	4.00		368	3.53	-1.06	292	3.72	-.19	096	3.65	.72	422	5.10 s	4.94
309	3.89	-.65	402	3.43	-1.43	007	3.73	-.26	416	3.37 X	.17	041	4.59	2.42
406	3.81	-1.08				055	3.69	-.35	Avg	3.29		117	4.47	1.75
			Meth: 050.XX PCT			029	3.68	-.37	456	2.95	-.71	231	4.40	1.42
			<u>Soluble Potash</u>			024	3.68	-.37	007	2.61	-1.41	433	4.39	1.36
			422	5.06 s	5.89	034	3.66	-.47				420	4.33	1.12
			211	5.02 s	5.73	255	3.66	-.49	Meth: 060.99 PCT			354	4.28	.83
			030	4.72 s	4.41	040	3.68	-.55	Free Water			255	4.14 R	.74
			426	4.72 s	4.41	377	3.64	-.58	<u>Other</u>			037	4.22	.52
			234	4.32	2.52	177	3.63	-.58	443	5.08	.71	102	4.19	.42
			460	4.23	2.12	232	3.63	-.60				432	4.14	.32
			443	4.07	1.39	324	3.63	-.61	Meth: 060.XX PCT			300	4.14	.27
			137	4.06	1.36	035	3.62	-.64	<u>Free Water</u>			390	4.15	.25
			361	4.05	1.32	390	3.61	-.69	443	5.08	1.80	Avg	4.12	
			291	4.04	1.25	037	3.66 R	-.75	405	3.89	.36	389	4.10	-.10
			260	3.95 R	1.16	042	3.67 R	-.75	096	3.65	.07	419	4.09	-.16
			451	3.99	1.05	090	3.60 X	-.76	Avg	3.59		324	4.09	-.22
			023	3.98	1.01	041	3.60	-.76	416	3.37 X	-.27	291	4.06	-.33
			136	3.92	.70	131	3.56	-.94	363	3.36 R	-.53	247	4.04	-.41
			095	3.91	.68	397	3.56	-.95	456	2.95	-.78	361	4.03	-.49
			354	3.91	.66	368	3.53	-1.12	007	2.61	-1.19	360	4.02	-.53
			432	3.87	.61	402	3.43	-1.51				131	4.05	-.54

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 101.30 PCT			Meth: 101.XX PCT			Meth: 121.00 PCT			Meth: 121.30 PCT			Meth: 121.XX PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>		
ICP			389	4.10	.10	AA			ICP			361	1.73	.12
363	3.99	-.68	262	4.09	.07	397	1.66	-.26	324	1.61	-1.05	037	1.73	.12
009	3.98	-.71	419	4.09	.07	296	1.66	-.26	296	1.61	-1.05	137	1.72	.06
023	3.92	-1.05	Avg	4.08		262	1.65	-.32	095	1.61	-1.09	Avg	1.71	
232	3.90	-1.12	291	4.06	-.13	043	1.60	-1.05	393	1.54 X	-1.72	247	1.71	-.11
368	3.91	-1.13	247	4.04	-.20	029	1.57	-1.59	232	1.54	-1.75	419	1.70	-.18
095	3.83	-1.45	397	4.06 X	-.21	Meth: 121.30 PCT			Meth: 121.99 PCT			360	1.68	-.42
296	3.84	-1.50	137	4.03	-.25	<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			096	1.66	-.54
393	2.62 s	-7.99	361	4.03	-.28	ICP			Other			296	1.66	-.60
			360	4.02	-.33	426	2.16 s	4.27	460	1.89	1.20	397	1.66	-.60
Meth: 101.99 PCT			131	4.05	-.41	117	1.96	2.31	Avg	1.80		009	1.68	-.61
<u>Acid Soluble Calcium</u>			363	3.99	-.47	291	1.90	1.66	114	1.78	-.33	262	1.65	-.64
Other			009	3.98	-.49	422	1.87	1.38	137	1.72	-.98	363	1.65	-.64
042	4.00	1.13	042	4.00	-.63	433	1.84	1.11	Meth: 121.XX PCT			023	1.65	-.68
137	4.03	.50	043	3.93	-.75	041	1.83	1.04	<u>Acid Soluble Magnesi</u>			368	1.64	-.77
Avg	3.99		296	3.94	-.78	102	1.82	.93	426	2.16 s	4.55	157	1.68 R	-.78
114	3.93	-.99	073	3.92	-.82	231	1.82	.90	117	1.96	2.49	028	1.69 R	-.80
460	3.08 S	-10.16	023	3.92	-.82	354	1.80	.75	257	1.90 R	2.11	131	1.64	-.90
			114	3.93	-.82	042	1.75 R	.55	291	1.90	1.80	255	1.61	-1.00
Meth: 101.XX PCT			232	3.90	-.89	300	1.75	.30	460	1.89	1.76	324	1.61	-1.05
<u>Acid Soluble Calcium</u>			368	3.91	-.91	027	1.75	.25	422	1.87	1.51	296	1.61	-1.05
422	5.10 s	4.96	055	3.91	-1.00	432	1.75	.24	433	1.84	1.23	095	1.61	-1.09
041	4.59	2.52	095	3.83	-1.20	420	1.75	.24	041	1.83	1.15	043	1.60	-1.19
117	4.47	1.88	296	3.84	-1.27	361	1.73	.07	102	1.82	1.03	029	1.57	-1.56
028	4.39	1.57	029	3.55	-2.60	037	1.73	.07	231	1.82	1.01	393	1.54 X	-1.75
231	4.40	1.56	460	3.08 s	-4.91	Avg	1.72		309	1.80	.88	232	1.54	-1.78
433	4.39	1.50	393	2.62 s	-7.53	247	1.71	-.15	354	1.80	.84	Meth: 131.00 PCT		
420	4.33	1.27	Meth: 121.00 PCT			419	1.70	-.21	114	1.78	.69	<u>Water Soluble Magnes</u>		
354	4.28	.99	<u>Acid Soluble Magnesi</u>			390	1.72	-.28	042	1.75	.61	AA		
255	4.14 R	.76	AA			360	1.68	-.45	027	1.75	.37	309		
157	4.19	.69	257	1.90 s	3.26	096	1.66	-.57	300	1.75	.37	Avg		
037	4.22	.69	309	1.80	1.68	009	1.68 R	-.61	027	1.75	.32	029		
102	4.19	.58	028	1.69	1.00	363	1.65	-.67	420	1.75	.31	1.31		
432	4.14	.41	157	1.68	.93	023	1.65	-.70	432	1.75	.31	-.87		
390	4.15	.39	055	1.73	.70	368	1.64	-.79	390	1.72	.30	Meth: 131.30 PCT		
300	4.14	.38	177	1.73	.70	131	1.64 R	-.90	055	1.73	.18	<u>Water Soluble Magnes</u>		
177	4.11	.22	Avg	1.67		255	1.61	-1.01	177	1.73	.13	ICP		
324	4.09	.12										027		
												1.54		
												.81		

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 131.30 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT			Meth: 151.99 PPM			Meth: 181.XX PPM		
<u>Water Soluble Magnes</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Arsenic</u>			<u>Cadmium</u>		
<u>ICP</u>			<u>Other</u>			<u>Other</u>			<u>Other</u>			<u>ICP</u>		
Avg	1.42		117	4.42	1.87	291	4.13	.58	231	0.25	.71	393	21.07 s	62.73
432	1.30	-.92	157	4.36	1.50	363	4.10	.53				368	0.70 R	2.08
			360	4.28	1.16	247	4.08	.46				136	0.65	1.29
Meth: 131.99 PCT			300			095			Meth: 151.XX PPM			Avg		
<u>Water Soluble Magnes</u>			354			137			<u>Arsenic</u>			102		
<u>Other</u>			422			361			393			419		
234	1.41	.71	296	4.20	.52	368	3.89 R	.34	390	2.99	.90			
			419	4.18	.39	023	3.95	.19	Avg	1.66		Meth: 191.30 PPM		
			009	4.18	.38	390	3.95	.18	368	1.03 R	-.78	Chromium		
Meth: 131.XX PCT			291			389			136			<u>ICP</u>		
<u>Water Soluble Magnes</u>			Avg			232			231			393		
309	1.57	1.20	363	4.10	-.09	Avg	3.87					096	41.00	1.29
027	1.54	.89	247	4.08	-.27	255	3.85	-.14	Meth: 165.99 PCT			368		
Avg	1.42		137	4.05	-.43	029	3.56	-.74	<u>Acid Soluble Boron</u>			009		
234	1.41	-.25	361	4.05	-.47	055	3.41	-1.07	<u>Other</u>			037		
029	1.31	-.93	023	3.95	-1.07	397	3.35	-1.21	422	0.030 R	2.52	419		
432	1.30	-1.15	390	3.95	-1.10	324	3.28	-1.36	354	0.020	1.29	Avg		
			389	3.93	-1.21	073	3.20	-1.55	Avg	0.007		102		
Meth: 144.01 PCT			232			102			324			232		
<u>Sulfur</u>			368			027			232			247		
<u>Gravimetric</u>			255			114			027			027		
296	4.23	1.99	255	3.85	-1.73	043	2.98	-2.05	Meth: 181.00 PPM			Meth: 191.99 PPM		
095	4.05	1.55	027	3.17 s	-5.94	393	1.93 s	-4.46	<u>Cadmium</u>			Chromium		
029	3.56	.34	393	1.93 s	-13.65				<u>Atomic Absorption</u>			<u>Other</u>		
Avg	3.43								136	0.65	.71	231		
055	3.41	-.07	Meth: 144.XX PCT			Meth: 151.00 PPM			Meth: 181.30 PPM			Meth: 191.XX PPM		
397	3.35	-.27	<u>Sulfur</u>			<u>Arsenic</u>			<u>Cadmium</u>			<u>Chromium</u>		
324	3.28	-.38	117	4.42	1.24	136	0.30	.00	<u>ICP</u>			393		
073	3.20	-.59	292	4.37	1.13				393	21.07 S	43.70	096		
102	3.18	-.64	157	4.36	1.11	Meth: 151.30 PPM			368			368		
114	3.10	-.84	360	4.28	.95	<u>Arsenic</u>			Avg			009		
043	2.98	-1.15	300	4.24	.85	<u>ICP</u>			102			037		
			296	4.23	.82	393	3.10	.60	419	0.00	-.50	419		
Meth: 144.02 PCT			354			390			419			231		
<u>Sulfur</u>			422			Avg						Avg		
<u>Gravimetric</u>			296			368						102		
292	4.37	.00	419	4.18	.70							32.35		
			009	4.18	.69							30.00		

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 191.XX PPM Chromium</u>			<u>Meth: 221.00 PCT Acid Soluble Copper Atomic Absorption</u>			<u>Meth: 221.XX PCT Acid Soluble Copper</u>			<u>Meth: 241.XX PCT Acid Soluble Iron</u>			<u>Meth: 251.XX PPM Lead</u>		
232	25.70	-1.04	043	0.0015	.87	433	0.0016 R	.52	422	0.13 s	4.79	419	0.75	-.52
247	25.50	-1.06	Avg	0.0007		102	0.0015	.36	354	0.09	2.19	390	0.51	-.58
027	20.68	-1.80	262	0.0000	-.86	419	0.0015	.31	073	0.08	.83	<u>Meth: 261.30 PCT Acid Soluble Manganese ICP</u>		
<u>Meth: 202.30 PPM Acid Soluble Cobalt ICP</u>			<u>Meth: 221.30 PCT Acid Soluble Copper ICP</u>			296 0.0012 -.26			324 0.07 .35			422 0.035 s 70.53		
422	7.51 s	5.45	422	0.0350 s	107.87	232	0.0012	-.31	389	0.07	.27	419 0.019 S 34.72		
390	3.96	1.62	354	0.0045 S	9.82	009	0.0012	-.39	009	0.06	.16	096 0.004 1.32		
368	3.20 R	.86	041	0.0045 S	9.82	255	0.0012 R	-.47	027	0.07	.09	009 0.004 R .74		
009	3.20	.80	402	0.0020	1.74	247	0.0011	-.51	102	0.07	.08	041 0.004 .65		
296	2.60	.15	095	0.0020	1.74	262	0.0000	-2.78	096	0.06	-.35	102 0.004 .65		
Avg	2.46		433	0.0016 R	.57	<u>Meth: 241.00 PCT Acid Soluble Iron Atomic Absorption</u>			232	0.05	-1.01	247 0.004 .32		
232	1.75	-.77	102	0.0015	.25	073	0.08	.87	041	0.04	-2.15	Avg 0.004		
102	1.72	-.81	419	0.0015	.15	Avg	0.07		<u>Meth: 251.00 PPM Lead Atomic Absorption</u>			363 0.004 -.24		
419	1.55	-.99	Avg	0.0015		363	0.06	-.86	136 7.00 .89			232 0.003 -1.13		
<u>Meth: 202.99 PPM Acid Soluble Cobalt Other</u>			368 0.0014 -.16			<u>Meth: 241.30 PCT Acid Soluble Iron ICP</u>			Avg 4.08			354 0.003 -1.57		
393	4.06	.87	096	0.0014	-.16	422	0.13 s	4.57	296 1.15 -.84			<u>Meth: 261.99 PCT Acid Soluble Manganese Other</u>		
Avg	3.47		296	0.0012	-.72	354	0.09	2.12	<u>Meth: 251.30 PPM Lead ICP</u>			393 0.005 X .71		
231	2.87	-.86	232	0.0012	-.80	324	0.07	.39	393 10.10 1.29			<u>Meth: 261.XX PCT Acid Soluble Manganese</u>		
<u>Meth: 202.XX PPM Acid Soluble Cobalt</u>			009 0.0012 -.93			389 0.07 .31			Avg 3.79			422 0.035 s 73.00		
422	7.51 s	4.98	255	0.0012 R	-.97	009	0.06	.17	368 1.25 R -.53			419 0.019 s 35.88		
393	4.06	1.40	247	0.0011	-1.12	027	0.07	.15	419 0.75 -.62			393 0.005 R 2.75		
390	3.96	1.30	<u>Meth: 221.99 PCT Acid Soluble Copper Other</u>			102 0.07 .11			390 0.51 -.67			096 0.004 1.27		
368	3.20 R	.59	231	0.0016	.71	393	0.06	.03	<u>Meth: 251.XX PPM Lead</u>			009 0.004 .67		
009	3.20	.52	<u>Meth: 221.XX PCT Acid Soluble Copper</u>			Avg 0.06			393 10.10 1.89			102 0.004 .58		
231	2.87	.16	422	0.0350 s	70.11	096	0.06	-.26	136 7.00 R 1.12			041 0.004 .58		
Avg	2.71		354	0.0045 s	6.57	232	0.05	-.88	Avg 2.75			247 0.004 .23		
296	2.60	-.12	041	0.0045 s	6.57	041	0.04	-1.96	368 1.25 -.40			Avg 0.004		
232	1.75	-1.00	402	0.0020	1.34	<u>Meth: 241.30 PCT Acid Soluble Iron ICP</u>			296 1.15 -.41			363 0.004 -.34		
102	1.72	-1.03	095	0.0020	1.34	422	0.13 s	4.57	232 0.05 -.88			232 0.003 -1.27		
419	1.55	-1.21	231	0.0016	.53	354	0.09	2.12	041 0.04 -1.96			354 0.003 -1.73		

* 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: 281.30 PPM</u>			<u>Meth: 289.XX PPM</u>			<u>Meth: 291.XX PPM</u>			<u>Meth: 311.99 PCT</u>			<u>Meth: 321.30 PCT</u>		
Mercury			Molybdenum			Nickel			Sodium			Acid Soluble Zinc		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>Other</u>			<u>ICP</u>		
393	2.13	.71	247	1.96	-.67	368	19.95	.91	422	0.56	1.32	419	0.012	.05
			422	0.00	-2.37	231	18.70	.49	102	0.54	.94	096	0.012	.03
						296	18.00	.24	Avg	0.50		Avg	0.012	
<u>Meth: 289.30 PPM</u>			<u>Meth: 291.00 PPM</u>			393			363	0.48	-.45	433	0.011	-.05
Molybdenum			Nickel			Avg			009	0.46	-.81	390	0.012	-.06
<u>ICP</u>			<u>Atomic Absorption</u>			102			232	0.46	-1.01	009	0.011	-.13
393	6.65 S	4.85	136	20.00	1.00	102	16.86	-.43				389	0.010	-.38
433	4.42	1.95	Avg	19.00		247	14.00	-1.14	<u>Meth: 311.XX PCT</u>			232	0.010	-.44
368	3.45	.72	296	18.00	-.71	232	13.90	-1.19	<u>Sodium</u>			027	0.009	-.50
296	3.15	.31				027	11.08	-2.14	422	0.56	1.47	095	0.009	-.53
419	3.10	.23	<u>Meth: 291.30 PPM</u>			<u>Meth: 301.30 PPM</u>			102	0.54	1.12	363	0.009	-.57
232	2.95	.20	Nickel			Selenium			Avg	0.49		292	0.000	-2.77
009	3.05	.18	<u>ICP</u>			<u>ICP</u>			363	0.48	-.21	<u>Meth: 321.XX PCT</u>		
Avg	2.92		390	24.60 s	2.87	393	12.87	.87	009	0.46	-.55	<u>Acid Soluble Zinc</u>		
102	2.21	-.96	096	22.50 R	1.88	Avg	6.98		232	0.46	-.75	432	0.145 s	34.62
390	1.99	-1.21	009	20.20	1.09	368	1.10	-.87	262	0.44	-1.08	368	0.028 s	4.15
247	1.96	-1.25	037	20.02	1.03	<u>Meth: 301.99 PPM</u>			<u>Meth: 321.00 PCT</u>			422	0.020	2.03
			368	19.95	1.01	Selenium			Acid Soluble Zinc			354	0.020	2.03
<u>Meth: 289.99 PPM</u>			102	16.86	.37	<u>Other</u>			<u>Atomic Absorption</u>			262	0.015 R	1.47
Molybdenum			419	17.50	.28	231			0.76	1.01		037	0.015	.94
<u>Other</u>			393	17.56	.26	Avg			0.72			041	0.014	.45
231	3.84	.87	Avg	16.79		296			0.68	-.69		255	0.013	.33
Avg	1.92		247	14.00	-.89	<u>Meth: 301.XX PPM</u>			<u>Meth: 321.30 PCT</u>			402	0.013	.31
422	0.00	-.87	232	13.90	-.94	Selenium			Acid Soluble Zinc			296	0.012	.11
			027	11.08	-1.81	Avg			ICP			102	0.012	.06
<u>Meth: 289.XX PPM</u>			<u>Meth: 291.99 PPM</u>			231			0.76	1.01		Avg	0.012	
Molybdenum			Nickel			393			12.87	1.62		432	0.145 s	33.68
393	6.65 s	3.39	<u>Other</u>			Avg			3.85			368	0.028 s	4.07
433	4.42	1.46	231	18.70	.71	231			0.76	-.56		422	0.020	2.01
231	3.84	.95				296			0.68	-.57		354	0.020	2.01
368	3.45	.63	<u>Meth: 291.XX PPM</u>			<u>Meth: 311.00 PCT</u>			Sodium			037	0.015 R	.95
296	3.15	.36	Nickel			Selenium			Atomic Absorption			041	0.014	.47
419	3.10	.31	Avg			Avg			262			255	0.013	.36
009	3.05	.27	390	24.60 s	2.94	296			0.68	-.57		402	0.013	.34
232	2.95	.23	096	22.50 R	1.86	Meth: 311.00 PCT			296			296	0.012	.13
Avg	2.74		009	20.20	1.00	Sodium			102			102	0.012	.10
102	2.21	-.49	136	20.00	.99	Atomic Absorption								
390	1.99	-.65	037	20.02	.93	262			0.44	.00				

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

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 321.XX PCT											
<u>Acid Soluble Zinc</u>											
363	0.009	-.63									
292	0.000	-2.89									
Meth: 325.30 PCT											
<u>Water Soluble Zinc</u>											
<u>ICP</u>											
247	0.005	.71									

* 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	8	3.26	9.28	0.08	101.30	29	- 0.09	1.95	0.53
001.XX	9	2.91	8.77	0.07	101.99	4	- 2.54	5.10	0.68
002.99	2	0.00	1.20	0.17	101.XX	42	- 0.14	1.81	0.46
002.XX	2	0.00	1.20	0.17	121.00	11	0.27	1.22	0.63
003.10	2	0.00	0.71	0.71	121.30	32	0.10	1.20	0.27
003.XX	3	0.00	1.10	0.17	121.99	3	0.00	1.10	0.16
009.XX	2	0.00	1.22	0.01	121.XX	45	0.14	1.18	0.34
010.11	7	- 0.42	1.46	0.10	131.00	2	0.00	1.19	0.21
010.12	5	0.00	0.93	0.46	131.30	2	0.00	1.14	0.31
010.60	50	- 0.25	2.29	0.47	131.XX	5	0.00	1.01	0.30
010.99	6	0.39	1.34	0.24	144.01	10	0.00	1.02	0.11
010.XX	66	- 0.10	1.30	0.24	144.99	22	- 0.95	3.24	0.30
020.10	3	0.00	0.99	0.43	144.XX	32	- 0.16	1.25	0.11
020.20	14	1.17	3.36	0.10	151.30	3	0.00	0.96	0.46
020.40	5	1.07	2.44	0.70	151.XX	5	- 0.09	0.95	0.29
020.50	12	- 0.58	2.21	0.29	165.99	4	0.577	1.471	0.509
020.99	3	0.00	1.05	0.32	165.XX	4	0.577	1.471	0.509
020.XX	36	0.32	3.19	0.28	181.30	4	10.92	21.86	0.58
030.XX	4	0.00	1.07	0.11	181.XX	5	12.83	27.91	0.74
040.XX	4	0.00	1.08	0.05	191.30	10	0.45	1.73	0.13
041.10	11	- 0.96	2.12	0.27	191.XX	11	0.43	1.74	0.13
041.20	3	0.00	0.55	0.80	202.30	8	0.78	2.10	0.13
041.40	5	0.26	1.09	0.59	202.99	2	0.00	1.22	0.09
041.50	11	0.22	1.22	0.21	202.XX	10	0.55	1.81	0.12
041.60	8	1.06	3.13	0.32	221.00	2	0.0000	1.2233	0.0422
041.XX	34	- 0.18	1.27	0.58	221.30	15	8.3728	27.426	4.1510
048.20	5	0.00	1.06	0.07	221.XX	18	4.5796	16.322	2.4562
048.XX	6	- 0.09	0.98	0.07	241.00	2	0.00	1.22	0.09
050.00	8	- 3.94	5.75	0.46	241.30	11	0.42	1.68	0.11
050.30	6	0.00	1.04	0.13	241.XX	13	0.37	1.65	0.11
050.50	10	1.75	3.84	0.38	251.00	2	0.00	1.19	0.21
050.51	9	- 0.61	2.06	0.16	251.30	4	- 0.13	0.95	0.05
050.60	4	0.00	1.07	0.12	251.XX	6	0.18	1.05	0.12
050.61	10	0.94	3.29	0.60	261.30	10	10.509	23.470	3.530
050.99	16	0.03	0.97	0.26	261.XX	11	10.064	23.204	3.489
050.XX	61	- 0.32	2.58	0.44	289.30	10	0.49	1.81	0.13
060.00	6	0.02	0.94	0.32	289.99	2	0.00	1.22	0.02
060.XX	7	- 0.04	0.96	0.18	289.XX	12	0.28	1.38	0.08
101.00	10	0.00	0.98	0.30	291.00	2	0.00	1.00	0.50

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
291.30	11	0.39	1.27	0.48					
291.XX	14	0.31	1.22	0.47					
301.30	2	0.00	1.22	0.02					
301.99	2	0.00	0.88	0.60					
301.XX	4	0.00	1.08	0.02					
311.99	5	0.00	1.06	0.06					
311.XX	6	0.00	1.05	0.05					
321.00	2	0.000	0.601	0.755					
321.30	21	1.748	7.027	2.365					
321.XX	23	1.633	6.910	2.340					