

- Pass 1 Results for 86 Labs - - Pass 2 Results for 86 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	10	4.08	0.19	0.03	9	4.05	0.17	0.02
Ammoniacal Nitrogen, Other		001.99	10	4.16	0.19	0.03	10	4.16	0.19	0.03
Method Group 001.XX PCT			20	4.12	0.19	0.03	19	4.11	0.19	0.02
Nitrate Nitrogen, Jones Modified	930.02	002.20	3	1.93	0.38	0.20	3	1.93	0.38	0.20
Nitrate Nitrogen, Other		002.99	8	1.67	0.43	0.07	7	1.63	0.43	0.03
Method Group 002.XX PCT			11	1.74	0.42	0.11	10	1.72	0.43	0.08
Ammon & Nitrate N, Devarda	892.01	009.10	5	6.19	0.14	0.07	4	6.16	0.10	0.02
Ammon & Nitrate N, Other		009.99	2	6.23	0.03	0.02	2	6.23	0.03	0.02
Method Group 009.XX PCT			7	6.20	0.12	0.06	6	6.18	0.09	0.02
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	5.91	0.15	0.06	5	5.91	0.15	0.06
Total Nitrogen, Salicylic	955.04D	010.12	5	6.01	0.18	0.06	5	6.01	0.18	0.06
Total Nitrogen, Combustion		010.60	55	6.13	0.12	0.05	52	6.12	0.12	0.04
Total Nitrogen, Other		010.99	6	6.09	0.22	0.06	5	6.02	0.17	0.03
Method Group 010.XX PCT			73	6.09	0.17	0.05	68	6.08	0.15	0.04
Total Phosphate, Grav Quimociac	962.02	020.10	8	13.31	0.28	0.15	8	13.31	0.28	0.15
Total Phosphate, Spectrometric	958.01	020.20	15	13.27	0.44	0.11	15	13.27	0.44	0.11
Total Phosphate, Automated	978.01	020.40	7	13.24	0.18	0.08	7	13.24	0.18	0.08
Total Phosphate, ICP		020.50	14	13.27	0.84	0.20	14	13.27	0.84	0.20
Total Phosphate, Other		020.99	5	13.28	0.67	0.24	5	13.28	0.67	0.24
Method Group 020.XX PCT			49	13.27	0.56	0.15	45	13.22	0.52	0.12
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Insoluble Phosphate, Spectrometric	963.03C	030.20	2	0.06	0.03	0.03	2	0.06	0.03	0.03
Insoluble Phosphate, Automated	978.01	030.40	1	0.07	0.00	0.00	1	0.07	0.00	0.00
Insoluble Phosphate, ICP		030.50	1	0.03	0.00	0.00	1	0.03	0.00	0.00
Insoluble Phosphate, Other		030.99	1	0.03	0.00	0.00	1	0.03	0.00	0.00
Method Group 030.XX PCT			6	0.05	0.02	0.01	5	0.04	0.02	0.00
InDir Available Phosphate, Grav Quim	960.02	040.10	1	13.29	0.03	0.04	1	13.29	0.03	0.04
InDir Available Phosphate, Spectrometri	960.02	040.20	3	13.25	0.36	0.27	3	13.25	0.36	0.27
InDir Available Phosphate, Automated	960.02	040.40	1	13.25	0.04	0.05	1	13.25	0.04	0.05
InDir Available Phosphate, ICP		040.50	1	12.19	0.12	0.17	1	12.19	0.12	0.17
InDir Available Phosphate, Other		040.99	1	13.25	0.35	0.50	1	13.25	0.35	0.50
Method Group 040.XX PCT			7	13.10	0.46	0.22	7	13.10	0.46	0.22
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	13	13.24	0.12	0.06	13	13.24	0.12	0.06
Dir Available Phosphate, Spectrometric	960.03D	041.20	3	13.07	0.22	0.11	3	13.07	0.22	0.11
Dir Available Phosphate, Automated	978.01	041.40	4	13.20	0.22	0.07	4	13.20	0.22	0.07
Dir Available Phosphate, ICP		041.50	9	13.32	0.13	0.12	9	13.32	0.13	0.12
Dir Available Phosphate, EDTA Extract	993.01	041.60	9	13.32	0.15	0.07	9	13.32	0.15	0.07
Dir Available Phosphate, Other		041.99	2	13.33	0.44	0.13	2	13.33	0.44	0.13
Method Group 041.XX PCT			40	13.26	0.18	0.09	40	13.26	0.18	0.09

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Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Water Soluble Phosphate, Spectrometric	970.01	048.20	5	10.79	0.56	0.12	5	10.79	0.56	0.12
Water Soluble Phosphate, ICP		048.50	1	9.99	0.06	0.09	1	9.99	0.06	0.09
Water Soluble Phosphate, Other		048.99	1	9.79	0.03	0.04	1	9.79	0.03	0.04
Method Group 048.XX PCT			7	10.53	0.63	0.11	7	10.53	0.63	0.11
Soluble Potash, STPB Oxalate	958.02	050.00	16	11.46	0.31	0.10	15	11.47	0.31	0.07
Soluble Potash, STPB Citrate	969.04	050.10	2	11.55	0.33	0.06	2	11.55	0.33	0.06
Soluble Potash, AA (Oxalate)		050.30	5	11.30	0.26	0.08	5	11.30	0.26	0.08
Soluble Potash, AA (Citrate)		050.31	2	11.61	0.95	0.07	2	11.61	0.95	0.07
Soluble Potash, ICP (Oxalate)		050.50	10	11.60	0.45	0.17	10	11.60	0.45	0.17
Soluble Potash, ICP (Citrate)		050.51	10	11.50	0.52	0.14	9	11.54	0.54	0.10
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	5	11.58	0.25	0.06	5	11.58	0.25	0.06
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	9	11.54	0.18	0.12	9	11.54	0.18	0.12
Soluble Potash, Other		050.99	19	11.60	0.54	0.12	19	11.60	0.54	0.12
Method Group 050.XX PCT			78	11.53	0.43	0.12	74	11.55	0.43	0.10
Free Water, Vacuum Oven	965.08B	060.00	8	0.80	0.20	0.02	7	0.83	0.19	0.01
Method Group 060.XX PCT			8	0.80	0.20	0.02	7	0.83	0.19	0.01
Acid Soluble Calcium, AA	945.04	101.00	9	6.66	0.20	0.15	8	6.69	0.17	0.10
Acid Soluble Calcium, ICP		101.30	36	6.64	0.41	0.12	35	6.64	0.41	0.10
Acid Soluble Calcium, Other		101.99	5	6.50	0.51	0.10	5	6.50	0.51	0.10
Method Group 101.XX PCT			51	6.62	0.40	0.13	48	6.63	0.39	0.10
Acid Soluble Magnesium, AA	984.01	121.00	11	2.89	0.12	0.08	11	2.89	0.12	0.08
Acid Soluble Magnesium, ICP		121.30	40	2.96	0.14	0.06	37	2.97	0.13	0.05
Acid Soluble Magnesium, Other		121.99	5	2.93	0.14	0.06	5	2.93	0.14	0.06
Method Group 121.XX PCT			56	2.95	0.14	0.07	54	2.94	0.14	0.06
Water Soluble Magnesium, AA		131.00	2	2.56	0.12	0.05	2	2.56	0.12	0.05
Water Soluble Magnesium, ICP		131.30	3	2.76	0.19	0.10	3	2.76	0.19	0.10
Water Soluble Magnesium, Other		131.99	2	2.85	0.06	0.05	2	2.85	0.06	0.05
Method Group 131.XX PCT			7	2.73	0.17	0.07	7	2.73	0.17	0.07
Sulfur, Gravimetric	980.02a	144.01	13	11.08	0.20	0.09	13	11.08	0.20	0.09
Sulfur, Gravimetric	980.02b	144.02	1	11.81	0.04	0.05	1	11.81	0.04	0.05
Sulfur, Spectrometric		144.70	1	11.45	0.41	0.58	1	11.45	0.41	0.58
Sulfur, Other		144.99	28	10.97	0.49	0.18	26	10.93	0.55	0.11
Method Group 144.XX PCT			43	11.03	0.44	0.16	39	11.04	0.43	0.10
Arsenic, ICP		151.30	7	4.68	1.72	0.62	6	4.20	1.15	0.21
Arsenic, Other		151.99	1	4.92	0.14	0.20	1	4.92	0.14	0.20
Method Group 151.XX PPM			8	4.71	1.60	0.57	7	4.30	1.09	0.21
Acid Soluble Boron, Spectrometric	982.01	165.00	4	0.232	0.030	0.023	4	0.232	0.030	0.023
Acid Soluble Boron, Other		165.99	27	0.221	0.024	0.008	26	0.221	0.025	0.007
Method Group 165.XX PCT			31	0.222	0.025	0.010	30	0.221	0.024	0.008

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Water Soluble Boron, Other		171.99	1	0.240	0.000	0.000	1	0.240	0.000	0.000
Cadmium, Atomic Absorption		181.00	1	11.33	0.01	0.01	1	11.33	0.01	0.01
Cadmium, ICP		181.30	14	9.72	1.25	0.49	14	9.72	1.25	0.49
Cadmium, Other		181.99	1	9.88	0.04	0.05	1	9.88	0.04	0.05
Method Group 181.XX PPM			16	9.83	1.23	0.43	16	9.83	1.23	0.43
Water Soluble Chlorine, Titrimetric	928.02	190.00	8	1.45	0.12	0.03	8	1.45	0.12	0.03
Water Soluble Chlorine, Other		190.99	4	0.86	0.92	0.03	4	0.86	0.92	0.03
Method Group 190.XX PCT			13	1.20	0.60	0.04	12	1.25	0.59	0.03
Chromium, ICP		191.30	13	136.29	28.24	4.56	12	136.06	29.34	3.64
Chromium, Other		191.99	1	74.39	0.58	0.82	1	74.39	0.58	0.82
Method Group 191.XX PPM			15	138.64	40.13	5.81	14	131.87	31.65	4.29
Acid Soluble Cobalt, AA		202.00	1	4.50	0.71	1.00	1	4.50	0.71	1.00
Acid Soluble Cobalt, ICP	965.11	202.30	13	24.97	8.11	1.98	12	24.14	7.73	1.32
Acid Soluble Cobalt, Other		202.99	1	5.96	0.30	0.42	1	5.96	0.30	0.42
Method Group 202.XX PPM			15	22.34	10.17	1.81	14	21.44	9.82	1.23
Acid Soluble Copper, Atomic Absorption	975.01	221.00	3	0.0048	0.0004	0.0003	3	0.0048	0.0004	0.0003
Acid Soluble Copper, ICP		221.30	19	0.0050	0.0009	0.0003	17	0.0049	0.0007	0.0002
Acid Soluble Copper, Other		221.99	1	0.0047	0.0001	0.0001	1	0.0047	0.0001	0.0001
Method Group 221.XX PCT			23	0.0050	0.0009	0.0003	21	0.0049	0.0007	0.0002
Acid Soluble Iron, Atomic Absorption	980.01	241.00	11	0.57	0.04	0.01	11	0.57	0.04	0.01
Acid Soluble Iron, ICP		241.30	38	0.53	0.05	0.02	36	0.54	0.05	0.01
Method Group 241.XX PCT			50	0.54	0.06	0.02	48	0.54	0.05	0.01
Lead, ICP		251.30	11	6.37	1.37	0.43	11	6.37	1.37	0.43
Lead, Other		251.99	1	5.48	0.04	0.06	1	5.48	0.04	0.06
Method Group 251.XX PPM			12	6.30	1.33	0.40	12	6.30	1.33	0.40
Acid Soluble Manganese, AA	972.02a	261.00	8	0.522	0.024	0.010	7	0.527	0.020	0.007
Acid Soluble Manganese, AA	972.02b	261.11	1	0.489	0.021	0.030	1	0.489	0.021	0.030
Acid Soluble Manganese, ICP	972.02a	261.30	32	0.517	0.039	0.014	30	0.518	0.038	0.011
Acid Soluble Manganese, ICP	972.02b	261.31	1	0.521	0.004	0.005	1	0.521	0.004	0.005
Acid Soluble Manganese, Other		261.99	6	0.487	0.041	0.010	6	0.487	0.041	0.010
Method Group 261.XX PCT			48	0.514	0.038	0.013	44	0.514	0.030	0.010
Mercury, Atomic Absorption		281.00	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Mercury, Other		281.99	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Method Group 281.XX PPM			2	0.01	0.00	0.00	2	0.01	0.00	0.00
Molybdenum, ICP		289.30	15	8.55	2.98	0.49	14	8.52	3.06	0.30
Molybdenum, Other		289.99	2	3.55	4.10	0.11	2	3.55	4.10	0.11
Method Group 289.XX PPM			17	7.96	3.46	0.45	16	7.90	3.54	0.28
Nickel, ICP		291.30	14	42.52	6.98	2.79	13	42.48	7.04	2.07
Nickel, Other		291.99	2	22.44	10.15	0.36	2	22.44	10.15	0.36

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Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 291.XX PPM			16	40.01	9.89	2.49	15	39.81	10.07	1.84
Selenium, ICP		301.30	2	1.87	1.01	0.11	2	1.87	1.01	0.11
Selenium, Other		301.99	1	2.36	0.28	0.39	1	2.36	0.28	0.39
Method Group 301.XX PPM			3	2.03	0.83	0.20	3	2.03	0.83	0.20
Sodium, Other		311.99	9	0.53	0.04	0.01	9	0.53	0.04	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	10	0.387	0.022	0.013	9	0.390	0.020	0.009
Acid Soluble Zinc, ICP		321.30	40	0.384	0.026	0.013	38	0.383	0.025	0.011
Acid Soluble Zinc, Other		321.99	2	0.383	0.037	0.037	2	0.383	0.037	0.037
Method Group 321.XX PCT			52	0.384	0.025	0.014	47	0.383	0.022	0.010
Water Soluble Zinc, ICP		325.30	1	0.070	0.014	0.020	1	0.070	0.014	0.020

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 002.XX PCT			Meth: 009.XX PCT			Meth: 010.60 PCT		
Ammoniacal Nitrogen			Ammoniacal Nitrogen			Nitrate Nitrogen			Ammon & Nitrate N			Total Nitrogen		
<u>MgO Distillation</u>												<u>Combustion</u>		
258	4.35 R	1.76	473	4.30	1.01	230	2.32	1.41	090	6.19	.19	035	6.23	.92
444	4.30	1.46	419	4.26	.78	258	2.00 R	.80	Avg	6.18		389	6.23	.90
090	4.18	.77	096	4.23	.69	476	2.00	.65	470	6.00	-2.06	055	6.22	.85
232	4.12	.43	420	4.22	.57	029	1.97	.60	309	4.67 s	-17.45	024	6.22	.84
470	4.11	.33	397	4.20	.49	027	1.94	.50	Meth: 010.11 PCT			393	6.22	.84
351	4.09	.22	090	4.18	.39	393	1.90	.42	Total Nitrogen			402	6.22	.83
456	4.09	.22	232	4.12	.12	419	1.85	.31	<u>Modified Comprehensi</u>			070	6.21	.71
Avg	4.05		Avg	4.11		232	1.75	.07	105	6.01	.81	354	6.20	.69
230	3.97	-.44	470	4.11	-.03	Avg	1.72		211	6.02	.77	095	6.20	.62
330	3.90	-.85	372	4.09	-.11	117	1.50	-.60	309	5.94	.22	049	6.19	.61
309	3.68	-2.11	351	4.09	-.12	420	0.99	-1.69	460	5.92	.12	422	6.19	.61
Meth: 001.99 PCT			456	4.09	-.13	471	0.98	-1.73	Avg	5.91		041	6.19	.55
Ammoniacal Nitrogen			027	4.02	-.50	Meth: 009.10 PCT			260	5.65	-1.79	377	6.18	.50
Other			230	3.97	-.74	Ammon & Nitrate N			474	3.02 S	-19.47	330	6.15	.49
137	5.95 s	9.61	330	3.90	-1.11	Devarda			114	2.97 S	-19.81	007	6.15	.49
471	5.44 S	6.90	476	3.70	-2.18	258	6.35 R	2.50	Meth: 010.12 PCT			247	6.14	.45
393	4.34 X	.92	309	3.68	-2.29	393	6.23 X	.83	Total Nitrogen			023	6.17	.45
105	4.30	.74	Meth: 002.20 PCT			397	6.20	.46	<u>Salicylic</u>			231	6.16	.34
473	4.30	.73	Nitrate Nitrogen			090	6.19	.34	254	6.25	1.38	351	6.12	.25
419	4.26	.50	<u>Jones Modified</u>			Avg	6.16		185	6.13	.65	117	6.15	.24
096	4.23	.41	230	2.32	1.04	470	6.00	-1.58	Avg	6.01		086	6.15	.23
420	4.22	.29	029	1.97	.17	309	4.67 S	-15.16	416	6.00 X	-.05	296	6.13	.21
397	4.20	.19	Avg	1.93		Meth: 009.99 PCT			455	5.88	-.76	292	6.14	.16
Avg	4.16		117	1.50	-1.17	Ammon & Nitrate N			117	5.80	-1.27	406	6.13	.13
372	4.09	-.40	Meth: 002.99 PCT			<u>Other</u>			Meth: 010.60 PCT			Avg	6.12	
027	4.02	-.80	Nitrate Nitrogen			444	6.25	.94	Total Nitrogen			232	6.11	-.12
476	3.70	-2.50	Other			Avg	6.23		<u>Combustion</u>			037	6.12	-.14
Meth: 001.XX PCT			258	2.00 R	.98	105	6.21	-.78	043	6.45	2.76	324	6.10	-.17
Ammoniacal Nitrogen			476	2.00	.86	Meth: 009.XX PCT			230	6.32 R	1.99	233	6.11	-.19
137	5.95 s	9.82	027	1.94	.71	Ammon & Nitrate N			360	6.23 R	1.25	177	6.10	-.21
471	5.44 s	7.13	393	1.90	.63	258	6.35 R	2.63	072	6.26	1.17	307	6.09	-.30
258	4.35 R	1.31	419	1.85	.52	444	6.25	.79	042	6.22 R	1.12	136	6.09	-.32
393	4.34 X	1.21	232	1.75	.28	393	6.23 X	.68	096	6.25	1.09	018	6.08	-.35
444	4.30	1.03	Avg	1.63		105	6.21	.31	275	6.25	1.04	040	6.08	-.35
105	4.30	1.03	420	0.99	-1.48	397	6.20	.25	029	6.23	1.03	028	6.08	-.48
			471	0.98	-1.52							234	6.08	-.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
Meth: 010.60 PCT			Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.10 PCT			Meth: 020.40 PCT		
Total Nitrogen			Total Nitrogen			Total Nitrogen			Total Phosphate			Total Phosphate		
<u>Combustion</u>									<u>Grav Quimociac</u>			<u>Automated</u>		
450	6.05	-.59	275	6.25	1.07	307	6.09	.04	041	13.37	.20	105	13.16	-.80
325	6.05	-.60	029	6.23	1.03	Avg	6.08		090	13.33	.09	035	13.08	-.89
131	6.01	-.93	035	6.23	.97	018	6.08	-.07	Avg	13.31		456	13.05	-1.09
444	6.01	-.93	389	6.23	.95	040	6.08	-.07	470	13.15	-.59	Meth: 020.50 PCT		
390	6.01	-.99	055	6.22	.91	450	6.05	-.22	157	13.15	-.61	Total Phosphate		
426	6.00	-1.09	393	6.22	.91	325	6.05	-.23	105	13.27	-.65	<u>ICP</u>		
102	5.95	-1.44	402	6.22	.90	028	6.08	-.24	117	12.92	-1.63	422	14.82	1.85
372	5.90	-1.89	024	6.22	.90	234	6.08	-.30	Meth: 020.20 PCT			330	14.45	1.44
291	5.84	-2.36	070	6.21	.81	211	6.02	-.41	Total Phosphate			452	13.92	.78
157	5.82	-2.56	354	6.20	.78	444	6.01	-.48	<u>Spectrometric</u>			247	13.81	.64
443	5.80	-2.69	095	6.20	.74	131	6.01	-.48	324	13.85	1.36	157	13.65	.45
027	5.68 s	-3.74	422	6.19	.72	416	6.00 X	-.55	460	13.71	1.00	390	13.50	.45
452	5.64 s	-4.02	049	6.19	.72	390	6.01	-.55	292	13.56	.64	402	13.54	.38
420	5.14 s	-8.22	041	6.19	.68	105	6.01	-.62	473	13.52	.60	389	13.47	.23
Meth: 010.99 PCT			377	6.18	.63	426	6.00	-.64	406	13.43	.37	Avg 13.27		
Total Nitrogen			023	6.17	.59	102	5.95	-.88	474	13.30	.30	432	12.77	-.60
<u>Other</u>			007	6.15	.55	309	5.94	-.98	231	13.40	.29	393	12.65	-.75
471	6.42 R	2.37	330	6.15	.55	460	5.92	-1.11	450	13.39	.26	426	12.54	-.91
419	6.11	.53	231	6.16	.51	372	5.90	-1.24	419	13.28	.18	307	12.30	-1.17
105	6.11	.49	247	6.14	.50	455	5.88	-1.38	232	13.31	.15	255	12.22	-1.26
300	6.11	.49	009	6.15	.46	291	5.84	-1.61	Avg	13.27		444	12.20	-1.29
030	6.10	.44	086	6.15	.43	157	5.82	-1.76	258	13.26	-.11	Meth: 020.99 PCT		
Avg	6.02		117	6.15	.42	443	5.80	-1.86	363	13.23	-.12	Total Phosphate		
476	5.70	-1.88	292	6.14	.38	117	5.80	-1.96	416	13.20 X	-.16	<u>Other</u>		
072	4.19 S	-10.75	351	6.12	.33	476	5.70	-2.52	234	12.66	-1.41	476	16.30 S	4.54
Meth: 010.XX PCT			296	6.13	.32	027	5.68	-2.69	420	12.00	-2.90	443	14.31	1.59
Total Nitrogen			406	6.13	.30	260	5.65 A	-2.89	309	7.19 s	-18.59	471	13.45	.45
043	6.45	2.42	185	6.13	.28	452	5.64	-2.91	Meth: 020.40 PCT			Avg	13.28	
471	6.42 R	2.28	419	6.11	.27	420	5.14 s	-6.21	Total Phosphate			137	13.24	-.06
230	6.32 R	1.78	037	6.12	.26	072	4.19 s	-12.51	<u>Automated</u>			455	12.95	-.49
360	6.23 R	1.18	233	6.11	.21	474	3.02 s	-20.22	095	13.56	1.86	322	12.44	-1.24
072	6.26	1.17	177	6.10	.19	114	2.97 s	-20.55	096	13.32	.47	Meth: 020.10 PCT		
254	6.25	1.15	232	6.11	.19	Meth: 020.10 PCT			Total Phosphate			247	13.30	.36
096	6.25	1.10	105	6.11	.18	Total Phosphate			<u>Grav Quimociac</u>			Avg	13.24	
042	6.22 R	1.07	300	6.11	.15	Grav Quimociac			042	13.20	-.27			
			030	6.10	.13	444	13.79	1.73						
			324	6.10	.11	114	13.54	.81						
			136	6.09	.10									

* 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: 020.XX PCT			Meth: 020.XX PCT			Meth: 030.99 PCT			Meth: 040.99 PCT			Meth: 041.20 PCT		
<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>		
476	16.30 s	5.98	035	13.08	-.27	247	0.03	.00	247	13.25	.71	030	12.83	-1.11
422	14.82	3.07	456	13.05	-.33	<u>Other</u>			<u>Other</u>			<u>Spectrometric</u>		
330	14.45 R	2.41	455	12.95	-.52	Meth: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.40 PCT		
443	14.31 R	2.16	117	12.92	-.72	<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>		
452	13.92	1.35	432	12.77	-.86	474	0.08 R	2.53	473	13.48	.83	<u>Automated</u>		
324	13.85	1.25	234	12.66	-1.08	096	0.07	1.70	372	13.41	.66	029	13.41	.97
247	13.81	1.14	393	12.65	-1.09	473	0.05	.35	247	13.25	.63	027	13.27	.32
444	13.79	1.11	426	12.54	-1.36	Avg 0.04			090	13.29	.41	131	13.24	.18
460	13.71	.95	322	12.44	-1.48	090	0.04	-.15	096	13.25	.32	Avg 13.20		
157	13.65	.84	307	12.30	-1.77	247	0.03	-.76	Avg	13.10		072	12.87	-1.56
390	13.50 R	.79	255	12.22	-1.92	255	0.03	-.95	474	12.86	-.86	Meth: 041.50 PCT		
402	13.54	.71	444	12.20	-1.96	Meth: 040.10 PCT			Meth: 041.10 PCT			<u>Dir Available Phosph</u>		
095	13.56	.67	420	12.00	-2.34	<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>ICP</u>		
471	13.45 R	.65	309	7.19 s	-15.59	<u>Grav Quim</u>			<u>Grav Quimociac</u>			325	13.85 S	4.23
292	13.56	.65	Meth: 030.10 PCT			090	13.29	.71	055	13.49	2.16	452	13.46	1.33
114	13.54	.62	<u>Insoluble Phosphate</u>			Meth: 040.20 PCT			211	13.40	1.31	007	13.42	1.03
473	13.52	.61	<u>Grav Quimociac</u>			<u>InDir Available Phos</u>			254	13.34	.94	040	13.35	.98
389	13.47	.48	090	0.04	.00	<u>Spectrometri</u>			177	13.25	.15	360	13.43	.93
406	13.43	.41	Meth: 030.20 PCT			473	13.48	.67	131	13.25	.04	Avg 13.32		
231	13.40	.35	<u>Insoluble Phosphate</u>			372	13.41	.44	Avg	13.24		055	13.31	-.37
105	13.27	.35	<u>Spectrometric</u>			Avg 13.25			072	13.24	-.09	043	13.30	-.54
450	13.39	.32	474	0.08	1.08	474	12.86	-1.36	009	13.22	-.24	377	13.26	-.65
474	13.30	.30	Avg 0.06			Meth: 040.40 PCT			185	13.24	-.25	291	13.21	-.86
041	13.37	.29	473	0.05	-.58	<u>InDir Available Phos</u>			105	13.20	-.45	023	13.13	-1.51
090	13.33	.22	Meth: 030.40 PCT			<u>Automated</u>			040	13.22	-.52	009	12.72 S	-4.79
232	13.31	.20	<u>Insoluble Phosphate</u>			096	13.25	-.71	102	13.16	-.70	393	12.42 S	-7.09
419	13.28	.20	<u>Automated</u>			Meth: 040.50 PCT			086	13.15	-.82	354	12.00 S	-10.40
096	13.32	.19	096	0.07	.00	<u>InDir Available Phos</u>			260	13.04	-1.86	Meth: 041.60 PCT		
247	13.30	.16	Meth: 030.50 PCT			<u>ICP</u>			Meth: 041.20 PCT			<u>Dir Available Phosph</u>		
258	13.26	.11	<u>Insoluble Phosphate</u>			255	12.19	.71	<u>Dir Available Phosph</u>			<u>EDTA Extract</u>		
363	13.23	.07	<u>ICP</u>			Meth: 041.20 PCT			136	13.56	1.65	397	13.50	1.21
137	13.24	.04	255	0.03	.00	<u>Spectrometric</u>			363	13.30	1.10	018	13.40	.87
Avg	13.22		Meth: 030.50 PCT			Avg 13.07			419	13.07	.23	177	13.34	.25
416	13.20 X	-.04	<u>Insoluble Phosphate</u>			Meth: 041.20 PCT			<u>Dir Available Phosph</u>			<u>EDTA Extract</u>		
042	13.20	-.06	<u>ICP</u>			<u>Dir Available Phosph</u>			<u>Spectrometric</u>			<u>EDTA Extract</u>		
470	13.15	-.13	255 0.03 .00			363 13.30 1.10			419 13.07 .23			177 13.34 .25		
157	13.15	-.16	Avg 13.22			Avg 13.07			Avg 13.07			Avg 13.32		
105	13.16	-.25	Avg 13.22			Avg 13.07			Avg 13.07			Avg 13.32		

* 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: 041.60 PCT			Meth: 041.XX PCT			Meth: 048.99 PCT			Meth: 050.10 PCT			Meth: 050.51 PCT				
Dir Available Phosph			Dir Available Phosph			Water Soluble Phosph			Soluble Potash			Soluble Potash				
<u>EDTA Extract</u>			<u>ICP</u>			<u>Other</u>			<u>STPB Citrate</u>			<u>ICP (Citrate)</u>				
037	13.27	-.36	177	13.25	-.11	247	9.79	.71	300	11.84	.86	007	12.11	1.07		
043	13.25	-.50	131	13.25	-.11				Avg	11.55		432	11.95	.80		
233	13.28	-.51	072	13.24	-.16				117	11.27	-.88	291	11.96	.79		
024	13.21	-.83	131	13.24	-.16	Meth: 048.XX PCT						023	11.76	.42		
351	13.11	-1.47	185	13.24	-.21	<u>Water Soluble Phosph</u>			Meth: 050.30 PCT			043	11.69	.29		
			009	13.22	-.26	420	11.83	2.05	Soluble Potash			389	11.65	.23		
			291	13.21	-.32	474	10.67	.27	<u>AA (Oxalate)</u>			Avg	11.54			
Meth: 041.99 PCT			377	13.26	-.33	473	10.58	.11	234	11.64	1.34	377	11.45	-.17		
Dir Available Phosph			024	13.21	-.35	Avg	10.53		185	11.50	.77	009	11.21 R	-.77		
<u>Other</u>			105	13.20	-.39	096	10.41	-.20	Avg	11.30		452	10.74	-1.50		
275	13.70	.87	040	13.22	-.41	363	10.45	-.26	040	11.24	-.27	393	10.53 X	-1.87		
Avg	13.33		102	13.16	-.58	393	9.99	-.85	043	11.16	-.58					
230	12.95	-.86	086	13.15	-.65	247	9.79	-1.17	351	10.97	-1.30	Meth: 050.60 PCT				
			023	13.13	-.77	Meth: 050.00 PCT			Meth: 050.31 PCT			Soluble Potash				
			351	13.11	-.86	Soluble Potash			Soluble Potash			<u>Flame (Oxalate)</u>				
Meth: 041.XX PCT			419	13.07	-1.11	<u>STPB Oxalate</u>			AA (Citrate)			460			11.89	1.25
Dir Available Phosph			260	13.04	-1.33	114	11.98	1.65	030			12.44	.87	406	11.80	.91
325	13.85 s	3.26	230	12.95	-1.76	009	11.82	1.13	Avg			11.61		Avg	11.58	
275	13.70	2.45	072	12.87	-2.28	233	11.77	.96	254			10.79	-.86	309	11.47	-.45
136	13.56	1.65	030	12.83	-2.45	258	11.72	.80	Meth: 050.50 PCT			Meth: 050.61 PCT				
055	13.49	1.33	009	12.72 s	-3.07	470	11.68	.67	Soluble Potash			Soluble Potash				
397	13.50	1.31	393	12.42 s	-4.68	416	11.57	.31	<u>ICP (Oxalate)</u>			<u>Flame (Citrate)</u>				
452	13.46	1.18	354	12.00 s	-7.00	072	11.51	.20	422	12.35	1.68	095	13.09 s	8.51		
007	13.42	.96	Meth: 048.20 PCT			090	11.48	.02	426	12.09	1.09	456	11.75	1.24		
018	13.40	.94	Water Soluble Phosph			Avg	11.47		292	11.97	.82	029	11.73	1.06		
360	13.43	.93	<u>Spectrometric</u>			055	11.43	-.19	354	11.89	.65	105	11.66	1.02		
040	13.35	.82	420	11.83	1.85	372	11.41	-.21	420	11.61	.04	041	11.61	.77		
029	13.41	.82	Avg	10.79		049	11.42	-.29	Avg	11.60		024	11.61	.40		
211	13.40	.75	474	10.67	-.27	231	11.35	-.43	157	11.40	-.62					
254	13.34	.53	473	10.58	-.38	397	11.20	-.89	444	11.28	-.73	Avg				
177	13.34	.44	363	10.45	-.64	102	11.29 R	-.95	055	11.20	-.90	131	11.41	-.70		
363	13.30	.42	096	10.41	-.68	211	11.00	-1.54	324	11.10	-1.12	037	11.38	-.85		
043	13.30	.40	Meth: 048.50 PCT			230	10.80	-2.21	390	11.10	-1.19	018	11.40	-.93		
233	13.28	.34	Water Soluble Phosph						419	9.37 s	-4.93	035	11.29	-1.40		
055	13.31	.34	<u>ICP</u>													
037	13.27	.09	393	9.99	.71											
027	13.27	.03														
Avg	13.26															
043	13.25	-.09														

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 060.00 PCT			Meth: 101.00 PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Free Water</u>			<u>Acid Soluble Calcium</u>		
<u>Other</u>									<u>Vacuum Oven</u>			<u>AA</u>		
474	23.52 s	22.03	432	11.95	.98	372	11.41	-.31	363	0.98	.79	351	6.54	-.82
260	13.12 S	2.82	292	11.97	.97	049	11.42	-.33	Avg	0.83		043	6.39	-1.72
322	12.45	1.58	291	11.96	.96	037	11.38	-.38	416	0.82 X	-.04	028	6.44 R	-2.11
307	12.35	1.41	330	11.95	.94	018	11.40	-.41	473	0.77	-.32	029	5.97 s	-4.77
137	12.25	1.20	232	11.90	.85	042	11.42	-.43	247	0.76	-.37	397	5.25 s	-8.30
471	12.09	.91	354	11.89	.80	450	11.36	-.44	007	0.68	-.83	Meth: 101.30 PCT		
330	11.95	.65	460	11.89	.79	105	11.36	-.46	456	0.62	-1.14	<u>Acid Soluble Calcium</u>		
232	11.90	.59	476	11.85	.79	177	11.35	-.46	474	0.58 R	-1.35	<u>ICP</u>		
476	11.85	.54	300	11.84	.67	231	11.35	-.47	Meth: 060.99 PCT			422	8.08 s	3.49
455	11.75	.29	009	11.82	.64	325	11.35	-.57	<u>Free Water</u>			452	7.70	2.57
027	11.75	.28	406	11.80	.59	157	11.40 R	-.57	<u>Other</u>			291	7.69	2.53
360	11.60	.04	233	11.77	.52	035	11.29	-.61	443	4.64 S	.00	330	7.25	1.48
Avg	11.60		456	11.75	.51	444	11.28	-.65	Meth: 060.XX PCT			432	7.12	1.17
131	11.50	-.19	023	11.76	.51	117	11.27	-.65	<u>Free Water</u>			354	7.10	1.11
042	11.42	-.42	455	11.75	.49	443	11.27	-.67	443	4.64 s	20.19	420	7.02	.92
450	11.36	-.45	027	11.75	.47	040	11.24	-.72	Meth: 101.00 PCT			389	6.93	.69
105	11.36	-.46	029	11.73	.43	102	11.29 R	-.80	<u>Acid Soluble Calcium</u>			300	6.80	.39
177	11.35	-.47	105	11.66	.42	397	11.20	-.80	<u>AA</u>			037	6.77	.32
325	11.35	-.54	258	11.72	.41	055	11.20	-.82	096	1.19	1.91	433	6.76	.29
402	11.19	-.78	043	11.69	.34	402	11.19	-.85	363	0.98	.79	131	6.68	.20
072	10.56	-1.93	041	11.61	.32	043	11.16	-.91	Avg	0.83		231	6.72	.18
255	10.39	-2.24	470	11.68	.31	009	11.21 R	-.97	416	0.82 X	-.04	450	6.66	.05
			389	11.65	.27	324	11.10	-1.06	473	0.77	-.32	419	6.65	.02
			234	11.64	.26	390	11.10 R	-1.13	247	0.76	-.37	Avg	6.64	
			024	11.61	.15	211	11.00	-1.26	007	0.68	-.83	023	6.60	-.10
			420	11.61	.14	351	10.97	-1.33	456	0.62	-1.14	086	6.59	-.15
			360	11.60	.13	230	10.80	-1.74	474	0.58 R	-1.35	041	6.59	-.18
			416	11.57	.06	254	10.79	-1.76	Meth: 101.00 PCT			233	6.57	-.18
			Avg	11.55		452	10.74	-1.89	<u>Acid Soluble Calcium</u>			360	6.56	-.21
			185	11.50	-.10	072	10.56	-2.29	<u>AA</u>			009	6.58	-.26
			131	11.50	-.11	393	10.53 X	-2.34	040	6.95	1.54	102	6.53	-.26
			072	11.51	-.16	255	10.39	-2.68	157	6.69	.87	324	6.55	-.28
			090	11.48	-.16	419	9.37 s	-5.03	296	6.78	.64	095	6.52	-.29
			309	11.47	-.19	Meth: 060.00 PCT			095	6.77	.46	090	6.61	-.35
			105	11.46	-.21	<u>Free Water</u>			055	6.69	.29	390	6.63	-.35
			377	11.45	-.23	<u>Vacuum Oven</u>			177	6.69	.19	363	6.54	-.35
			055	11.43	-.28	096	1.19	1.91	Avg	6.69				
			131	11.41	-.31									

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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: 101.XX PCT			Meth: 121.30 PCT			Meth: 121.99 PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>Other</u>		
157	6.50	-.41	157	6.69	.41	029	5.97 R	-1.98	426	3.00	.68	470	2.99	.45
307	6.34	-.75	296	6.78	.40	476	5.65	-2.52	009	3.00	.54	Avg	2.93	
255	6.33	-.76	037	6.77	.36	117	5.63	-2.57	231	3.02	.37	444	2.91	-.37
035	6.32	-.84	095	6.77	.33	397	5.25 s	-3.51	433	3.01	.33	137	2.82	-.79
232	6.54 R	-.89	433	6.76	.32	230	5.00 s	-4.73	131	3.00	.32	476	2.80	-.94
247	6.27	-.90	444	6.70	.30	230	3.55 s	-7.99	473	3.01	.28			
474	6.26	-.99	131	6.68	.22				420	3.00	.22	Meth: 121.XX PCT		
114	6.18	-1.20	231	6.72	.21	Meth: 121.00 PCT			389	3.00	.19	<u>Acid Soluble Magnesi</u>		
027	5.96	-1.67	055	6.69	.19	<u>AA</u>			037	2.98	.05	330	5.05 s	15.16
117	5.63	-2.48	177	6.69	.16	309	4.65 s	14.76	Avg	2.97		309	4.65 s	12.25
230	3.55 s	-7.66	450	6.66	.07	055	3.09	1.92	300	2.97	-.08	041	3.29	2.46
			419	6.65	.04	028	2.96	.91	363	2.96	-.13	422	3.25	2.18
			Avg	6.63		177	2.99	.87	095	2.95	-.20	291	3.18	1.68
Meth: 101.99 PCT			023	6.60	-.08	397	2.91	.62	023	2.93	-.31	247	3.16	1.57
<u>Acid Soluble Calcium</u>			086	6.59	-.14	040	2.95	.56	360	2.93	-.33	471	3.13	1.53
<u>Other</u>			233	6.57	-.17	043	2.89	.17	450	2.93	-.33	432	3.14	1.41
470	6.93	.84	041	6.59	-.17	Avg	2.89		096	2.92	-.39	354	3.12	1.33
137	6.91	.80	360	6.56	-.20	296	2.87	-.14	157	2.96	-.44	055	3.09 R	1.32
444	6.70	.44	351	6.54	-.23	351	2.85	-.29	390	2.94	-.45	114	3.00 R	1.04
Avg	6.50		102	6.53	-.25	157	2.77	-1.06	419	2.91	-.47	230	3.02	.92
042	6.30	-.39	009	6.58	-.26	095	2.74	-1.21	232	2.94	-.48	233	3.06	.89
476	5.65	-1.68	324	6.55	-.28	029	2.75	-1.35	258	2.91	-.89	086	3.05	.87
230	5.00 s	-3.40	095	6.52	-.28				452	2.85	-.90	426	3.00	.74
			363	6.54	-.36	Meth: 121.30 PCT			324	2.86	-.91	028	2.96	.62
			090	6.61	-.36	<u>Acid Soluble Magnesi</u>			255	2.84	-1.03	009	3.00	.61
			390	6.63	-.37	<u>ICP</u>			090	2.84	-1.05	231	3.02	.56
			157	6.50	-.41	330	5.05 s	16.00	042	2.80	-1.32	433	3.01	.51
			043	6.39	-.62	041	3.29	2.41	307	2.80	-1.32	131	3.00	.47
			307	6.34	-.77	422	3.25	2.10	035	2.75	-1.77	473	3.01	.47
			255	6.33	-.78	291	3.18	1.57	102	2.72	-1.91	420	3.00	.42
			028	6.44 R	-.84	247	3.16	1.45	474	2.58 A	-3.06	157	2.96	.41
			042	6.30	-.85	432	3.14	1.28	117	2.57 s	-3.34	232	2.94	.40
			035	6.32	-.86	354	3.12	1.20				389	3.00	.38
			247	6.27	-.92	114	3.00 R	1.05	Meth: 121.99 PCT			470	2.99	.35
			232	6.54 R	-.92	230	3.02 R	.87	<u>Acid Soluble Magnesi</u>			177	2.99	.35
			474	6.26	-1.02	086	3.05	.74	<u>Other</u>			037	2.98	.24
			114	6.18	-1.24	233	3.06	.73	471	3.13	1.63	040	2.95	.23
			027	5.96	-1.72									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 121.XX PCT			Meth: 131.30 PCT			Meth: 144.01 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT		
<u>Acid Soluble Magnesi</u>			<u>Water Soluble Magnes</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Sulfur</u>		
300	2.97	.22	ICP			Gravimetric			Other			095	11.08	.11
363	2.96	.18	230	2.93	1.00	296	10.86	-1.17	422	10.81	-.26	Avg	11.04	
095	2.95	.04	452	2.80	.21	040	10.82	-1.31	419	10.72	-.40	105	11.00	-.13
Avg	2.94		Avg	2.76		397	10.75	-1.63	389	10.70	-.42	027	10.98	-.15
023	2.93	-.09	432	2.55	-1.21				232	10.74	-.44	452	11.00	-.17
360	2.93	-.11				Meth: 144.02 PCT			137	10.66	-.50	037	10.90	-.39
450	2.93	-.11	Meth: 131.99 PCT			Sulfur			023	10.60	-.62	444	10.88	-.39
096	2.92	-.16	<u>Water Soluble Magnes</u>			Gravimetric			363	10.57	-.68	028	10.87	-.40
419	2.91	-.23	<u>Other</u>			292	11.81	.71	390	10.50 R	-.96	296	10.86	-.47
390	2.94	-.36	027	2.89	.97				230	10.70 R	-1.01	040	10.82	-.53
043	2.89	-.40	Avg	2.85		Meth: 144.70 PCT			450	10.34	-1.08	177	10.81	-.53
444	2.91	-.42	234	2.81	-.75	Sulfur			040	10.04 S	-1.92	247	10.81	-.53
296	2.87	-.51				Spectrometric			255	9.77	-2.13	422	10.81	-.56
397	2.91	-.55	Meth: 131.XX PCT			474	11.45	.71	117	9.61 S	-2.43	397	10.75	-.68
452	2.85	-.63	<u>Water Soluble Magnes</u>			Avg	11.45		131	7.18 s	-6.85	419	10.72	-.76
351	2.85	-.63	230	2.93	1.23	470	9.43 S	-4.93				232	10.74	-.77
324	2.86	-.65	027	2.89	.96				Meth: 144.XX PCT			389	10.70	-.79
258	2.91	-.73	234	2.81	.45	Meth: 144.99 PCT			<u>Sulfur</u>			137	10.66	-.88
255	2.84	-.76	452	2.80	.40	Sulfur			291	12.10	2.49	023	10.60	-1.04
090	2.84	-.78	Avg	2.73		Other			300	11.93	2.08	363	10.57	-1.11
137	2.82	-.87	309	2.66	-.40	291	12.10	2.13	292	11.81	1.80	230	10.70 R	-1.41
476	2.80	-1.02	432	2.55	-1.13	300	11.93	1.81	157	11.55	1.21	390	10.50 R	-1.44
042	2.80	-1.02	029	2.47	-1.52	157	11.55	1.13	474	11.45 R	1.18	450	10.34	-1.63
307	2.80	-1.03				360	11.35 R	.95	360	11.35 R	1.03	040	10.04 s	-2.68
157	2.77	-1.29	Meth: 144.01 PCT			354	11.40	.92	354	11.40	.96	255	9.77	-2.98
095	2.74	-1.42	<u>Sulfur</u>			473	11.35	.75	029	11.37	.77	117	9.61 s	-3.36
035	2.75	-1.45	<u>Gravimetric</u>			049	11.30	.67	473	11.35	.72	470	9.43 s	-3.76
029	2.75	-1.51	029	11.37	1.41	351	11.24	.61	049	11.30	.62	131	7.18 s	-9.03
102	2.72	-1.57	114	11.29	1.09	086	11.21	.51	114	11.29	.61			
474	2.58	-2.65	043	11.28	1.03	009	11.13	.50	043	11.28	.58	Meth: 151.30 PPM		
117	2.57 s	-2.92	055	11.22	.68	476	11.15	.41	351	11.24	.57	<u>Arsenic</u>		
			233	11.21	.64	452	11.00	.17	009	11.13	.50	<u>ICP</u>		
			324	11.20	.59	027	10.98	.10	055	11.22	.42	009	7.54 R	3.19
Meth: 131.00 PCT			102	11.11 X	.21	Avg	10.98		086	11.21	.41	450	6.00	1.56
<u>Water Soluble Magnes</u>			Avg	11.08		444	10.88	-.14	233	11.21	.40	096	4.55	.37
AA			095	11.08	-.12	037	10.90	-.19	324	11.20	.38	102	4.50	.28
309	2.66	.83	105	11.00	-.43	177	10.81	-.22	476	11.15	.29	230	4.44	.27
Avg	2.56		028	10.87	-1.04	247	10.81	-.22	102	11.11 X	.18	Avg	4.20	
029	2.47	-.90												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 151.30 PPM			Meth: 165.99 PCT			Meth: 165.XX PCT			Meth: 181.30 PPM			Meth: 181.XX PPM		
Arsenic			Acid Soluble Boron			Acid Soluble Boron			Cadmium			Cadmium		
<u>ICP</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
474	3.00	-1.04	086	0.244	.94	300	0.235	.63	086	12.50	2.29	452	9.01	-.69
444	2.70	-1.30	137	0.240	.76	231	0.235	.63	096	10.75	.85	035	9.09	-.70
			231	0.235	.59	433	0.235	.61	474	10.50	.74	232	8.85	-.88
			300	0.235	.59	040	0.233	.58	233	10.36	.60	230	7.02	-2.29
Meth: 151.99 PPM			300 0.235 .59			363 0.223 .54			009 10.31 .54			444 5.93 s -3.18		
Arsenic			433 0.235 .57			009 0.230 .39			037 9.77 .13			Meth: 190.00 PCT		
<u>Other</u>			040 0.233 .54			049 0.226 .34			Avg 9.72			Water Soluble Chlori		
231	4.92	.71	363	0.223	.51	354	0.225	.27	419	9.70	-.02	<u>Titrimetric</u>		
			009	0.230	.36	232	0.223	.25	102	9.59	-.11	422	1.72	2.17
			049	0.226	.31	090	0.225	.18	247	9.55	-.14	043	1.48	.29
Meth: 151.XX PPM			354 0.225 .25			117 0.223 .16			450 9.10 -.50			460 1.46 .28		
Arsenic			232 0.223 .23			Avg 0.221			452 9.01 -.60			029 1.47 .18		
009	7.54 R	3.27	090	0.225	.16	291	0.220	-.04	035	9.09	-.61	Avg 1.45		
450	6.00	1.55	117	0.223	.15	029	0.220	-.17	232	8.85	-.79	055 1.44 -.08		
231	4.92	.57	Avg	0.221		422	0.215	-.33	230	7.02	-2.17	102 1.42 -.27		
096	4.55	.32	291	0.220	-.05	043	0.210	-.47	444	5.93 S	-3.05	023 1.32 -1.08		
230	4.44	.22	422	0.215	-.32	324	0.210	-.54	Meth: 181.99 PPM			389 1.31 -1.16		
102	4.50	.21	043	0.210	-.46	444	0.215	-.69	Cadmium			444 0.51 s -7.55		
Avg	4.30		444	0.215 R	-.66	055	0.205	-.71	<u>Other</u>			Meth: 190.99 PCT		
474	3.00	-1.19	426	0.202	-.84	426	0.202	-.87	231	9.88	.71	Water Soluble Chlori		
444	2.70	-1.47	471	0.200	-.89	471	0.200	-.93	Meth: 181.XX PPM			<u>Other</u>		
			230	0.174	-1.91	230	0.174	-2.00	Cadmium			397 4.76 S 4.26		
			255	0.174	-1.93	255	0.174	-2.02	086 12.50 2.23			471 1.79 1.01		
Meth: 165.00 PCT			255 0.174 -1.93			042 0.155 -2.81			363 11.33 1.22			157 1.65 .86		
Acid Soluble Boron			042 0.155 -2.69			114 0.150 s -3.04			096 10.75 .78			Avg 0.86		
<u>Spectrometric</u>			114 0.150 s -2.92			Meth: 171.99 PCT			474 10.50 .68			037 0.02 -.93		
452	0.266	1.57	Meth: 165.XX PCT			Water Soluble Boron			233 10.36 .54			455 0.00 -.94		
037	0.237	.21	Acid Soluble Boron			<u>Other</u>			009 10.31 .47			Meth: 190.XX PCT		
Avg	0.232		432 0.510 s 12.74			027 0.240 .00			231 9.88 .04			Water Soluble Chlori		
029	0.220	-.41	452 0.266 R 2.37			Meth: 181.00 PPM			Avg 9.83			397 4.76 s 5.97		
055	0.205	-.90	473 0.255 1.46			Cadmium			419 9.70 -.11			471 1.79 .90		
			258 0.250 1.23			<u>Atomic Absorption</u>			037 9.77 -.13			422 1.72 .79		
			360 0.247 1.09			363 11.33 .71			102 9.59 -.20			157 1.65 .68		
Meth: 165.99 PCT			389 0.245 1.04						247 9.55 -.23			043 1.48 .38		
Acid Soluble Boron			086 0.244 1.00						450 9.10 -.60			029 1.47 .37		
<u>Other</u>			137 0.240 .81											
432	0.510 s	12.14	037 0.237 .69											
473	0.255	1.38												
258	0.250	1.17												
360	0.247	1.03												
389	0.245	.98												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 190.XX PCT			Meth: 191.XX PPM			Meth: 202.99 PPM			Meth: 221.30 PCT			Meth: 221.XX PCT		
<u>Water Soluble Chlori</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>		
460	1.46	.35	009	166.05	1.09	231	5.96	.71	444	0.0060	1.50	450	0.0051	.35
055	1.44	.32	419	159.50	.87	Other			009	0.0049 R	.66	419	0.0050	.19
102	1.42	.28	096	157.00	.79	Meth: 202.XX PPM			450	0.0051	.29	247	0.0050	.19
023	1.32	.10	247	156.50	.78	<u>Acid Soluble Cobalt</u>			419	0.0050	.13	102	0.0050	.19
389	1.31	.09	035	146.00	.46	422	35.00 R	1.47	102	0.0050	.13	389	0.0050	.19
Avg	1.25		232	139.10	.34	450	35.70	1.45	247	0.0050	.13	402	0.0050	.19
444	0.51 R	-1.27	102	139.99	.26	009	34.34	1.32	389	0.0050	.13	Avg	0.0049	
037	0.02	-2.11	452	137.85	.19	086	30.22	.90	402	0.0050	.13	095	0.0049	-.08
455	0.00	-2.13	Avg	131.87		233	29.91	.86	Avg	0.0049		231	0.0047	-.34
Meth: 191.30 PPM			027	120.06	-.37	035	28.75	.75	095	0.0049	-.10	232	0.0047	-.40
<u>Chromium</u>			230	113.50	-.58	096	28.00	.68	232	0.0047	-.40	474	0.0046	-.48
<u>ICP</u>			444	85.94	-1.45	Avg	21.44		086	0.0049	-.45	086	0.0049	-.49
450	233.50 s	3.35	474	81.00	-1.61	419	20.00	-.15	086	0.0049	-.45	233	0.0046	-.53
086	169.30	1.13	231	74.39	-1.82	247	20.70	-.15	035	0.0048	-.52	255	0.0045	-.54
009	166.05	1.04	Meth: 202.00 PPM			232	17.19	-.44	233	0.0046	-.53	035	0.0048	-.55
419	159.50	.80	<u>Acid Soluble Cobalt</u>			452	16.74	-.48	255	0.0045	-.54	095	0.0046	-.60
096	157.00	.71	<u>AA</u>			230	14.05	-.75	363	0.0043	-.83	363	0.0043	-.86
247	156.50	.70	474	4.50	.71	102	14.04	-.77	433	0.0042	-1.00	433	0.0042	-1.04
035	146.00	.37	Meth: 202.30 PPM			230	0.0036	-1.72	230	0.0036	-1.72	230	0.0036	-1.82
232	139.10 R	.29	<u>Acid Soluble Cobalt</u>			231	5.96	-1.58	041	0.0000 s	-6.69	041	0.0000 s	-7.22
102	139.99	.14	<u>ICP</u>			474	4.50	-1.73	Meth: 221.99 PCT			Meth: 241.00 PCT		
452	137.85	.08	422	35.00 R	1.55	Meth: 221.00 PCT			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>		
Avg	136.06		450	35.70	1.50	<u>Acid Soluble Copper</u>			<u>Other</u>			<u>Atomic Absorption</u>		
027	120.06	-.55	009	34.34	1.33	<u>Atomic Absorption</u>			231	0.0047	.71	258	0.63	1.40
230	113.50	-.77	086	30.22	.79	258	0.0490 S	112.50	Avg	0.0047		471	0.0000 S	-65.76
444	85.94	-1.71	043	0.0052	1.21	043	0.0052	1.21	471	0.0000 S	-65.76	351	0.61	.93
474	81.00	-1.88	Avg	0.0048		Avg	0.0048		Meth: 221.XX PCT			177	0.60	.68
Meth: 191.99 PPM			035	28.75	.60	474	0.0046	-.57	<u>Acid Soluble Copper</u>			043	0.59	.50
<u>Chromium</u>			096	28.00	.52	095	0.0046	-.84	432	0.5600 s	822.63	296	0.59	.43
<u>Other</u>			Avg	24.14		Meth: 221.30 PCT			258	0.0490 s	65.40	029	0.57	.15
231	74.39	.71	247	20.70	-.48	<u>Acid Soluble Copper</u>			324	0.0108 s	8.71	Avg	0.57	
Meth: 191.XX PPM			419	20.00	-.54	<u>ICP</u>			422	0.0075 R	3.96	363	0.56	-.24
<u>Chromium</u>			232	17.19	-.90	432	0.5600 s	758.03	354	0.0070	3.15	095	0.55	-.32
450	233.50 R	3.24	452	16.74	-.96	324	0.0108 s	7.98	444	0.0060	1.67	040	0.55	-.36
086	169.30	1.18	230	14.05	-1.30	422	0.0075 R	3.61	009	0.0049 R	.73	397	0.54	-.74
			102	14.04	-1.32	354	0.0070	2.86	043	0.0052	.57	474	0.46	-2.43
												030	0.40 s	-3.83

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 241.30 PCT Acid Soluble Iron			Meth: 241.30 PCT Acid Soluble Iron			Meth: 241.XX PCT Acid Soluble Iron			Meth: 251.30 PPM Lead			Meth: 261.11 PCT Acid Soluble Manganese		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>AA</u>		
432	0.84 s	6.33	300	0.47	-1.48	255	0.54	-.07	474	5.00	-1.00	029	0.489	.71
422	0.65	2.29	117	0.47	-1.54	397	0.54	-.16	444	4.64	-1.33			
035	0.62	1.63	230	0.37 A	-3.57	095	0.53	-.17	452	4.40	-1.45			
055	0.61	1.51	042	0.24 s	-6.51	041	0.54	-.19				Meth: 261.30 PCT Acid Soluble Manganese		
330	0.60	1.30	324	0.06 s	-10.28	023	0.53	-.23	Meth: 251.99 PPM Lead			<u>ICP</u>		
354	0.60	1.24				086	0.54	-.31	Other			432	0.615	2.61
389	0.58	.93	Meth: 241.XX PCT Acid Soluble Iron			420	0.51	-.61	231	5.48	-.71	354	0.570	1.39
233	0.58	.88	432	0.84 s	5.49	232	0.50	-.86				055	0.550 R	1.17
102	0.58	.79	422	0.65	1.95	426	0.50	-.88	Meth: 251.XX PPM Lead			035	0.560	1.11
096	0.57	.66	258	0.63	1.65	402	0.49	-.94	450	8.00	1.28	086	0.548	.98
231	0.57	.66	035	0.62	1.38	247	0.49	-.98	419	7.85	1.17	009	0.552	.92
037	0.57	.62	055	0.61	1.27	452	0.49	-1.05	096	7.60	1.00	389	0.545	.74
360	0.56	.55	351	0.61	1.26	027	0.49	-1.06	450	7.46	.88	450	0.545	.74
009	0.56	.54	330	0.60	1.08	291	0.49	-1.08	009	7.31	.78	452	0.543	.71
090	0.56	.50	177	0.60	1.05	444	0.49	-1.08	233	6.77	.56	324	0.528	.33
390	0.56	.50	354	0.60	1.03	450	0.49	-1.08	232	6.77	.56	247	0.527	.33
131	0.56	.40	043	0.59	.90	114	0.50 R	-1.09	Avg	6.30		102	0.529	.32
473	0.55	.23	296	0.59	.83	433	0.48	-1.16	102	5.65	-.49	233	0.521	.24
041	0.54	.21	389	0.58	.77	300	0.47	-1.35	231	5.48	-.61	041	0.525	.24
419	0.54	.05	233	0.58	.72	117	0.47	-1.41	474	0.46	-1.55	390	0.523	.23
Avg	0.54		102	0.58	.63	474	0.46	-1.55	030	0.40 R	-2.73	131	0.523	.18
255	0.54	-.04	231	0.57	.52	030	0.40 R	-2.73	230	5.40	-.68	231	0.520	.06
095	0.53	-.12	096	0.57	.52	230	0.37	-3.19	474	5.00	-.97	Avg	0.518	
023	0.53	-.20	029	0.57	.51	042	0.24 s	-5.77	444	4.64	-1.31	363	0.517	-.03
086	0.54	-.34	037	0.57	.49	324	0.06 s	-9.07	452	4.40	-1.43	419	0.513	-.14
420	0.51	-.63	009	0.56	.43							023	0.512	-.19
232	0.50	-.93	360	0.56	.43	Meth: 251.30 PPM Lead			Meth: 261.00 PCT Acid Soluble Manganese			095	0.511	-.19
426	0.50	-.95	363	0.56	.40	<u>ICP</u>			<u>AA</u>			090	0.517	-.25
402	0.49	-1.01	090	0.56	.39	450	8.00	1.19	258	0.565	1.92	360	0.508	-.26
247	0.49	-1.05	390	0.56	.38	419	7.85	1.08	351	0.538	.54	422	0.502	-.43
452	0.49	-1.13	131	0.56	.29	096	7.60	.92	397	0.530	.52	330	0.500	-.47
027	0.49	-1.15	095	0.55	.23	009	7.46	.81	Avg	0.527		114	0.500	-.54
291	0.49	-1.16	040	0.55	.22	233	7.31	.70	177	0.526	-.10	291	0.485	-.88
444	0.49	-1.16	473	0.55	.15	232	6.77	.51	040	0.516	-.59	117	0.457	-1.61
450	0.49	-1.16	Avg	0.54		Avg	6.37		043	0.510	-.89	232	0.466 R	-1.62
114	0.50 R	-1.20	419	0.54	-.07	102	5.65	-.53	296	0.507	-1.05	426	0.457	-1.63
433	0.48	-1.26				230	5.40	-.71	095	0.488 R	-2.19	027	0.446	-1.92

* 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: 261.XX PCT			Meth: 289.99 PPM			Meth: 291.30 PPM		
Acid Soluble Manganese			Acid Soluble Manganese			Acid Soluble Manganese			Molybdenum			Nickel		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>Other</u>			<u>ICP</u>		
433	0.434	-2.22	102	0.529	.51	300	0.170 s	-11.33	231	7.10	.87	037	42.05	-.07
444	0.290 s	-6.07	247	0.527	.50	402	0.164 s	-11.53	Avg	3.55		444	42.44	-.23
420	0.215 s	-8.05	177	0.526	.41	Meth: 281.00 PPM			422	0.00	-.87	035	40.75	-.35
300	0.170 s	-9.23	471	0.526	.41	Mercury			Meth: 289.XX PPM			102	39.93	-.36
402	0.164 s	-9.39	041	0.525	.40	<u>Atomic Absorption</u>			<u>Molybdenum</u>			230	31.80	-1.52
Meth: 261.31 PCT			390	0.523	.38	230	0.01	.71	450	11.50	1.03	452	28.64	-1.97
Acid Soluble Manganese			233	0.521	.37	Meth: 281.99 PPM			233	11.23	.94	474	10.00 s	-4.61
<u>ICP</u>			037	0.521	.33	Mercury			247	11.00	.87	Meth: 291.99 PPM		
230	0.521	.71	131	0.523	.32	<u>Other</u>			232	10.33	.70	Nickel		
Meth: 261.99 PCT			090	0.517	.32	296	0.01	-.71	419	10.00	.59	<u>Other</u>		
Acid Soluble Manganese			230	0.521	.23	Meth: 281.XX PPM			086	8.90 R	.53	027	31.22	.87
<u>Other</u>			231	0.520	.20	Mercury			009	9.71	.51	Avg	22.44	
471	0.526	.96	040	0.516	.09	296	0.01	.86	433	9.46	.44	231	13.66	-.87
037	0.521	.85	363	0.517	.08	Avg	0.01		035	9.37	.42	Meth: 291.XX PPM		
255	0.500	.35	Avg	0.514		296	0.01	.87	102	9.33	.40	<u>Nickel</u>		
137	0.490	.07	419	0.513	-.07	Avg	0.01		452	8.90	.28	450	56.00	1.62
Avg	0.487		095	0.511	-.12	Meth: 289.30 PPM			230	7.85	-.02	096	50.00	1.09
042	0.475	-.32	043	0.510	-.13	Molybdenum			231	7.10	-.23	086	47.05	.72
474	0.410	-1.90	023	0.512	-.14	<u>ICP</u>			255	5.63	-.66	232	42.95 R	.68
Meth: 261.XX PCT			360	0.508	-.20	450	11.50	.99	474	5.00	-.82	009	46.11	.65
Acid Soluble Manganese			296	0.507	-.25	233	11.23	.89	422	0.00	-2.23	444	42.44	.31
432	0.615 A	3.36	422	0.502	-.42	247	11.00	.81	444	0.00	-2.23	247	42.80	.30
354	0.570	1.84	330	0.500	-.46	232	10.33	.62	Meth: 291.30 PPM			233	42.72	.30
258	0.565	1.69	255	0.500	-.50	086	8.90 R	.53	Nickel			037	42.05	.22
055	0.550 R	1.54	114	0.500	-.57	419	10.00	.48	<u>ICP</u>			419	42.00	.22
035	0.560	1.50	137	0.490	-.79	009	9.71	.39	450	56.00	1.94	035	40.75	.20
086	0.548	1.31	029	0.489	-.96	433	9.46	.31	096	50.00	1.21	Avg	39.81	
009	0.552	1.26	291	0.485	-.97	035	9.37	.28	232	42.95 R	.87	230	31.80	-.80
389	0.545	1.03	095	0.488	-1.03	102	9.33	.26	086	47.05	.65	027	31.22	-.85
450	0.545	1.03	042	0.475	-1.29	452	8.90	.13	009	46.11	.58	452	28.64	-1.11
452	0.543	.99	117	0.457	-1.88	Avg	8.52		233	42.72	.10	231	13.66	-2.60
351	0.538	.79	426	0.457	-1.90	230	7.85	-.22	247	42.80	.04	474	10.00 s	-2.96
397	0.530	.62	232	0.466 R	-1.91	255	5.63	-.96	Avg	42.48				
324	0.528	.52	027	0.446	-2.27	474	5.00	-1.15	419	42.00	-.07			
			433	0.434	-2.64	444	0.00	-2.79						
			474	0.410 A	-3.44									
			444	0.290 s	-7.41									
			420	0.215 s	-9.86									

* 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: 301.30 PPM			Meth: 321.00 PCT			Meth: 321.30 PCT			Meth: 321.XX PCT			Meth: 321.XX PCT		
Selenium			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc		
<u>ICP</u>			<u>Atomic Absorption</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
230	2.74	.87	351	0.395	.25	292	0.375	-.37	102	0.410	1.21	117	0.358	-1.17
Avg	1.87		177	0.392	.10	023	0.375	-.42	114	0.410	1.20	452	0.378 R	-1.32
450	1.00	-.86	Avg	0.390		131	0.371	-.49	450	0.400	1.17	433	0.353	-1.37
Meth: 301.99 PPM			258	0.390	-.50	390	0.381	-.51	397	0.405	1.00	444	0.350	-1.49
Selenium			043	0.380	-.71	231	0.370	-.51	473	0.405	1.00	291	0.350	-1.49
<u>Other</u>			029	0.361 R	-1.93	035	0.369	-.57	474	0.405	1.00	029	0.361 R	-1.50
231	2.36	.71	095	0.343	-2.39	300	0.365	-.74	296	0.405	.96	471	0.362 R	-1.75
Meth: 301.XX PPM			Meth: 321.30 PCT			232	0.366	-.79	028	0.403	.93	095	0.343	-1.83
Selenium			Acid Soluble Zinc			095	0.363	-.83	096	0.402	.91	027	0.338	-2.06
<u>Selenium</u>			<u>ICP</u>			255	0.359	-.98	233	0.398	.82	426	0.335	-2.24
230	2.74	.86	432	0.765 s	15.41	117	0.358	-1.03	040	0.400	.76	230	0.254 s	-5.80
231	2.36	.46	247	0.547 s	6.62	452	0.378 R	-1.18	009	0.399	.70	Meth: 325.30 PCT		
Avg	2.03		086	0.447	2.66	433	0.353	-1.21	090	0.395	.64	Water Soluble Zinc		
450	1.00	-1.24	055	0.425 R	1.98	291	0.350	-1.32	258	0.390	.54	<u>ICP</u>		
Meth: 311.99 PCT			354	0.415	1.43	444	0.350	-1.32	351	0.395	.53	473	0.070	-.71
Sodium			360	0.413	1.41	027	0.338	-1.83	324	0.395	.51			
<u>Other</u>			389	0.410	1.17	426	0.335	-1.99	177	0.392	.39			
422	0.63	2.15	102	0.410	1.10	230	0.254 s	-5.19	037	0.385	.32			
307	0.56	.65	114	0.410	1.10	Meth: 321.99 PCT			042	0.390	.30			
086	0.55	.59	450	0.400	1.06	Acid Soluble Zinc			363	0.385	.30			
Avg	0.53		473	0.405	.92	<u>Other</u>			422	0.385	.12			
474	0.53	-.11	096	0.402	.84	137	5.300 S	133.74	419	0.384	.03			
009	0.52	-.25	233	0.398	.75	474	0.405	.61	Avg	0.383				
232	0.52	-.27	330	0.400	.70	Avg	0.383		420	0.381	-.14			
102	0.52	-.34	009	0.399	.65	471	0.362	-1.06	041	0.380	-.15			
363	0.51	-.58	090	0.395	.59	Meth: 321.XX PCT			402	0.382	-.18			
035	0.47	-1.59	324	0.395	.48	Acid Soluble Zinc			292	0.375	-.43			
Meth: 321.00 PCT			037	0.385	.30	137	5.300 s	220.56	043	0.380	-.47			
Acid Soluble Zinc			042	0.390	.29	432	0.765 s	17.14	023	0.375	-.49			
<u>Atomic Absorption</u>			363	0.385	.27	247	0.547 s	7.34	131	0.371	-.57			
397	0.405	.79	422	0.385	.12	086	0.447 A	2.94	390	0.381	-.57			
028	0.403	.73	419	0.384	.04	Avg	0.383		231	0.370	-.59			
296	0.405	.73	Avg	0.383		055	0.425 R	2.18	035	0.369	-.65			
040	0.400	.52	420	0.381	-.11	354	0.415	1.58	300	0.365	-.85			
			041	0.380	-.11	360	0.413	1.55	232	0.366	-.90			
			402	0.382	-.15	389	0.410	1.28	095	0.363	-.94			
									255	0.359	-1.11			

* 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	10	0.17	1.11	0.12	050.60	5	0.00	1.04	0.17
001.99	12	1.37	3.39	0.20	050.61	10	0.85	2.82	0.44
001.XX	22	0.83	2.69	0.17	050.99	21	1.18	4.91	0.16
002.20	3	0.00	1.07	0.27	050.XX	75	0.40	3.44	0.26
002.99	8	0.11	1.01	0.17	060.00	8	- 0.17	1.07	0.08
002.XX	11	0.06	0.98	0.19	060.XX	9	2.10	6.86	0.08
009.10	6	- 2.20	6.46	0.63	101.00	11	- 1.26	2.77	0.91
009.99	2	0.00	1.07	0.42	101.30	38	- 0.11	1.66	0.33
009.XX	8	- 1.93	6.37	0.62	101.99	6	- 0.49	1.51	0.73
010.11	7	- 5.61	9.62	0.24	101.XX	52	- 0.16	1.46	0.47
010.12	5	0.00	1.03	0.23	121.00	12	1.23	4.35	0.45
010.60	58	- 0.22	1.61	0.28	121.30	42	0.25	2.73	0.42
010.99	7	- 1.20	4.37	0.37	121.99	5	0.00	0.98	0.36
010.XX	74	- 0.68	3.60	0.84	121.XX	57	0.48	2.74	0.41
020.10	8	0.00	0.95	0.39	131.00	2	0.00	1.17	0.25
020.20	16	- 0.86	3.59	3.11	131.30	3	0.00	1.04	0.33
020.40	7	0.00	0.99	0.31	131.99	2	0.00	1.00	0.50
020.50	14	0.00	1.00	0.16	131.XX	7	0.00	1.00	0.26
020.99	6	0.75	2.04	0.39	144.01	13	0.00	0.99	0.24
020.XX	47	- 0.02	2.17	1.57	144.70	2	- 2.46	3.48	0.50
030.20	2	0.00	0.78	0.67	144.99	31	- 0.29	1.56	0.31
030.XX	6	0.33	1.25	0.64	144.XX	46	- 0.38	1.78	0.35
040.20	3	0.00	0.93	0.51	151.30	7	0.41	1.45	0.51
040.XX	7	0.00	0.97	0.34	151.XX	8	0.37	1.42	0.51
041.10	13	0.00	0.96	0.34	165.00	4	0.000	0.864	0.561
041.20	3	0.00	1.07	0.26	165.99	29	0.295	2.445	0.643
041.40	4	0.00	1.03	0.27	165.XX	33	0.339	2.422	0.680
041.50	13	- 1.39	3.87	0.50	181.30	15	- 0.20	1.23	0.25
041.60	9	0.00	0.97	0.33	181.XX	17	- 0.19	1.23	0.24
041.99	2	0.00	1.21	0.15	190.00	9	- 0.84	2.69	0.23
041.XX	37	- 0.26	1.77	0.42	190.99	5	0.85	2.12	0.03
048.20	5	0.00	1.05	0.14	190.XX	14	0.34	1.90	0.05
048.XX	7	0.00	1.03	0.11	191.30	14	0.24	1.29	0.16
050.00	16	- 0.04	0.98	0.23	191.XX	15	0.21	1.28	0.14
050.10	2	0.00	1.21	0.13	202.30	13	0.11	1.05	0.21
050.30	5	0.00	1.04	0.18	202.XX	15	0.09	1.04	0.15
050.31	2	0.00	1.22	0.05	221.00	4	28.118	56.242	1.3365
050.50	11	- 0.45	1.76	0.23	221.30	22	34.672	161.55	2.9228
050.51	10	- 0.06	0.98	0.19	221.99	2	- 32.88	46.500	0.5000

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
221.XX	27	32.829	158.34	2.8786					
241.00	12	- 0.31	1.46	0.23					
241.30	41	- 0.36	2.40	0.26					
241.XX	52	- 0.25	1.96	0.22					
251.30	11	0.00	1.00	0.21					
251.XX	12	0.00	1.00	0.21					
261.00	8	- 0.253	1.179	0.366					
261.30	36	- 0.923	2.803	0.276					
261.99	6	0.000	1.036	0.148					
261.XX	51	- 0.786	2.996	0.318					
281.XX	2	0.000	1.164	0.270					
289.30	15	0.01	0.98	0.16					
289.99	2	0.00	1.22	0.02					
289.XX	17	0.02	0.98	0.13					
291.30	15	- 0.30	1.51	0.30					
291.99	2	0.00	1.22	0.02					
291.XX	17	- 0.16	1.19	0.20					
301.30	2	0.00	1.22	0.08					
301.XX	3	0.00	1.10	0.16					
311.99	9	0.00	1.00	0.22					
311.XX	9	0.00	1.00	0.22					
321.00	10	- 0.146	1.036	0.484					
321.30	43	0.427	2.832	0.388					
321.99	3	44.580	77.216	0.516					
321.XX	55	4.421	29.816	0.472					