

- Pass 1 Results for 85 Labs - - Pass 2 Results for 84 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	7	5.09	0.12	0.03	8	5.05	0.16	0.03
Ammoniacal Nitrogen, Other		001.99	11	5.10	0.08	0.02	10	5.10	0.08	0.01
Method Group 001.XX PCT			18	5.09	0.10	0.02	17	5.10	0.10	0.02
Nitrate Nitrogen, Robertson	930.01	002.10	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Nitrate Nitrogen, Jones Modified	930.02	002.20	1	0.06	0.03	0.04	1	0.06	0.03	0.04
Nitrate Nitrogen, Other		002.99	2	0.21	0.22	0.02	2	0.21	0.22	0.02
Method Group 002.XX PCT			4	0.13	0.17	0.02	4	0.13	0.17	0.02
Ammon & Nitrate N, Devarda	892.01	009.10	5	5.14	0.14	0.04	5	5.14	0.14	0.04
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	5.08	0.09	0.04	5	5.08	0.09	0.04
Total Nitrogen, Salicylic	955.04D	010.12	4	5.20	0.11	0.03	4	5.20	0.11	0.03
Total Nitrogen, Combustion		010.60	56	5.15	0.11	0.06	53	5.16	0.10	0.04
Total Nitrogen, Other		010.99	4	5.16	0.07	0.06	4	5.16	0.07	0.06
Method Group 010.XX PCT			69	5.15	0.11	0.06	65	5.16	0.10	0.04
Total Phosphate, Grav Quimociac	962.02	020.10	8	15.12	0.21	0.07	7	15.17	0.16	0.04
Total Phosphate, Spectrometric	958.01	020.20	17	15.23	0.24	0.09	16	15.21	0.23	0.07
Total Phosphate, Alka Quimociac	969.02	020.30	1	15.19	0.02	0.03	1	15.19	0.02	0.03
Total Phosphate, Automated	978.01	020.40	5	15.13	0.24	0.14	5	15.13	0.24	0.14
Total Phosphate, ICP		020.50	9	15.21	0.54	0.34	8	15.25	0.48	0.18
Total Phosphate, Other		020.99	5	14.98	0.44	0.03	4	15.03	0.48	0.01
Method Group 020.XX PCT			45	15.16	0.34	0.14	43	15.16	0.32	0.09
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.04	0.01	0.01	1	0.04	0.01	0.01
Insoluble Phosphate, Automated	978.01	030.40	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Insoluble Phosphate, ICP		030.50	2	0.03	0.01	0.01	2	0.03	0.01	0.01
Method Group 030.XX PCT			5	0.03	0.02	0.01	4	0.02	0.02	0.00
InDir Available Phosphate, Grav Quim ..	960.02	040.10	2	15.12	0.24	0.02	2	15.12	0.24	0.02
InDir Available Phosphate, Spectrometri	960.02	040.20	1	14.97	0.06	0.08	1	14.97	0.06	0.08
InDir Available Phosphate, Automated ..	960.02	040.40	1	15.04	0.08	0.11	1	15.04	0.08	0.11
InDir Available Phosphate, ICP		040.50	1	13.44	0.03	0.04	1	13.44	0.03	0.04
InDir Available Phosphate, Other		040.99	2	14.67	0.70	0.42	2	14.67	0.70	0.42
Method Group 040.XX PCT			7	14.72	0.67	0.16	6	14.81	0.66	0.05
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	11	15.16	0.14	0.05	11	15.16	0.14	0.05
Dir Available Phosphate, Spectrometric	960.03D	041.20	2	15.15	0.29	0.01	2	15.15	0.29	0.01
Dir Available Phosphate, Automated	978.01	041.40	4	15.09	0.23	0.06	4	15.09	0.23	0.06
Dir Available Phosphate, ICP		041.50	10	15.19	0.29	0.20	10	15.19	0.29	0.20
Dir Available Phosphate, EDTA Extract .	993.01	041.60	12	15.22	0.14	0.12	11	15.23	0.13	0.09
Dir Available Phosphate, Other		041.99	3	15.19	0.05	0.04	3	15.19	0.05	0.04
Method Group 041.XX PCT			42	15.18	0.20	0.10	39	15.17	0.19	0.08
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	13.48	0.08	0.08	4	13.48	0.08	0.08

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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, ICP		048.50	1	14.15	0.08	0.11	1	14.15	0.08	0.11
Method Group 048.XX PCT			5	13.61	0.29	0.09	5	13.61	0.29	0.09
Soluble Potash, STPB Oxalate	958.02	050.00	10	28.91	0.24	0.12	10	28.91	0.24	0.12
Soluble Potash, STPB Citrate	969.04	050.10	1	28.90	0.00	0.00	1	28.90	0.00	0.00
Soluble Potash, AA (Oxalate)		050.30	7	28.78	1.16	0.19	8	28.43	1.45	0.19
Soluble Potash, AA (Citrate)		050.31	2	30.01	0.96	1.13	2	30.01	0.96	1.13
Soluble Potash, ICP (Oxalate)		050.50	9	28.72	1.03	0.37	9	28.72	1.03	0.37
Soluble Potash, ICP (Citrate)		050.51	8	29.15	1.04	0.47	8	29.15	1.04	0.47
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	6	29.34	0.70	0.28	6	29.34	0.70	0.28
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	8	29.49	0.48	0.28	8	29.49	0.48	0.28
Soluble Potash, Other		050.99	22	28.96	0.98	0.48	21	28.97	0.93	0.34
Method Group 050.XX PCT			75	29.03	0.95	0.35	71	29.04	0.91	0.26
Free Water, Vacuum Oven	965.08B	060.00	6	0.47	0.14	0.02	6	0.47	0.14	0.02
Free Water, Other		060.99	1	1.96	0.16	0.23	1	1.96	0.16	0.23
Method Group 060.XX PCT			7	0.68	0.56	0.05	6	0.47	0.14	0.02
Acid Soluble Calcium, AA	945.04	101.00	9	1.33	0.13	0.01	9	1.33	0.13	0.01
Acid Soluble Calcium, ICP		101.30	33	1.37	0.12	0.05	32	1.38	0.12	0.04
Acid Soluble Calcium, Other		101.99	4	1.47	0.07	0.10	4	1.47	0.07	0.10
Method Group 101.XX PCT			46	1.37	0.12	0.04	44	1.37	0.12	0.03
Acid Soluble Magnesium, AA	984.01	121.00	11	1.12	0.06	0.03	10	1.12	0.06	0.02
Acid Soluble Magnesium, ICP		121.30	36	1.10	0.07	0.02	35	1.11	0.07	0.02
Acid Soluble Magnesium, Titrimetric ...	964.01	121.70	2	0.98	0.02	0.00	2	0.98	0.02	0.00
Acid Soluble Magnesium, Other		121.99	4	1.12	0.05	0.07	4	1.12	0.05	0.07
Method Group 121.XX PCT			53	1.10	0.07	0.03	49	1.10	0.07	0.02
Water Soluble Magnesium, AA		131.00	2	0.94	0.03	0.04	2	0.94	0.03	0.04
Water Soluble Magnesium, ICP		131.30	3	1.13	0.29	0.03	3	1.13	0.29	0.03
Water Soluble Magnesium, Other		131.99	2	1.13	0.18	0.04	2	1.13	0.18	0.04
Method Group 131.XX PCT			7	1.07	0.22	0.04	7	1.07	0.22	0.04
Sulfur, Gravimetric	980.02a	144.01	13	5.53	0.40	0.11	12	5.52	0.40	0.06
Sulfur, Gravimetric	980.02b	144.02	1	5.04	0.00	0.00	1	5.04	0.00	0.00
Sulfur, Spectrometric		144.70	2	5.36	0.73	0.35	2	5.36	0.73	0.35
Sulfur, Other		144.99	29	5.41	0.37	0.10	28	5.41	0.37	0.08
Method Group 144.XX PCT			46	5.41	0.43	0.11	43	5.39	0.43	0.07
Arsenic, Atomic Absorption		151.00	2	12.83	3.86	0.65	2	12.83	3.86	0.65
Arsenic, ICP		151.30	9	14.25	2.29	0.42	9	14.25	2.29	0.42
Arsenic, Other		151.99	2	15.37	1.79	1.72	2	15.37	1.79	1.72
Method Group 151.XX PPM			13	14.20	2.50	0.65	12	14.01	2.47	0.46
Acid Soluble Boron, Spectrometric	982.01	165.00	7	0.107	0.007	0.002	6	0.107	0.007	0.001
Acid Soluble Boron, Other		165.99	27	0.112	0.012	0.005	24	0.112	0.012	0.003

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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 165.XX PCT			34	0.111	0.011	0.004	31	0.111	0.011	0.003
Water Soluble Boron, Other		171.99	2	0.100	0.008	0.006	2	0.100	0.008	0.006
Cadmium, Atomic Absorption		181.00	2	6.18	0.76	0.65	2	6.18	0.76	0.65
Cadmium, ICP		181.30	12	6.52	0.50	0.27	11	6.43	0.39	0.21
Method Group 181.XX PPM			14	6.47	0.54	0.33	13	6.53	0.48	0.27
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	8	20.64	0.73	0.18	8	20.64	0.73	0.18
Water Soluble Chlorine, Other		190.99	3	20.68	1.62	0.20	3	20.68	1.62	0.20
Method Group 190.XX PCT			11	20.65	1.00	0.18	11	20.65	1.00	0.18
Chromium, ICP		191.30	14	69.17	7.90	2.57	13	68.76	7.96	2.07
Method Group 191.XX PPM			14	69.17	7.90	2.57	13	68.76	7.96	2.07
Acid Soluble Cobalt, AA		202.00	2	16.25	4.99	1.50	2	16.25	4.99	1.50
Acid Soluble Cobalt, ICP	965.11	202.30	13	20.81	3.66	0.68	12	20.48	3.60	0.52
Method Group 202.XX PPM			16	19.36	5.17	0.74	15	18.99	5.12	0.62
Acid Soluble Copper, Atomic Absorption	975.01	221.00	3	0.0002	0.0002	0.0001	3	0.0002	0.0002	0.0001
Acid Soluble Copper, ICP		221.30	11	0.0007	0.0011	0.0003	9	0.0003	0.0003	0.0000
Acid Soluble Copper, Other		221.99	1	0.0002	0.0001	0.0001	1	0.0002	0.0001	0.0001
Method Group 221.XX PCT			15	0.0006	0.0009	0.0003	13	0.0003	0.0003	0.0000
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	11	0.52	0.05	0.02	10	0.53	0.05	0.01
Acid Soluble Iron, ICP		241.30	35	0.53	0.05	0.02	33	0.53	0.06	0.01
Acid Soluble Iron, Other		241.99	3	0.52	0.03	0.04	3	0.52	0.03	0.04
Method Group 241.XX PCT			49	0.53	0.05	0.02	46	0.53	0.05	0.01
Lead, Atomic Absorption		251.00	2	12.34	0.48	0.71	2	12.34	0.48	0.71
Lead, ICP		251.30	13	14.13	3.07	0.69	13	14.13	3.07	0.69
Method Group 251.XX PPM			15	13.89	2.92	0.70	15	13.89	2.92	0.70
Acid Soluble Manganese, AA	972.02a	261.00	7	0.701	0.036	0.027	7	0.701	0.036	0.027
Acid Soluble Manganese, AA	972.02b	261.11	1	0.732	0.021	0.029	1	0.732	0.021	0.029
Acid Soluble Manganese, ICP	972.02a	261.30	32	0.669	0.061	0.021	31	0.670	0.060	0.018
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.732	0.052	0.020	2	0.732	0.052	0.020
Acid Soluble Manganese, Other		261.99	6	0.643	0.094	0.034	6	0.643	0.094	0.034
Method Group 261.XX PCT			49	0.672	0.066	0.024	48	0.673	0.065	0.022
Water Soluble Manganese, Atomic Abs ...	972.03	271.00	1	0.204	0.001	0.001	1	0.204	0.001	0.001
Water Soluble Manganese, ICP	972.03	271.30	3	0.174	0.136	0.020	3	0.174	0.136	0.020
Method Group 271.XX PCT			4	0.181	0.115	0.015	4	0.181	0.115	0.015
Mercury, Atomic Absorption		281.00	1	0.04	0.01	0.01	1	0.04	0.01	0.01
Mercury, Other		281.99	3	0.04	0.01	0.00	3	0.04	0.01	0.00
Method Group 281.XX PPM			4	0.04	0.01	0.00	4	0.04	0.01	0.00
Molybdenum, ICP		289.30	14	6.69	0.79	0.43	14	6.69	0.79	0.43
Molybdenum, Other		289.99	1	7.60	0.11	0.16	1	7.60	0.11	0.16
Method Group 289.XX PPM			15	6.75	0.79	0.42	15	6.75	0.79	0.42

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Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Nickel, Atomic Absorption		291.00	2	22.43	1.27	2.02	2	22.43	1.27	2.02
Nickel, ICP		291.30	13	22.07	2.67	1.03	12	22.11	2.73	0.82
Method Group 291.XX PPM			15	22.12	2.52	1.16	15	22.12	2.52	1.16
Selenium, ICP		301.30	2	1.69	0.20	0.08	2	1.69	0.20	0.08
Selenium, Other		301.99	2	0.33	0.19	0.04	2	0.33	0.19	0.04
Method Group 301.XX PPM			4	1.01	0.75	0.06	4	1.01	0.75	0.06
Sodium, Flame Photometric	974.01	311.30	1	0.50	0.01	0.01	1	0.50	0.01	0.01
Sodium, Other		311.99	8	0.48	0.02	0.02	7	0.48	0.02	0.01
Method Group 311.XX PCT			9	0.49	0.02	0.02	8	0.48	0.02	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	12	0.225	0.014	0.003	11	0.224	0.014	0.002
Acid Soluble Zinc, ICP		321.30	37	0.220	0.022	0.007	36	0.219	0.022	0.006
Acid Soluble Zinc, Other		321.99	3	0.223	0.008	0.013	3	0.223	0.008	0.013
Method Group 321.XX PCT			52	0.221	0.020	0.006	49	0.223	0.017	0.006
Water Soluble Zinc, ICP.....		325.30	2	0.153	0.026	0.005	2	0.153	0.026	0.005
Water Soluble Zinc, Other		325.99	1	0.238	0.008	0.012	1	0.238	0.008	0.012
Method Group 325.XX PCT			3	0.181	0.049	0.007	3	0.181	0.049	0.007

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: 009.10 PCT			Meth: 010.60 PCT			Meth: 010.60 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Ammon & Nitrate N</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>			<u>Devarda</u>			<u>Combustion</u>			<u>Combustion</u>			<u>Combustion</u>		
444	5.31	1.66	456	5.10	.11	444	5.38	1.73	351	5.35	1.89	035	5.12	-.59
258	5.15	.62	Avg	5.10		258	5.17	.25	402	5.34	1.70	360	5.10	-.64
456	5.10	.33	486	5.08	-.25	Avg	5.14		419	5.33	1.68	105	5.09	-.68
486	5.08	.18	169	5.07	-.35	169	5.07	-.51	451	5.16 R	1.38	057	5.10	-.69
169	5.07	.11	232	5.03	-.71	090	5.06	-.72	275	5.30	1.37	042	5.08	-.77
Avg	5.09		489	5.03	-.76	489	5.03	-.83	131	5.27	1.03	234	5.08	-.86
232	5.03	-.11	419	5.02	-.87	309	3.31 s	-13.17	055	5.26	.94	489	5.07	-.89
230	4.90	-.98	027	5.02 R	-.93	Meth: 010.11 PCT			041	5.21	.92	233	5.08	-.89
415	4.76 S	-1.80	487	4.99 X	-1.12	<u>Total Nitrogen</u>			354	5.24	.81	324	5.05	-1.13
481	4.62 S	-2.68	230	4.90	-2.14	<u>Modified Comprehensive</u>			377	5.23	.75	472	5.03	-1.24
Meth: 001.99 PCT			415	4.76 s	-3.51	220	5.20	1.44	043	5.23	.70	260	5.07	-1.24
<u>Ammoniacal Nitrogen</u>			481	4.62 s	-4.96	309	5.13	.54	028	5.23	.65	421	5.02	-1.32
<u>Other</u>			Meth: 002.10 PCT			105	5.10	.39	049	5.18	.65	157	5.01	-1.47
137	5.25	1.89	<u>Nitrate Nitrogen</u>			Avg	5.08		096	5.22	.60	027	4.99	-1.58
220	5.16	.77	<u>Robertson</u>			211	5.00	-.91	095	5.22	.60	262	4.96	-1.95
096	5.15	.53	486	0.04	.00	470	4.99	-1.07	485	5.21	.57	255	4.96 R	-2.24
474	5.14	.46	Meth: 002.20 PCT			Meth: 010.12 PCT			073	5.21	.50	368	4.92	-2.30
479	5.13	.27	<u>Nitrate Nitrogen</u>			<u>Total Nitrogen</u>			232	5.18	.46	Meth: 010.99 PCT		
177	5.11	.05	<u>Jones Modified</u>			<u>Salicylic</u>			325	5.20	.41	<u>Total Nitrogen</u>		
Avg	5.10		029	0.06	-.71	481	15.67 s	94.39	177	5.20	.39	<u>Other</u>		
255	5.08	-.26	Meth: 002.99 PCT			455	5.35	1.34	405	5.19	.33	487	5.70 S	7.61
489	5.03	-1.04	<u>Nitrate Nitrogen</u>			254	5.23	.24	117	5.18	.24	460	5.25	1.43
419	5.02	-1.17	<u>Other</u>			Avg	5.20		029	5.18	.22	200	5.17 X	.22
027	5.02 R	-1.24	481	0.40	.87	415	5.17	-.27	488	5.17	.15	Avg	5.16	
487	4.99 X	-1.50	Avg	0.21		185	5.07	-1.26	Avg	5.16	-.13	300	5.14	-.64
Meth: 001.XX PCT			258	0.02	-.87	Meth: 010.60 PCT			086	5.16	-.13	255	5.09	-.99
<u>Ammoniacal Nitrogen</u>			Meth: 002.XX PCT			<u>Total Nitrogen</u>			231	5.15	-.13	Meth: 010.XX PCT		
444	5.31	2.22	<u>Nitrate Nitrogen</u>			<u>Combustion</u>			102	5.13	-.26	<u>Total Nitrogen</u>		
137	5.25	1.57	481	0.40	1.61	479	5.85 s	6.64	486	5.15	-.27	481	15.67 s	101.70
220	5.16	.67	Avg	0.13		483	5.61 s	5.30	230	5.12	-.43	479	5.85 s	6.71
258	5.15	.51	029	0.06	-.42	443	5.65 s	4.74	023	5.14	-.48	483	5.61 s	5.36
096	5.15	.49	486	0.04	-.54	423	5.20 R	2.00	450	5.15	-.48	487	5.70 s	5.26
474	5.14	.43	258	0.02	-.67	406	5.36	1.94	040	5.15	-.48	443	5.65 s	4.80
479	5.13	.28	Meth: 002.99 PCT			007	5.35	1.91	136	5.11	-.54	423	5.20 R	2.02
177	5.11	.11	<u>Nitrate Nitrogen</u>			Meth: 010.60 PCT			389	5.10	-.55	406	5.36	1.97
<u>Other</u>			<u>Combustion</u>			<u>Total Nitrogen</u>			422	5.10	-.58	<u>Other</u>		

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.10 PCT			Meth: 020.40 PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
007	5.35	1.94	300	5.14	-.42	<u>Grav Quimociac</u>			<u>Automated</u>			324	15.55 R	1.46
351	5.35	1.92	230	5.12	-.42	041	15.18	.05	456	15.51	1.58	444	15.57	1.32
455	5.35	1.88	023	5.14	-.48	Avg	15.17		Avg	15.13		389	15.55	1.24
402	5.34	1.73	450	5.15	-.49	300	15.05	-.78	105	15.13	-.23	421	15.55	1.24
419	5.33	1.71	040	5.15	-.49	444	14.87	-1.95	035	15.10	-.31	415	15.52	1.14
275	5.30	1.39	136	5.11	-.53	157	14.75 R	-2.83	096	15.08	-.33	456	15.51	1.10
451	5.16 R	1.39	389	5.10	-.54	Meth: 020.20 PCT			042	14.86	-1.32	169	15.50	1.06
131	5.27	1.05	422	5.10	-.58	Total Phosphate			Meth: 020.50 PCT			489	15.46	.94
460	5.25	1.03	035	5.12	-.59	<u>Spectrometric</u>			Total Phosphate			292	15.39	.72
055	5.26	.96	105	5.10	-.62	324	15.55 R	1.89	<u>ICP</u>			406	15.37	.66
041	5.21	.93	255	5.09	-.62	415	15.52	1.41	451	15.78	1.13	487	15.29 X	.54
354	5.24	.83	360	5.10	-.64	169	15.50	1.29	444	15.57	.70	090	15.33	.52
377	5.23	.77	105	5.09	-.68	489	15.46	1.13	389	15.55	.64	211	15.30	.44
220	5.20	.73	057	5.10	-.68	292	15.39	.82	421	15.55	.64	402	15.27	.36
043	5.23	.72	042	5.08	-.76	406	15.37	.73	402	15.27	.10	470	15.26	.30
254	5.23	.71	234	5.08	-.85	487	15.29 X	.62	Avg	15.25		479	15.25	.29
028	5.23	.67	489	5.07	-.88	479	15.25	.23	368	15.12	-.51	231	15.23	.24
049	5.18	.65	233	5.08	-.89	231	15.23	.17	371	14.85	-.83	232	15.22	.18
096	5.22	.62	185	5.07	-.89	232	15.22	.08	422	14.96 R	-1.81	105	15.21	.15
095	5.22	.62	324	5.05	-1.13	Avg	15.21		157	14.30	-1.99	095	15.19	.09
485	5.21	.58	472	5.03	-1.23	258	15.15	-.33	255	13.47 S	-3.72	041	15.18	.05
073	5.21	.52	260	5.07 R	-1.25	234	15.15	-.36	483	6.76 s	-17.71	Avg	15.16	
232	5.18	.47	421	5.02	-1.32	450	15.11	-.44	Meth: 020.99 PCT			460	15.12	-.15
325	5.20	.42	157	5.01	-1.47	419	15.11	-.49	Total Phosphate			258	15.15	-.16
177	5.20	.41	211	5.00	-1.51	474	15.01	-.91	<u>Other</u>			234	15.15	-.18
405	5.19	.34	027	4.99	-1.58	200	14.81 X	-1.75	322	15.69	1.38	450	15.11	-.19
117	5.18	.25	470	4.99	-1.66	309	14.74	-2.08	460	15.12	.18	105	15.13	-.21
029	5.18	.24	262	4.96	-1.96	428	13.06 s	-9.53	Avg	15.03		419	15.11	-.23
292	5.18	.19	255	4.96 R	-2.25	Meth: 020.30 PCT			137	14.87	-.34	035	15.10	-.29
415	5.17	.17	368	4.92	-2.31	Total Phosphate			455	14.75 R	-.60	096	15.08	-.32
200	5.17 X	.17	Meth: 020.10 PCT			<u>Alka Quimociac</u>			275	14.45	-1.21	300	15.05	-.36
488	5.17	.17	Total Phosphate			095	15.19	.71	Meth: 020.XX PCT			474	15.01	-.51
Avg	5.16		<u>Grav Quimociac</u>			Meth: 020.XX PCT			<u>Total Phosphate</u>			368	15.12	-.67
231	5.15	-.12	090	15.33	1.01	Total Phosphate			451	15.78	1.98	137	14.87	-.92
086	5.16	-.13	211	15.30	.84	Avg			322	15.69	1.68	444	14.87	-.94
102	5.13	-.25	470	15.26	.55	Meth: 020.XX PCT			Total Phosphate			371	14.85	-.99
486	5.15	-.26	105	15.21	.25	Total Phosphate			451	15.78	1.98	042	14.86	-1.08
309	5.13	-.27				Avg			322	15.69	1.68	200	14.81 X	-1.11

* 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: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.50 PCT			Meth: 041.99 PCT		
<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
455	14.75	-1.31	255	0.02	-.10	300	14.91	.15	ICP			485	15.15	-1.04
309	14.74	-1.34	090	0.00	-1.47	Avg	14.81		377	15.55	1.27			
157	14.75	-1.38	Meth: 040.10 PCT			488	14.14 R	-1.19	007	15.48	1.13	Meth: 041.XX PCT		
275	14.45	-2.24	<u>InDir Available Phos</u>			255	13.44	-2.08	360	15.30	.77	<u>Dir Available Phosph</u>		
422	14.96 R	-2.65	<u>Grav Quim</u>			Meth: 041.10 PCT			423	15.36	.64	<u>Other</u>		
157	14.30	-2.74	090	15.33	.87	<u>Dir Available Phosph</u>			043	15.34	.53	377	15.55	1.99
255	13.47 s	-5.35	Avg	15.12		<u>Grav Quimociac</u>			040	15.20	.04	007	15.48	1.78
428	13.06 s	-6.64	300	14.91	-.86	254	15.48	2.19	Avg	15.19		254	15.48	1.58
483	6.76 s	-26.53	Meth: 040.20 PCT			070	15.30	1.07	055	15.03	-.62	029	15.39 R	1.51
Meth: 030.10 PCT			<u>InDir Available Phos</u>			185	15.22	.64	368	15.07	-.67	095	15.44	1.40
<u>Insoluble Phosphate</u>			<u>Spectrometri</u>			260	15.22	.39	023	14.83	-1.36	360	15.30 R	1.20
<u>Grav Quimociac</u>			474	14.97	.71	177	15.16	.06	486	14.75	-1.63	262	15.40	1.19
090	0.00	.00	Meth: 040.40 PCT			Avg	15.16		325	14.55 S	-2.39	423	15.36	1.05
Meth: 030.20 PCT			<u>InDir Available Phos</u>			105	15.13	-.24	354	11.94 s	-11.32	231	15.35	.94
<u>Insoluble Phosphate</u>			<u>Automated</u>			086	15.15	-.26	Meth: 041.60 PCT			043	15.34	.88
<u>Spectrometric</u>			096	15.04	.71	055	15.08	-.60	<u>Dir Available Phosph</u>			070	15.30	.75
474	0.04	-.71	Meth: 040.50 PCT			049	15.06	-.73	<u>EDTA Extract</u>			351	15.31	.73
Meth: 030.40 PCT			<u>InDir Available Phos</u>			131	15.04	-.86	029	15.39	1.97	105	15.26	.59
<u>Insoluble Phosphate</u>			<u>ICP</u>			102	14.95	-1.49	231	15.35	1.00	043	15.28	.54
<u>Automated</u>			255	13.44	.71	Meth: 041.20 PCT			351	15.31	.70	028	15.27	.49
096	0.04	.00	Meth: 040.99 PCT			<u>Dir Available Phosph</u>			105	15.26	.61	185	15.22	.44
Meth: 030.50 PCT			<u>InDir Available Phos</u>			<u>Spectrometric</u>			043	15.28	.38	105	15.23	.37
<u>Insoluble Phosphate</u>			<u>Other</u>			Avg	15.15		028	15.27	.30	260	15.22	.23
<u>ICP</u>			479	15.21	.77	419	14.91	-.87	Avg	15.23		040	15.20	.15
479	0.04	1.03	Meth: 041.40 PCT			262	15.40	.87	220	15.17	-.49	230	15.20	.15
Avg	0.03		<u>Dir Available Phosph</u>			Avg	15.15		177	15.16	-.56	Avg	15.17	
255	0.02	-.67	<u>Automated</u>			495	15.44	1.52	136	15.12	-.85	220	15.17	-.04
Meth: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.99 PCT			117	15.10	-1.00	177	15.16	-.06
<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			057	15.11	-1.50	177	15.16	-.09
479	0.04 R	1.09	090	15.33	.78	<u>Automated</u>			073	15.17 R	-1.71	485	15.15	-.16
096	0.04	.92	479	15.21	.59	Avg	15.09		Meth: 041.99 PCT			086	15.15	-.23
474	0.04	.70	479	15.21	.59	131	15.08	-.12	<u>Dir Available Phosph</u>			105	15.13	-.24
Avg	0.02		096	15.04	.35	472	14.94	-.65	<u>Other</u>			136	15.12	-.27
Meth: 030.10 PCT			474	14.97	.24	027	14.90	-.87	105	15.23	1.18	117	15.10	-.37
<u>Insoluble Phosphate</u>			Meth: 040.10 PCT			Meth: 041.50 PCT			230	15.20	.18	055	15.08	-.51
<u>Grav Quimociac</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			Avg	15.19		131	15.08	-.52
<u>Spectrometric</u>			<u>Other</u>			<u>Other</u>						049	15.06	-.61
<u>Automated</u>			<u>ICP</u>			<u>Grav Quimociac</u>						131	15.04	-.71
<u>ICP</u>			<u>Grav Quimociac</u>			<u>Grav Quimociac</u>								

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.XX PCT			Meth: 050.00 PCT			Meth: 050.31 PCT			Meth: 050.60 PCT			Meth: 050.99 PCT		
<u>Dir Available Phosph</u>			Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash		
055	15.03	-.84	<u>STPB Oxalate</u>			<u>AA (Citrate)</u>			<u>Flame (Oxalate)</u>			<u>Other</u>		
057	15.11	-.85	220	30.28 s	5.81	Avg	30.01		415	29.65	.77	402	28.65	-.41
368	15.07	-.95	102	29.10	.90	472	29.77	-1.20	Avg	29.34		444	28.37	-.65
073	15.17 R	-1.09	211	29.12	.88	Meth: 050.50 PCT			200	29.13 X	-.32	042	28.42	-.67
102	14.95	-1.18	057	29.08	.87	Soluble Potash			105	28.77	-.88	488	28.50	-.74
472	14.94	-1.21	049	29.08	.70	<u>ICP (Oxalate)</u>			169	28.40	-1.36	232	27.87	-1.19
419	14.91	-1.39	489	29.04	.55	292	30.24	1.47	Meth: 050.61 PCT			137	27.49	-1.59
027	14.90	-1.46	055	28.95	.17	324	29.85	1.10	Soluble Potash			474	28.69 R	-1.77
023	14.83	-1.95	Avg	28.91		086	28.93	.58	<u>Flame (Citrate)</u>			255	26.91	-2.21
486	14.75	-2.35	231	28.89	-.24	354	28.96	.48	095	30.28	1.66	Meth: 050.XX PCT		
325	14.55 s	-3.49	470	28.86	-.25	444	29.02	.37	456	29.83	.70	<u>Soluble Potash</u>		
354	11.94 s	-16.85	090	28.54	-1.63	Avg	28.72		041	29.62	.48	073	33.14 s	4.56
Meth: 048.20 PCT			258	28.50	-1.89	419	28.46	-.26	029	29.69	.42	451	30.62	1.75
Water Soluble Phosph			230	26.40 s	-10.69	055	28.27	-.46	Avg	29.49		322	30.57	1.69
<u>Spectrometric</u>			Meth: 050.10 PCT			Meth: 050.51 PCT			Meth: 050.99 PCT			0423 30.41 1.53		
479	13.56	1.00	Soluble Potash			Soluble Potash			Soluble Potash			472 29.77 R 1.49		
487	13.48 X	.24	<u>STPB Citrate</u>			<u>ICP (Citrate)</u>			Other			095 30.28 1.38		
Avg	13.48		117	28.90	.00	422	24.13 S	-4.51	057	28.97	-1.16	309	30.28	1.37
096	13.47	-.84	Meth: 050.30 PCT			Meth: 050.60 PCT			035	29.10	-1.22	220	30.28	1.37
474	13.40	-1.32	Soluble Potash			Soluble Potash			Meth: 050.99 PCT			254	30.25	1.34
Meth: 048.50 PCT			<u>AA (Oxalate)</u>			423 30.41 1.22			Soluble Potash			292	30.24	1.32
Water Soluble Phosph			073	33.14 S	3.27	486	29.80	.64	Other			406	30.15	1.23
<u>ICP</u>			309	30.28	1.28	377	29.76	.59	451	30.62	1.77	487	29.98 X	1.04
444	14.15	.71	262	29.73	.90	007	29.37	.48	322	30.57	1.71	450	29.69 R	.96
Meth: 048.XX PCT			185	29.05	.43	023	29.40	.27	455	29.90	.99	455	29.90	.95
<u>Water Soluble Phosph</u>			040	28.80	.27	Avg	29.15		460	29.90	.99	460	29.90	.95
444	14.15	1.84	136	28.70	.20	043	29.14	-.04	450	29.69	.99	324	29.85	.90
Avg	13.61		Avg	28.78		389	28.15	-.98	325	29.30	.64	456	29.83	.87
479	13.56	-.17	234	28.43	-.19	485	27.20 X	-2.00	027	29.40	.60	486	29.80	.86
487	13.48 X	-.45	351	26.47	-1.35	483	24.45 s	-4.55	177	29.23	.29	415	29.65	.83
096	13.47	-.53	428	25.96 S	-1.70	Meth: 050.60 PCT			368	29.02	.23	377	29.76	.80
474	13.40	-.78	Meth: 050.31 PCT			Soluble Potash			360	28.99	.15	262	29.73	.76
			Soluble Potash			<u>Flame (Oxalate)</u>			043	29.10	.14	029	29.69	.72
			<u>AA (Citrate)</u>			406 30.15 1.16			Avg	28.97		041	29.62	.68
			254	30.25	.25	487	29.98 X	.91	105	28.93	-.11	325	29.30	.62
									275	28.90	-.28	007	29.37	.62
									131	28.70	-.29	027	29.40	.56

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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.XX PCT			Meth: 050.XX PCT			Meth: 060.XX PCT			Meth: 101.30 PCT			Meth: 101.XX PCT		
<u>Soluble Potash</u>			<u>Soluble Potash</u>			<u>Free Water</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>		
035	29.10	.50	042	28.42	-.75	474	0.53	.43	ICP			483	1.82 s	3.99
023	29.40	.42	488	28.50	-.81	Avg	0.47		009	1.38	.32	444	1.78 s	3.47
131	29.41	.41	055	28.27	-.86	007	0.44	-.21	419	1.41	.28	230	1.70 s	2.91
177	29.23	.23	389	28.15	-.99	096	0.44	-.29	479	1.40	.26	231	1.69	2.67
057	29.08	.14	371	28.05	-1.10	489	0.22	-1.83	354	1.39	.23	049	1.58	1.77
102	29.10	.13	232	27.87	-1.29				023	1.40	.21	042	1.50 R	1.38
043	29.14	.12	137	27.49	-1.71	Meth: 101.00 PCT			035	1.40	.20	220	1.53	1.34
200	29.13 X	.12	474	28.69 R	-1.84	Acid Soluble Calcium			300	1.40	.19	450	1.49	1.03
211	29.12	.09	485	27.20 R	-2.17	<u>AA</u>			095	1.38	.03	489	1.48	.92
043	29.10	.09	255	26.91	-2.35	105	1.48	1.19	Avg	1.38		105	1.48	.90
185	29.05	.06	157	26.75	-2.52	177	1.45	1.00	368	1.37	-.06	131	1.46	.76
049	29.08	.06	351	26.47	-2.83	040	1.41	.65	389	1.36	-.18	105	1.46	.75
489	29.04	.03	230	26.40	-2.91	055	1.36	.26	324	1.34	-.38	488	1.43	.71
Avg	29.04		428	25.96 s	-3.40	258	1.34	.13	102	1.31	-.56	177	1.45	.69
105	29.01	-.06	483	24.45 s	-5.08	028	1.34	.07	472	1.31	-.67	096	1.45	.65
055	28.95	-.11	422	24.13 s	-5.45	Avg	1.33		027	1.30	-.68	057	1.45	.64
117	28.90	-.15				043	1.31	-.21	360	1.28	-.90	041	1.38	.60
360	28.99	-.16	Meth: 060.00 PCT			029	1.21	-.95	474	1.30	-.92	232	1.39	.50
105	28.93	-.16	Free Water			481	1.06	-2.15	255	1.25	-1.10	421	1.42	.42
231	28.89	-.17	<u>Vacuum Oven</u>						157	1.25	-1.22	090	1.39	.37
470	28.86	-.20	479	0.64	1.22	Meth: 101.30 PCT			433	1.22	-1.38	423	1.42	.36
368	29.02	-.24	456	0.55	.60	Acid Soluble Calcium			422	1.25 R	-1.85	009	1.38	.32
057	28.97	-.25	474	0.53	.43	<u>ICP</u>			486	1.05	-2.85	419	1.41	.32
444	29.02	-.27	Avg	0.47		483	1.82 s	4.03				040	1.41	.32
040	28.80	-.28	007	0.44	-.21	444	1.78 S	3.49	Meth: 101.70 PCT			479	1.40	.29
275	28.90	-.31	096	0.44	-.29	230	1.70 S	2.93	Acid Soluble Calcium			023	1.40	.25
131	28.70	-.37	489	0.22	-1.83	231	1.69	2.67	<u>Titrimetric</u>			354	1.39	.24
105	28.77	-.38				049	1.58	1.76	415 0.88 S .00			300	1.40	.23
136	28.70	-.39	Meth: 060.99 PCT			220	1.53	1.32	Meth: 101.99 PCT			035	1.40	.23
354	28.96	-.48	Free Water			450	1.49	1.01	Acid Soluble Calcium			095	1.38	.06
402	28.65	-.48	<u>Other</u>			131	1.46	.73	<u>Other</u>			Avg	1.37	
090	28.54	-.56	443	1.96	-.71	096	1.45	.62	042 1.50 1.50			368	1.37	-.01
258	28.50	-.62				041	1.38	.61	489 1.48 .51			055	1.36	-.11
086	28.93	-.63	Meth: 060.XX PCT			057	1.45	.61	Avg 1.47			389	1.36	-.14
419	28.46	-.64	<u>Free Water</u>			232	1.39	.50	105 1.46 -.10			258	1.34	-.29
169	28.40	-.71	443	1.96 R	10.82	421	1.42	.39	488 1.43 -1.00			324	1.34	-.33
234	28.43	-.74	479	0.64	1.22	090	1.39	.36				028	1.34	-.33
444	28.37	-.74	456	0.55	.60	423	1.42	.32				102	1.31	-.51

* 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: 101.XX PCT			Meth: 121.30 PCT			Meth: 121.70 PCT			Meth: 121.XX PCT			Meth: 131.00 PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Water Soluble Magnes</u>		
043	1.31	-.59	ICP			Titrimetric			177	1.13	.43	AA		
472	1.31	-.62	300	1.20	1.30	489	1.45 S	20.75	105	1.12	.42	309	0.94	1.13
027	1.30	-.62	049	1.19	1.17	230	1.00	.87	131	1.13	.40	Avg	0.94	
360	1.28	-.84	009	1.18	1.03	Avg	0.98		368	1.13	.31	029	0.93	-.47
474	1.30	-.86	096	1.16	.67	415	0.96	-.87	043	1.13	.31			
255	1.25	-1.04	472	1.14	.63	Meth: 121.99 PCT			450	1.13	.31	Meth: 131.30 PCT		
157	1.25	-1.16	023	1.15	.53	<u>Acid Soluble Magnesi</u>			423	1.12	.27	<u>Water Soluble Magnes</u>		
433	1.22	-1.31	090	1.11	.42	<u>Other</u>			027	1.11	.21	<u>ICP</u>		
029	1.21	-1.41	131	1.13	.35	042	1.15	1.25	035	1.11	.09	444	1.51	1.29
422	1.25 R	-1.79	450	1.13	.26	488	1.12	1.06	Avg	1.10		Avg	1.13	
481	1.06	-2.71	368	1.13	.26	Avg	1.12		419	1.10	-.05	486	0.97	-.56
486	1.05	-2.75	423	1.12	.24	105	1.12	-.55	095	1.10	-.13	230	0.92	-.73
415	0.88 s	-4.20	035	1.11	.04	460	1.09	-.71	057	1.09	-.20			
			Avg	1.11					389	1.09	-.24	Meth: 131.99 PCT		
			419	1.10	-.10	Meth: 121.XX PCT			460	1.09	-.28	<u>Water Soluble Magnes</u>		
			095	1.10	-.16	<u>Acid Soluble Magnesi</u>			055	1.08	-.34	<u>Other</u>		
			027	1.11	-.21	444	1.80 s	9.81	481	1.10	-.38	200	1.29 X	.86
			057	1.09	-.25	489	1.45 s	4.91	102	1.07	-.45	Avg	1.13	
			389	1.09	-.28	220	1.27	2.29	258	1.08	-.46	027	0.98	-.87
			055	1.08	-.38	483	1.26	2.20	255	1.06	-.65			
			102	1.07	-.50	231	1.24	1.86	479	1.06	-.75	Meth: 131.XX PCT		
			258	1.08	-.50	421	1.21	1.51	324	1.05	-.84	<u>Water Soluble Magnes</u>		
			255	1.06	-.70	300	1.20	1.36	232	1.04	-.89	444	1.51	1.95
			479	1.06	-.79	049	1.19	1.23	422	1.05	-.91	200	1.29 X	.96
			324	1.05	-.88	009	1.18	1.09	360	1.03	-1.06	Avg	1.07	
			232	1.04	-.93	309	1.18	1.07	157	1.03	-1.06	027	0.98	-.46
			422	1.05	-.94	105	1.17	.97	486	1.03	-1.06	486	0.97	-.49
			157	1.03	-1.10	042	1.15 R	.97	041	1.03	-1.12	309	0.94	-.62
			486	1.03	-1.10	157	1.11 R	.92	262	1.02	-1.19	029	0.93	-.63
			360	1.03	-1.10	028	1.16	.81	029	1.02	-1.26	230	0.92	-.72
			041	1.03	-1.16	488	1.12 R	.75	433	1.00	-1.42			
			433	1.00	-1.46	096	1.16	.73	230	1.00	-1.47	Meth: 144.01 PCT		
			354	1.00	-1.58	472	1.14	.66	354	1.00	-1.55	<u>Sulfur</u>		
			474	0.99 R	-1.88	023	1.15	.59	474	0.99 R	-1.86	<u>Gravimetric</u>		
						040	1.14	.49	415	0.96	-2.03	043	6.13	1.51
						169	1.14	.45				157	5.65 R	.93
						090	1.11	.43				029	5.79	.66
												262	5.76	.58

* 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: 144.01 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT			Meth: 151.00 PPM			Meth: 151.XX PPM		
Sulfur			Sulfur			Sulfur			Arsenic			Arsenic		
<u>Gravimetric</u>			<u>Other</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>		
055	5.73	.51	200	5.56 X	.39	479	5.68	.68	Avg	12.83		230	13.40	-.25
041	5.69	.42	232	5.52	.39	095	5.68	.68	481	9.50	-.87	096	13.75	-.28
095	5.68	.39	027	5.41	.28	450	5.63	.55				486	12.17	-.75
324	5.56	.09	351	5.51	.26	275	5.60	.49	Meth: 151.30 PPM			474	9.50	-1.83
Avg	5.52		423	5.48	.19	023	5.55	.40	Arsenic			481	9.50	-1.83
444	5.52	.00	389	5.45	.17	324	5.56	.39	<u>ICP</u>			Meth: 165.00 PCT		
057	5.49	-.09	177	5.46	.15	200	5.56 X	.39	450	22.85 S	3.76	Acid Soluble Boron		
102	5.46	-.17	419	5.46	.13	232	5.52	.37	095	17.11	1.25	<u>Spectrometric</u>		
481	4.83	-1.73	Avg	5.41		444	5.52	.31	049	16.09	.81	023	0.117	1.46
230	4.65	-2.19	472	5.38	-.09	351	5.51	.27	368	15.80	.70	029	0.111	.60
			368	5.40	-.14	027	5.41	.25	009	15.30	.46	481	0.110	.44
			300	5.30	-.29	423	5.49	.24	Avg	14.25		220	0.107	
Meth: 144.02 PCT			009	5.27	-.39	389	5.45	.18	096	13.75	-.36	055	0.106 R	-.59
Sulfur			096	5.24	-.44	102	5.46	.18	230	13.40	-.37	489	0.100	-1.01
<u>Gravimetric</u>			488	5.37 R	-.72	177	5.46	.18	486	12.17	-.91	057	0.098	-1.33
292	5.04	.00	360	4.77	-1.72	419	5.46	.16	474	9.50	-2.09	Meth: 165.99 PCT		
			422	4.66	-2.04	368	5.40	.12	Meth: 151.99 PPM			Acid Soluble Boron		
Meth: 144.70 PCT			255	4.56	-2.26	Avg	5.39		Arsenic			<u>Other</u>		
Sulfur			354	4.41	-2.69	472	5.38	-.05	<u>Other</u>			422	0.145 S	2.81
<u>Spectrometric</u>			131	4.22 s	-3.20	300	5.30	-.21	220	16.50	1.04	200	0.140 X	2.36
474	5.95	.92				009	5.27	-.30	Avg	15.37		043	0.138	2.19
Avg	5.36		Meth: 144.XX PCT			096	5.24	-.34	086	14.25	-.64	368	0.132	1.73
486	4.77	-.81	<u>Sulfur</u>			488	5.37 R	-.62	Meth: 151.XX PPM			450	0.125	1.13
			043	6.13	1.73	292	5.04	-.81	Arsenic			444	0.120 R	1.09
Meth: 144.99 PCT			474	5.95 R	1.51	481	4.83	-1.32	<u>Atomic Absorption</u>			231	0.120 R	1.09
Sulfur			157	5.65 R	1.02	486	4.77	-1.44	450	22.85 s	3.58	483	0.123	.91
<u>Other</u>			220	5.82	1.01	360	4.77	-1.45	095	17.11	1.25	136	0.115	.50
220	5.82	1.10	029	5.79	.93	422	4.66	-1.74	220	16.50 R	1.18	433	0.115	.28
483	5.78	.98	483	5.78	.90	230	4.65	-1.74	136	16.15	.87	095	0.112	.03
049	5.75	.98	049	5.75	.89	255	4.56	-1.93	049	16.09	.84	Avg	0.112	
444	5.76	.94	444	5.76	.86	354	4.41	-2.30	368	15.80	.74	419	0.110	-.13
102	5.70	.78	262	5.76	.86	131	4.22	-2.74	009	15.30	.52	421	0.110	-.13
421	5.69	.75	055	5.73	.79	Meth: 151.00 PPM			102	15.11	.44	300	0.110	-.13
157	5.68	.73	102	5.70	.72	Arsenic			086	14.25	.13	389	0.110	-.13
479	5.68	.73	421	5.69	.70	<u>Atomic Absorption</u>			Avg	14.01		090	0.110	-.18
450	5.63	.58	041	5.69	.70	136	16.15	.86						
275	5.60	.51	157	5.68	.68									
023	5.55	.41												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 165.99 PCT			Meth: 165.XX PCT			Meth: 181.30 PPM			Meth: 190.00 PCT			Meth: 191.30 PPM		
<u>Acid Soluble Boron</u>			<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Water Soluble Chlori</u>			<u>Chromium</u>		
<u>Other</u>			<u>ICP</u>			<u>Titrimetric</u>			<u>ICP</u>					
232	0.108	-.29	220	0.106	-.41	102	6.60	.45	444	20.38	-.36	009	80.55	1.48
258	0.108	-.34	009	0.106	-.53	Avg	6.43		422	19.77	-1.19	220	79.00	1.29
009	0.106	-.56	055	0.106	-.54	232	6.43	-.45	220	19.51	-1.54	450	74.50 R	.92
360	0.105	-.59	360	0.105	-.54	220	6.40	-.52				096	75.85	.89
354	0.105	-.69	354	0.105	-.67	486	6.11	-.87	Meth: 190.99 PCT			049	72.43	.52
472	0.103	-.72	472	0.103	-.68	035	6.09	-.90	<u>Water Soluble Chlori</u>			035	71.25	.34
423	0.103	-.76	423	0.103	-.72	368	5.95	-1.25	<u>Other</u>			102	70.77	.25
042	0.110 R	-.84	255	0.101	-.85	230	5.93	-1.30	027	22.10	.87	419	70.00	.16
255	0.101	-.88	042	0.110 R	-.90	Meth: 181.XX PPM			389	21.30	.39	Avg	68.76	
486	0.100	-.96	489	0.100	-.94	<u>Cadmium</u>			Avg	20.68		368	67.90	-.20
324	0.098	-1.14	486	0.100	-.94	096	8.75 s	4.60	157	18.65	-1.26	232	68.70	-.38
230	0.094	-1.47	324	0.098	-1.13	474	7.50	2.26	368	16.02 S	-2.90	230	65.45	-.42
Meth: 165.XX PCT			057	0.098	-1.14	009	7.01	1.10	Meth: 190.XX PCT			027	60.44	-1.05
<u>Acid Soluble Boron</u>			230	0.094	-1.49	095	6.82	.59	<u>Water Soluble Chlori</u>			474	59.00	-1.33
422	0.145 s	3.12	Meth: 171.99 PCT			419	6.75	.55	027	22.10	1.44	486	52.55	-2.04
200	0.140 X	2.64	<u>Water Soluble Boron</u>			450	6.66	.46	481	21.64	.98	Meth: 191.XX PPM		
043	0.138	2.45	<u>Other</u>			136	6.70	.40	105	21.36	.72	<u>Chromium</u>		
368	0.132	1.96	444	0.105	.97	102	6.60	.15	389	21.30	.65	481	96.00 s	3.61
450	0.125	1.31	Avg	0.100		Avg	6.53		230	21.05	.47	009	80.55	1.48
444	0.120 R	1.23	027	0.094	-.75	232	6.43	-.43	029	20.97	.33	220	79.00	1.29
231	0.120 R	1.23	Meth: 181.00 PPM			220	6.40	-.50	Avg	20.65		450	74.50 R	.92
483	0.123	1.07	<u>Cadmium</u>			486	6.11	-.91	043	20.45	-.20	096	75.85	.89
136	0.115	.60	<u>Atomic Absorption</u>			035	6.09	-.94	444	20.38	-.27	049	72.43	.52
023	0.117	.59	136	6.70	.70	368	5.95	-1.22	422	19.77	-.88	035	71.25	.34
433	0.115	.39	Avg	6.18		230	5.93	-1.25	220	19.51	-1.14	102	70.77	.25
095	0.112	.13	481	5.65	-1.00	481	5.65 R	-2.16	157	18.65	-2.00	419	70.00	.16
029	0.111	.10	Meth: 181.30 PPM			Meth: 190.00 PCT			368	16.02 s	-4.64	Avg	68.76	
Avg	0.111		<u>Cadmium</u>			<u>Water Soluble Chlori</u>			Meth: 191.00 PPM			368	67.90	-.20
419	0.110	-.05	<u>ICP</u>			<u>Titrimetric</u>			<u>Chromium</u>			232	68.70	-.38
421	0.110	-.05	096	8.75 s	6.00	481	21.64	1.36	<u>Atomic Absorption</u>			230	65.45	-.42
481	0.110	-.05	474	7.50 R	3.05	105	21.36	1.00	481	96.00 S	.00	027	60.44	-1.05
300	0.110	-.05	009	7.01	1.61	230	21.05	.66				474	59.00	-1.33
389	0.110	-.05	095	6.82	1.00	029	20.97	.46				486	52.55	-2.04
090	0.110	-.10	419	6.75	.91	Avg	20.64							
232	0.108	-.22	450	6.66	.75	043	20.45	-.26						
258	0.108	-.29												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 202.00 PPM			Meth: 202.XX PPM			Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.99 PCT		
<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>		
<u>AA</u>									<u>ICP</u>			<u>Other</u>		
136	20.50	.86	220	17.55	-.28	422	0.0100 s	36.80	220	0.68	2.39	421	0.55	1.14
Avg	16.25		102	17.46	-.30	324	0.0083 s	30.45	055	0.61	1.21	Avg	0.52	
474	12.00	-.87	232	15.25	-.74	041	0.0035 R	12.37	041	0.61	1.21	105	0.51	-.70
			474	12.00	-1.38	450	0.0014 R	6.25	049	0.60	1.05	488	0.51	-.85
			486	6.65	-2.41	419	0.0010	2.77	102	0.59	.87			
						043	0.0005	1.00	009	0.58	.80			
Meth: 202.30 PPM			Meth: 221.00 PCT			057 0.0004 .71			483 0.58 .73			Meth: 241.XX PCT		
<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			433 0.0004 .43			472 0.57 .55			<u>Acid Soluble Iron</u>		
<u>ICP</u>			<u>Atomic Absorption</u>			Avg 0.0003			450 0.54 R .51			220 0.68 2.61		
096	28.00	2.09	043	0.0005	1.28	232	0.0002	-.19	057	0.56	.48	055	0.61	1.34
009	26.25	1.62	Avg	0.0002		220	0.0002	-.25	368	0.54	.40	041	0.61	1.34
057	24.84 R	1.26	474	0.0001	-.53	368	0.0002	-.40	231	0.56	.38	049	0.60	1.16
095	22.84	.66	105	0.0001	-.77	095	0.0001	-.47	360	0.56	.38	102	0.59	.97
368	20.75	.09				105	0.0002	-.48	035	0.54	.25	105	0.58	.95
035	20.50	.01				486	0.0001	-.53	023	0.55	.22	009	0.58	.89
Avg	20.48					474	0.0001	-.63	096	0.55	.22	483	0.58	.81
230	19.70	-.22	Meth: 221.30 PCT			105 0.0001 -.84			479 0.54 .21			043 0.57 .76		
049	19.72	-.30	<u>Acid Soluble Copper</u>			354 0.0000 -1.01			423 0.54 .20			028 0.57 .69		
419	19.10	-.40	<u>ICP</u>			Meth: 241.00 PCT			324 0.54 .19			029 0.56 .63		
423	18.63	-.52	422 0.0100 S 33.71			<u>Acid Soluble Iron</u>			131 0.54 .17			472 0.57 .62		
220	17.55	-.82	324 0.0083 S 27.87			<u>Atomic Absorption</u>			419 0.54 .09			450 0.54 R .56		
102	17.46	-.84	041 0.0035 A 11.27			105 0.58 1.18			389 0.54 .09			057 0.56 .54		
232	15.25	-1.46	450 0.0014 R 5.68			043 0.57 .95			Avg 0.54			421 0.55 .49		
486	6.65 s	-3.85	419 0.0010 2.46			028 0.57 .87			095 0.53 -.05			368 0.54 .44		
			057 0.0004 .58			029 0.56 .79			402 0.53 -.12			360 0.56 .43		
			433 0.0004 .31			040 0.55 .47			354 0.53 -.18			231 0.56 .43		
			Avg 0.0003			460 0.53 .01			090 0.53 -.21			040 0.55 .37		
			232 0.0002 -.26			Avg 0.53			255 0.51 -.40			035 0.54 .29		
			220 0.0002 -.32			262 0.51 -.43			444 0.49 -.72			023 0.55 .26		
			368 0.0002 -.46			177 0.49 -.81			232 0.49 -.80			096 0.55 .26		
			095 0.0001 -.52			169 0.49 -.89			230 0.51 R -.81			479 0.54 .24		
			486 0.0001 -.58			258 0.45 R -1.95			433 0.47 -1.06			423 0.54 .24		
			354 0.0000 -1.01			474 0.44 -2.00			422 0.45 R -1.55			090 0.53 .23		
			Meth: 221.99 PCT						486 0.44 -1.65			324 0.54 .23		
			<u>Acid Soluble Copper</u>						300 0.43 -1.73			131 0.54 .19		
			<u>Other</u>						042 0.41 -2.15			389 0.54 .11		
			105 0.0002 -.71						027 0.38 S -2.57			419 0.54 .11		
												Avg 0.54		

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
Meth: 241.XX PCT			Meth: 251.30 PPM			Meth: 261.00 PCT			Meth: 261.30 PCT			Meth: 261.XX PCT				
<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>				
460	0.53	-.03	ICP			AA			ICP			040	0.732	.93		
095	0.53	-.03	095	14.53	.13	262	0.670	-.86	433	0.604	-1.10	231	0.730	.88		
402	0.53	-.11	368	14.30	.07	029	0.687	-.96	232	0.605	-1.12	105	0.728	.88		
354	0.53	-.18	Avg	14.13		481	0.585 s	-3.27	300	0.600	-1.16	105	0.724	.84		
262	0.51	-.39	230	13.90	-.21				422	0.615 R	-1.29	049	0.725	.79		
255	0.51	-.41	035	13.05	-.35	Meth: 261.11 PCT			136	0.590	-1.34	368	0.722	.78		
105	0.51	-.50	486	10.65	-1.13	<u>Acid Soluble Manganese</u>			041	0.585	-1.43	102	0.724	.77		
488	0.51	-.52	096	10.60	-1.15	AA			230	0.573	-1.64	043	0.722	.75		
177	0.49	-.71	474	9.00	-1.67	040			0.732	.71	486	0.495	-2.90	057	0.709	.58
444	0.49	-.76				Meth: 261.30 PCT			Meth: 261.31 PCT			029	0.687	.53		
169	0.49	-.78	Meth: 251.XX PPM			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			023	0.700	.51		
232	0.49	-.85	<u>Lead</u>			ICP			ICP			009	0.702	.48		
230	0.51 R	-.86	009	21.35	2.56	055	0.770	1.68	421	0.775	.89	095	0.702	.43		
433	0.47	-1.12	419	17.00	1.12	450	0.745	1.23	Avg	0.732		419	0.695	.40		
422	0.45 R	-1.65	102	15.36	.57	423	0.739	1.14	324	0.689	-.84	131	0.699	.39		
258	0.45 R	-1.66	450	14.95	.37	231	0.730	1.00				090	0.690	.29		
474	0.44	-1.71	220	14.75	.30	049	0.725	.91	Meth: 261.99 PCT			324	0.689	.25		
486	0.44	-1.76	232	14.20	.23	102	0.724	.89	<u>Acid Soluble Manganese</u>			360	0.685	.21		
300	0.43	-1.85	095	14.53	.22	368	0.722	.89	<u>Other</u>			402	0.677	.19		
042	0.41	-2.31	230	13.90	.21	057	0.709	.68	460	0.970 S	3.49	255	0.682	.13		
027	0.38 s	-2.76	368	14.30	.15	023	0.700	.59	483	0.745	1.11	035	0.675	.12		
			Avg	13.89		009	0.702	.57	105	0.724	.90	177	0.679	.08		
			035	13.05	-.29	095	0.702	.52	255	0.682	.42	472	0.675	.04		
			136	12.50	-.50	419	0.695	.48	488	0.651	.39	258	0.674	.04		
			481	12.18	-.59	131	0.699	.48	Avg	0.643		Avg	0.673			
			486	10.65	-1.11	090	0.690	.36	042	0.545	-1.04	027	0.672	-.03		
			096	10.60	-1.12	360	0.685	.27	474	0.510	-1.43	096	0.672	-.04		
			474	9.00	-1.67	402	0.677	.23				262	0.670	-.05		
						035	0.675	.15	Meth: 261.XX PCT			389	0.670	-.16		
						472	0.675	.08	<u>Acid Soluble Manganese</u>			220	0.660	-.26		
						096	0.672	.04	460	0.970 s	4.54	354	0.655	-.29		
						027	0.672	.03	421	0.775	1.57	444	0.635	-.63		
						Avg	0.670		055	0.770	1.51	488	0.651	-.65		
						389	0.670	-.17	028	0.749	1.29	433	0.604	-1.07		
						220	0.660	-.24	483	0.745	1.13	232	0.605	-1.08		
						354	0.655	-.27	450	0.745	1.09	300	0.600	-1.12		
						444	0.635	-.63	423	0.739	1.00	422	0.615 R	-1.23		
												136	0.590	-1.29		

* 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.XX PCT			Meth: 281.99 PPM			Meth: 289.XX PPM			Meth: 291.30 PPM			Meth: 301.99 PPM		
<u>Acid Soluble Manganese</u>			Mercury			<u>Molybdenum</u>			Nickel			Selenium		
041	0.585	-1.37	<u>Other</u>			049	13.77 s	8.84	<u>ICP</u>			<u>Other</u>		
481	0.585	-1.41	220	0.03	-.44	057	7.87	1.54	368	20.95	-.43	Avg	0.33	
230	0.573	-1.57	009	0.03	-.82	096	7.75	1.33	230	21.60 R	-.69	086	0.17	-.86
042	0.545	-1.97	Meth: 281.XX PPM			028	7.60	1.07	232	19.92	-.85	Meth: 301.XX PPM		
474	0.510	-2.52	Mercury			220	7.15	.75	474	16.00	-2.27	Selenium		
486	0.495	-2.73	086	0.05	1.44	009	7.18	.62	486	13.77 s	-3.06	486	1.86	1.14
Meth: 271.00 PCT			230	0.04	.41	232	6.92	.36	Meth: 291.XX PPM			095	1.52	.68
Water Soluble Mangan			Avg 0.04			419	6.90	.22	<u>Nickel</u>			Avg 1.01		
<u>Atomic Abs</u>			220	0.03	-.55	433	6.88	.20	220	27.15	2.00	220	0.50	-.69
027	0.204	-.71	009	0.03	-.98	Avg	6.75		096	24.50	.97	086	0.17	-1.13
Meth: 271.30 PCT			Meth: 289.30 PPM			368	6.65	-.15	009	24.50	.95	Meth: 311.30 PCT		
Water Soluble Mangan			Molybdenum			035	6.32	-.57	450	23.00	.53	Sodium		
<u>ICP</u>			<u>ICP</u>			474	6.30	-.69	481	22.86	.50	<u>Flame Photometric</u>		
230	0.280	.79	049	13.77 s	8.99	102	6.10	-.83	049	22.28	.20	105	0.50	-.71
444	0.240	.51	057	7.87	1.62	095	6.05	-.89	095	22.15	.02	Meth: 311.99 PCT		
Avg	0.174		096	7.75	1.41	486	4.91	-2.33	Avg	22.12		Sodium		
486	0.001	-1.27	220	7.15	.81	Meth: 291.00 PPM			419	22.00	-.05	<u>Other</u>		
Meth: 271.XX PCT			009	7.18	.69	Nickel			102	21.47	-.26	422	0.50 R	1.92
Water Soluble Mangan			230	6.77	.58	<u>Atomic Absorption</u>			035	21.45	-.40	474	0.49	1.36
230	0.280	.86	232	6.92	.41	481	22.86	.87	136	22.00	-.40	102	0.51	1.34
444	0.240	.54	419	6.90	.29	Avg	22.43		368	20.95	-.47	009	0.49	.56
027	0.204	.19	433	6.88	.27	Avg	22.00	-.86	230	21.60	-.74	423	0.49	.33
Avg	0.181		Avg	6.69		Meth: 291.30 PPM			474	16.00	-2.47	Avg	0.48	
486	0.001	-1.56	368	6.65	-.08	Nickel			486	13.77 s	-3.32	057	0.48	-.30
Meth: 281.00 PPM			035	6.32	-.50	<u>ICP</u>			Meth: 301.30 PPM			232	0.46	-.85
Mercury			474	6.30	-.63	220	27.15	1.85	Selenium			035	0.46	-1.27
<u>Atomic Absorption</u>			102	6.10	-.77	096	24.50	.89	<u>ICP</u>			354	0.45 s	-5.11
230	0.04	.71	095	6.05	-.82	009	24.50	.88	486	1.86	.89	Meth: 311.XX PCT		
Meth: 281.99 PPM			486	4.91	-2.27	450	23.00	.49	Avg	1.69		Sodium		
Mercury			Meth: 289.99 PPM			049	22.28	.19	095	1.52	-.84	422	0.50 R	1.79
<u>Other</u>			Molybdenum			095	22.15	.02	Meth: 301.99 PPM			474	0.49	1.31
086	0.05	1.28	<u>Other</u>			Avg	22.11		Selenium			102	0.51	1.15
Avg	0.04		028	7.60	.71	419	22.00	-.04	<u>Other</u>			105	0.50	1.09
						102	21.47	-.24	220	0.50	.87	009	0.49	.40
						035	21.45	-.37						

* 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.XX PCT			Meth: 321.30 PCT			Meth: 321.XX PCT			Meth: 321.XX PCT					
<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>					
423	0.49	.20	ICP			096	0.397 s	10.41	169	0.215	-.51			
Avg	0.48		090	0.231	.65	049	0.255	1.93	444	0.215	-.58			
057	0.48	-.43	009	0.233	.61	421	0.255	1.93	055	0.220	-.63			
232	0.46	-.98	035	0.230	.47	483	0.254	1.86	474	0.220	-.63			
035	0.46	-1.39	057	0.230	.47	460	0.250	1.60	489	0.210	-.80			
354	0.45 s	-5.01	055	0.220	.45	368	0.244	1.23	220	0.210	-.80			
			389	0.225	.33	028	0.242	1.15	255	0.209	-.86			
			479	0.225	.33	231	0.235 R	1.14	230	0.202	-1.28			
Meth: 321.00 PCT			041			423			433					
<u>Acid Soluble Zinc</u>			0225			0.239			0.201					
<u>Atomic Absorption</u>			324			450			200					
460	0.250	1.82	232	0.220	.24	102	0.237	.83	292	0.200	-1.40			
028	0.242	1.28	402	0.224	.20	472	0.236	.78	354	0.195	-1.73			
105	0.233	.61	300	0.220	.02	023	0.235	.77	136	0.190	-2.09			
040	0.227 R	.49	419	0.220	.02	090	0.231	.71	422	0.180	-2.67			
177	0.231	.44	360	0.220	.02	009	0.233	.60	042	0.165 A	-3.52			
258	0.227	.29	Avg	0.219		105	0.233	.59	027	0.161 A	-3.74			
Avg	0.224		095	0.219	-.02	177	0.231	.44	486	0.150 s	-4.40			
029	0.222	-.15	131	0.216	-.16	040	0.227	.44						
262	0.220	-.32	444	0.215	-.30	035	0.230	.41	Meth: 325.30 PCT					
043	0.220	-.35	220	0.210	-.42	057	0.230	.40	Water Soluble Zinc					
169	0.215	-.69	255	0.209	-.47	488	0.225	.37	<u>ICP</u>					
489	0.210	-1.04	230	0.202	-.78	479	0.225	.32	479	0.175	.88			
200	0.200 X	-1.75	433	0.201	-.85	389	0.225	.32	Avg	0.153				
			292	0.200	-.87	041	0.225	.32	444	0.130	-.86			
			354	0.195	-1.11	258	0.227	.29						
			136	0.190	-1.39	105	0.225	.26	Meth: 325.99 PCT					
			422	0.180	-1.81	324	0.225	.10	Water Soluble Zinc					
			042	0.165	-2.44	402	0.224	.04	<u>Other</u>					
			027	0.161	-2.60	Avg	0.223		450	0.238	.71			
			486	0.150 s	-3.09	029	0.222	-.06	Meth: 325.XX PCT					
						262	0.220	-.20	Water Soluble Zinc					
			Meth: 321.99 PCT			300	0.220	-.20	450	0.238	1.17			
			<u>Acid Soluble Zinc</u>			419	0.220	-.20	Avg	0.181				
			<u>Other</u>			360	0.220	-.23	479	0.175	-.16			
			488	0.225	.75	043	0.220	-.23	444	0.130	-1.05			
			105	0.225	.54	095	0.219	-.26						
			Avg	0.223		232	0.220	-.39						
			474	0.220	-1.28	131	0.216	-.44						

* 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	9	- 0.30	1.31	0.11	050.99	22	- 0.01	0.95	0.45
001.99	11	- 0.10	1.02	0.24	050.XX	72	- 0.13	1.49	0.38
001.XX	20	- 0.46	1.61	0.18	060.00	6	0.00	1.04	0.11
002.99	2	0.00	1.22	0.05	060.XX	7	1.54	4.19	0.33
002.XX	4	0.00	1.08	0.08	101.00	9	0.00	1.03	0.05
009.10	6	- 2.19	5.45	0.38	101.30	36	0.25	1.35	0.41
009.XX	6	- 2.19	5.45	0.38	101.99	4	0.00	0.41	0.86
010.11	5	0.00	0.98	0.36	101.XX	49	0.10	1.40	0.38
010.12	5	18.88	42.22	0.19	121.00	11	- 0.02	0.95	0.41
010.60	59	0.24	1.52	0.60	121.30	37	0.21	1.88	0.24
010.99	5	1.52	3.50	0.42	121.70	3	6.92	12.01	0.26
010.XX	72	1.70	12.05	0.56	121.99	4	0.00	0.56	0.80
020.10	8	- 0.33	1.33	0.38	121.XX	53	0.26	1.78	0.29
020.20	18	- 0.44	2.48	0.32	131.00	2	0.00	0.14	0.86
020.40	5	0.00	0.98	0.35	131.30	3	0.00	1.11	0.07
020.50	11	- 2.00	5.39	0.55	131.99	2	0.00	1.21	0.11
020.99	5	- 0.12	0.97	0.05	131.XX	7	0.00	1.04	0.10
020.XX	45	- 0.80	4.22	0.49	144.01	13	0.02	0.98	0.26
030.50	2	0.00	0.94	0.55	144.70	2	0.00	1.14	0.31
030.XX	5	0.18	1.01	0.29	144.99	30	- 0.11	1.13	0.20
040.10	2	0.00	1.22	0.07	144.XX	43	0.00	1.01	0.21
040.99	2	0.00	1.09	0.40	151.00	2	0.00	1.22	0.10
040.XX	7	- 0.15	1.03	0.23	151.30	10	0.38	1.53	0.14
041.10	11	0.00	0.99	0.25	151.99	2	0.00	0.89	0.60
041.20	2	0.00	1.22	0.04	151.XX	14	0.33	1.35	0.21
041.40	4	0.00	1.06	0.17	165.00	7	- 0.020	0.952	0.244
041.50	12	- 1.13	3.38	0.46	165.99	28	0.144	1.066	0.339
041.60	12	- 0.04	0.77	0.76	165.XX	35	0.136	1.079	0.334
041.99	3	0.00	0.92	0.52	171.99	2	0.000	1.017	0.483
041.XX	38	- 0.48	2.94	0.49	171.XX	2	0.000	1.017	0.483
048.20	4	0.00	0.81	0.62	181.00	2	0.00	0.98	0.52
048.XX	5	0.00	1.04	0.18	181.30	13	0.67	1.98	0.48
050.00	12	- 0.41	3.75	0.33	181.XX	15	0.18	1.57	0.46
050.30	9	0.36	1.45	0.15	190.00	8	0.00	1.02	0.16
050.31	2	0.00	0.35	0.83	190.99	4	- 0.72	1.71	0.15
050.50	10	- 0.45	1.70	0.30	190.XX	12	- 0.39	1.65	0.17
050.51	9	- 0.50	1.77	0.32	191.30	14	0.05	0.98	0.24
050.60	6	0.00	1.00	0.29	191.XX	15	0.28	1.28	0.38
050.61	8	0.00	0.94	0.41	202.00	2	0.00	1.20	0.16

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
202.30	14	- 0.19	1.45	0.13					
202.XX	16	0.07	1.02	0.10					
221.00	3	0.0000	1.1046	0.1409					
221.30	13	5.8828	11.581	1.2800					
221.XX	16	5.2686	11.593	1.2584					
241.00	11	- 0.16	1.09	0.31					
241.30	36	- 0.05	0.99	0.22					
241.99	3	0.00	0.80	0.64					
241.XX	49	- 0.07	1.00	0.27					
251.00	2	0.00	0.47	0.80					
251.30	13	0.00	1.01	0.15					
251.XX	15	0.00	1.00	0.16					
261.00	8	- 0.399	1.384	0.560					
261.30	32	- 0.029	0.989	0.238					
261.31	2	0.000	1.185	0.219					
261.99	7	0.499	1.616	0.202					
261.XX	49	0.058	1.171	0.245					
271.30	3	0.000	1.112	0.095					
271.XX	4	0.000	1.074	0.097					
281.99	3	0.00	1.11	0.12					
281.XX	4	0.00	1.05	0.23					
289.30	15	0.60	2.49	0.34					
289.XX	16	0.55	2.39	0.33					
291.00	2	0.00	0.48	0.80					
291.30	14	- 0.23	1.23	0.26					
291.XX	16	- 0.21	1.25	0.30					
301.30	2	0.00	1.18	0.23					
301.99	2	0.00	1.22	0.09					
301.XX	4	0.00	1.08	0.05					
311.99	9	- 0.07	1.02	1.76					
311.XX	10	- 0.09	1.02	1.62					
321.00	12	0.012	0.969	0.184					
321.30	39	0.140	1.666	0.218					
321.99	3	0.000	0.337	0.870					
321.XX	53	- 0.017	1.959	0.283					
325.30	2	0.000	1.210	0.134					
325.XX	2	0.061	1.566	0.084					