

- Pass 1 Results for 68 Labs - - Pass 2 Results for 68 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	6	9.24	0.28	0.08	6	9.24	0.28	0.08
Ammoniacal Nitrogen, Other		001.99	3	9.14	0.26	0.13	3	9.14	0.26	0.13
Method Group 001.XX PCT			9	9.20	0.27	0.10	9	9.20	0.27	0.10
Nitrogen From Urea, Urease (as N)	959.03	005.00	1	9.08	0.05	0.06	1	9.08	0.05	0.06
Nitrogen From Urea, Other		005.99	3	9.09	0.76	0.32	3	9.09	0.76	0.32
Method Group 005.XX PCT			4	9.09	0.64	0.25	4	9.09	0.64	0.25
Percent Urea, Urease (as Urea)	959.03	007.00	1	9.02	0.01	0.01	1	9.02	0.01	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	2	10.49	1.14	0.53	2	10.49	1.14	0.53
Total Nitrogen, Modified Comprehensive	978.02	010.11	9	18.63	0.17	0.07	9	18.63	0.17	0.07
Total Nitrogen, Salicylic	955.04D	010.12	2	18.74	0.24	0.21	2	18.74	0.24	0.21
Total Nitrogen, Combustion		010.60	48	18.80	0.22	0.11	45	18.82	0.21	0.08
Total Nitrogen, Other		010.99	1	18.58	0.01	0.02	1	18.58	0.01	0.02
Method Group 010.XX PCT			60	18.77	0.22	0.10	57	18.78	0.21	0.08
Total Phosphate, Grav Quimociac	962.02	020.10	10	24.74	0.27	0.13	10	24.74	0.27	0.13
Total Phosphate, Spectrometric	958.01	020.20	8	24.67	0.50	0.43	7	24.64	0.41	0.25
Total Phosphate, Alka Quimociac	969.02	020.30	1	24.94	0.02	0.03	1	24.94	0.02	0.03
Total Phosphate, Automated	978.01	020.40	7	24.57	0.41	0.16	7	24.57	0.41	0.16
Total Phosphate, ICP		020.50	9	24.54	0.45	0.18	9	24.54	0.45	0.18
Total Phosphate, Other		020.99	1	24.90	0.04	0.06	1	24.90	0.04	0.06
Method Group 020.XX PCT			36	24.65	0.40	0.21	33	24.70	0.30	0.13
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.08	0.00	0.00	1	0.08	0.00	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.05	0.01	0.01	1	0.05	0.01	0.01
Insoluble Phosphate, Other		030.99	1	0.03	0.01	0.02	1	0.03	0.01	0.02
Method Group 030.XX PCT			3	0.05	0.02	0.01	3	0.05	0.02	0.01
InDir Available Phosphate, Spectrometri	960.02	040.20	1	24.79	0.05	0.07	1	24.79	0.05	0.07
InDir Available Phosphate, Automated ..	960.02	040.40	2	24.75	0.09	0.12	2	24.75	0.09	0.12
InDir Available Phosphate, ICP		040.50	2	24.34	0.65	0.03	2	24.34	0.65	0.03
InDir Available Phosphate, Other		040.99	1	22.75	0.23	0.32	1	22.75	0.23	0.32
Method Group 040.XX PCT			6	24.28	0.82	0.12	6	24.28	0.82	0.12
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	9	24.65	0.19	0.06	9	24.65	0.19	0.06
Dir Available Phosphate, Automated	978.01	041.40	4	24.50	0.50	0.48	4	24.50	0.50	0.48
Dir Available Phosphate, ICP		041.50	8	24.41	0.48	0.27	8	24.41	0.48	0.27
Dir Available Phosphate, EDTA Extract .	993.01	041.60	11	24.78	0.36	0.16	10	24.79	0.36	0.12
Dir Available Phosphate, Other		041.99	2	23.96	0.66	0.18	2	23.96	0.66	0.18
Method Group 041.XX PCT			34	24.58	0.44	0.20	32	24.59	0.43	0.16
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	20.58	0.48	0.68	1	20.58	0.48	0.68
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	21.40	0.52	0.25	3	21.40	0.52	0.25
Water Soluble Phosphate, ICP		048.50	1	21.29	0.16	0.22	1	21.29	0.16	0.22
Water Soluble Phosphate, Other		048.99	1	22.00	0.04	0.06	1	22.00	0.04	0.06

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Method Group 048.XX PCT			6	21.34	0.58	0.29	6	21.34	0.58	0.29
Soluble Potash, STPB Oxalate	958.02	050.00	10	6.59	0.17	0.05	10	6.59	0.17	0.05
Soluble Potash, STPB Citrate	969.04	050.10	2	6.53	0.24	0.23	2	6.53	0.24	0.23
Soluble Potash, AA (Oxalate)		050.30	4	6.40	0.16	0.07	4	6.40	0.16	0.07
Soluble Potash, AA (Citrate)		050.31	1	6.36	0.06	0.08	1	6.36	0.06	0.08
Soluble Potash, ICP (Oxalate)		050.50	8	6.32	0.24	0.10	7	6.32	0.25	0.06
Soluble Potash, ICP (Citrate)		050.51	11	6.57	0.28	0.06	11	6.57	0.28	0.06
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	3	6.30	0.39	0.04	3	6.30	0.39	0.04
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	7	6.63	0.28	0.17	7	6.63	0.28	0.17
Soluble Potash, Other		050.99	22	6.54	0.37	0.18	21	6.57	0.34	0.16
Method Group 050.XX PCT			68	6.51	0.30	0.12	63	6.52	0.29	0.09
Free Water, Vacuum Oven	965.08B	060.00	4	1.70	0.09	0.09	4	1.70	0.09	0.09
Free Water, Karl Fischer	972.01	060.20	1	1.74	0.03	0.04	1	1.74	0.03	0.04
Method Group 060.XX PCT			5	1.71	0.08	0.08	4	1.70	0.05	0.03
Acid Soluble Calcium, AA	945.04	101.00	1	5.92	0.08	0.11	1	5.92	0.08	0.11
Acid Soluble Calcium, ICP		101.30	13	5.86	0.58	0.17	12	5.87	0.59	0.13
Acid Soluble Calcium, Other		101.99	1	6.12	0.09	0.13	1	6.12	0.09	0.13
Method Group 101.XX PCT			15	5.88	0.54	0.16	14	5.89	0.55	0.13
Acid Soluble Magnesium, AA	984.01	121.00	1	0.40	0.00	0.00	1	0.40	0.00	0.00
Acid Soluble Magnesium, ICP		121.30	13	0.55	0.04	0.02	12	0.54	0.04	0.01
Acid Soluble Magnesium, Other		121.99	1	0.40	0.01	0.01	1	0.40	0.01	0.01
Method Group 121.XX PCT			16	0.54	0.07	0.02	15	0.53	0.07	0.01
Sulfur, Gravimetric	980.02a	144.01	1	0.83	0.01	0.02	1	0.83	0.01	0.02
Sulfur, Gravimetric	980.02b	144.02	1	0.88	0.00	0.00	1	0.88	0.00	0.00
Sulfur, Spectrometric		144.70	1	0.95	0.01	0.02	1	0.95	0.01	0.02
Sulfur, Other		144.99	12	0.85	0.10	0.01	12	0.85	0.10	0.01
Method Group 144.XX PCT			15	0.86	0.10	0.01	15	0.86	0.10	0.01
Arsenic, Atomic Absorption		151.00	1	6.30	0.28	0.40	1	6.30	0.28	0.40
Arsenic, ICP		151.30	8	5.84	0.50	0.26	7	5.80	0.45	0.10
Arsenic, Other		151.99	1	4.92	0.00	0.00	1	4.92	0.00	0.00
Method Group 151.XX PPM			10	5.79	0.56	0.24	9	5.75	0.53	0.12
Acid Soluble Boron, Spectrometric	982.01	165.00	1	0.003	0.000	0.000	1	0.003	0.000	0.000
Acid Soluble Boron, Other		165.99	1	0.016	0.004	0.005	1	0.016	0.004	0.005
Method Group 165.XX PCT			2	0.009	0.008	0.003	2	0.009	0.008	0.003
Cadmium, Atomic Absorption		181.00	1	2.05	0.07	0.10	1	2.05	0.07	0.10
Cadmium, ICP		181.30	13	2.14	0.48	0.07	12	2.18	0.47	0.05
Cadmium, Other		181.99	1	1.91	0.00	0.00	1	1.91	0.00	0.00
Method Group 181.XX PPM			15	2.12	0.45	0.07	14	2.15	0.44	0.05
Chromium, Atomic Absorption		191.00	1	48.23	2.43	3.44	1	48.23	2.43	3.44

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Chromium, ICP		191.30	11	48.33	5.41	1.55	11	48.33	5.41	1.55
Chromium, Other		191.99	1	26.55	0.64	0.90	1	26.55	0.64	0.90
Method Group 191.XX PPM			13	46.65	7.74	1.64	13	46.65	7.74	1.64
Acid Soluble Cobalt, ICP	965.11	202.30	8	2.91	0.74	0.14	7	2.75	0.62	0.05
Acid Soluble Cobalt, Other		202.99	1	1.36	0.07	0.10	1	1.36	0.07	0.10
Method Group 202.XX PPM			9	2.74	0.85	0.13	8	2.58	0.75	0.06
Acid Soluble Copper, Atomic Absorption	975.01	221.00	1	0.0005	0.0000	0.0001	1	0.0005	0.0000	0.0001
Acid Soluble Copper, ICP		221.30	8	0.0002	0.0001	0.0000	7	0.0001	0.0001	0.0000
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			10	0.0002	0.0002	0.0000	9	0.0002	0.0001	0.0000
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	1	0.54	0.01	0.01	1	0.54	0.01	0.01
Acid Soluble Iron, ICP		241.30	15	0.52	0.05	0.01	13	0.53	0.04	0.00
Acid Soluble Iron, Other		241.99	1	0.53	0.04	0.05	1	0.53	0.04	0.05
Method Group 241.XX PCT			17	0.52	0.04	0.01	15	0.53	0.04	0.01
Lead, Atomic Absorption		251.00	1	1.00	0.00	0.00	1	1.00	0.00	0.00
Lead, ICP		251.30	6	1.87	1.46	0.20	5	1.32	0.73	0.06
Lead, Other		251.99	1	1.26	0.05	0.07	1	1.26	0.05	0.07
Method Group 251.XX PPM			8	1.68	1.29	0.16	7	1.26	0.62	0.05
Acid Soluble Manganese, AA	972.02b	261.11	1	0.017	0.002	0.003	1	0.017	0.002	0.003
Acid Soluble Manganese, ICP	972.02a	261.30	12	0.018	0.002	0.001	10	0.019	0.001	0.000
Acid Soluble Manganese, Other		261.99	1	0.016	0.003	0.004	1	0.016	0.003	0.004
Method Group 261.XX PCT			14	0.018	0.002	0.001	13	0.018	0.002	0.001
Mercury, ICP		281.30	1	0.05	0.05	0.07	1	0.05	0.05	0.07
Mercury, Other		281.99	1	0.28	0.00	0.00	1	0.28	0.00	0.00
Method Group 281.XX PPM			2	0.16	0.14	0.04	2	0.16	0.14	0.04
Molybdenum, ICP		289.30	11	8.50	0.72	0.15	11	8.50	0.72	0.15
Molybdenum, Other		289.99	1	9.41	0.09	0.13	1	9.41	0.09	0.13
Method Group 289.XX PPM			12	8.58	0.73	0.15	12	8.58	0.73	0.15
Nickel, ICP		291.30	13	12.13	2.62	0.60	12	12.14	2.69	0.36
Nickel, Other		291.99	1	6.60	0.28	0.39	1	6.60	0.28	0.39
Method Group 291.XX PPM			14	11.74	2.91	0.59	13	11.71	2.98	0.36
Selenium, ICP		301.30	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Selenium, Other		301.99	1	0.50	0.05	0.07	1	0.50	0.05	0.07
Method Group 301.XX PPM			2	0.25	0.29	0.04	2	0.25	0.29	0.04
Sodium, Atomic Absorption	983.04	311.00	1	0.21	0.01	0.02	1	0.21	0.01	0.02
Sodium, Other		311.99	6	0.19	0.04	0.01	5	0.18	0.03	0.01
Method Group 311.XX PCT			7	0.20	0.03	0.01	7	0.20	0.03	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	3	0.005	0.001	0.000	3	0.005	0.001	0.000
Acid Soluble Zinc, ICP		321.30	18	0.004	0.001	0.000	16	0.004	0.001	0.000

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Acid Soluble Zinc, Other		321.99	2	0.004	0.001	0.001	2	0.004	0.001	0.001
Method Group 321.XX PCT			23	0.004	0.001	0.000	22	0.004	0.001	0.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 005.99 PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.XX PCT		
Ammoniacal Nitrogen			Nitrogen From Urea			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			<u>Other</u>			<u>Modified Comprehensi</u>			<u>Combustion</u>					
258	11.81 S	9.33	309	9.91	1.09	470	18.31	-1.88	177	18.86	.28	007	19.10	1.50
090	9.53	1.06	Avg	9.09					483	18.84	.15	025	19.06	1.31
481	9.43	.82	027	9.07	-.15	Meth: 010.12 PCT			Avg	18.82		043	19.06	1.29
309	9.41	.69	481	8.29	-1.13	Total Nitrogen			037	18.80	-.11	324	19.00	1.03
Avg	9.24		Meth: 005.XX PCT			<u>Salicylic</u>			041	18.81	-.15	049	18.99	1.01
486	9.23	-.04	Nitrogen From Urea			254	18.92	.90	233	18.79	-.16	451	18.99	.99
444	9.04	-.73	309	9.91	1.30	Avg	18.74		247	18.77	-.27	275	18.97	.90
230	8.78	-1.64	Avg	9.09		185	18.56	-.83	390	18.79	-.31	136	18.93	.90
Meth: 001.99 PCT			368	9.08	-.05	Meth: 010.60 PCT			488	18.75	-.40	055	18.97	.88
Ammoniacal Nitrogen			027	9.07	-.18	Total Nitrogen			354	18.71	-.52	406	18.97	.87
<u>Other</u>			481	8.29	-1.34	<u>Combustion</u>			486	18.78	-.55	292	18.97	.87
307	18.52 S	36.24	Meth: 007.00 PCT			325	19.45 s	3.50	402	18.69	-.64	254	18.92	.87
096	9.41	1.08	Percent Urea			023	19.18	1.78	444	18.68	-.69	230	18.95	.83
Avg	9.14		<u>Urease (as Urea)</u>			450	19.10	1.45	443	18.70	-.74	360	18.95	.83
027	9.12	-.08	486	9.02	.71	007	19.10	1.37	389	18.60	-1.05	073	18.95	.78
368	8.88	-1.15	Meth: 009.10 PCT			025	19.06	1.18	291	18.59	-1.12	095	18.93	.71
Meth: 001.XX PCT			Ammon & Nitrate N			043	19.06	1.15	029	18.55	-1.32	040	18.90	.56
<u>Ammoniacal Nitrogen</u>			<u>Devarda</u>			324	19.00	.89	157	18.55	-1.48	231	18.89	.50
307	18.52 s	34.76	258	11.40	.92	049	18.99	.87	368	18.68 R	-1.55	096	18.88	.49
258	11.81 s	9.79	Avg	10.49		451	18.99	.84	105	18.50	-1.65	177	18.86	.42
090	9.53	1.22	444	9.57	-.80	136	18.93	.80	042	18.45	-1.79	018	18.85	.40
481	9.43	.95	Meth: 010.11 PCT			275	18.97	.76	495	18.45	-1.81	102	18.85	.40
309	9.41	.83	Total Nitrogen			377	18.97	.76	472	18.40	-2.07	474	18.84	.34
096	9.41	.80	<u>Modified Comprehensi</u>			055	18.97	.73	027	18.51 R	-2.11	483	18.84	.29
486	9.23	.09	474	18.84	1.21	406	18.97	.72	482	18.50 R	-2.11	390	18.79	.26
Avg	9.20		292	18.97	.72	Meth: 010.99 PCT			035	18.38	-2.12	041	18.81	.20
027	9.12	-.31	230	18.95	.69	Total Nitrogen						037	18.80	.07
444	9.04	-.64	360	18.95	.69	<u>Other</u>						233	18.79	.03
368	8.88	-1.33	073	18.95	.63	460			18.58			.71		
230	8.78	-1.58	095	18.93	.57	Meth: 010.XX PCT						Avg		
Meth: 005.00 PCT			416	18.72	.53	Total Nitrogen						18.78		
Nitrogen From Urea			Avg	18.63		325			19.45 s			3.56		
<u>Urease (as N)</u>			371	18.61	-.46	023			19.18			1.90		
368	9.08	-.71	309	18.57	-.63	450			19.10			1.58		
			211	18.43	-1.16	018						402		
						102						18.69		
												-.45		

* 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: 020.20 PCT			Meth: 020.50 PCT			Meth: 020.XX PCT			Meth: 030.XX PCT		
<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>		
486	18.78	-.50	<u>Spectrometric</u>			<u>ICP</u>			096	24.75	.24	474	0.08	1.18
444	18.68	-.50	450	24.92 R	2.13	482	24.65	.27	444	24.72	.08	Avg	0.05	
443	18.70	-.61	324	25.00	.91	Avg	24.54		Avg	24.70		096	0.05	-.34
389	18.60	-.85	406	24.93	.76	390	24.41	-.39	371	24.68	-.08	247	0.03	-1.00
371	18.61	-.90	258	24.69	.19	444	24.52	-.66	231	24.67	-.14			
291	18.59	-.92	231	24.67	.10	402	24.16	-.84	258	24.69	-.22	Meth: 040.20 PCT		
460	18.58	-.95	371	24.68	.09	307	23.59	-2.18	482	24.65	-.24	InDir Available Phos		
309	18.57	-1.08	Avg	24.64		368	23.86 S	-2.31	292	24.63	-.25	<u>Spectrometri</u>		
029	18.55	-1.11	292	24.63	-.03	451	23.16 S	-3.38	157	24.55	-.53	474	24.79	.71
185	18.56	-1.12	481	23.89	-2.25	157	22.85 S	-3.83	095	24.45	-.95			
157	18.55	-1.30	309	22.40 s	-6.55				042	24.45	-.98	Meth: 040.40 PCT		
368	18.68 R	-1.44				Meth: 020.99 PCT			035	24.41	-1.05	InDir Available Phos		
105	18.50	-1.45	Meth: 020.30 PCT			Total Phosphate			390	24.41	-1.07	<u>Automated</u>		
042	18.45	-1.58	Total Phosphate			<u>Other</u>			444	24.52	-1.17	247	24.79	1.00
495	18.45	-1.60	<u>Alka Quimociac</u>			460	24.90	.71	322	24.30	-1.34	Avg	24.75	
211	18.43	-1.65	416	24.94	-.71				402	24.16	-1.82	096	24.71	-.71
472	18.40	-1.85				Meth: 020.XX PCT			025	23.75	-3.23			
035	18.38	-1.89	Meth: 020.40 PCT			<u>Total Phosphate</u>			481	23.89 R	-3.31	Meth: 040.50 PCT		
482	18.50 R	-1.94	Total Phosphate			495	26.68 s	6.69	307	23.59 A	-3.84	InDir Available Phos		
027	18.51 R	-1.94	<u>Automated</u>			483	26.42 s	5.95	368	23.86 s	-3.88	<u>ICP</u>		
470	18.31	-2.24	470	24.96	.96	450	24.92 R	2.92	451	23.16 s	-5.62	247	24.90	.87
481	17.91 s	-4.12	105	24.83	.66	211	25.20	1.69	157	22.85 s	-6.35	Avg	24.34	
			247	24.82	.63	324	25.00	1.07	309	22.40 s	-9.32	488	23.77	-.87
			096	24.75	.47	041	24.96	1.03						
Meth: 020.10 PCT			Avg	24.57		406	24.93	.88	Meth: 030.20 PCT			Meth: 040.99 PCT		
Total Phosphate			042	24.45	-.46	470	24.96	.86	Insoluble Phosphate			InDir Available Phos		
<u>Grav Quimociac</u>			035	24.41	-.47	416	24.94	.80	<u>Spectrometric</u>			<u>Other</u>		
211	25.20	1.68	025	23.75	-2.02	247	24.93	.78	474	0.08	.71	275	22.75	.71
041	24.96	.99				105	24.82	.76						
105	24.82	.77	Meth: 020.50 PCT			460	24.90	.68	Meth: 030.40 PCT			Meth: 040.XX PCT		
470	24.90	.56	Total Phosphate			470	24.90	.66	Insoluble Phosphate			InDir Available Phos		
090	24.81	.28	<u>ICP</u>			291	24.89	.63	<u>Automated</u>			247	24.90	.75
493	24.75	.19	495	26.68 S	4.77	474	24.87	.57	096	0.05	.71	247	24.79	.62
Avg	24.74		483	26.42 S	4.27	389	24.85	.54				474	24.79	.61
444	24.72	-.10	247	24.93	.87	105	24.83	.47	Meth: 030.99 PCT			096	24.71	.52
157	24.55	-.74	291	24.89	.77	247	24.82	.45	Insoluble Phosphate			Avg	24.28	
095	24.45	-1.19	474	24.87	.73	090	24.81	.39	<u>Other</u>			488	23.77	-.62
322	24.30	-1.64	389	24.85	.70	493	24.75	.24	247	0.03	.71	275	22.75	-1.88

* 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: 041.60 PCT			Meth: 041.XX PCT			Meth: 048.50 PCT			Meth: 050.10 PCT					
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>					
<u>Grav Quimociac</u>			<u>EDTA Extract</u>			<u>ICP</u>			<u>ICP</u>			<u>STPB Citrate</u>					
254	25.01	1.84	029	25.46	1.85	105	24.72	.31	444	21.29	.71	Avg	6.53				
485	24.83	.92	105	25.21	1.15	377	24.65	.14				117	6.39	-.62			
040	24.75	.57	233	24.91	.62	049	24.60	.12	Meth: 048.99 PCT			Meth: 050.30 PCT					
105	24.72	.35	231	24.90	.28	102	24.60	.03	<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>					
Avg	24.65		018	24.80	.28	Avg	24.59		<u>Other</u>			<u>AA (Oxalate)</u>					
102	24.60	-.27	Avg	24.79		177	24.52	-.15	247	22.00	.71	136	6.55	.92			
049	24.60	-.38	136	24.79	-.05	177	24.45	-.34	Meth: 048.XX PCT			040	6.45	.45			
177	24.52	-.68	037	24.74	-.19	486	24.45	-.39	<u>Water Soluble Phosph</u>			157	6.44	.29			
055	24.50	-.83	177	24.45	-.98	105	24.51	-.45	247	22.00	1.14	Avg	6.40				
185	24.36	-1.56	117	24.60 R	-1.00	185	24.36	-.54	096	21.91	.98	185	6.15	-1.54			
			486	24.45	-1.00	043	24.26	-.75	474	21.46	.53	Meth: 050.31 PCT					
			043	24.26	-1.49	023	24.27	-.76	Avg	21.34		<u>Soluble Potash</u>					
Meth: 041.40 PCT			Meth: 041.99 PCT			007			24.25	-.85		<u>AA (Citrate)</u>					
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			095			24.22	-.98	444	21.29	-.21				
<u>Automated</u>			<u>Other</u>			027			24.41 R	-1.32	309	20.83	-.91				
472	25.10	1.23	105	24.51	.89	360	23.91	-1.60	444	20.58	-1.45	472	6.36	.71			
Avg	24.50		Avg	23.96		368	23.60	-2.31	Meth: 050.00 PCT			Avg	6.36				
023	24.27	-.50	230	23.40	-.84	230	23.40	-2.73	<u>Soluble Potash</u>			254	5.00 S	-24.04			
095	24.22	-.71				354	21.54 s	-7.02	<u>STPB Oxalate</u>			Meth: 050.50 PCT					
027	24.41	-1.11							230	7.52 s	5.89	<u>Soluble Potash</u>					
Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 048.10 PCT			090	6.96	2.12	<u>ICP (Oxalate)</u>					
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			416	6.72	.75	354	6.55	.97			
<u>ICP</u>			<u>Grav Quimociac</u>			<u>Grav Quimociac</u>			247	6.70	.65	444	6.53	.92			
055	24.82	.97	029	25.46	2.01	444	20.58	.71	Avg	6.59		292	6.50	.75			
023	24.86	.94	105	25.21	1.43				231	6.57	-.10	324	6.48	.67			
007	24.45	.74	472	25.10	1.21	Meth: 048.20 PCT			470	6.56	-.19	Avg	6.32				
043	24.73	.68	254	25.01	.97	<u>Water Soluble Phosph</u>			055	6.57	-.19	390	6.32 R	-.75			
377	24.65	.50	233	24.91	.87	<u>Spectrometric</u>			049	6.56	-.43	055	6.09	-.92			
Avg	24.41		055	24.82	.73				211	6.50	-.50	488	6.05	-1.14			
325	24.25	-.46	231	24.90	.71				258	6.45	-.91	157	6.01	-1.25			
360	23.91	-1.10	117	24.60	.69				102	6.30	-1.64	406	4.93 s	-5.70			
368	23.60	-1.73	023	24.86	.63				Meth: 050.10 PCT			Meth: 050.51 PCT					
354	21.54 s	-6.02	485	24.83	.56				<u>Soluble Potash</u>			<u>Soluble Potash</u>					
			018	24.80	.55				<u>STPB Citrate</u>			<u>ICP (Citrate)</u>					
			136	24.79	.46				444	6.68	1.06	291	7.07	1.75			
			040	24.75	.40												
			037	24.74	.36												
			043	24.73	.34												

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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: 060.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Free Water		
<u>ICP (Citrate)</u>			<u>Other</u>			018 6.71 .70			105 6.37 -.52			416 1.76 R 3.08		
023	6.93	1.26	474	6.99	1.24	483	6.72	.70	307	6.39	-.53	371	1.74	.96
483	6.72	.56	368	6.86	1.16	042	6.65	.68	472	6.36	-.55	096	1.73	.64
389	6.70	.47	275	6.82	.71	416	6.72	.68	325	6.35	-.59	Avg	1.70	
495	6.62	.20	450	6.73	.59	177	6.71	.66	102	6.30	-.73	007	1.70	-.51
043	6.57	.07	042	6.65	.49	470	6.71	.64	131	6.49 R	-.79	247	1.63	-1.38
Avg	6.57		177	6.71	.40	247	6.70	.63	485	6.27	-.85			
377	6.48	-.32	402	6.68	.32	389	6.70	.63	390	6.32	-.93	Meth: 101.00 PCT		
233	6.45	-.41	482	6.60	.12	402	6.68	.56	451	6.41 R	-1.05	Acid Soluble Calcium		
007	6.41	-.59	Avg	6.57		495	6.62	.36	460	6.16	-1.22	<u>AA</u>		
485	6.27	-1.06	247	6.54	-.09	482	6.60	.30	185	6.15	-1.26	105	5.92	.71
486	6.04	-1.88	481	6.47	-.30	049	6.56	.28	055	6.09	-1.45	Meth: 101.30 PCT		
			360	6.39	-.53	444	6.53	.24	043	6.10	-1.48	Acid Soluble Calcium		
Meth: 050.60 PCT			105	6.38	-.58	043	6.57	.20	488	6.05	-1.62	<u>ICP</u>		
Soluble Potash			307	6.39	-.59	055	6.57	.19	486	6.04	-1.65	096	7.09	2.05
<u>Flame (Oxalate)</u>			325	6.35	-.66	231	6.57	.18	157	6.01	-1.72	495	6.66	1.37
470	6.71	1.03	131	6.49	-.71	470	6.56	.13	025	5.95	-1.94	483	6.38	.85
105	6.37	.17	451	6.41	-.97	354	6.55	.13	027	5.96 R	-2.26	Avg	5.87	
Avg	6.30		460	6.16	-1.20	136	6.55	.11	443	5.84	-2.30	247	5.87	-.03
443	5.84	-1.19	043	6.10	-1.42	247	6.54	.08	254	5.00 s	-5.15	035	5.82	-.08
			025	5.95	-1.82	Avg	6.52		406	4.93 s	-5.44	472	5.85	-.09
Meth: 050.61 PCT			027	5.96 R	-2.07	211	6.50	-.05	Meth: 060.00 PCT			482	5.86	-.16
Soluble Potash						292	6.50	-.09	Free Water			102	5.63	-.41
<u>Flame (Citrate)</u>			Meth: 050.XX PCT			324	6.48	-.12	<u>Vacuum Oven</u>			131	5.78 R	-.55
095	7.13	1.90	<u>Soluble Potash</u>			377	6.48	-.14	416	1.76	1.64	389	5.52	-.59
029	6.80	.83	230	7.52 s	3.72	481	6.47	-.16	096	1.73	.31	307	5.50	-.68
018	6.71	.42	322	7.34	2.79	233	6.45	-.23	Avg	1.70		474	5.45	-.71
Avg	6.63		095	7.13	2.14	035	6.48	-.24	007	1.70	-.29	354	4.82	-1.77
035	6.48	-.58	291	7.07	1.87	037	6.46	-.25	247	1.63	-.79	Meth: 101.99 PCT		
037	6.46	-.63	309	7.01	1.66	157	6.44	-.27	Meth: 060.20 PCT			Acid Soluble Calcium		
041	6.43	-.79	474	6.99	1.63	040	6.45	-.28	Free Water			<u>Other</u>		
105	6.40	-.82	090	6.96	1.50	258	6.45	-.35	<u>Karl Fischer</u>			105	6.12	-.71
			368	6.86 R	1.49	105	6.40	-.40	371	1.74	.71			
Meth: 050.99 PCT			023	6.93	1.40	007	6.41	-.41						
Soluble Potash			029	6.80	1.09	041	6.43	-.42						
<u>Other</u>			275	6.82	1.02	360	6.39	-.44						
322	7.34	2.22	444	6.68 R	.88	117	6.39	-.45						
309	7.01	1.26	450	6.73	.84	105	6.38	-.50						

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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.XX PCT			Meth: 121.30 PCT			Meth: 144.70 PCT			Meth: 151.00 PPM			Meth: 165.00 PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Arsenic</u>			<u>Acid Soluble Boron</u>		
096	7.09	2.17	ICP			<u>Spectrometric</u>			<u>Atomic Absorption</u>			<u>Spectrometric</u>		
495	6.66	1.44	472	0.49	-1.51	474	0.95	.71	136	6.30	.71	495	0.003	-.71
483	6.38	.88	354	0.47	-1.98	Meth: 144.99 PCT			Meth: 151.30 PPM			Meth: 165.99 PCT		
105	6.12	.42	Meth: 121.99 PCT			<u>Sulfur</u>			<u>Arsenic</u>			<u>Acid Soluble Boron</u>		
105	5.92	.11	<u>Acid Soluble Magnesi</u>			<u>Other</u>			<u>ICP</u>			<u>Other</u>		
Avg	5.89		<u>Other</u>			025	1.10	2.38	368	6.15 R	1.71	354	0.016	-.71
247	5.87	-.05	105	0.40	-.71	482	0.99	1.29	037	6.53	1.62	Meth: 165.XX PCT		
472	5.85	-.12	Meth: 121.XX PCT			483	0.95	.97	095	6.10	.69	<u>Acid Soluble Boron</u>		
035	5.82	-.13	<u>Acid Soluble Magnesi</u>			102	0.86	.07	474	6.00	.45	354	0.016	.90
482	5.86	-.18	483	0.68	1.99	Avg	0.85		Avg	5.80		Avg	0.009	
102	5.63	-.48	035	0.59	.84	495	0.82	-.27	230	5.80	-.19	495	0.003	-.83
131	5.78 R	-.60	096	0.59	.72	247	0.81	-.40	096	5.65	-.46	Meth: 181.00 PPM		
389	5.52	-.67	096	0.59	.72	389	0.80	-.48	102	5.29	-1.13	<u>Cadmium</u>		
307	5.50	-.77	131	0.55 R	.60	307	0.80	-.51	486	5.22	-1.29	<u>Atomic Absorption</u>		
474	5.45	-.81	389	0.57	.50	096	0.79	-.58	481	3.56 s	-4.98	136 2.05 .71		
354	4.82	-1.94	482	0.56	.44	472	0.79	-.63	Meth: 151.99 PPM			Meth: 181.30 PPM		
Meth: 121.00 PCT			102	0.56	.42	354	0.76	-.85	<u>Arsenic</u>			<u>Cadmium</u>		
<u>Acid Soluble Magnesi</u>			027	0.55	.39	035	0.74	-1.02	<u>Other</u>			<u>ICP</u>		
<u>AA</u>			307	0.54	.28	Meth: 144.XX PCT			042 4.92 .00			247 3.13 2.02		
105	0.40	.71	247	0.55	.17	<u>Sulfur</u>			Meth: 151.XX PPM			117 2.95 1.63		
Meth: 121.30 PCT			474	0.55	.17	025	1.10	2.50	<u>Arsenic</u>			035 2.50 .69		
<u>Acid Soluble Magnesi</u>			Avg	0.53		482	0.99	1.32	368 6.15 R 1.49			096 2.40 .47		
<u>ICP</u>			495	0.52	-.19	483	0.95	.97	037 6.53 1.46			Avg 2.18		
483	0.68 s	3.59	472	0.49	-.62	474	0.95	.96	136 6.30 1.10			482 2.15 -.12		
035	0.59	1.35	354	0.47	-.86	292	0.88	.23	095 6.10 .67			102 2.06 -.25		
096	0.59	1.11	105	0.40	-1.84	Avg	0.86		474 6.00 .47			474 2.00 -.38		
131	0.55 R	1.07	105	0.40	-1.96	102	0.86	-.05	230 5.80 .18			230 1.97 -.45		
389	0.57	.69	Meth: 144.01 PCT			105	0.83	.71	096 5.65 -.35			095 1.96 -.47		
027	0.55	.65	<u>Sulfur</u>			389	0.80	-.59	102 5.29 -.89			486 1.73 -.97		
482	0.56	.57	<u>Gravimetric</u>			307	0.80	-.62	486 5.22 -1.02			481 1.72 -.99		
102	0.56	.53	105	0.83	.71	096	0.79	-.70	042 4.92 -1.58			444 1.61 -1.23		
247	0.55	.14	Meth: 144.02 PCT			472	0.79	-.75	481 3.56 s -4.17			368 1.61 R -1.26		
474	0.55	.14	<u>Sulfur</u>			354	0.76	-.99						
Avg	0.54		<u>Gravimetric</u>			035	0.74	-1.17						
307	0.54	-.55	292	0.88	.00									
495	0.52	-.66												

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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: 181.99 PPM</u>			<u>Meth: 191.30 PPM</u>			<u>Meth: 202.30 PPM</u>			<u>Meth: 221.30 PCT</u>			<u>Meth: 241.30 PCT</u>		
Cadmium			Chromium			Acid Soluble Cobalt			Acid Soluble Copper			Acid Soluble Iron		
<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
042	1.91	.00	474	45.00	-.62	486	2.12	-1.03	495	0.0000	-1.26	Avg	0.53	
			230	44.20	-.76	474	2.00	-1.21	354	0.0000	-1.26	389	0.53	-.13
<u>Meth: 181.XX PPM</u>			444			Meth: 202.99 PPM			Meth: 221.99 PCT			096		
Cadmium			486			Acid Soluble Cobalt			Acid Soluble Copper			307		
247	3.13	2.22	-1.83			<u>Other</u>			<u>Other</u>			027		
117	2.95	1.80	Meth: 191.99 PPM			042			042			402		
035	2.50	.80	Chromium			1.36			0.0001			247		
096	2.40	.56	<u>Other</u>			.71			.71			474		
Avg	2.15		042			Meth: 202.XX PPM			Meth: 221.XX PCT			354		
482	2.15	-.11	26.55			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			131		
102	2.06	-.21	.71			035			474			Meth: 241.99 PCT		
136	2.05	-.26	Meth: 191.XX PPM			4.03 R			0.0017 s			Acid Soluble Iron		
474	2.00	-.34	Chromium			102			043			<u>Other</u>		
230	1.97	-.42	368			3.60			096			105		
095	1.96	-.43	037			3.47			433			0.53		
042	1.91	-.55	102			3.10			444			.71		
486	1.73	-.97	53.86			.70			Avg			Meth: 241.XX PCT		
481	1.72	-.99	.93			2.58			0.0002			<u>Acid Soluble Iron</u>		
444	1.61	-1.25	.88			096			486			495		
368	1.61 R	-1.29	.67			230			042			483		
			.30			486			095			472		
			.19			474			495			105		
			Avg			042			354			102		
			482			1.36			Meth: 241.00 PCT			482		
			474			Meth: 221.00 PCT			Acid Soluble Iron			105		
			230			Acid Soluble Copper			<u>Atomic Absorption</u>			035		
			444			Atomic Absorption			105			Avg		
			486			043			0.54			389		
			042			0.0005			0.54			096		
			26.55			-.71			0.54			307		
			46.55			Meth: 221.30 PCT			Meth: 241.30 PCT			027		
			46.55			Acid Soluble Copper			Acid Soluble Iron			402		
			474			<u>ICP</u>			<u>ICP</u>			247		
			45.00			474			495			474		
			44.20			0.0017 s			483			354		
			42.67			096			472			131		
			-1.06			230			482					
			-2.60			486			102					
			Meth: 191.00 PPM			095			035					
			Chromium			096			482					
			<u>Atomic Absorption</u>			2.75			486					
			481			Avg			Avg					
			48.23			230			095					
			-.71			096			0.0001					
			Meth: 191.30 PPM			2.40			0.0001					
			Chromium			-.57			0.54					
			<u>ICP</u>			Meth: 202.30 PPM			0.54					
			368			Acid Soluble Cobalt			0.54					
			037			<u>ICP</u>			0.54					
			102			474			0.54					
			096			035			0.54					
			105			102			0.54					
			Avg			095			0.54					
			035			482			0.54					
			482			Avg			0.54					
			46.55			230			0.54					
			-.34			096			0.54					
			Meth: 202.30 PPM			2.40			0.54					
			Acid Soluble Cobalt			-.57			0.54					
			<u>ICP</u>			Meth: 221.30 PCT			0.54					
			368			Acid Soluble Copper			0.54					
			037			<u>ICP</u>			0.54					
			102			474			0.54					
			096			035			0.54					
			105			102			0.54					
			Avg			095			0.54					
			035			482			0.54					
			482			Avg			0.54					
			46.55			230			0.54					
			-.34			096			0.54					

* 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: 251.00 PPM</u>			<u>Meth: 261.30 PCT</u>			<u>Meth: 281.30 PPM</u>			<u>Meth: 289.XX PPM</u>			<u>Meth: 291.XX PPM</u>		
<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Mercury</u>			<u>Molybdenum</u>			<u>Nickel</u>		
<u>Atomic Absorption</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
136	1.00	.00	472	0.021	1.56	450	0.05	.71	247	9.50	1.26	105	22.60 s	3.72
			482	0.020	1.11				042	9.41	1.14	444	17.98	2.11
			474	0.020	.75				096	9.25	.94	117	14.70	1.01
<u>Meth: 251.30 PPM</u>			<u>Meth: 281.99 PPM</u>			<u>Meth: 281.99 PPM</u>			<u>Meth: 281.99 PPM</u>			<u>Meth: 281.99 PPM</u>		
<u>Lead</u>			<u>Mercury</u>			<u>Mercury</u>			<u>Mercury</u>			<u>Mercury</u>		
<u>ICP</u>			<u>Avg</u>			<u>Other</u>			<u>Avg</u>			<u>Avg</u>		
117	20.45 S	26.06	402	0.018	-.19	042	0.28	.00	Avg	8.58		247	13.00	.43
368	4.62 R	4.53	102	0.018	-.39				102	8.54	-.09	368	12.85	.40
486	2.26	1.27	307	0.019	-.41	<u>Meth: 281.XX PPM</u>			368	8.45	-.23	102	12.69	.33
105	2.04	.99	495	0.018	-.49	<u>Mercury</u>			433	8.30	-.40	<u>Avg</u>		
Avg	1.32		389	0.018	-.49	042	0.28	.85	230	8.04	-.74	096	11.30	-.15
474	1.00	-.43	035	0.018 R	-1.04	Avg	0.16		474	8.00	-.79	482	10.60	-.37
095	0.79	-.72	354	0.016	-2.08	450	0.05	-.88	486	6.85	-2.35	230	10.00	-.57
481	0.52	-1.09	131	0.015 R	-2.99	<u>Meth: 289.30 PPM</u>			<u>Meth: 291.30 PPM</u>			486	8.47	-1.09
<u>Meth: 251.99 PPM</u>			<u>Meth: 261.99 PCT</u>			<u>Meth: 291.30 PPM</u>			<u>Meth: 291.30 PPM</u>			474	8.00	-1.24
<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			<u>Nickel</u>			042	6.60	-1.72
<u>Other</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>Meth: 301.30 PPM</u>		
042	1.26	.71	105	0.016	-.71	247	9.50	1.39	105	22.60 s	3.98	<u>Selenium</u>		
<u>Meth: 251.XX PPM</u>			<u>Meth: 261.XX PCT</u>			096	9.25	1.06	444	17.98	2.19	<u>ICP</u>		
<u>Lead</u>			<u>Acid Soluble Manganese</u>			037	9.16	.92	117	14.70	.96	<u>ICP</u>		
117	20.45 s	30.86	472	0.021	1.46	095	8.78	.40	095	13.07	.36	<u>ICP</u>		
368	4.62 R	5.44	482	0.020	1.13	035	8.67	.33	037	13.02	.33	<u>ICP</u>		
486	2.26	1.59	474	0.020	.85	102	8.54	.10	247	13.00	.32	<u>ICP</u>		
105	2.04	1.25	096	0.019	.52	Avg	8.50		368	12.85	.30	<u>ICP</u>		
Avg	1.26		307	0.019	.37	368	8.45	-.17	102	12.69	.21	<u>ICP</u>		
042	1.26	-.06	402	0.018	.17	433	8.30	-.30	Avg	12.14		<u>ICP</u>		
136	1.00	-.42	102	0.018	.09	230	8.04	-.65	096	11.30	-.32	<u>ICP</u>		
474	1.00	-.42	Avg	0.018		474	8.00	-.70	482	10.60	-.57	<u>ICP</u>		
095	0.79	-.76	495	0.018	-.08	486	6.85	-2.30	035	12.05 R	-.65	<u>ICP</u>		
481	0.52	-1.20	389	0.018	-.08	<u>Meth: 289.99 PPM</u>			230	10.00	-.80	<u>ICP</u>		
<u>Meth: 261.11 PCT</u>			<u>Meth: 291.99 PPM</u>			<u>Molybdenum</u>			<u>Meth: 291.99 PPM</u>			<u>Meth: 301.99 PPM</u>		
<u>Acid Soluble Manganese</u>			<u>Nickel</u>			<u>Other</u>			<u>Nickel</u>			<u>Selenium</u>		
<u>AA</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>Other</u>		
105	0.017	-.71	042	9.41	.71	042	9.41	.71	042	6.60	-.71	042	0.50	.71
			105	0.017	-1.34									
			105	0.016 R	-1.76									
			131	0.015	-1.99									

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index						
Meth: 311.99 PCT			Meth: 321.30 PCT			Meth: 321.XX PCT														
Sodium			Acid Soluble Zinc			Acid Soluble Zinc														
<u>Other</u>			<u>ICP</u>			Avg 0.004														
354	0.25 R	2.30	037	0.004	.47	433	0.004	-.11												
035	0.20	.68	102	0.004	.47	247	0.004	-.21												
474	0.20	.60	495	0.004	.47	233	0.003	-.48												
102	0.19	.33	433	0.004	.26	105	0.004	-.53												
482	0.19	.26	247	0.004	.13	389	0.003	-.55												
Avg	0.18		Avg	0.004		105	0.003	-.62												
495	0.13	-1.87	233	0.003	-.31	402	0.004	-.67												
			389	0.003	-.41	390	0.003	-.76												
			390	0.003	-.72	486	0.003	-1.04												
Meth: 311.XX PCT																				
<u>Sodium</u>			402			0.004			-.78			105			0.003			-1.19		
354	0.25	1.55	486	0.003	-1.15	230	0.002	-1.60												
247	0.21	.50	105	0.003	-1.37	292	0.000 s	-3.88												
035	0.20	.20	230	0.002	-1.99															
474	0.20	.12	292	0.000 s	-5.41															
Avg	0.20		Meth: 321.99 PCT																	
102	0.19	-.11	Acid Soluble Zinc																	
482	0.19	-.16	<u>Other</u>																	
495	0.13	-1.93	042	0.004	.96															
			Avg	0.004																
			105	0.003	-.76															
Meth: 321.00 PCT																				
Acid Soluble Zinc																				
<u>Atomic Absorption</u>																				
481	0.006	1.26	Meth: 321.XX PCT																	
Avg	0.005		Acid Soluble Zinc																	
043	0.004	-.47	482	0.010 s	5.91															
105	0.004	-.83	354	0.007	2.53															
			481	0.006	2.41															
			035	0.005	.77															
Meth: 321.30 PCT			474	0.004 R	.76															
Acid Soluble Zinc			307	0.005	.72															
<u>ICP</u>			042	0.004	.71															
482	0.010 s	9.29	131	0.004	.54															
354	0.007 A	4.21	037	0.004	.12															
035	0.005	1.58	095	0.004	.10															
307	0.005	1.41	043	0.004	.04															
474	0.004 R	1.38	102	0.004	.04															
131	0.004	1.19	495	0.004	.04															
095	0.004	.55																		

* 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	7	1.32	3.62	0.49	060.XX	5	0.24	1.02	1.31
001.99	4	9.06	18.14	0.53	101.30	13	- 0.01	0.97	0.21
001.XX	11	4.04	10.63	0.51	101.XX	14	- 0.03	1.00	0.22
005.99	3	0.00	1.08	0.24	121.30	14	0.28	1.32	0.37
005.XX	4	0.00	1.04	0.25	121.XX	15	0.15	0.86	0.19
009.10	2	0.00	1.14	0.32	144.99	12	0.00	1.02	0.07
009.XX	2	0.00	1.14	0.32	144.XX	15	0.00	1.01	0.08
010.11	9	0.00	0.99	0.27	151.30	9	- 0.47	1.92	0.54
010.12	3	- 1.15	2.12	0.41	151.XX	11	- 0.31	1.58	0.43
010.60	49	- 0.01	1.08	0.50	165.XX	2	0.00	1.18	0.23
010.XX	61	- 0.05	1.17	0.46	181.30	13	- 0.09	1.03	0.12
020.10	10	0.00	0.96	0.35	181.XX	15	- 0.08	1.03	0.12
020.20	9	- 0.53	1.99	1.48	191.30	11	0.00	1.00	0.20
020.40	7	0.00	1.01	0.22	191.XX	13	0.00	1.01	0.15
020.50	14	0.04	2.38	0.72	202.30	8	0.26	1.21	0.23
020.XX	37	- 0.36	2.53	1.31	202.XX	9	0.22	1.16	0.18
030.XX	3	0.00	1.07	0.28	221.30	9	1.6646	4.4764	4.2533
040.40	2	0.00	0.67	0.73	221.XX	11	1.4141	3.9001	3.6733
040.50	2	0.00	1.22	0.02	241.30	15	- 0.16	1.09	0.19
040.XX	5	- 0.14	1.10	0.10	241.XX	16	- 0.15	1.12	0.23
041.10	9	0.00	1.01	0.19	251.30	7	4.36	9.74	0.41
041.40	4	0.00	0.82	0.61	251.XX	9	4.03	10.25	0.43
041.50	9	- 0.67	2.19	0.37	261.30	12	- 0.271	1.226	0.419
041.60	11	- 0.05	0.96	0.33	261.XX	13	- 0.012	0.949	0.426
041.99	2	0.00	1.19	0.19	281.XX	2	0.000	1.198	0.178
041.XX	29	- 0.29	1.61	0.44	289.30	11	0.00	1.02	0.13
048.20	3	0.00	1.05	0.32	289.XX	12	0.00	1.01	0.12
048.XX	5	0.14	0.94	0.41	291.30	14	0.28	1.40	0.29
050.00	11	0.48	1.86	0.80	291.XX	15	0.25	1.33	0.26
050.10	2	0.00	0.86	0.61	301.XX	2	0.00	1.22	0.09
050.30	4	0.00	1.05	0.23	311.99	6	0.37	1.30	0.27
050.31	2	- 12.02	17.00	0.50	311.XX	7	0.00	1.01	0.24
050.50	9	- 0.63	2.08	0.42	321.00	3	0.000	1.104	0.146
050.51	11	0.00	1.02	0.13	321.30	20	0.447	2.751	0.379
050.60	3	0.00	1.12	0.06	321.99	2	0.000	1.033	0.465
050.61	7	0.00	0.96	0.37	321.XX	22	0.172	1.804	0.275
050.99	22	- 0.08	1.00	0.40					
050.XX	63	- 0.09	1.42	0.43					
060.00	4	0.00	0.60	0.78					