

- Pass 1 Results for 79 Labs - - Pass 2 Results for 78 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	2	14.37	0.09	0.02	2	14.37	0.09	0.02
Ammoniacal Nitrogen, Other		001.99	7	14.40	0.10	0.06	6	14.39	0.09	0.03
Method Group 001.XX PCT			9	14.39	0.10	0.05	8	14.38	0.09	0.03
Nitrate Nitrogen, Other		002.99	3	0.71	0.06	0.01	3	0.71	0.06	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	3	15.05	0.19	0.07	3	15.05	0.19	0.07
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	14.89	0.21	0.04	6	14.83	0.16	0.02
Total Nitrogen, Salicylic	955.04D	010.12	5	15.16	0.28	0.19	4	15.21	0.23	0.05
Total Nitrogen, Combustion		010.60	45	15.13	0.15	0.09	43	15.12	0.14	0.08
Total Nitrogen, Other		010.99	5	15.13	0.17	0.05	5	15.13	0.17	0.05
Method Group 010.XX PCT			63	15.10	0.19	0.09	60	15.09	0.19	0.07
Total Phosphate, Grav Quimociac	962.02	020.10	4	4.93	0.03	0.02	4	4.93	0.03	0.02
Total Phosphate, Spectrometric	958.01	020.20	14	4.94	0.13	0.08	13	4.96	0.10	0.05
Total Phosphate, Automated	978.01	020.40	6	4.99	0.08	0.02	5	4.96	0.04	0.01
Total Phosphate, ICP		020.50	7	4.89	0.22	0.10	8	4.82	0.29	0.08
Total Phosphate, Other		020.99	4	5.00	0.22	0.06	4	5.00	0.22	0.06
Method Group 020.XX PCT			37	4.97	0.18	0.06	35	4.98	0.17	0.05
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	0.00	0.00	1	0.04	0.00	0.00
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	2	0.02	0.03	0.02	2	0.02	0.03	0.02
Insoluble Phosphate, Other		030.99	1	0.02	0.01	0.01	1	0.02	0.01	0.01
Method Group 030.XX PCT			6	0.03	0.03	0.01	5	0.02	0.03	0.00
InDir Available Phosphate, Grav Quim	960.02	040.10	2	4.93	0.01	0.01	2	4.93	0.01	0.01
InDir Available Phosphate, Automated	960.02	040.40	1	4.92	0.01	0.01	1	4.92	0.01	0.01
InDir Available Phosphate, ICP		040.50	1	4.92	0.01	0.02	1	4.92	0.01	0.02
InDir Available Phosphate, Other		040.99	2	4.82	0.13	0.03	2	4.82	0.13	0.03
Method Group 040.XX PCT			6	4.89	0.08	0.02	6	4.89	0.08	0.02
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	12	4.92	0.08	0.08	12	4.92	0.08	0.08
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	5.11	0.04	0.06	1	5.11	0.04	0.06
Dir Available Phosphate, Automated	978.01	041.40	4	4.96	0.10	0.11	4	4.96	0.10	0.11
Dir Available Phosphate, ICP		041.50	10	4.87	0.12	0.10	10	4.87	0.12	0.10
Dir Available Phosphate, EDTA Extract	993.01	041.60	8	5.01	0.14	0.10	8	5.01	0.14	0.10
Dir Available Phosphate, Other		041.99	1	5.03	0.08	0.12	1	5.03	0.08	0.12
Method Group 041.XX PCT			37	4.94	0.13	0.10	37	4.94	0.13	0.10
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	4.04	1.00	0.05	4	4.04	1.00	0.05
Water Soluble Phosphate, ICP		048.50	1	4.38	0.04	0.05	1	4.38	0.04	0.05
Method Group 048.XX PCT			5	4.11	0.89	0.05	5	4.11	0.89	0.05
Soluble Potash, STPB Oxalate	958.02	050.00	11	10.15	0.13	0.05	10	10.12	0.10	0.03
Soluble Potash, AA (Oxalate)		050.30	5	10.21	0.21	0.12	5	10.21	0.21	0.12

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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
Soluble Potash, AA (Citrate)		050.31	2	10.03	0.09	0.07	2	10.03	0.09	0.07
Soluble Potash, ICP (Oxalate)		050.50	8	10.19	0.27	0.07	8	10.19	0.27	0.07
Soluble Potash, ICP (Citrate)		050.51	7	10.30	0.21	0.09	7	10.30	0.21	0.09
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	4	10.16	0.17	0.18	4	10.16	0.17	0.18
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	9	10.20	0.13	0.07	9	10.20	0.13	0.07
Soluble Potash, Other		050.99	17	10.09	0.31	0.09	17	10.09	0.31	0.09
Method Group 050.XX PCT			63	10.16	0.23	0.08	61	10.17	0.22	0.08
Free Water, Vacuum Oven	965.08B	060.00	7	0.64	0.38	0.05	6	0.65	0.41	0.02
Acid Soluble Calcium, ICP		101.30	16	0.87	0.06	0.04	15	0.86	0.05	0.02
Method Group 101.XX PCT			16	0.87	0.06	0.04	15	0.86	0.05	0.02
Acid Soluble Magnesium, AA	984.01	121.00	9	1.13	0.06	0.02	8	1.13	0.06	0.02
Acid Soluble Magnesium, ICP		121.30	32	1.10	0.05	0.03	31	1.10	0.05	0.02
Acid Soluble Magnesium, Other		121.99	2	1.15	0.06	0.00	2	1.15	0.06	0.00
Method Group 121.XX PCT			43	1.11	0.05	0.02	41	1.11	0.05	0.02
Water Soluble Magnesium, AA		131.00	1	0.85	0.01	0.02	1	0.85	0.01	0.02
Water Soluble Magnesium, ICP		131.30	2	1.05	0.02	0.03	2	1.05	0.02	0.03
Water Soluble Magnesium, Other		131.99	1	2.44	0.05	0.07	1	2.44	0.05	0.07
Method Group 131.XX PCT			4	1.34	0.68	0.04	4	1.34	0.68	0.04
Sulfur, Gravimetric	980.02a	144.01	12	17.32	0.54	0.31	12	17.32	0.54	0.31
Sulfur, Gravimetric	980.02b	144.02	1	17.66	0.08	0.11	1	17.66	0.08	0.11
Sulfur, Spectrometric		144.70	1	16.53	0.04	0.06	1	16.53	0.04	0.06
Sulfur, Other		144.99	26	16.90	0.90	0.26	25	16.78	1.04	0.19
Method Group 144.XX PCT			40	17.03	0.81	0.26	36	17.05	0.83	0.18
Arsenic, Atomic Absorption		151.00	1	4.50	0.28	0.40	1	4.50	0.28	0.40
Arsenic, ICP		151.30	7	4.01	1.05	0.47	7	4.01	1.05	0.47
Arsenic, Other		151.99	2	4.20	0.44	0.27	2	4.20	0.44	0.27
Method Group 151.XX PPM			10	4.10	0.90	0.42	10	4.10	0.90	0.42
Acid Soluble Boron, Spectrometric	982.01	165.00	5	0.145	0.005	0.003	5	0.145	0.005	0.003
Acid Soluble Boron, Other		165.99	18	0.150	0.028	0.005	16	0.145	0.019	0.004
Method Group 165.XX PCT			23	0.149	0.025	0.005	21	0.145	0.017	0.004
Water Soluble Boron, AA	52.950	171.00	1	0.139	0.001	0.001	1	0.139	0.001	0.001
Water Soluble Boron, Other		171.99	2	2.245	2.431	0.050	2	2.245	2.431	0.050
Method Group 171.XX PCT			3	1.543	2.175	0.034	3	1.543	2.175	0.034
Cadmium, Atomic Absorption		181.00	2	4.19	0.17	0.11	2	4.19	0.17	0.11
Cadmium, ICP		181.30	10	4.13	0.35	0.26	10	4.13	0.35	0.26
Cadmium, Other		181.99	2	3.90	0.59	0.23	2	3.90	0.59	0.23
Method Group 181.XX PPM			14	4.11	0.37	0.23	14	4.11	0.37	0.23
Water Soluble Chlorine, Titrimetric	928.02	190.00	2	6.40	0.28	0.12	2	6.40	0.28	0.12
Chromium, ICP		191.30	13	43.94	3.32	1.48	12	43.81	3.35	1.20

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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 191.XX PPM			13	43.94	3.32	1.48	12	43.81	3.35	1.20
Acid Soluble Cobalt, AA		202.00	1	5.00	0.00	0.00	1	5.00	0.00	0.00
Acid Soluble Cobalt, ICP	965.11	202.30	11	3.53	1.57	0.38	11	3.53	1.57	0.38
Acid Soluble Cobalt, Other		202.99	1	0.78	0.32	0.45	1	0.78	0.32	0.45
Method Group 202.XX PPM			13	3.43	1.69	0.36	13	3.43	1.69	0.36
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0024	0.0004	0.0006	2	0.0024	0.0004	0.0006
Acid Soluble Copper, ICP		221.30	18	0.0025	0.0003	0.0003	16	0.0025	0.0002	0.0002
Acid Soluble Copper, Other		221.99	2	0.0024	0.0006	0.0007	2	0.0024	0.0006	0.0007
Method Group 221.XX PCT			23	0.0025	0.0004	0.0003	21	0.0025	0.0003	0.0003
Acid Soluble Iron, Atomic Absorption	980.01	241.00	6	0.72	0.03	0.04	6	0.72	0.03	0.04
Acid Soluble Iron, ICP		241.30	34	0.71	0.06	0.03	32	0.72	0.05	0.03
Acid Soluble Iron, Other		241.99	2	0.59	0.09	0.02	2	0.59	0.09	0.02
Method Group 241.XX PCT			44	0.70	0.08	0.03	42	0.70	0.07	0.03
Lead, Atomic Absorption		251.00	2	5.32	3.69	0.50	2	5.32	3.69	0.50
Lead, ICP		251.30	7	2.49	1.36	0.17	7	2.49	1.36	0.17
Lead, Other		251.99	1	2.08	0.15	0.21	1	2.08	0.15	0.21
Method Group 251.XX PPM			10	3.01	2.20	0.24	9	2.40	1.20	0.15
Acid Soluble Manganese, AA	972.02a	261.00	1	0.011	0.001	0.001	1	0.011	0.001	0.001
Acid Soluble Manganese, ICP	972.02a	261.30	11	0.010	0.001	0.000	11	0.010	0.001	0.000
Acid Soluble Manganese, Other		261.99	3	0.009	0.001	0.001	3	0.009	0.001	0.001
Method Group 261.XX PCT			15	0.010	0.001	0.001	15	0.010	0.001	0.001
Mercury, Atomic Absorption		281.00	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Mercury, ICP		281.30	1	1.42	0.15	0.21	1	1.42	0.15	0.21
Method Group 281.XX PPM			2	0.71	0.82	0.11	2	0.71	0.82	0.11
Molybdenum, ICP		289.30	12	3.47	0.99	0.50	11	3.42	0.98	0.37
Molybdenum, Other		289.99	1	2.00	0.72	1.02	1	2.00	0.72	1.02
Method Group 289.XX PPM			13	3.36	1.04	0.54	12	3.30	1.03	0.42
Nickel, ICP		291.30	15	14.68	1.59	0.69	15	14.68	1.59	0.69
Method Group 291.XX PPM			15	14.68	1.59	0.69	15	14.68	1.59	0.69
Selenium, ICP		301.30	2	0.11	0.12	0.01	2	0.11	0.12	0.01
Selenium, Other		301.99	1	0.06	0.01	0.02	1	0.06	0.01	0.02
Method Group 301.XX PPM			3	0.09	0.10	0.01	3	0.09	0.10	0.01
Sodium, Flame Photometric	974.01	311.30	1	0.30	0.01	0.02	1	0.30	0.01	0.02
Sodium, Other		311.99	5	0.30	0.04	0.02	5	0.30	0.04	0.02
Method Group 311.XX PCT			6	0.30	0.03	0.02	6	0.30	0.03	0.02
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	10	0.125	0.011	0.005	10	0.125	0.011	0.005
Acid Soluble Zinc, ICP		321.30	35	0.130	0.015	0.008	34	0.129	0.013	0.007
Acid Soluble Zinc, Other		321.99	3	0.138	0.024	0.011	3	0.138	0.024	0.011
Method Group 321.XX PCT			48	0.129	0.015	0.007	46	0.128	0.013	0.007

Method	AOAC Ref.	Method Code	- Pass 1 Results for 79 Labs -			- Pass 2 Results for 78 Labs -			
			No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.
Water Soluble Zinc, ICP .....		325.30	2	0.123	0.129	2	0.123	0.129	0.013
Water Soluble Zinc, Other .....		325.99	1	0.135	0.007	1	0.135	0.007	0.010
Method Group 325.XX PCT			3	0.127	0.100	3	0.127	0.100	0.012

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
Meth: 001.10 PCT																
Ammoniacal Nitrogen																
MgO Distillation																
232	14.45	.87													Meth: 010.60 PCT	1.17
Avg	14.37														Total Nitrogen	.89
456	14.30	-.86													Combustion	.84
Meth: 001.99 PCT																
Ammoniacal Nitrogen																
Other																
027	14.45 R	1.56													Total Nitrogen	.79
393	14.50	1.19													Combustion	.77
479	14.48	1.00													Total Nitrogen	.63
096	14.42	.31													Combustion	.51
Avg	14.39														Total Nitrogen	.47
473	14.38	-.07													Combustion	.46
255	14.29	-1.13													Total Nitrogen	.41
371	14.27	-1.31													Combustion	.41
Meth: 001.XX PCT																
Ammoniacal Nitrogen																
027	14.45 R	1.64													Total Nitrogen	.40
393	14.50	1.27													Combustion	.35
479	14.48	1.07													Total Nitrogen	.33
232	14.45	.76													Combustion	.29
096	14.42	.36													Total Nitrogen	.28
Avg	14.38														Combustion	.16
473	14.38	-.03													Total Nitrogen	.15
456	14.30	-.99													Combustion	.07
255	14.29	-1.14													Total Nitrogen	.07
371	14.27	-1.33													Combustion	.04
Meth: 002.99 PCT																
Nitrate Nitrogen																
Other																
393	0.79	1.28													Total Nitrogen	.04
Avg	0.71														Combustion	.04
027	0.68	-.49													Total Nitrogen	.04
232	0.67	-.78													Combustion	.04
Meth: 009.10 PCT																
Ammon & Nitrate N																
Devarda																
393	15.29	1.26													Total Nitrogen	.16
Avg	15.05														Combustion	.16
090	14.95	-.53													Total Nitrogen	.16
169	14.91	-.78													Combustion	.16
Meth: 010.11 PCT																
Total Nitrogen																
Modified Comprehensi																
474	26.79 s	73.09													Total Nitrogen	.16
260	15.23 R	2.47													Combustion	.16
211	15.00	1.03													Total Nitrogen	.16
105	14.98	.91													Combustion	.16
090	14.98	.89													Total Nitrogen	.16
Avg	14.83														Combustion	.16
470	14.71	-.77													Total Nitrogen	.16
309	14.70	-.84													Combustion	.16
114	14.63	-1.23													Total Nitrogen	.16
416	14.03 S	-4.90													Combustion	.16
Meth: 010.12 PCT																
Total Nitrogen																
Salicylic																
254	15.44	1.03													Total Nitrogen	.16
455	15.35	.67													Combustion	.16
Avg	15.21														Total Nitrogen	.16
185	15.15	-.28													Combustion	.16
481	14.89	-1.38													Total Nitrogen	.16
102	14.98 R	-1.86													Combustion	.16
484	10.37 s	-21.71													Total Nitrogen	.16
Meth: 010.60 PCT																
Total Nitrogen																
Combustion																
443	15.65 s	4.21													Total Nitrogen	.16
360	15.48	2.63													Combustion	.16
023	15.41	2.22													Total Nitrogen	.16
483	15.37 R	2.16													Combustion	.16
Meth: 010.11 PCT																
Total Nitrogen																
Modified Comprehensi																
474	26.79 s	73.09													Total Nitrogen	.16
260	15.23 R	2.47													Combustion	.16
211	15.00	1.03													Total Nitrogen	.16
105	14.98	.91													Combustion	.16
090	14.98	.89													Total Nitrogen	.16
Avg	14.83														Combustion	.16
470	14.71	-.77													Total Nitrogen	.16
309	14.70	-.84													Combustion	.16
114	14.63	-1.23													Total Nitrogen	.16
416	14.03 S	-4.90													Combustion	.16
Meth: 010.12 PCT																
Total Nitrogen																
Salicylic																
254	15.44	1.03													Total Nitrogen	.16
455	15.35	.67													Combustion	.16
Avg	15.21														Total Nitrogen	.16
185	15.15	-.28													Combustion	.16
481	14.89	-1.38													Total Nitrogen	.16
102	14.98 R	-1.86													Combustion	.16
484	10.37 s	-21.71													Total Nitrogen	.16
Meth: 010.60 PCT																
Total Nitrogen																
Combustion																
443	15.65 s	4.21													Total Nitrogen	.16
360	15.48	2.63													Combustion	.16
023	15.41	2.22													Total Nitrogen	.16
483	15.37 R	2.16													Combustion	.16

\* 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	
Meth: 010.XX PCT												
Total Nitrogen												
211	15.00	-.50										
037	15.03	-.55										
231	14.99	-.56										
405	15.00	-.60										
105	14.98	-.61										
090	14.98	-.64										
035	15.01	-.70										
041	14.96	-.72										
022	14.90	-1.04										
481	14.89	-1.10										
368	14.92	-1.19										
030	14.88	-1.20										
102	14.98 R	-2.04										
470	14.71	-2.10										
309	14.70	-2.15										
114	14.63	-2.50										
095	14.62	-2.61										
324	14.65 s	-3.05										
371	14.24 s	-4.61										
255	14.21 s	-4.80										
416	14.03 s	-5.74										
049	11.70 s	-18.35										
484	10.37 s	-26.19										
Meth: 020.10 PCT												
Total Phosphate												
Grav Quimociac												
114	5.23 s	9.32										
470	4.97	.98										
105	4.95	.61										
Avg	4.93											
090	4.93	-.34										
041	4.89	-1.43										
Meth: 020.20 PCT												
Total Phosphate												
ICP												
483	5.79 S	3.40										
422	5.68 S	3.06										
426	5.12	1.08										
402	5.07	.91										
324	5.50 s	5.28										
Meth: 020.20 PCT												
Total Phosphate												
Spectrometric												
474	0.04	-.71										
Meth: 020.50 PCT												
Total Phosphate												
Spectrometric												
481	5.02	.26										
393	5.01	.19										
371	4.99	.19										
137	4.99	.06										
456	4.98	.06										
096	4.99	.05										
035	4.99	.05										
Meth: 020.50 PCT												
Total Phosphate												
ICP												
393	5.01	.68										
255	4.92	.38										
390	4.83	.13										
Avg	4.89											
451	4.79	-.52										
432	4.49	-1.15										
389	4.30 S	-1.81										
Meth: 020.50 PCT												
Total Phosphate												
ICP												
322	4.98	.02										
Avg	4.98											
470	4.97	-.09										
200	4.96 X	-.13										
105	4.95	-.17										
247	4.95	-.20										
416	4.94	-.24										
090	4.93	-.29										
177	4.93	-.32										
255	4.92	-.33										
405	4.92	-.37										
232	4.89	-.52										
041	4.89	-.53										
105	4.89	-.53										
450	4.88	-.79										
479	4.83	-.92										
390	4.83	-.93										
169	4.82	-.96										
451	4.79 R	-1.42										
443	4.73	-1.44										
309	4.74 R	-1.91										
042	4.65 s	-2.62										
432	4.49	-2.89										
389	4.30 s	-3.99										
484	4.16 s	-4.90										
474	3.04 s	-11.44										
Meth: 020.40 PCT												
Total Phosphate												
Automated												
027	5.14 R	4.72										
035	4.99	.72										
096	4.99	.72										
456	4.98	.64										
Avg	4.96											
247	4.95	-.32										
105	4.89	-1.71										
042	4.65 S	-10.85										
484	4.16 s	-20.55										
Meth: 020.50 PCT												
Total Phosphate												
ICP												
483	5.79 S	3.40										
422	5.68 S	3.06										
426	5.12	1.08										
402	5.07	.91										
324	5.50 s	5.28										
Meth: 020.10 PCT												
Total Phosphate												
Grav Quim												
090	4.93	1.22										
300	4.93	.00										
Avg	4.93											
Meth: 040.10 PCT												
InDir Available Phos												
Spectrometri												
474	2.96 S	.00										

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 040.40 PCT											
InDir Available Phos											
Automated											
096	4.92	.71									
Meth: 040.50 PCT											
InDir Available Phos											
ICP											
255	4.92	.71									
Meth: 040.99 PCT											
InDir Available Phos											
Other											
460	5.10 S	3.27									
247	4.93	.86									
Avg	4.82										
479	4.72	-.87									
Meth: 040.XX PCT											
InDir Available Phos											
Spectrometric											
030	5.11	.71									
Meth: 041.40 PCT											
Dir Available Phosph											
Automated											
472	4.99	1.47									
095	4.98	.63									
027	4.99	.36									
Avg	4.96										
131	4.87	-.91									
Meth: 041.50 PCT											
Dir Available Phosph											
ICP											
368	4.92	1.30									
023	5.00	1.17									
354	5.01	1.15									
009	4.94	.83									
393	4.93	.54									
Avg	4.87										
055	4.82	-.36									
360	4.79	-.64									
009	4.97	.87									
028	4.96	.75									
055	4.96	.45									
211	4.95	.33									
Meth: 041.10 PCT											
Dir Available Phosph											
Grav Quimociac											
Avg	4.92										
105	4.91	-.26									
102	4.90	-.28									
040	4.90	-.28									
131	4.88	-.58									
049	4.83	-1.31									
185	4.82	-1.51									
Meth: 041.20 PCT											
Dir Available Phosph											
Spectrometric											
030	5.11	.71									
Meth: 041.60 PCT											
Dir Available Phosph											
EDTA Extract											
231	5.30	2.06									
029	5.04	.74									
105	5.01	.02									
Avg	5.01										
136	4.94	-.55									
233	4.93	-.60									
034	4.98	-.71									
351	4.90	-.83									
106	4.99	-.94									
Meth: 041.99 PCT											
Dir Available Phosph											
Other											
230	6.05 S	12.07									
Avg	5.03										
105	5.03	-.71									
Meth: 041.XX PCT											
Dir Available Phosph											
Spectrometric											
022	5.15	1.97									
030	5.11	1.30									
472	4.99	1.19									
029	5.04	1.07									
106	4.99	1.06									
260	5.02	.97									
254	4.98	.94									
105	5.03	.79									
034	4.98	.78									
023	5.00	.58									
095	4.98	.54									
105	5.01	.54									
354	5.01	.50									
009	4.97	.46									
028	4.96	.40									
027	4.99	.38									
Meth: 041.XX PCT											
Dir Available Phosph											
Spectrometric											
096	4.68	.64									
479	4.56	.51									
309	4.51	.46									
Avg	4.04										
474	2.44	-1.62									
Meth: 048.20 PCT											
Water Soluble Phosph											
Spectrometric											
096	4.68	.64									
479	4.56	.51									
309	4.51	.46									
Avg	4.04										
474	2.44	-1.62									
Meth: 048.50 PCT											
Water Soluble Phosph											
ICP											
393	4.38	.71									

\* 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
Meth: 050.31 PCT											
Soluble Potash											
AA (Citrate)			Meth: 050.99 PCT								
030	10.10	.96	Soluble Potash								
Avg	10.03		Other			Meth: 050.60 PCT					
472	9.96	-.76	450	9.66	-1.35	Soluble Potash					
254	9.44 S	-6.69	042	9.68 S	-1.66	Flame (Oxalate)					
Meth: 050.50 PCT											
Soluble Potash											
ICP (Oxalate)			484	9.54	-1.78	Meth: 050.50 PCT					
422	10.61	1.58	368	9.51	-1.86	Soluble Potash					
426	10.36	.77	481	9.15 S	-3.02	Flame (Citrate)					
292	10.28	.34	474	8.20 S	-6.07	Meth: 050.99 PCT					
055	10.20	.23	Soluble Potash								
Avg	10.19		Other								
354	10.16	-.18	309	12.40 s	10.29	Meth: 050.60 PCT					
106	10.15	-.18	322	11.02 s	3.93	Soluble Potash					
324	10.10	-.32	483	10.82 s	3.04	Flame (Oxalate)					
351	9.65	-2.02	389	10.65	2.21	Meth: 050.50 PCT					
390	9.12 S	-4.01	027	10.59	2.03	Soluble Potash					
Meth: 050.51 PCT											
Soluble Potash											
ICP (Citrate)			422	10.61	1.99	Meth: 050.60 PCT					
483	10.82 S	2.61	040	10.55	1.75	Soluble Potash					
389	10.65	1.73	028	10.44	1.26	Flame (Citrate)					
023	10.43	.69	023	10.43	1.21	Meth: 050.99 PCT					
009	10.33	.46	114	10.40	1.18	Soluble Potash					
Avg	10.30		247	10.39	1.14	Other					
432	10.30	-.03	426	10.36	1.00	Meth: 050.50 PCT					
007	10.24	-.30	402	10.35	.84	Soluble Potash					
377	10.10	-1.08	009	10.33	.83	Flame (Oxalate)					
393	10.04	-1.25	455	10.35	.80	Meth: 050.60 PCT					
Meth: 050.60 PCT											
Soluble Potash											
Flame (Oxalate)			029	10.34	.75	Meth: 050.99 PCT					
169	10.27	.66	460	10.32	.73	Soluble Potash					
105	10.19	.46	451	10.31	.63	Other					
Meth: 050.60 PCT											
Soluble Potash											
ICP (Oxalate)			432	10.30	.56	Meth: 050.60 PCT					
422	10.20	.66	432	10.30	.56	Soluble Potash					
422	10.20	.66	292	10.28	.48	Flame (Oxalate)					
422	10.20	.66	169	10.27	.44	Meth: 050.60 PCT					
422	10.20	.66	185	10.25	.42	Soluble Potash					
422	10.20	.66	041	10.24	.36	Flame (Oxalate)					
422	10.20	.66	105	10.19	.33	Meth: 050.60 PCT					
422	10.20	.66	007	10.24	.32	Soluble Potash					
422	10.20	.66	131	9.96	-.44	Flame (Oxalate)					
422	10.20	.66	255	9.99	-.52	Meth: 050.60 PCT					
422	10.20	.66	325	9.82	-.84	Soluble Potash					
422	10.20	.66	090	10.23	.27	Flame (Oxalate)					
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Other								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	10.20	.66	Soluble Potash								
422	10.20	.66	Flame (Oxalate)								
422	10.20	.66	Meth: 050.60 PCT								
422	1										

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 101.30 PCT														
Acid Soluble Calcium														
ICP	484	0.16 s	-13.29											
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
474	0.18 s	-12.91												
Meth: 101.99 PCT														
Acid Soluble Calcium														
Other	484	0.16 S	.00											
Meth: 101.30 PCT														
Acid Soluble Magnesi														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 101.30 PCT														
Acid Soluble Magnesi														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 101.99 PCT														
Acid Soluble Calcium														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	037	1.12	.26											
028	1.12	.26												
360	1.11	.11												
Avg	1.10													
022	1.10	-0.18												
131	1.10	-0.21												
393	1.09	-0.41												
351	1.08	-0.54												
354	1.08	-0.68												
009	1.08	-0.74												
324	1.06	-1.03												
095	1.05	-1.16												
426	1.09 R	-1.26												
479	1.05	-1.27												
232	1.04	-1.43												
368	1.03	-1.53												
230	1.03	-1.56												
086	1.02	-1.72												
432	0.63 s	-14.34												
474	0.12 s	-20.80												
Meth: 121.99 PCT														
Acid Soluble Magnesi														
Other	042	1.20	.87											
Avg	1.15													
137	1.10	-0.87												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	037	1.12	.26											
028	1.12	.26												
360	1.11	.11												
Avg	1.10													
022	1.10	-0.18												
131	1.10	-0.21												
393	1.09	-0.41												
351	1.08	-0.54												
354	1.08	-0.68												
009	1.08	-0.74												
324	1.06	-1.03												
095	1.05	-1.16												
426	1.09 R	-1.26												
479	1.05	-1.27												
232	1.04	-1.43												
368	1.03	-1.53												
230	1.03	-1.56												
086	1.02	-1.72												
432	0.63 s	-14.34												
474	0.12 s	-20.80												
Meth: 121.99 PCT														
Acid Soluble Magnesi														
Other	042	1.20	.87											
Avg	1.15													
137	1.10	-0.87												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	037	1.12	.26											
028	1.12	.26												
360	1.11	.11												
Avg	1.10													
022	1.10	-0.18												
131	1.10	-0.21												
393	1.09	-0.41												
351	1.08	-0.54												
354	1.08	-0.68												
009	1.08	-0.74												
324	1.06	-1.03												
095	1.05	-1.16												
426	1.09 R	-1.26												
479	1.05	-1.27												
232	1.04	-1.43												
368	1.03	-1.53												
230	1.03	-1.56												
086	1.02	-1.72												
432	0.63 s	-14.34												
474	0.12 s	-20.80												
Meth: 121.99 PCT														
Acid Soluble Magnesi														
Other	042	1.20	.87											
Avg	1.15													
137	1.10	-0.87												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	037	1.12	.26											
028	1.12	.26												
360	1.11	.11												
Avg	1.10													
022	1.10	-0.18												
131	1.10	-0.21												
393	1.09	-0.41												
351	1.08	-0.54												
354	1.08	-0.68												
009	1.08	-0.74												
324	1.06	-1.03												
095	1.05	-1.16												
426	1.09 R	-1.26												
479	1.05	-1.27												
232	1.04	-1.43												
368	1.03	-1.53												
230	1.03	-1.56												
086	1.02	-1.72												
432	0.63 s	-14.34												
474	0.12 s	-20.80												
Meth: 121.99 PCT														
Acid Soluble Magnesi														
Other	042	1.20	.87											
Avg	1.15													
137	1.10	-0.87												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	433	4.12 s	63.53											
041	0.98 R	2.90												
096	0.97	2.03												
035	0.93	1.50												
483	0.93	1.33												
393	0.90	.62												
131	0.87	.45												
354	0.87	.29												
Avg	0.86													
106	0.86	-0.04												
102	0.86	-0.05												
009	0.85	-0.23												
232	0.85	-0.33												
390	0.84	-0.44												
027	0.83	-0.77												
086	0.80	-1.10												
022	0.80	-1.30												
389	0.79	-1.36												
105	0.20 s	-12.38												
474	0.18 s	-12.91												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP	037	1.12	.26											
028	1.12	.26												
360	1.11	.11												
Avg	1.10													
022	1.10	-0.18												

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 144.01 PCT											
Sulfur											
Gravimetric											
102	17.41	.23									
233	17.40	.18									
Avg	17.32										
040	17.30	-.19									
231	16.95	-.68									
105	17.21	-.79									
481	16.75	-1.05									
106	16.95	-1.08									
230	16.50	-1.77									
Meth: 144.02 PCT											
Sulfur											
Gravimetric											
292	17.66	.71									
Meth: 144.70 PCT											
Sulfur											
Spectrometric											
Avg	16.53										
200	16.53 X	-.71									
474	6.61 S-233.96										
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									
102	18.27	1.43									
157	17.55	.81									
114	17.52	.70									
390	17.35 R	.69									
479	17.43	.65									
137	17.45	.64									
049	17.34	.60									
009	17.25	.46									
177	17.21	.41									
232	17.19	.39									
Meth: 144.99 PCT											
Sulfur											
Other											
483	18.35	1.50									
360	18.34	1.49									

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 165.XX PCT											
<u>Acid Soluble Boron</u>											
029	0.144	-1.10									
105	0.143	-1.18									
232	0.143	-2.27									
055	0.139	-3.38									
324	0.140 R	-6.66									
422	0.135	-6.66									
009	0.133	-6.69									
086	0.132	-7.79									
354	0.130	-8.89									
389	0.130	-8.89									
042	0.130	-8.89									
472	0.130 X	-9.93									
230	0.124	-1.28									
Meth: 171.00 PCT											
<u>Water Soluble Boron</u>											
AA	0.139	.71									
Meth: 171.99 PCT											
<u>Water Soluble Boron</u>											
Other	4.350	.87									
Avg	2.245										
137	0.140	-.87									
Meth: 171.XX PCT											
<u>Water Soluble Boron</u>											
247	4.350	1.29									
Avg	1.543										
137	0.140	-.65									
027	0.139	-.65									
Meth: 181.00 PPM											
<u>Cadmium</u>											
481	4.33	.87									
Avg	4.19										
Meth: 181.00 PPM											
<u>Atomic Absorption</u>											
136	4.05	-1.12									
450	4.05	-1.04									
035	3.86	-1.00									
393	3.68	.82									
086	3.75	.73									
484	3.40	.88									
474	1.75 S	-6.34									
106	1.50 S	-7.14									
Meth: 181.30 PPM											
<u>Cadmium</u>											
136	4.05	-0.86									
035	3.86	-0.70									
393	3.68	-1.15									
086	3.75	-1.38									
484	3.40	-1.93									
474	1.75 S	-6.34									
106	1.50 S	-7.14									
Meth: 181.00 PPM											
<u>Cadmium</u>											
230	3.99	-.34									
450	4.05	-.43									
035	3.86	-.70									
393	3.68	-1.15									
086	3.75	-1.38									
484	3.40	-1.93									
474	1.75 S	-6.34									
106	1.50 S	-7.14									
Meth: 190.00 PCT											
<u>Water Soluble Chlori</u>											
105	6.64	.88									
Avg	6.40										
422	6.16	-.85									
Meth: 191.00 PPM											
<u>Chromium</u>											
102	44.77	.30									
232	44.25	.23									
Avg	43.81										
Meth: 191.30 PPM											
<u>Chromium</u>											
230	41.85	-.63									
393	41.42	-.73									
027	40.09	-1.11									
037	37.82	-1.79									
231	27.54 S	-4.89									
474	16.00 S	-8.29									
Meth: 181.99 PPM											
<u>Cadmium</u>											
231	4.40	.86									
Avg	3.90										
484	3.40	-.87									
Meth: 181.XX PPM											
<u>Cadmium</u>											
009	50.50	2.00									
450	47.50	1.11									
009	45.55 R	.90									
368	45.50	.57									
035	45.20	.48									
102	44.77	.30									
232	44.25	.23									
Avg	43.81										
Meth: 191.30 PPM											
<u>Chromium</u>											
096	50.50	2.00									
450	47.50	1.11									
009	45.55 R	.90									
368	45.50	.57									
035	45.20	.48									
102	44.77	.30									
232	44.25	.23									
Avg	43.81										
Meth: 191.99 PPM											
<u>Chromium</u>											
136	9.50 S	3.60									
009	6.02	1.54									
474	5.00	.93									
086	4.84	.85									
368	4.55	.67									
035	4.41	.62									
422	4.00	.34									
393	3.94	.30									
Avg	3.43										
Meth: 202.00 PPM											
<u>Acid Soluble Cobalt</u>											
AA	9.50 S	.00									
474	5.00	.00									
Avg	5.00										
Meth: 202.99 PPM											
<u>Other</u>											
231	0.78	.71									
Meth: 202.XX PPM											
<u>Acid Soluble Cobalt</u>											
136	9.50 S	3.60									
009	6.02	1.54									
474	5.00	.93									
086	4.84	.85									
368	4.55	.67									
035	4.41	.62									
422	4.00	.34									
393	3.94	.30									
Avg	3.43										
Meth: 202.30 PPM											
<u>Acid Soluble Cobalt</u>											
ICP	6.02	1.59									
009	6.02	1.59									
086	4.84	.85									
368	4.55	.65									
035	4.41	.60									
422	4.00	.30									
393	3.94	.26									
Avg	3.53										
230	3.39	-.15									
102	2.73	-.52									
232	2.70	-.59									
247	2.30	-.79									
450	0.00	-2.24									

\* 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
Meth: 221.00 PCT											
Acid Soluble Copper											
<u>Atomic Absorption</u>											
474	0.0518 S	114.86	484	0.0022	-.41	Meth: 221.99 PCT					
481	0.0025	1.18	Meth: 221.99 PCT			Acid Soluble Copper					
Avg	0.0024		Meth: 221.99 PCT			<u>Other</u>					
105	0.0023	-.33	474	0.0518 s	173.03	484	0.0022	-.41	Meth: 221.00 PCT		
Meth: 221.30 PCT											
Acid Soluble Copper											
<u>ICP</u>											
433	0.0088 s	29.71	433	0.0518 s	173.03	105	0.75	1.05	Meth: 241.00 PCT		
354	0.0040 s	8.44	433	0.0088 s	22.10	029	0.73	.70	Acid Soluble Iron		
422	0.0040 s	6.99	354	0.0040 s	6.37	028	0.72	.53	<u>Atomic Absorption</u>		
389	0.0029	1.85	422	0.0040 A	5.33	177	0.72	.14	Meth: 221.30 PCT		
106	0.0027	1.65	231	0.0026 R	2.14	Avg	0.72		Acid Soluble Copper		
402	0.0027	.65	041	0.0025	1.75	474	0.72	-.78	Meth: 241.30 PCT		
035	0.0026	.60	481	0.0025	1.75	460	0.69	-.78	Acid Soluble Iron		
102	0.0026	.60	389	0.0029	1.53	481	0.69	-1.73	<u>ICP</u>		
368	0.0026	.49	106	0.0027	1.31	474	0.56 s	-4.69	Meth: 241.99 PCT		
247	0.0026	.37	402	0.0027	.64	433	2.73 s	36.84	Acid Soluble Iron		
393	0.0026	.25	102	0.0026	.56	483	1.05 s	6.48	<u>ICP</u>		
Avg	0.0025		035	0.0026	.56	450	0.82	1.89	Meth: 241.00 PCT		
233	0.0025	-.10	368	0.0026	.46	035	0.79	1.39	Acid Soluble Iron		
086	0.0025	-.40	247	0.0026	.44	096	0.78	1.13	<u>ICP</u>		
009	0.0024	-.58	393	0.0026	.34	106	0.78	1.03	Meth: 241.30 PCT		
232	0.0025	-.64	086	0.0025	.31	432	0.77	1.01	Acid Soluble Iron		
230	0.0024	-.69	233	0.0025	.15	157	0.76	1.00	<u>Other</u>		
450	0.0024	-1.11	Avg	0.0025		055	0.77	.96	Meth: 241.99 PCT		
255	0.0022	-1.44	009	0.0024	-.26	360	0.77	.93	Acid Soluble Iron		
095	0.0022	-1.76	230	0.0024	-.36	233	0.76	.88	<u>ICP</u>		
041	0.0025 R	-2.37	232	0.0024	-.43	232	0.76	.84	Meth: 241.00 PCT		
483	0.0022 R	-2.76	105	0.0023	-.70	324	0.76	.84	Acid Soluble Iron		
472	0.0015 s	-5.38	450	0.0024	-.74	037	0.76	.72	<u>Other</u>		
Meth: 221.99 PCT											
Acid Soluble Copper											
<u>Other</u>											
231	0.0026	1.15	105	0.0023	-.70	247	0.74	.53	Meth: 241.30 PCT		
Avg	0.0024		450	0.0024	-.97	131	0.74	.46	Acid Soluble Iron		
Meth: 241.00 PCT											
Acid Soluble Iron											
<u>Atomic Absorption</u>											
169	3.04 s	71.53	255	0.0024	-1.76	390	0.73	.39	Meth: 241.99 PCT		
Meth: 241.00 PCT											
Acid Soluble Iron											
<u>ICP</u>											
324	0.76	.86	484	0.0022	-1.13	009	0.72	.35	Meth: 241.00 PCT		
037	0.76	.78	095	0.0022	-1.13	022	0.72	.33	Acid Soluble Iron		
105	0.75	.65	483	0.0022	-1.94	027	0.72	.15	<u>Other</u>		
247	0.74	.59	472	0.0015 s	-3.82	479	0.73	.15	Meth: 241.30 PCT		
131	0.74	.54	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
390	0.73	.46	Meth: 241.00 PCT			Meth: 241.00 PCT			<u>ICP</u>		
029	0.73	.44	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
009	0.72	.41	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
027	0.72	.37	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
022	0.72	.36	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
028	0.72	.35	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
479	0.73	.32	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
368	0.71	.30	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
177	0.72	.20	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
351	0.71	.18	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
095	0.71	.10	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
426	0.71	.04	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
Avg	0.70		Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
460	0.69	-.19	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
041	0.69	-.24	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
354	0.70	-.29	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
086	0.68	-.48	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
102	0.67	-.54	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
042	0.67	-.55	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
402	0.66	-.66	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
481	0.69	-.74	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
232	0.70 R	-.76	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
422	0.65	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
255	0.64	-1.02	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
230	0.63	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
028	0.72	.35	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
479	0.73	.32	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
368	0.71	.30	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
177	0.72	.20	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
351	0.71	.18	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
095	0.71	.10	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
426	0.71	.04	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
Avg	0.70		Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
460	0.69	-.19	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
041	0.69	-.24	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
354	0.70	-.29	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
086	0.68	-.48	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
102	0.67	-.54	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
042	0.67	-.55	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
402	0.66	-.66	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
481	0.69	-.74	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
232	0.70 R	-.76	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
422	0.65	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
255	0.64	-1.02	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
230	0.63	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
028	0.72	.35	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
479	0.73	.32	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
368	0.71	.30	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
177	0.72	.20	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
351	0.71	.18	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
095	0.71	.10	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
426	0.71	.04	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
Avg	0.70		Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
460	0.69	-.19	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
041	0.69	-.24	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
354	0.70	-.29	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
086	0.68	-.48	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
102	0.67	-.54	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
042	0.67	-.55	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
402	0.66	-.66	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
481	0.69	-.74	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
232	0.70 R	-.76	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
422	0.65	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
255	0.64	-1.02	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
230	0.63	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
028	0.72	.35	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
479	0.73	.32	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
368	0.71	.30	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
177	0.72	.20	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
351	0.71	.18	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
095	0.71	.10	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
426	0.71	.04	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
Avg	0.70		Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
460	0.69	-.19	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
041	0.69	-.24	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
354	0.70	-.29	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
086	0.68	-.48	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
102	0.67	-.54	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
042	0.67	-.55	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
402	0.66	-.66	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
481	0.69	-.74	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
232	0.70 R	-.76	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
422	0.65	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.00 PCT		
255	0.64	-1.02	Meth: 241.00 PCT			Meth: 241.00 PCT			Acid Soluble Iron		
230	0.63	-.77	Meth: 241.00 PCT			Meth: 241.00 PCT			Meth: 241.		

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth:	251.00 PPM		Meth:	261.00 PCT		Meth:	261.XX PCT		Meth:	289.30 PPM	
Lead			Acid Soluble Manganese			Acid Soluble Manganese			Molybdenum		
Atomic Absorption			AA			Avg	0.010		ICP		
136	8.50	.87	105	0.011	-.71	354	0.010	.00	232	3.40	-.19
Avg	5.32					422	0.010	.00	102	3.22	-.21
481	2.14	-.86	Meth:	261.30 PCT		131	0.010	-.37	086	3.27	-.71
			Acid Soluble Manganese			247	0.010	-.38	009	2.11	-1.35
Meth:	251.30 PPM		ICP			102	0.009	-.69	106	2.00	-1.45
Lead			041	0.012	1.54	393	0.009	-.80			
ICP			232	0.011	.90	484	0.009	-1.23	Meth:	289.99 PPM	
474	14.45 s	8.81	035	0.010	.77	389	0.008	-2.11	Molybdenum		
009	5.14	1.95	086	0.010	.75				Other		
450	3.00	.38	009	0.011	.74	Meth:	281.00 PPM		231	2.00	-.71
230	2.50	.07	Avg	0.010		Mercury					
Avg	2.49		422	0.010	-.09	Atomic Absorption			Meth:	289.XX PPM	
102	2.44	-.17	354	0.010	-.09	230	0.01	.71	Molybdenum		
106	2.00	-.36	247	0.010	-.43	Meth:	281.30 PPM		433	16.45 s	12.79
368	1.80	-.53	131	0.010	-.46	Mercury			474	5.55	2.19
393	0.52	-1.45	102	0.009	-.76	ICP			450	4.00 R	1.18
			389	0.008	-2.15	393	1.42	.71	035	4.15	.98
Meth:	251.99 PPM					Meth:	281.XX PPM		393	3.95	.63
Lead			Meth:	261.99 PCT		Acid Soluble Manganese			247	3.45	.20
Other			Other			Other			232	3.40	.20
231	2.08	.71	474	0.027 S	25.61	474	0.027 S	.87	Avg	3.30	
			027	0.010	1.11	Avg	0.71		230	3.26	-.07
Meth:	251.XX PPM		Avg	0.009		393	0.009	-.31	102	3.22	-.09
Lead			484	0.009	-1.08	Meth:	289.30 PPM		368	3.30	-.10
474	14.45 s	10.05				Molybdenum			086	3.27	-.66
136	8.50 R	5.10	Meth:	261.XX PCT		ICP			009	2.11	-1.17
009	5.14	2.28	Acid Soluble Manganese			433	16.45 s	13.32	106	2.00	-1.27
450	3.00	.50	474	0.027 s	18.03	450	5.55	2.18	231	2.00	-1.36
102	2.44	.19	041	0.012	1.66	035	4.15	.93	Meth:	291.30 PPM	
230	2.50	.12	105	0.011	1.04	393	3.95	.55	Nickel		
Avg	2.40		232	0.011	1.01	247	3.45	.16	ICP		
481	2.14	-.22	009	0.011	.85	Avg	3.42		096	19.00	2.71
231	2.08	-.28	035	0.010	.83	086	0.010	.82	009	14.98	.66
106	2.00	-.33	086	0.010	.82	027	0.010	.43	233	15.29	.55
368	1.80	-.53	027	0.010	.43				035	15.50	.53
393	0.52	-1.57							247	15.35	.45

\* 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	2	0.00	1.22	0.09	050.XX	67	- 0.25	2.37	0.38
001.99	7	0.10	0.97	0.57	060.00	7	- 0.04	0.96	0.10
001.XX	9	0.08	0.98	0.52	060.XX	7	- 0.04	0.96	0.10
002.99	3	0.00	1.11	0.11	101.30	18	0.22	4.85	0.56
002.XX	3	0.00	1.11	0.11	101.XX	20	- 1.09	6.10	0.54
009.10	3	0.00	1.10	0.18	121.00	10	-	3.94	0.27
009.XX	3	0.00	1.10	0.18	121.30	37	1.16	11.31	1.75
010.11	9	7.85	24.55	0.30	121.99	2	0.00	1.22	0.00
010.12	6	- 3.69	8.61	2.09	121.XX	49	1.11	9.14	1.39
010.60	49	- 0.52	3.76	0.65	131.30	2	0.00	0.40	0.82
010.99	8	- 0.73	3.34	0.21	131.XX	4	0.00	1.08	0.03
010.XX	71	0.16	8.57	0.86	144.01	12	0.00	0.92	0.43
020.10	5	1.83	4.19	0.81	144.70	2	- 116.9	165.42	2.30
020.20	16	- 0.97	5.01	0.66	144.99	27	0.02	0.97	0.18
020.40	8	- 2.91	7.78	3.06	144.XX	41	- 0.43	2.20	0.25
020.50	10	0.64	1.62	0.24	151.30	8	0.86	2.61	0.26
020.99	4	0.00	1.05	0.23	151.99	2	0.00	1.14	0.31
020.XX	42	- 0.37	2.43	0.46	151.XX	11	0.72	2.57	0.27
030.50	2	0.00	1.10	0.38	165.00	5	0.000	0.983	0.356
030.XX	6	0.12	0.99	0.24	165.99	20	1.768	5.426	1.173
040.10	2	0.00	0.00	0.87	165.XX	25	1.611	5.563	1.197
040.99	3	0.74	1.54	1.39	171.99	2	0.000	1.225	0.015
040.XX	8	- 2.60	8.48	1.37	171.XX	3	0.000	1.118	0.013
041.10	13	0.21	1.05	0.81	181.00	2	0.00	1.14	0.31
041.40	4	0.00	0.61	0.77	181.30	12	- 1.18	2.87	0.62
041.50	10	0.00	0.85	0.54	181.99	2	0.00	1.19	0.19
041.60	8	0.00	0.89	0.49	181.XX	16	- 0.83	2.44	0.52
041.99	2	6.02	8.52	0.71	190.00	2	0.00	1.19	0.21
041.XX	33	0.27	1.73	0.56	190.XX	2	0.00	1.19	0.21
048.20	4	0.00	1.08	0.03	191.30	14	- 0.56	2.41	0.26
048.XX	5	0.00	1.06	0.03	191.XX	16	- 0.41	3.02	0.32
050.00	12	- 0.80	3.84	0.68	202.00	2	0.00	0.00	0.00
050.30	6	1.77	4.43	0.35	202.30	11	0.00	1.01	0.15
050.31	3	- 2.17	3.83	0.96	202.XX	14	0.26	1.37	0.15
050.50	9	- 0.45	1.64	0.18	221.00	3	38.112	66.013	6.3175
050.51	8	0.31	1.28	0.36	221.30	22	1.6812	6.7392	1.4274
050.60	4	0.00	0.52	0.82	221.99	2	0.0000	0.5634	0.7689
050.61	9	0.00	0.98	0.30	221.XX	27	7.4826	33.237	3.3411
050.99	21	- 0.35	1.87	0.30	241.00	8	8.36	25.58	0.70

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
241.30	38	0.73	6.31	0.58					
241.99	3	- 1.73	3.12	0.10					
241.XX	49	1.03	6.55	0.42					
251.00	2	0.00	1.22	0.10					
251.30	8	1.10	3.26	0.14					
251.XX	11	1.37	3.38	0.19					
261.30	11	0.000	0.962	0.336					
261.99	4	6.394	12.806	0.836					
261.XX	16	1.125	4.589	0.455					
281.XX	2	0.000	1.218	0.091					
289.30	13	1.07	3.79	0.43					
289.XX	14	0.96	3.52	0.41					
291.30	16	- 0.26	1.41	0.28					
291.XX	17	- 0.50	1.69	0.41					
301.30	2	0.00	1.22	0.06					
301.XX	3	0.00	1.11	0.08					
311.99	7	0.07	3.80	0.97					
311.XX	8	0.06	3.84	1.00					
321.00	10	0.000	0.981	0.289					
321.30	38	1.487	5.403	0.423					
321.99	5	6.153	12.400	0.283					
321.XX	52	2.391	8.967	0.427					
325.30	2	0.000	1.222	0.054					
325.XX	2	0.576	0.704	0.050					