

- Pass 1 Results for 72 Labs - - Pass 2 Results for 70 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	4	0.17	0.13	0.02	4	0.17	0.13	0.02
Ammoniacal Nitrogen, Other		001.99	3	0.06	0.02	0.01	3	0.06	0.02	0.01
Method Group 001.XX PCT			7	0.12	0.11	0.02	7	0.12	0.11	0.02
Nitrate Nitrogen, Jones Modified	930.02	002.20	2	0.39	0.40	0.09	2	0.39	0.40	0.09
Nitrate Nitrogen, Other		002.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Method Group 002.XX PCT			3	0.26	0.37	0.06	3	0.26	0.37	0.06
Ammon & Nitrate N, Devarda	892.01	009.10	1	0.63	0.04	0.06	1	0.63	0.04	0.06
Total Nitrogen, Modified Comprehensive	978.02	010.11	10	5.12	0.14	0.06	9	5.15	0.12	0.04
Total Nitrogen, Salicylic	955.04D	010.12	3	5.12	0.05	0.02	3	5.12	0.05	0.02
Total Nitrogen, Raney	970.03	010.16	1	5.11	0.13	0.19	1	5.11	0.13	0.19
Total Nitrogen, Combustion		010.60	44	5.11	0.18	0.06	41	5.13	0.16	0.05
Total Nitrogen, Other		010.99	3	5.34	0.28	0.04	3	5.34	0.28	0.04
Method Group 010.XX PCT			61	5.13	0.18	0.06	57	5.15	0.16	0.05
Total Phosphate, Grav Quimociac	962.02	020.10	9	2.28	0.04	0.01	8	2.28	0.05	0.01
Total Phosphate, Spectrometric	958.01	020.20	12	2.22	0.10	0.06	11	2.21	0.08	0.05
Total Phosphate, Automated	978.01	020.40	7	2.25	0.08	0.02	7	2.25	0.08	0.02
Total Phosphate, ICP		020.50	10	2.23	0.20	0.05	10	2.26	0.25	0.02
Total Phosphate, Other		020.99	1	2.43	0.00	0.00	1	2.43	0.00	0.00
Method Group 020.XX PCT			39	2.25	0.13	0.04	36	2.24	0.12	0.02
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	2.28	0.04	0.05	1	2.28	0.04	0.05
InDir Available Phosphate, Spectrometri	960.02	040.20	1	2.27	0.02	0.03	1	2.27	0.02	0.03
InDir Available Phosphate, Automated ..	960.02	040.40	1	2.25	0.00	0.00	1	2.25	0.00	0.00
InDir Available Phosphate, ICP		040.50	2	2.18	0.02	0.02	2	2.18	0.02	0.02
Method Group 040.XX PCT			5	2.23	0.05	0.03	5	2.23	0.05	0.03
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	7	2.29	0.03	0.02	6	2.28	0.03	0.01
Dir Available Phosphate, Automated	978.01	041.40	2	2.17	0.12	0.00	2	2.17	0.12	0.00
Dir Available Phosphate, ICP		041.50	10	2.27	0.11	0.03	9	2.27	0.11	0.02
Dir Available Phosphate, EDTA Extract .	993.01	041.60	8	2.27	0.05	0.04	8	2.27	0.05	0.04
Dir Available Phosphate, Other		041.99	1	2.26	0.03	0.04	1	2.26	0.03	0.04
Method Group 041.XX PCT			28	2.27	0.08	0.03	26	2.27	0.08	0.02
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	2.30	0.02	0.03	1	2.30	0.02	0.03
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	1.14	1.16	0.07	2	1.14	1.16	0.07
Water Soluble Phosphate, ICP		048.50	1	2.68	0.04	0.06	1	2.68	0.04	0.06
Method Group 048.XX PCT			4	1.81	1.06	0.06	4	1.81	1.06	0.06
Soluble Potash, STPB Oxalate	958.02	050.00	12	3.12	0.19	0.03	11	3.14	0.18	0.01
Soluble Potash, STPB Citrate	969.04	050.10	1	3.00	0.01	0.01	1	3.00	0.01	0.01
Soluble Potash, AA (Oxalate)		050.30	6	3.03	0.05	0.06	6	3.03	0.05	0.06
Soluble Potash, AA (Citrate)		050.31	1	3.15	0.07	0.10	1	3.15	0.07	0.10
Soluble Potash, ICP (Oxalate)		050.50	10	3.06	0.11	0.05	10	3.06	0.11	0.05

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Soluble Potash, ICP (Citrate)		050.51	11	3.10	0.14	0.05	10	3.11	0.15	0.04
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	2	3.09	0.06	0.01	2	3.09	0.06	0.01
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	6	3.08	0.11	0.03	6	3.08	0.11	0.03
Soluble Potash, Other		050.99	17	3.20	0.21	0.07	17	3.20	0.21	0.07
Method Group 050.XX PCT			66	3.11	0.16	0.05	62	3.11	0.16	0.04
Acid Soluble Calcium, AA	945.04	101.00	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Acid Soluble Calcium, ICP		101.30	3	0.01	0.01	0.01	3	0.01	0.01	0.01
Method Group 101.XX PCT			4	0.01	0.01	0.01	3	0.01	0.01	0.00
Acid Soluble Magnesium, ICP		121.30	2	0.02	0.04	0.04	2	0.02	0.04	0.04
Sulfur, Gravimetric	980.02b	144.02	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Sulfur, Spectrometric		144.70	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Sulfur, Other		144.99	2	0.01	0.01	0.00	2	0.01	0.01	0.00
Method Group 144.XX PCT			4	0.01	0.00	0.00	4	0.01	0.00	0.00
Arsenic, ICP		151.30	3	0.07	0.06	0.02	3	0.07	0.06	0.02
Acid Soluble Boron, Other		165.99	10	0.008	0.001	0.000	9	0.008	0.001	0.000
Water Soluble Boron, Other		171.99	1	0.008	0.001	0.002	1	0.008	0.001	0.002
Cadmium, ICP		181.30	3	0.03	0.02	0.01	3	0.03	0.02	0.01
Cadmium, Other		181.99	1	0.10	0.00	0.00	1	0.10	0.00	0.00
Method Group 181.XX PPM			4	0.04	0.04	0.01	3	0.05	0.05	0.00
Chromium, ICP		191.30	5	0.44	0.32	0.17	5	0.44	0.32	0.17
Acid Soluble Cobalt, ICP	965.11	202.30	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Acid Soluble Copper, Atomic Absorption	975.01	221.00	3	0.0130	0.0009	0.0008	3	0.0130	0.0009	0.0008
Acid Soluble Copper, ICP		221.30	21	0.0131	0.0015	0.0004	20	0.0132	0.0014	0.0004
Acid Soluble Copper, Other		221.99	2	0.0135	0.0003	0.0004	2	0.0135	0.0003	0.0004
Method Group 221.XX PCT			26	0.0131	0.0013	0.0005	25	0.0132	0.0013	0.0004
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	4	0.02	0.00	0.00	4	0.02	0.00	0.00
Acid Soluble Iron, ICP		241.30	18	0.02	0.00	0.00	17	0.02	0.00	0.00
Acid Soluble Iron, Other		241.99	1	0.02	0.00	0.00	1	0.02	0.00	0.00
Method Group 241.XX PCT			23	0.02	0.00	0.00	21	0.02	0.00	0.00
Lead, ICP		251.30	3	0.30	0.37	0.39	3	0.30	0.37	0.39
Acid Soluble Manganese, AA	972.02a	261.00	3	0.018	0.001	0.000	3	0.018	0.001	0.000
Acid Soluble Manganese, AA	972.02b	261.11	1	0.017	0.000	0.000	1	0.017	0.000	0.000
Acid Soluble Manganese, ICP	972.02a	261.30	18	0.018	0.001	0.000	17	0.018	0.001	0.000
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.020	0.001	0.000	2	0.020	0.001	0.000
Acid Soluble Manganese, Other		261.99	1	0.018	0.000	0.000	1	0.018	0.000	0.000
Method Group 261.XX PCT			25	0.018	0.001	0.000	23	0.018	0.001	0.000
Water Soluble Manganese, ICP	972.03	271.30	1	0.018	0.000	0.000	1	0.018	0.000	0.000
Molybdenum, ICP		289.30	8	3.54	0.42	0.14	8	3.54	0.42	0.14
Nickel, ICP		291.30	3	0.21	0.26	0.08	3	0.21	0.26	0.08

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Selenium, ICP		301.30	1	0.50	0.71	1.00	1	0.50	0.71	1.00
Selenium, Other		301.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Method Group 301.XX PPM			2	0.25	0.50	0.50	2	0.25	0.50	0.50
Sodium, Other		311.99	2	0.03	0.02	0.01	2	0.03	0.02	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	4	0.017	0.001	0.001	4	0.017	0.001	0.001
Acid Soluble Zinc, ICP		321.30	22	0.017	0.002	0.001	20	0.017	0.002	0.000
Acid Soluble Zinc, Other		321.99	1	0.017	0.000	0.000	1	0.017	0.000	0.000
Method Group 321.XX PCT			27	0.017	0.002	0.001	25	0.017	0.002	0.000
Water Soluble Zinc, ICP		325.30	1	0.017	0.000	0.000	1	0.017	0.000	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: 002.99 PCT			Meth: 010.16 PCT			Meth: 010.60 PCT			Meth: 010.XX PCT		
Ammoniacal Nitrogen			Nitrate Nitrogen			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			<u>Other</u>			<u>Raney</u>			<u>Combustion</u>					
405	0.66 S	3.84	368	0.00	.00	300	5.11	-.71	354	5.06	-.48	309	5.40	1.63
444	0.33	1.25							307	5.06	-.52	095	5.38	1.42
105	0.23	.46	Meth: 002.XX PCT			Meth: 010.60 PCT			073	5.05	-.53	247	5.35	1.26
Avg	0.17		<u>Nitrate Nitrogen</u>			Total Nitrogen			041	5.05 X	-.60	096	5.32	1.07
230	0.12	-.41	230	0.74	1.30	<u>Combustion</u>			292	5.04	-.61	324	5.30	.94
486	0.01	-1.25	Avg	0.26		368	5.96 s	5.37	483	5.01	-.78	351	5.28	.83
Meth: 001.99 PCT			105	0.05	-.57	023	5.76 s	4.15	055	5.01	-.84	485	5.25	.73
Ammoniacal Nitrogen			368	0.00	-.70	360	5.72 s	3.59	043	4.98	-.93	035	5.26	.68
<u>Other</u>			Meth: 009.10 PCT			007	5.55	2.59	472	4.98	-.98	470	5.25	.64
420	0.07	.83	Ammon & Nitrate N			325	5.45	1.98	234	4.97	-1.01	230	5.19	.57
096	0.07	.69	<u>Devarda</u>			095	5.38	1.50	042	4.96 R	-1.37	072	5.19	.56
Avg	0.06		169	0.63	.71	247	5.35	1.35	070	4.88 R	-1.69	105	5.23	.51
368	0.03	-1.15	Meth: 010.11 PCT			096	5.32	1.16	136	4.86	-1.73	451	5.22	.43
Meth: 001.XX PCT			Total Nitrogen			324	5.30	1.03	034	4.85	-1.78	025	5.19	.39
<u>Ammoniacal Nitrogen</u>			<u>Modified Comprehensi</u>			351	5.28	.91	488	4.73 R	-2.54	489	5.19	.28
405	0.66 s	4.82	309	5.40	2.27	485	5.25	.81	177	4.70	-2.65	029	5.16	.27
444	0.33	1.87	470	5.25	.88	035	5.26	.76	428	4.55 s	-3.60	090	5.19	.26
105	0.23	.95	090	5.19	.34	230	5.19	.61	444	4.54 s	-3.96	131	5.18	.22
Avg	0.12		Avg	5.15		072	5.19	.60	377	4.17 s	-5.94	397	5.17	.16
230	0.12	-.02	105	5.12	-.29	105	5.23	.60				102	5.16	.06
096	0.07	-.46	027	5.11	-.37	451	5.22	.51	Meth: 010.99 PCT			Avg	5.15	
420	0.07	-.53	371	5.10	-.41	025	5.19	.44	Total Nitrogen			185	5.14	-.07
368	0.03	-.82	493	5.07	-.66	489	5.19	.35	<u>Other</u>			117	5.14	-.07
486	0.01	-.97	211	5.05	-.84	029	5.16	.31	460	5.61	.95	157	5.14	-.13
Meth: 002.20 PCT			137	5.05	-.96	131	5.18	.30	487	5.43	.30	049	5.13	-.15
Nitrate Nitrogen			114	4.91 R	-2.25	102	5.16	.14	Avg	5.34		105	5.12	-.20
<u>Jones Modified</u>			Meth: 010.12 PCT			157	5.14	.13	420	5.00	-1.23	390	5.12	-.24
230	0.74	.88	Total Nitrogen			117	5.14	.03	Meth: 010.XX PCT			291	5.11	-.25
Avg	0.39		<u>Salicylic</u>			117	5.14	.03	Total Nitrogen			027	5.11	-.25
105	0.05	-.85	397	5.17	.91	Avg	5.13		368	5.96 s	5.24	371	5.10	-.28
			185	5.14	.39	049	5.13	-.13	023	5.76 s	4.04	040	5.10	-.28
			Avg	5.12		291	5.11	-.18	360	5.72 s	3.47	405	5.10	-.28
			416	5.06	-1.23	390	5.12	-.20	460	5.61	2.81	231	5.08	-.43
						040	5.10	-.21	007	5.55	2.48	028	5.08	-.44
						405	5.10	-.22	460	5.61	2.81	493	5.07	-.46
						231	5.08	-.36	028	5.08	1.88	486	5.07	-.49
						028	5.08	-.38	325	5.45	1.88	354	5.06	-.55
						486	5.07	-.42	487	5.43	1.71	416	5.06	-.55

* 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: 040.50 PCT		
<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>InDir Available Phos</u>		
211	5.05	-.58	<u>Spectrometric</u>			<u>ICP</u>			177	2.24	.08	<u>ICP</u>		
307	5.06	-.59	324	2.41 R	2.84	451	2.14	-.48	Avg	2.24		488	2.20	.95
073	5.05	-.60	169	2.29	1.34	291	2.04	-.90	322	2.24	-.02	Avg	2.18	
300	5.11	-.63	292	2.32	1.34	472	1.99	-1.10	371	2.24	-.13	072	2.17	-.78
041	5.05 X	-.66	489	2.31	1.25	390	1.98	-1.12	247	2.22	-.13	Meth: 040.XX PCT		
137	5.05	-.67	177	2.24	.44	368	1.26 s	-5.68	096	2.22	-.16	<u>InDir Available Phos</u>		
292	5.04	-.68	371	2.24	.39	Meth: 020.99 PCT			157	2.21	-.26	493	2.28	1.09
483	5.01	-.85	Avg	2.21		<u>Total Phosphate</u>			483	2.20	-.30	493	2.27	.80
420	5.00	-.89	420	2.19	-.34	<u>Other</u>			420	2.19	-.44	300	2.25	.41
055	5.01	-.90	258	2.20	-.63	460	2.68 S	.00	307	2.20	-.45	Avg	2.23	
043	4.98	-.99	416	2.15	-.78	487	2.43	.00	258	2.20	-.51	488	2.20	-.84
472	4.98	-1.04	027	2.15	-.89	Avg	2.43		416	2.15	-.76	072	2.17	-1.34
234	4.97	-1.07	309	2.12	-1.15	Meth: 020.XX PCT			451	2.14	-.81	Meth: 041.10 PCT		
042	4.96 R	-1.42	234	2.10	-1.33	<u>Total Phosphate</u>			027	2.15	-.81	<u>Dir Available Phosph</u>		
114	4.91 R	-1.59	Meth: 020.40 PCT			474	2.75 s	4.24	309	2.12	-1.00	<u>Grav Quimociac</u>		
070	4.88 R	-1.74	<u>Total Phosphate</u>			460	2.68 s	3.74	234	2.10	-1.13	041	2.33 X	1.38
136	4.86	-1.79	<u>Automated</u>			157	2.52	2.32	035	2.09	-1.26	105	2.29 R	.93
034	4.85	-1.83	300	2.34	1.16	444	2.46 R	2.24	291	2.04	-1.68	102	2.30	.47
488	4.73 R	-2.59	470	2.31	.78	025	2.49	2.08	472	1.99	-2.10	040	2.30	.47
177	4.70	-2.69	042	2.28	.46	324	2.41 R	1.70	390	1.98	-2.13	Avg	2.28	
428	4.55 s	-3.64	105	2.28	.40	487	2.43	1.61	368	1.26 s	-11.57	185	2.28	-.62
444	4.54 s	-3.99	Avg	2.25		090	2.36	1.00	Meth: 040.10 PCT			072	2.26	-.69
377	4.17 s	-5.95	247	2.22	-.33	300	2.34	.88	<u>InDir Available Phos</u>			055	2.24	-1.52
Meth: 020.10 PCT			096	2.22	-.35	169	2.29 R	.73	<u>Grav Quim</u>			Meth: 041.40 PCT		
<u>Total Phosphate</u>			035	2.09	-1.98	095	2.32	.70	493	2.28	.71	<u>Dir Available Phosph</u>		
<u>Grav Quimociac</u>			Meth: 020.50 PCT			292	2.32	.66	Meth: 040.20 PCT			<u>Automated</u>		
090	2.36	1.62	<u>Total Phosphate</u>			470	2.31	.62	<u>InDir Available Phos</u>			028	2.28	.87
095	2.32	.84	<u>ICP</u>			211	2.31	.61	<u>Spectrometri</u>			Avg	2.17	
211	2.31	.63	474	2.75 S	1.97	489	2.31	.61	493	2.27	.71	027	2.06	-.87
470	2.29	.14	157	2.52	1.04	231	2.30	.49	Meth: 040.40 PCT			Meth: 041.50 PCT		
Avg	2.28		444	2.46 R	1.02	470	2.29	.41	<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>		
105	2.27	-.31	025	2.49	.92	042	2.28	.38	<u>Automated</u>			<u>ICP</u>		
049	2.27	-.35	231	2.30	.15	493	2.28	.38	300	2.25	.00	325	2.50	2.04
493	2.28 R	-.55	Avg	2.20		105	2.28	.36	Meth: 041.50 PCT			023	2.34	.64
322	2.24	-.97	483	2.20	-.23	105	2.27	.29	<u>Dir Available Phosph</u>					
157	2.21	-1.61	307	2.20	-.29	049	2.27	.24						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 048.20 PCT			Meth: 050.10 PCT			Meth: 050.51 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>		
<u>ICP</u>			<u>Spectrometric</u>			<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP (Citrate)</u>		
368	2.28 R	.55	360	2.33	.74	420	0.13	-.87	Avg	3.00		023	3.39	1.97
360	2.33	.52	368	2.28 R	.74	043	2.32	.56				483	3.25	.96
486	2.29	.13	105	2.29	.44	Meth: 048.50 PCT			Meth: 050.30 PCT			291	3.23	.83
137	2.28	.07	073	2.29	.44	<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			096	3.12	.56
Avg	2.27		040	2.30	.38	<u>ICP</u>			<u>AA (Oxalate)</u>			Avg	3.11	
354	2.25	-.21	102	2.30	.38	444	2.68	.71	040	3.05	1.09	377	3.06	-.36
043	2.19	-.77	185	2.28	.28	Meth: 048.XX PCT			185	3.05	1.09	486	3.06	-.39
231	2.16	-1.05	485	2.29	.27	<u>Water Soluble Phosph</u>			234	3.04	.64	072	3.05	-.43
377	2.12	-1.38	351	2.28	.21	<u>ICP</u>			136	3.06	.55	137	3.04	-.46
Meth: 041.60 PCT			486	2.29	.21	<u>Water Soluble Phosph</u>			Avg	3.03		043	3.01	-.69
<u>Dir Available Phosph</u>			137	2.28	.13	<u>ICP</u>			157	3.03	-.83	117	3.02 R	-.86
<u>EDTA Extract</u>			028	2.28	.10	<u>Spectrometric</u>			073	2.97	-1.31	485	2.88	-1.59
029	2.33	1.25	Avg	2.27		<u>STPB Oxalate</u>			428	2.79 s	-7.86	Meth: 050.60 PCT		
043	2.32	.74	136	2.26	-.10	<u>Water Soluble Phosph</u>			Meth: 050.31 PCT			<u>Soluble Potash</u>		
073	2.29	.62	072	2.26	-.10	<u>ICP</u>			<u>Soluble Potash</u>			<u>Flame (Oxalate)</u>		
485	2.29	.33	354	2.25	-.25	<u>Spectrometric</u>			<u>AA (Citrate)</u>			<u>Flame (Oxalate)</u>		
351	2.28	.22	105	2.26	-.26	<u>STPB Oxalate</u>			472			470		
Avg	2.27		055	2.24	-.40	<u>Water Soluble Phosph</u>			3.15			Avg		
136	2.26	-.27	105	2.26 R	-.72	<u>ICP</u>			-.71			169		
105	2.26	-1.13	043	2.19	-1.00	<u>Soluble Potash</u>			Meth: 050.50 PCT			Meth: 050.61 PCT		
034	2.17	-1.87	034	2.17	-1.15	<u>STPB Oxalate</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>		
472	0.02 s	-41.16	231	2.16	-1.36	<u>Water Soluble Phosph</u>			<u>ICP (Oxalate)</u>			<u>Flame (Citrate)</u>		
Meth: 041.99 PCT			377	2.12	-1.81	<u>ICP</u>			488			095		
<u>Dir Available Phosph</u>			027	2.06	-2.49	<u>Spectrometric</u>			292			029		
<u>Other</u>			230	0.89 s	-16.52	<u>STPB Citrate</u>			444			Avg		
105	2.26	.71	472	0.02 s	-26.85	<u>Water Soluble Phosph</u>			3.06			3.08		
Avg	2.26		Meth: 048.10 PCT			<u>ICP</u>			354			028		
230	0.89 s	-48.61	<u>Water Soluble Phosph</u>			<u>Spectrometric</u>			231			034		
Meth: 041.XX PCT			<u>Grav Quimociac</u>			<u>STPB Oxalate</u>			055			493		
<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Water Soluble Phosph</u>			324			035		
325	2.50	2.77	<u>ICP</u>			<u>ICP</u>			420			Meth: 050.99 PCT		
023	2.34	.89	<u>Spectrometric</u>			<u>Soluble Potash</u>			157			<u>Soluble Potash</u>		
029	2.33	.88	<u>STPB Citrate</u>			<u>STPB Citrate</u>			397			<u>Flame (Citrate)</u>		
041	2.33 X	.74	<u>Water Soluble Phosph</u>			<u>STPB Citrate</u>			390			322		
Meth: 048.20 PCT			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>			2.50 s			487		
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>Water Soluble Phosph</u>			-5.33			247		
<u>Spectrometric</u>			<u>Spectrometric</u>			<u>ICP</u>			Meth: 050.10 PCT			3.58		
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			1.15		
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>			<u>STPB Citrate</u>			1.09		
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>			444					
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>			444					
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			041					
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>			3.00 X					
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
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<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
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<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>			<u>STPB Citrate</u>								
<u>ICP</u>			<u>Spectrometric</u>			<u>Water Soluble Phosph</u>								
<u>Spectrometric</u>			<u>STPB Citrate</u>			<u>ICP</u>								
<u>STPB Citrate</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>								
<u>Water Soluble Phosph</u>			<u>ICP</u>											

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 121.30 PCT			Meth: 165.99 PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Boron</u>		
<u>Other</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>Other</u>		
460	3.42	1.06	472	3.15	.38	451	2.99	-.84	472	0.05	1.10	324	0.076 s	79.13
309	3.37	.92	042	3.14	.36	035	2.98	-.86	Avg	0.02		354	0.010	1.83
474	3.38	.86	444	3.14	.31	073	2.97	-.88	354	0.00	-.55	472	0.009 R	1.34
325	3.35	.76	368	3.13	.28	157	2.97	-.89	Meth: 144.02 PCT			368	0.010	1.27
Avg	3.20		470	3.16	.26	397	2.97	-.90	Sulfur			444	0.009	.59
368	3.13	-.36	258	3.15	.20	114	2.96	-.95	<u>Gravimetric</u>			433	0.008	.07
042	3.14	-.40	470	3.14	.14	489	2.92	-1.20	292	0.01	.00	Avg	0.008	
360	3.11	-.43	029	3.12	.07	102	2.90	-1.32	Meth: 144.70 PCT			043	0.008	-.12
177	3.07	-.61	Avg	3.11		072	2.91 R	-1.46	Sulfur			230	0.008	-.40
371	3.06	-.68	360	3.11	-.02	485	2.88	-1.47	<u>Spectrometric</u>			095	0.008	-.74
043	3.05	-.73	211	3.09	-.15	025	2.85	-1.65	474	0.01	.00	009	0.008	-.96
027	3.02	-.88	177	3.07	-.26	428	2.79 s	-2.68	Meth: 101.00 PCT			397	0.008	-1.23
307	3.02	-.91	136	3.06	-.33	390	2.50 s	-3.81	Acid Soluble Calcium			Meth: 171.99 PCT		
451	2.99	-1.05	028	3.06	-.36	Meth: 101.30 PCT			Meth: 144.99 PCT			Water Soluble Boron		
025	2.85	-1.68	377	3.06	-.37	AA			Sulfur			<u>Other</u>		
Meth: 050.XX PCT			354	3.05	-.38	105	0.00	-.71	<u>Other</u>			444	0.008	-.71
<u>Soluble Potash</u>			371	3.06	-.38	Meth: 101.30 PCT			472	0.01	.87	Meth: 181.30 PPM		
444	4.11 s	6.20	486	3.06	-.39	Acid Soluble Calcium			Avg	0.01		Cadmium		
322	3.58	2.88	072	3.05	-.43	ICP			354	0.00	-.87	<u>ICP</u>		
055	3.53	2.56	043	3.05	-.43	472	0.03	1.29	Meth: 144.XX PCT			041	0.04 X	.86
487	3.44	2.01	034	3.05	-.43	354	0.02	.14	Sulfur			102	0.04	.52
247	3.42	1.92	137	3.04	-.46	Avg	0.01		292	0.01	.61	Avg	0.03	
460	3.42	1.90	231	3.04	-.48	474	0.00	-.91	472	0.01	.61	095	0.00	-1.22
023	3.39	1.71	169	3.04	-.48	Meth: 101.XX PCT			474	0.01	.39	Meth: 181.99 PPM		
309	3.37 R	1.67	234	3.04	-.49	Acid Soluble Calcium			Avg	0.01		Cadmium		
474	3.38	1.64	185	3.05	-.50	472	0.03 R	3.19	354	0.00	-1.61	<u>Other</u>		
325	3.35	1.49	040	3.05	-.50	354	0.02	1.29	Meth: 151.30 PPM			487	0.10	.00
230	3.33	1.31	049	3.03	-.55	Avg	0.01		Arsenic			Meth: 181.XX PPM		
488	3.28	1.10	157	3.03	-.57	105	0.00	-.59	ICP			Cadmium		
095	3.29	1.06	027	3.02	-.61	474	0.00	-.70	041	0.10 X	.82	487	0.10	1.21
416	3.26	.90	055	3.01	-.64	Meth: 151.30 PPM			474	0.10	.61	Avg	0.05	
483	3.25	.81	043	3.01	-.67	Arsenic			Avg	0.07		102	0.04	-.21
291	3.23	.69	307	3.02	-.69	ICP			095	0.00	-1.21	041	0.04 R	-.25
090	3.20	.51	041	3.00 X	-.73	041	0.10 X	.82	Meth: 181.XX PPM			Cadmium		
096	3.12 R	.49	493	2.99	-.79	474	0.10	.61	Cadmium			Cadmium		
292	3.18	.45	324	2.99	-.79	Avg	0.07		Cadmium			Cadmium		
			117	3.02 R	-.80				Cadmium			Cadmium		
			420	2.98	-.80				Cadmium			Cadmium		

* 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: 181.XX PPM</u>			<u>Meth: 221.30 PCT</u>			<u>Meth: 221.XX PCT</u>			<u>Meth: 241.30 PCT</u>			<u>Meth: 241.XX PCT</u>		
<u>Cadmium</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>		
095	0.00	-1.00	<u>ICP</u>			035	0.0132	.08	<u>ICP</u>			433	0.02	-.89
			035	0.0132	.07	Avg	0.0132		231	0.02	-.28	397	0.02	-.94
<u>Meth: 191.30 PPM</u>			Avg	0.0132		009	0.0130	-.15	474	0.02	-.28	371	0.02	-.94
<u>Chromium</u>			307	0.0130	-.14	307	0.0130	-.15	307	0.02	-.28	105	0.02 R	-1.00
<u>ICP</u>			009	0.0130	-.14	095	0.0130	-.15	095	0.02	-.69	420	0.02	-1.04
444	0.92	1.61	095	0.0130	-.14	096	0.0130	-.22	137	0.02	-.69	<u>Meth: 251.30 PPM</u>		
041	0.58 X	.74	096	0.0130	-.20	368	0.0129	-.27	433	0.02	-.88	<u>Lead</u>		
Avg	0.44		368	0.0129	-.25	420	0.0129	-.70	397	0.02	-.93	<u>ICP</u>		
230	0.33	-.36	420	0.0123	-.64	105	0.0121	-.89	371	0.02	-.93	095	0.50	1.46
474	0.20	-.77	137	0.0120	-.86	137	0.0120	-.93	420	0.02	-1.03	041	0.31 X	.23
102	0.19	-.79	041	0.0116 X	-1.18	041	0.0116 X	-1.29	<u>Meth: 241.99 PCT</u>			Avg	0.30	
<u>Meth: 202.30 PPM</u>			397	0.0115	-1.27	397	0.0115	-1.38	<u>Acid Soluble Iron</u>			474	0.10	-.55
<u>Acid Soluble Cobalt</u>			472	0.0110 R	-1.73	472	0.0110 R	-1.89	<u>Other</u>			<u>Meth: 261.00 PCT</u>		
<u>ICP</u>			231	0.0100	-2.30	231	0.0100	-2.50	105	0.02	.71	<u>Acid Soluble Manganese</u>		
095	0.00	.00	<u>Meth: 221.99 PCT</u>			<u>Meth: 241.00 PCT</u>			<u>Meth: 241.XX PCT</u>			<u>AA</u>		
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			460	0.019	1.14
<u>Atomic Absorption</u>			487	0.0136	.49	485	0.02	1.43	324	0.03 s	4.75	Avg	0.018	
485	0.0138	1.13	Avg	0.0135		Avg	0.02		041	0.02 X	2.86	485	0.018	-.49
043	0.0132	.28	105	0.0134	-1.12	043	0.02	-.58	027	0.02 R	2.20	043	0.018	-.98
Avg	0.0130		<u>Meth: 221.XX PCT</u>			460	0.02	-.59	485	0.02	1.78	<u>Meth: 261.11 PCT</u>		
105	0.0121	-1.07	<u>Acid Soluble Copper</u>			105	0.02	-.87	035	0.02	1.20	<u>Acid Soluble Manganese</u>		
<u>Meth: 221.30 PCT</u>			474	0.0220 s	6.90	<u>Meth: 241.30 PCT</u>			354	0.02	1.00	<u>AA</u>		
<u>Acid Soluble Copper</u>			371	0.0165	2.61	<u>Acid Soluble Iron</u>			472	0.02	.74	105	0.017	.71
<u>ICP</u>			433	0.0149	1.34	<u>ICP</u>			102	0.02	.36	<u>Meth: 261.30 PCT</u>		
474	0.0220 s	6.37	027	0.0145	1.09	324	0.03 s	4.77	230	0.02	.34	<u>Acid Soluble Manganese</u>		
371	0.0165	2.41	324	0.0142	.82	041	0.02 X	2.88	444	0.02	.33	<u>ICP</u>		
433	0.0149	1.24	485	0.0138	.72	027	0.02 R	2.22	Avg	0.02		231	0.020	2.10
027	0.0145	1.01	230	0.0141	.68	035	0.02	1.22	368	0.02	-.24	474	0.020	2.10
324	0.0142	.76	354	0.0135	.46	354	0.02	1.02	474	0.02	-.29	472	0.019 R	1.51
230	0.0141	.63	444	0.0135	.46	472	0.02	.75	231	0.02	-.29	027	0.019	1.24
444	0.0135	.42	102	0.0138	.44	102	0.02	.37	105	0.02	-.46	035	0.018	.46
354	0.0135	.42	487	0.0136	.33	230	0.02	.35	043	0.02	-.58	095	0.018	.37
102	0.0138	.41	105	0.0134	.28	444	0.02	.33	460	0.02	-.59	009	0.018	.37
483	0.0135	.19	483	0.0135	.20	Avg	0.02		095	0.02	-.70	368	0.018	.09
			043	0.0132	.16	368	0.02	-.23	137	0.02	-.70			

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 261.30 PCT			Meth: 261.XX PCT			Meth: 291.30 PPM			Meth: 321.30 PCT			Meth: 321.XX PCT		
<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			<u>Nickel</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
ICP			009	0.018	.13	ICP			ICP			041	0.018 R	1.22
Avg	0.018		105	0.018	.10	041	0.52 X	1.30	420	0.034 s	13.21	354	0.019	1.16
102	0.017	-.27	Avg	0.018		Avg	0.21		292	0.020	1.48	460	0.019	1.14
096	0.017	-.33	368	0.018	-.15	474	0.10	-.41	231	0.020	1.48	035	0.019	.82
444	0.017	-.49	043	0.018	-.28	095	0.00	-.80	324	0.020	1.31	096	0.018	.52
354	0.017	-.49	102	0.017	-.47	Meth: 301.30 PPM			371	0.020	1.24	027	0.018	.33
307	0.017	-.49	096	0.017	-.51	<u>Selenium</u>			041	0.018 R	1.14	474	0.018	.30
397	0.017	-.49	105	0.017	-.51	ICP			354	0.019	1.09	485	0.017	.20
433	0.017	-.75	307	0.017	-.67	095 0.50 .71			035	0.019	.76	230	0.018	.17
041	0.016 X	-1.00	397	0.017	-.67	Meth: 301.99 PPM			096	0.018	.47	Avg	0.017	
420	0.016	-1.09	444	0.017	-.67	<u>Selenium</u>			027	0.018	.30	307	0.017	-.12
137	0.016	-1.35	354	0.017	-.67	Other			474	0.018	.27	102	0.017	-.27
390	0.013 S	-3.76	433	0.017	-.91	485 0.00 -.71			230	0.018	.15	105	0.017	-.27
Meth: 261.31 PCT			041	0.016 X	-1.15	Meth: 301.XX PPM			Avg	0.017		095	0.017	-.50
<u>Acid Soluble Manganese</u>			420	0.016	-1.23	<u>Selenium</u>			307	0.017	-.13	444	0.017	-.50
ICP			137	0.016	-1.47	095 0.50 1.12			102	0.017	-.27	105	0.017	-.61
324	0.021	.86	390	0.013 s	-3.71	Avg 0.25			095	0.017	-.48	137	0.016	-.69
Avg	0.020		Meth: 271.30 PCT			485 0.00 -.50			444	0.017	-.48	009	0.016	-.69
230	0.019	-.87	<u>Water Soluble Mangan</u>			Meth: 311.99 PCT			137	0.016	-.67	043	0.016	-.89
Meth: 261.99 PCT			ICP			<u>Sodium</u>			009	0.016	-.67	397	0.015	-1.26
<u>Acid Soluble Manganese</u>			444	0.018	.00	Other			397	0.015	-1.20	368	0.015	-1.29
ICP			Meth: 289.30 PPM			354 0.05 .90			368	0.015	-1.23	433	0.015	-1.31
324	0.021	.86	<u>Molybdenum</u>			Avg 0.03			433	0.015	-1.25	390	0.014	-2.03
Avg	0.020		ICP			474 0.02 -.83			390	0.014	-1.93	472	0.013 R	-2.94
230	0.019	-.87	095	4.00	1.10	Meth: 321.00 PCT			472	0.013 R	-2.79	Meth: 325.30 PCT		
Meth: 261.99 PCT			474	4.00	1.10	<u>Acid Soluble Zinc</u>			Meth: 321.99 PCT			<u>Water Soluble Zinc</u>		
<u>Acid Soluble Manganese</u>			433	3.79	.61	ICP			<u>Acid Soluble Zinc</u>			ICP		
324	0.021	2.13	230	3.63	.22	095 0.017			105 0.017			444 0.017		
231	0.020	1.73	Avg	3.54		460 0.019 1.35			Meth: 321.XX PCT			.00		
474	0.020	1.73	486	3.35	-.46	485 0.017 .24			<u>Acid Soluble Zinc</u>					
472	0.019 R	1.23	041	3.50 X	-.50	Avg 0.017			420 0.034 s 14.01					
460	0.019	1.21	096	3.30	-.61	105 0.017			292 0.020 1.58					
230	0.019	1.02	368	2.74	-1.96	043 0.016			231 0.020 1.58					
027	0.019	.93				-1.05			324 0.020 1.41					
485	0.018 R	.43							371 0.020 1.33					
035	0.018	.21												
095	0.018	.13												

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

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.10	5	0.77	1.95	0.15	144.99	2	0.00	1.22	0.00
001.99	3	0.00	1.01	0.40	144.XX	4	0.00	1.08	0.00
001.XX	8	0.60	1.95	0.15	151.30	3	0.00	1.05	0.31
002.20	2	0.00	1.21	0.15	151.XX	3	0.00	1.05	0.31
002.XX	3	0.00	1.11	0.13	165.99	11	7.219	23.738	2.414
010.11	10	- 0.20	1.13	0.40	165.XX	11	7.219	23.738	2.414
010.12	3	0.00	1.10	0.16	181.30	3	0.00	1.06	0.28
010.60	50	- 0.12	1.82	0.47	181.XX	4	- 0.03	0.91	0.11
010.99	3	0.00	1.11	0.08	191.30	5	0.00	0.97	0.39
010.XX	66	- 0.12	1.65	0.43	191.XX	5	0.00	0.97	0.39
020.10	9	- 0.01	0.96	0.23	221.00	3	0.0000	0.9392	0.4952
020.20	12	0.20	1.14	0.55	221.30	22	0.2152	1.6910	0.2977
020.40	7	0.00	1.03	0.16	221.99	2	0.0000	0.5247	0.7825
020.50	12	- 0.27	1.52	1.17	221.XX	26	0.2106	1.6874	0.3362
020.99	2	0.00	0.00	0.00	241.00	4	0.00	0.96	0.42
020.XX	39	0.04	1.87	1.37	241.30	19	0.35	1.48	0.35
040.50	2	0.00	0.86	0.62	241.XX	23	0.30	1.40	0.35
040.XX	4	- 0.21	1.01	0.30	251.30	3	0.00	0.54	0.80
041.10	7	0.02	0.92	0.42	251.XX	3	0.00	0.54	0.80
041.40	2	0.00	1.22	0.03	261.00	3	0.000	1.067	0.272
041.50	10	0.01	0.96	0.21	261.30	19	- 0.133	1.329	0.203
041.60	9	- 4.57	13.74	0.49	261.31	2	0.000	1.219	0.087
041.99	2	- 24.31	34.37	0.52	261.XX	25	- 0.091	1.238	0.188
041.XX	27	- 1.60	6.04	0.28	289.30	8	0.00	1.00	0.25
048.20	2	0.00	1.22	0.03	289.XX	8	0.00	1.00	0.25
048.XX	3	- 0.21	1.20	0.11	291.30	3	0.00	1.07	0.27
050.00	12	- 0.10	1.04	0.19	291.XX	3	0.00	1.07	0.27
050.10	2	78.49	111.00	17.51	301.XX	2	0.00	0.71	0.71
050.30	7	- 0.71	1.99	2.39	311.99	2	0.00	1.18	0.24
050.50	11	- 0.48	1.85	0.30	311.XX	2	0.00	1.18	0.24
050.51	11	- 0.05	0.97	0.27	321.00	4	0.000	1.021	0.306
050.60	2	0.00	1.22	0.09	321.30	23	0.310	2.118	2.108
050.61	6	0.00	1.03	0.18	321.XX	27	0.293	2.089	2.063
050.99	17	0.00	0.99	0.20					
050.XX	63	- 0.03	1.17	0.54					
101.30	3	0.00	0.85	0.59					
101.XX	4	0.63	1.56	0.98					
121.30	2	0.00	0.78	0.67					
121.XX	2	0.00	0.78	0.67					