

- Pass 1 Results for 72 Labs - - Pass 2 Results for 70 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation	920.03	001.10	1	0.03	0.01	0.02	1	0.03	0.01	0.02
Ammoniacal Nitrogen, Other		001.99	7	0.39	0.33	0.04	7	0.39	0.33	0.04
Method Group 001.XX PCT			8	0.35	0.33	0.04	8	0.35	0.33	0.04
Nitrate Nitrogen, Other		002.99	2	0.00	0.00	0.00	2	0.00	0.00	0.00
Water Insoluble Nitrogen, Meth I	945.01	003.10	2	8.13	0.02	0.04	2	8.13	0.02	0.04
Water Insoluble Nitrogen, Other		003.99	1	7.95	0.01	0.02	1	7.95	0.01	0.02
Method Group 003.XX PCT			3	8.07	0.09	0.03	3	8.07	0.09	0.03
Nitrogen From Urea, Other		005.99	1	0.53	0.04	0.05	1	0.53	0.04	0.05
Ammon & Nitrate N, Devarda	892.01	009.10	1	0.34	0.01	0.01	1	0.34	0.01	0.01
Ammon & Nitrate N, Other		009.99	1	0.98	0.00	0.00	1	0.98	0.00	0.00
Method Group 009.XX PCT			2	0.66	0.37	0.01	2	0.66	0.37	0.01
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	8.87	0.17	0.06	6	8.79	0.25	0.05
Total Nitrogen, Salicylic	955.04D	010.12	5	8.99	0.09	0.06	5	8.99	0.09	0.06
Total Nitrogen, Combustion		010.60	43	9.07	0.12	0.06	39	9.07	0.09	0.05
Total Nitrogen, Other		010.99	5	8.86	0.31	0.05	5	8.86	0.31	0.05
Method Group 010.XX PCT			63	9.03	0.20	0.06	61	9.03	0.20	0.05
Total Phosphate, Grav Quimociac	962.02	020.10	3	4.28	0.07	0.05	3	4.28	0.07	0.05
Total Phosphate, Spectrometric	958.01	020.20	10	4.35	0.29	0.06	10	4.35	0.29	0.06
Total Phosphate, Automated	978.01	020.40	4	4.27	0.11	0.11	4	4.27	0.11	0.11
Total Phosphate, ICP		020.50	10	4.49	0.21	0.09	10	4.49	0.21	0.09
Total Phosphate, Other		020.99	2	4.44	0.38	0.26	2	4.44	0.38	0.26
Method Group 020.XX PCT			30	4.40	0.25	0.08	27	4.43	0.20	0.06
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.49	0.04	0.05	1	0.49	0.04	0.05
Insoluble Phosphate, Automated	978.01	030.40	1	0.30	0.04	0.06	1	0.30	0.04	0.06
Insoluble Phosphate, ICP		030.50	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Insoluble Phosphate, Other		030.99	1	0.38	0.02	0.03	1	0.38	0.02	0.03
Method Group 030.XX PCT			4	0.29	0.19	0.04	4	0.29	0.19	0.04
InDir Available Phosphate, Grav Quim	960.02	040.10	1	3.86	0.01	0.01	1	3.86	0.01	0.01
InDir Available Phosphate, Automated	960.02	040.40	1	4.53	0.01	0.02	1	4.53	0.01	0.02
InDir Available Phosphate, ICP		040.50	1	4.42	0.03	0.04	1	4.42	0.03	0.04
InDir Available Phosphate, Other		040.99	1	3.92	0.03	0.04	1	3.92	0.03	0.04
Method Group 040.XX PCT			4	4.18	0.32	0.03	4	4.18	0.32	0.03
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	9	3.99	0.23	0.04	8	4.01	0.24	0.02
Dir Available Phosphate, Spectrometric	960.03D	041.20	3	3.78	0.70	0.69	3	3.78	0.70	0.69
Dir Available Phosphate, Automated	978.01	041.40	5	4.25	0.23	0.13	4	4.20	0.19	0.04
Dir Available Phosphate, ICP		041.50	11	4.13	0.38	0.09	10	4.05	0.32	0.07
Dir Available Phosphate, EDTA Extract	993.01	041.60	7	4.24	0.09	0.04	7	4.24	0.09	0.04
Method Group 041.XX PCT			36	4.13	0.37	0.12	34	4.12	0.34	0.06
Water Soluble Phosphate, Spectrometric	970.01	048.20	5	0.94	0.68	0.07	5	0.94	0.68	0.07

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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	0.82	0.01	0.02	1	0.82	0.01	0.02
Method Group 048.XX PCT			6	0.92	0.62	0.06	5	0.99	0.66	0.03
Soluble Potash, STPB Oxalate	958.02	050.00	2	3.72	0.19	0.03	2	3.72	0.19	0.03
Soluble Potash, AA (Oxalate)		050.30	6	3.62	0.31	0.06	6	3.62	0.31	0.06
Soluble Potash, AA (Citrate)		050.31	1	3.00	0.10	0.14	1	3.00	0.10	0.14
Soluble Potash, ICP (Oxalate)		050.50	7	3.73	0.10	0.04	7	3.73	0.10	0.04
Soluble Potash, ICP (Citrate)		050.51	8	3.81	0.22	0.06	8	3.81	0.22	0.06
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	4	4.00	0.17	0.04	4	4.00	0.17	0.04
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	9	3.71	0.11	0.04	8	3.71	0.10	0.01
Soluble Potash, Other		050.99	14	3.71	0.17	0.08	13	3.69	0.15	0.06
Method Group 050.XX PCT			52	3.74	0.24	0.06	48	3.75	0.22	0.04
Free Water, Vacuum Oven	965.08B	060.00	6	3.30	0.47	0.19	5	3.29	0.49	0.08
Free Water, Other		060.99	1	5.08	0.07	0.10	1	5.08	0.07	0.10
Method Group 060.XX PCT			7	3.56	0.78	0.18	6	3.59	0.83	0.09
Acid Soluble Calcium, AA	945.04	101.00	10	4.01	0.22	0.11	10	4.01	0.22	0.11
Acid Soluble Calcium, ICP		101.30	27	4.12	0.20	0.08	26	4.12	0.20	0.07
Acid Soluble Calcium, Other		101.99	2	3.96	0.11	0.17	2	3.96	0.11	0.17
Method Group 101.XX PCT			39	4.08	0.21	0.09	39	4.08	0.21	0.09
Acid Soluble Magnesium, AA	984.01	121.00	10	1.67	0.08	0.05	10	1.67	0.08	0.05
Acid Soluble Magnesium, ICP		121.30	31	1.72	0.10	0.03	28	1.72	0.11	0.02
Acid Soluble Magnesium, Other		121.99	2	1.84	0.07	0.03	2	1.84	0.07	0.03
Method Group 121.XX PCT			44	1.72	0.10	0.04	41	1.71	0.10	0.03
Water Soluble Magnesium, AA		131.00	2	1.44	0.15	0.07	2	1.44	0.15	0.07
Water Soluble Magnesium, ICP		131.30	2	1.42	0.15	0.07	2	1.42	0.15	0.07
Water Soluble Magnesium, Other		131.99	1	1.41	0.04	0.05	1	1.41	0.04	0.05
Method Group 131.XX PCT			5	1.42	0.12	0.06	5	1.42	0.12	0.06
Sulfur, Gravimetric	980.02a	144.01	10	3.43	0.40	0.07	10	3.43	0.40	0.07
Sulfur, Gravimetric	980.02b	144.02	1	4.37	0.00	0.00	1	4.37	0.00	0.00
Sulfur, Other		144.99	19	4.11	0.17	0.07	18	4.12	0.16	0.06
Method Group 144.XX PCT			31	3.87	0.44	0.07	30	3.87	0.44	0.06
Arsenic, Atomic Absorption		151.00	1	0.30	0.00	0.00	1	0.30	0.00	0.00
Arsenic, ICP		151.30	3	2.37	1.21	0.71	3	2.37	1.21	0.71
Arsenic, Other		151.99	1	0.25	0.01	0.01	1	0.25	0.01	0.01
Method Group 151.XX PPM			5	1.53	1.41	0.43	4	1.66	1.48	0.05
Acid Soluble Boron, Other		165.99	4	0.013	0.014	0.005	3	0.007	0.010	0.000
Cadmium, Atomic Absorption		181.00	1	0.65	0.07	0.10	1	0.65	0.07	0.10
Cadmium, ICP		181.30	3	0.24	0.48	0.33	3	0.24	0.48	0.33
Method Group 181.XX PPM			4	0.34	0.45	0.28	3	0.22	0.33	0.03
Chromium, ICP		191.30	9	32.24	6.86	1.38	9	32.24	6.86	1.38

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Chromium, Other		191.99	1	33.38	0.64	0.90	1	33.38	0.64	0.90
Method Group 191.XX PPM			10	32.35	6.50	1.33	10	32.35	6.50	1.33
Acid Soluble Cobalt, ICP	965.11	202.30	7	2.57	0.90	0.17	6	2.46	0.93	0.10
Acid Soluble Cobalt, Other		202.99	2	3.47	0.69	0.11	2	3.47	0.69	0.11
Method Group 202.XX PPM			9	2.77	0.92	0.16	8	2.71	0.96	0.10
Acid Soluble Copper, Atomic Absorption	975.01	221.00	2	0.0007	0.0008	0.0001	2	0.0007	0.0008	0.0001
Acid Soluble Copper, ICP		221.30	12	0.0014	0.0003	0.0001	10	0.0015	0.0003	0.0000
Acid Soluble Copper, Other		221.99	1	0.0016	0.0001	0.0002	1	0.0016	0.0001	0.0002
Method Group 221.XX PCT			15	0.0014	0.0005	0.0001	13	0.0013	0.0005	0.0000
Acid Soluble Iron, Atomic Absorption	980.01	241.00	2	0.07	0.01	0.00	2	0.07	0.01	0.00
Acid Soluble Iron, ICP		241.30	10	0.06	0.01	0.00	10	0.06	0.01	0.00
Method Group 241.XX PCT			12	0.06	0.01	0.00	12	0.06	0.01	0.00
Lead, Atomic Absorption		251.00	2	4.08	3.48	1.15	2	4.08	3.48	1.15
Lead, ICP		251.30	4	3.15	4.30	0.27	3	3.79	4.89	0.06
Method Group 251.XX PPM			6	3.46	3.91	0.56	5	2.75	3.89	0.28
Acid Soluble Manganese, ICP	972.02a	261.30	8	0.004	0.000	0.000	7	0.004	0.000	0.000
Acid Soluble Manganese, Other		261.99	1	0.005	0.000	0.000	1	0.005	0.000	0.000
Method Group 261.XX PCT			9	0.004	0.001	0.000	8	0.004	0.000	0.000
Mercury, ICP		281.30	1	2.13	0.13	0.19	1	2.13	0.13	0.19
Molybdenum, ICP		289.30	9	2.92	0.77	0.16	9	2.92	0.77	0.16
Molybdenum, Other		289.99	2	1.92	2.21	0.08	2	1.92	2.21	0.08
Method Group 289.XX PPM			11	2.74	1.16	0.15	11	2.74	1.16	0.15
Nickel, Atomic Absorption		291.00	2	19.00	1.41	1.00	2	19.00	1.41	1.00
Nickel, ICP		291.30	10	17.36	3.49	0.91	9	16.79	3.14	0.67
Nickel, Other		291.99	1	18.70	0.51	0.72	1	18.70	0.51	0.72
Method Group 291.XX PPM			13	17.71	3.15	0.91	12	17.31	2.91	0.73
Selenium, ICP		301.30	2	6.98	6.79	0.27	2	6.98	6.79	0.27
Selenium, Other		301.99	2	0.72	0.06	0.06	2	0.72	0.06	0.06
Method Group 301.XX PPM			4	3.85	5.57	0.16	4	3.85	5.57	0.16
Sodium, Atomic Absorption	983.04	311.00	1	0.44	0.00	0.00	1	0.44	0.00	0.00
Sodium, Other		311.99	5	0.50	0.04	0.00	5	0.50	0.04	0.00
Method Group 311.XX PCT			6	0.49	0.05	0.00	6	0.49	0.05	0.00
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	2	0.013	0.005	0.006	2	0.013	0.005	0.006
Acid Soluble Zinc, ICP		321.30	19	0.011	0.005	0.000	18	0.011	0.005	0.000
Method Group 321.XX PCT			21	0.011	0.005	0.001	20	0.011	0.005	0.000
Water Soluble Zinc, ICP		325.30	1	0.005	0.006	0.009	1	0.005	0.006	0.009

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT											
Total Nitrogen											
324	9.07	.19									
096	9.05	.19									
254	9.06	.16									
231	9.06	.15									
040	9.05	.11									
354	9.03	.10									
Avg	9.03										
402	9.02	-.06									
361	9.02	-.06									
309	9.03	-.12									
443	9.00	-.14									
027	9.00	-.14									
406	9.01	-.17									
023	8.99	-.19									
157	8.98	-.21									
177	9.02	-.25									
009	9.01	-.26									
090	8.98	-.27									
368	8.97	-.30									
131	8.97	-.32									
262	8.97	-.35									
114	8.96	-.39									
397	8.97	-.49									
233	8.94	-.51									
185	8.92	-.55									
416	8.91	-.56									
232	8.92	-.57									
234	8.89	-.70									
426	8.88	-1.01									
029	8.82	-1.07									
371	8.77	-1.28									
041	8.74	-1.48									
420	8.67	-1.78									
390	8.65	-1.87									
405	8.65	-1.91									
260	8.62	-2.03									
420	8.60	-2.13									
460	8.57	-2.24									
Meth: 010.XX PCT											
Total Nitrogen											
456	8.37 s	-3.28									
393	8.29 s	-3.65									
Meth: 020.10 PCT											
Total Phosphate											
090	4.34	.95									
114	4.30	.25									
Avg	4.28										
041	4.21	-1.24									
Meth: 020.20 PCT											
Total Phosphate											
257	7.30 s	10.04									
309	6.13 S	6.04									
406	5.32 S	3.28									
419	4.71	1.22									
363	4.62	.91									
292	4.55	.66									
232	4.47	.41									
231	4.45	.35									
324	4.42	.24									
Avg	4.35										
177	4.26	-.33									
405	4.23	-.41									
416	4.18 X	-.61									
460	3.65	-2.40									
420	3.48 S	-2.97									
Meth: 020.40 PCT											
Total Phosphate											
096	4.83 s	5.34									
456	4.30	.50									
247	4.30	.29									
042	4.30	.29									
Avg	4.27										
Meth: 020.40 PCT											
Total Phosphate											
257	7.30 s	14.19									
309	6.13 s	8.39									
406	5.32 s	4.39									
422	4.93	2.50									
096	4.83	2.00									
443	4.74 R	1.83									
419	4.71	1.41									
390	4.64	1.10									
363	4.62	.96									
231	4.62	.94									
Meth: 020.50 PCT											
Total Phosphate											
422	4.93	2.13									
390	4.64	.78									
231	4.62	.61									
361	4.54	.23									
Avg	4.49										
255	4.43	-.32									
402	4.42	-.34									
393	4.39	-.52									
426	4.40	-.80									
368	4.36	-.87									
432	4.20	-1.43									
389	3.10 s	-6.72									
Meth: 020.99 PCT											
Total Phosphate											
443	4.74	.94									
Avg	4.44										
234	4.14	-.78									
Meth: 020.XX PCT											
Total Phosphate											
257	7.30 s	14.19									
309	6.13 s	8.39									
406	5.32 s	4.39									
422	4.93	2.50									
096	4.83	2.00									
443	4.74 R	1.83									
419	4.71	1.41									
390	4.64	1.10									
363	4.62	.96									
231	4.62	.94									
Meth: 030.10 PCT											
Insoluble Phosphate											
090	0.49	.71									
Meth: 030.40 PCT											
Insoluble Phosphate											
096	0.30	-.71									
Meth: 030.50 PCT											
Insoluble Phosphate											
255	0.00	.00									
Meth: 030.99 PCT											
Insoluble Phosphate											
Other											
247	0.38	.71									
Meth: 040.10 PCT											
InDir Available Phos											
090	0.49	1.02									
247	0.38	.45									
096	0.30	.16									
Avg	0.29										
255	0.00	-1.50									
Meth: 040.10 PCT											
InDir Available Phos											
Grav Quim											
090	3.86	.71									
Meth: 040.40 PCT											
InDir Available Phos											
Automated											
096	4.53	.71									
Meth: 040.50 PCT											
InDir Available Phos											
ICP											
255	4.42	.71									
Meth: 040.99 PCT											
InDir Available Phos											
Other											
247	3.92	.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: 040.XX PCT											
<u>InDir Available Phos</u>											
096	4.53	1.09									
255	4.42	.76									
Avg	4.18										
247	3.92	-.82									
090	3.86	-1.03									
Meth: 041.10 PCT											
<u>Dir Available Phosph</u>											
377	4.18	.41									
Avg	4.05										
354	4.03	-.08									
361	3.98	-.25									
009	3.92	-.57									
291	3.81	-.80									
393	3.34	-2.26									
Meth: 041.60 PCT											
<u>Dir Available Phosph</u>											
037	4.11	-.06									
102	4.06	-.17									
354	4.03	-.26									
361	3.98	-.42									
040	3.95	-.49									
024	4.34	1.10									
296	4.31	.80									
Avg	4.24										
073	4.20	-.44									
351	4.21	-.57									
034	4.16	-.86									
037	4.11	-1.41									
Meth: 041.XX PCT											
<u>Dir Available Phosph</u>											
030	4.20 R	2.81									
397	5.03	2.67									
055	4.83	2.14									
072	4.45 R	1.20									
023	4.40	.85									
360	4.37	.74									
095	4.36	.72									
043	4.35	.68									
024	4.34	.66									
Meth: 041.20 PCT											
<u>Dir Available Phosph</u>											
030	4.20	1.50									
Avg	3.78										
262	3.70	-.11									
363	3.44	-.49									
Meth: 041.40 PCT											
<u>Dir Available Phosph</u>											
072	4.45 R	1.82									
095	4.36	.86									
027	4.29	.46									
029	4.26	.31									
Avg	4.20										
131	3.91	-1.57									
Meth: 041.XX PCT											
<u>Dir Available Phosph</u>											
325	4.31	.57									
296	4.31	.56									
027	4.29	.51									
029	4.26	.41									
136	4.25	.40									
007	4.23	.34									
351	4.21	.31									
073	4.20	.25									
254	4.19	.21									
377	4.18	.21									
009	4.17	.18									
072	4.17	.14									
034	4.16	.13									
Avg	4.12										
037	4.11	-.06									
102	4.06	-.17									
354	4.03	-.26									
361	3.98	-.42									
040	3.95	-.49									
131	3.91	-.62									
009	3.92	-.68									
131	3.81	-.91									
055	3.82	-.92									
291	3.81	-.92									
262	3.70	-1.22									
185	3.53	-1.72									
363	3.44	-1.98									
393	3.34	-2.28									
260	2.80 s	-3.91									
Meth: 041.XX PCT											
<u>Dir Available Phosph</u>											
030	4.20 R	2.81									
397	5.03	2.67									
055	4.83	2.14									
072	4.45 R	1.20									
023	4.40	.85									
360	4.37	.74									
095	4.36	.72									
043	4.35	.68									
024	4.34	.66									
Meth: 041.50 PCT											
<u>Dir Available Phosph</u>											
325	4.31	.57									
296	4.31	.56									
027	4.29	.51									
029	4.26	.41									
136	4.25	.40									
007	4.23	.34									
351	4.21	.31									
073	4.20	.25									
254	4.19	.21									
377	4.18	.21									
009	4.17	.18									
072	4.17	.14									
034	4.16	.13									
Avg	4.12										
037	4.11	-.06									
102	4.06	-.17									
354	4.03	-.26									
361	3.98	-.42									
040	3.95	-.49									
131	3.91	-.62									
009	3.92	-.68									
131	3.81	-.91									
055	3.82	-.92									
291	3.81	-.92									
262	3.70	-1.22									
185	3.53	-1.72									
363	3.44	-1.98									
393	3.34	-2.28									
260	2.80 s	-3.91									
Meth: 041.60 PCT											
<u>Dir Available Phosph</u>											
030	4.20 R	2.81									
397	5.03	2.67									
055	4.83	2.14									
072	4.45 R	1.20									
023	4.40	.85									
360	4.37	.74									
095	4.36	.72									
043	4.35	.68									
024	4.34	.66									
Meth: 041.50 PCT											
<u>Dir Available Phosph</u>											
325	4.31	.57									
296	4.31	.56									
027	4.29	.51									
029	4.26	.41									
136	4.25	.40									
007	4.23	.34									
351	4.21	.31									
073	4.20	.25									
254	4.19	.21									
377	4.18	.21									
009	4.17	.18									
072	4.17	.14									
034	4.16	.13									
Avg	4.12										
037	4.11	-.06									
102	4.06	-.17									
354	4.03	-.26									
361	3.98	-.42									
040	3.95	-.49									
131	3.91	-.62									
009	3.92	-.68									
131	3.81	-.91									
055	3.82	-.92									
291	3.81	-.92									
262	3.70	-1.22									
185	3.53	-1.72									
363	3.44	-1.98									
393	3.34	-2.28									
260	2.80 s	-3.91									
Meth: 048.20 PCT											
<u>Water Soluble Phosph</u>											
420	0.40	-.80									
Meth: 048.50 PCT											
<u>Water Soluble Phosph</u>											
393	0.82	-.71									
Meth: 048.XX PCT											
<u>Water Soluble Phosph</u>											
309	2.21	1.84									
Avg	0.99										
393	0.82	-.25									
363	0.79	-.30									
405	0.72	-.41									
096	0.62 R	-.58									
420	0.40	-.89									
Meth: 050.00 PCT											
<u>Soluble Potash</u>											
009	3.88	.86									
Avg	3.72										
397	3.56	-.87									
072	2.65 S	-5.88									
114	2.39 S	-7.16									
416	2.32 S	-7.53									
257	2.05 S	-8.96									
102	2.02 S	-9.12									
Meth: 050.30 PCT											
<u>Soluble Potash</u>											
361	4.05	1.08									
291	4.04	1.02									
023	3.98	.78									
432	3.87	.46									
Avg	3.81										
009	3.81	-.14									
007	3.73	-.44									
377	3.64	-.80									
393	3.39	-1.91									
389	2.60 s	-5.48									
Meth: 050.50 PCT											
<u>Soluble Potash</u>											
422	5.06 S	13.38									
426	4.72 S	10.10									
354	3.91	1.79									
420	3.78	.56									
419	3.77	.46									
Avg	3.73										
292	3.72	-.13									
055	3.69	-.46									
324	3.63	-1.04									
390	3.61	-1.21									
Meth: 050.51 PCT											
<u>Soluble Potash</u>											
361	4.05	1.08									
291	4.04	1.02									
023	3.98	.78									
432	3.87	.46									
Avg	3.81										
009	3.81	-.14									
007	3.73	-.44									
377	3.64	-.80									
393	3.39	-1.91									
389	2.60 s	-5.48									

* 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: 050.60 PCT																	
Soluble Potash																	
Flame (Oxalate)																	
460	4.23	1.32	042	3.67	-0.90	Meth: 050.99 PCT									007	3.73	-0.24
443	4.07	.42	368	3.53	-1.18	Soluble Potash									055	3.69	-0.31
Avg	4.00		402	3.43	-1.70	Other									024	3.68	-0.32
309	3.89	-.65	Meth: 050.99 PCT												029	3.68	-0.32
406	3.81	-1.08	Soluble Potash												034	3.66	-0.42
Meth: 050.61 PCT																	
Soluble Potash																	
Flame (Citrate)																	
030	4.72	10.01	422	5.06	6.01	Meth: 050.99 PCT									255	3.66	-0.45
095	3.91	1.95	030	4.72	4.52	Soluble Potash									040	3.68	-0.52
131	3.80	.80	426	4.72	4.52	Other									377	3.64	-0.53
456	3.77	.56	234	4.32	2.60	Meth: 050.99 PCT									177	3.63	-0.54
Avg	3.71		460	4.23	2.19	Soluble Potash									232	3.63	-0.56
029	3.68	-.33	443	4.07	1.46	Other									324	3.63	-0.57
024	3.68	-.33	361	4.05	1.38	Meth: 050.99 PCT									035	3.62	-0.60
034	3.66	-.54	291	4.04	1.31	Soluble Potash									390	3.61	-0.65
035	3.62	-.92	432	3.87	.66	Other									090	3.60	-0.72
041	3.60	-1.18	027	3.89	.65	Meth: 050.99 PCT									041	3.60	-0.72
037	3.66	-1.39	309	3.89	.63	Soluble Potash									037	3.66	-0.73
Meth: 050.99 PCT																	
Soluble Potash																	
Other																	
234	4.32	4.13	072	3.88	.58	Meth: 050.99 PCT									042	3.67	-0.74
260	3.95	R	009	3.88	.58	Soluble Potash									131	3.56	-0.90
027	3.89	1.33	043	3.86	.50	Other									397	3.56	-0.91
072	3.88	1.23	325	3.85	.44	Meth: 050.99 PCT									368	3.53	-1.09
325	3.85	1.04	300	3.84	.39	Soluble Potash									456	2.95	-.78
300	3.84	.97	262	3.83	.37	Other									007	2.61	-1.19
360	3.80	.74	009	3.81	.31	Meth: 050.99 PCT									Meth: 050.99 PCT		
Avg	3.69		406	3.81	.29	Soluble Potash									Free Water		
255	3.66	-.30	360	3.80	.26	Other									Vacuum Oven		
177	3.63	-.36	131	3.80	.21	Meth: 050.99 PCT									416	3.37	X
232	3.63	-.39	420	3.78	.17	Soluble Potash									Avg	3.29	
090	3.60	X	419	3.77	.13	Other									456	2.95	-.71
131	3.56	-.88	456	3.77	.10	Meth: 050.99 PCT									007	2.61	-1.41
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
292	3.72	-.15	Avg	3.75	.75	Free Water									Meth: 060.00 PCT		
Meth: 050.99 PCT																	
Soluble Potash																	
Other																	
096	3.65	.72	096	3.72	.72	Free Water									Vacuum Oven		
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	045	3.89	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.71
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									443	5.08	.71
363	3.36	R	363	3.36	R	Soluble Potash									Meth: 060.00 PCT		
096	3.65	.07	096	3.65	.07	Other									Free Water		
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.71
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.71
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.71
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.71
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.71
Meth: 050.99 PCT																	
Soluble Potash																	
Flame (Citrate)																	
042	3.72	1.22	042	3.72	1.22	Meth: 050.99 PCT									416	3.37	X
363	3.36	R	363	3.36	R	Soluble Potash									Avg	3.29	
096	3.65	.07	096	3.65	.07	Other									456	2.95	-.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	Lab	Average*	Index
Meth: 101.99 PCT														
Acid Soluble Calcium														
Other														
460	3.08 S	-8.33												
Meth: 101.99 PCT														
Acid Soluble Calcium														
422	5.10 s	4.91												
041	4.59	2.49												
117	4.47	1.85												
028	4.39	1.55												
231	4.40	1.54												
433	4.39	1.48												
420	4.33	1.25												
354	4.28	.97												
255	4.14	.75												
157	4.19	.68												
037	4.22	.67												
102	4.19	.56												
432	4.14	.40												
390	4.15	.38												
300	4.14	.37												
177	4.11	.21												
324	4.09	.12												
389	4.10	.08												
262	4.09	.06												
419	4.09	.06												
Avg	4.08													
291	4.06	-.14												
247	4.04	-.21												
397	4.06 X	-.22												
361	4.03	-.29												
360	4.02	-.34												
131	4.05	-.41												
363	3.99	-.48												
009	3.98	-.50												
042	4.00	-.63												
043	3.93	-.76												
296	3.94	-.79												
073	3.92	-.83												
* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits														
Meth: 101.99 PCT														
Acid Soluble Calcium														
023	3.92	-.83												
114	3.93	-.83												
232	3.90	-.90												
368	3.91	-.92												
055	3.91	-1.00												
095	3.83	-1.21												
296	3.84	-1.27												
029	3.55	-2.60												
460	3.08 s	-4.89												
393	2.62 s	-7.49												
Meth: 121.00 PCT														
Acid Soluble Magnesi														
AA														
257	1.90 s	3.26												
309	1.80	1.68												
028	1.69	1.00												
157	1.68	.93												
055	1.73	.70												
177	1.73	.70												
Avg	1.67													
397	1.66	-.26												
296	1.66	-.26												
262	1.65	-.32												
043	1.60	-1.05												
029	1.57	-1.59												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP														
426	2.16 s	4.27												
117	1.96	2.31												
291	1.90	1.66												
422	1.87	1.38												
433	1.84	1.11												
041	1.83	1.04												
102	1.82	.93												
231	1.82	.90												
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP														
027	1.54	.81												
Avg	1.42													
432	1.30	-.92												
Meth: 131.99 PCT														
Water Soluble Magnesi														
Other														
234	1.41	.71												
Meth: 121.99 PCT														
Water Soluble Magnesi														
ICP														
027	1.54	.81												
Avg	1.42													
432	1.30	-.92												
Meth: 121.99 PCT														
Water Soluble Magnesi														
Other														
234	1.41	.71												
Meth: 121.99 PCT														
Water Soluble Magnesi														
ICP														
027	1.54	.81												
Avg	1.42													
432	1.30	-.92												
Meth: 121.99 PCT														
Water Soluble Magnesi														
Other														
234	1.41	.71												
Meth: 121.99 PCT														
Water Soluble Magnesi														
ICP														
027	1.54	.81												
Avg	1.42													
432	1.30	-.92												
Meth: 121.99 PCT														
Water Soluble Magnesi														
Other														
234	1.41	.71												
Meth: 121.99 PCT														
Water Soluble Magnesi														
ICP														
027	1.54	.81												
Avg	1.42													
432	1.30	-.92												

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 144.01 PCT														
Sulfur														
Gravimetric														
296	4.23	1.99	232	3.90	-1.36	027	3.17	-1.59	324	0.001	-0.60	232	25.70	-0.97
095	4.05	1.55	368	3.89 R	-1.67	114	3.10	-1.74	232	0.001	-0.69	247	25.50	-0.99
029	3.56	.34	255	3.85	-1.71	043	2.98	-2.01	393	1.93 s	-4.38	027	20.68	-1.69
Avg	3.43		027	3.17 s	-5.83	393	1.93 s	-4.38						
055	3.41	-0.07	393	1.93 s	-13.37									
397	3.35	-0.27												
324	3.28	-0.38	Meth: 144.99 PCT											
073	3.20	-0.59	Sulfur											
102	3.18	-0.64	117	4.42	1.24	027	3.17	-1.59	324	0.001	-0.60	232	25.70	-0.97
114	3.10	-0.84	292	4.37	1.13	114	3.10	-1.74	232	0.001	-0.69	247	25.50	-0.99
043	2.98	-1.15	157	4.36	1.11	043	2.98	-2.01	393	1.93 s	-4.38	027	20.68	-1.69
Meth: 144.02 PCT														
Sulfur														
292	4.37	.00	360	4.28	.95	393	1.93 s	-13.37						
			300	4.24	.85	027	3.17 s	-5.83						
			296	4.23	.82	393	1.93 s	-13.37						
			354	4.21	.80	027	3.17 s	-5.83						
			422	4.22	.78	393	1.93 s	-13.37						
			296	4.20	.75	027	3.17 s	-5.83						
			419	4.18	.70	393	1.93 s	-13.37						
Meth: 144.99 PCT														
Sulfur														
009	4.18	.69	009	4.18	.69	027	3.17 s	-5.83						
291	4.13	.59	291	4.13	.59	393	1.93 s	-13.37						
117	4.42	1.81	363	4.10	.53	027	3.17 s	-5.83						
157	4.36	1.45	247	4.08	.47	393	1.93 s	-13.37						
360	4.28	1.11	095	4.05	.41	027	3.17 s	-5.83						
354	4.21	.76	361	4.05	.40	393	1.93 s	-13.37						
300	4.24	.76	368	3.89 R	.34	027	3.17 s	-5.83						
422	4.22	.56	023	3.95	.20	393	1.93 s	-13.37						
296	4.20	.49	390	3.95	.19	027	3.17 s	-5.83						
419	4.18	.36	389	3.93	.14	393	1.93 s	-13.37						
009	4.18	.35	232	3.90	.08	027	3.17 s	-5.83						
291	4.13	.08	231	3.87	-0.95	393	1.93 s	-13.37						
Avg	4.12		255	3.85	-0.13	027	3.17 s	-5.83						
363	4.10	-0.11	029	3.56	-0.72	393	1.93 s	-13.37						
247	4.08	-0.29	055	3.41	-1.05	029	3.56	-0.72						
361	4.05	-0.48	397	3.35	-1.18	055	3.41	-1.05						
023	3.95	-1.07	324	3.28	-1.33	397	3.35	-1.18						
390	3.95	-1.10	073	3.20	-1.52	324	3.28	-1.33						
389	3.93	-1.21	102	3.18	-1.55	073	3.20	-1.52						
						102	3.18	-1.55						

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth:	202.99 PPM		Meth:	221.30 PCT		Meth:	241.00 PCT		Meth:	251.00 PPM	
Acid Soluble Cobalt			Acid Soluble Copper			Acid Soluble Iron			Acid Soluble Manganese		
Other			ICP			Atomic Absorption			Other		
393	4.06	.87	368	0.0014	-.16	073	0.08	.87	393	0.005 X	.71
Avg	3.47		096	0.0014	-.16	Avg	0.07		Avg	4.08	
231	2.87	-.86	296	0.0012	-.72	363	0.06	-.86	296	1.15	-.84
			232	0.0012	-.80						
Meth:	202.XX PPM		009	0.0012	-.93	Meth:	241.30 PCT		Meth:	251.30 PPM	
Acid Soluble Cobalt			255	0.0012 R	-.97	Acid Soluble Iron			Lead		
422	7.51 s	4.98	247	0.0011	-1.12	ICP			ICP		
393	4.06	1.40	422	0.13 s	4.57	422	0.13 s	4.57	393	10.10	1.29
390	3.96	1.30	354	0.09	2.12	354	0.09	2.12	Avg	3.79	.67
368	3.20 R	.59	Meth:	221.99 PCT		324	0.07	.39	368	1.25 R	-.53
009	3.20	.52	Acid Soluble Copper			389	0.07	.31	419	0.75	-.62
231	2.87	.16	Other			009	0.06	.17	390	0.51	-.67
Avg	2.71		231	0.0016	.71	027	0.07	.15			
296	2.60	-.12	Meth:	221.XX PCT		102	0.07	.11	Meth:	251.XX PPM	
232	1.75	-1.00	Acid Soluble Copper			393	0.06	.03	Lead		
102	1.72	-1.03	422	0.0350 s	70.11	Avg	0.06		393	10.10	1.89
419	1.55	-1.21	354	0.0045 s	6.57	096	0.06	-.26	136	7.00 R	1.12
			041	0.0045 s	6.57	232	0.05	-.88	Avg	2.75	
Meth:	221.00 PCT		402	0.0020	1.34	041	0.04	-1.96	368	1.25	-.40
Acid Soluble Copper			095	0.0020	1.34				296	1.15	-.41
Atomic Absorption			231	0.0016	.53	Meth:	241.XX PCT		419	0.75	-.52
043	0.0015	.87	433	0.0016 R	.52	Acid Soluble Iron			390	0.51	-.58
Avg	0.0007		102	0.0015	.36	422	0.13 s	4.79			
262	0.0000	-.86	419	0.0015	.31	354	0.09	2.19	Meth:	261.30 PCT	
			043	0.0015	.23	073	0.08	.83	Acid Soluble Manganese		
Meth:	221.30 PCT		368	0.0014	.12	324	0.07	.35	ICP		
Acid Soluble Copper			096	0.0014	.10	389	0.07	.27	393	6.65 S	4.85
ICP			Avg	0.0013		009	0.06	.16	433	4.42	1.95
422	0.0350 s	107.87	296	0.0012	-.26	027	0.07	.09	368	3.45	.72
354	0.0045 S	9.82	232	0.0012	-.31	102	0.07	.08	296	3.15	.31
041	0.0045 S	9.82	009	0.0012	-.39	Avg	0.06		419	3.10	.23
402	0.0020	1.74	255	0.0012 R	-.47	393	0.06	-.05	232	2.95	.20
095	0.0020	1.74	247	0.0011	-.51	363	0.06	-.13	009	3.05	.18
433	0.0016 R	.57	262	0.0000	-2.78	096	0.06	-.35	Avg	2.92	
102	0.0015	.25				232	0.05	-1.01	102	2.21	-.96
419	0.0015	.15				041	0.04	-2.15	390	1.99	-1.21
Avg	0.0015								247	1.96	-1.25
									354	0.003	-1.57

* 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: 289.99 PPM			Meth: 291.30 PPM			Meth: 301.99 PPM			Meth: 321.00 PCT		
Molybdenum			Nickel			Selenium			Acid Soluble Zinc		
Other			ICP			Other			Atomic Absorption		
231	3.84	.87	393	17.56	.26	231	0.76	1.01	262	0.015	1.14
Avg	1.92		Avg	16.79		Avg	0.72		Avg	0.013	
422	0.00	-.87	247	14.00	-.89	296	0.68	-.69	043	0.011	-.44
			232	13.90	-.94				296	0.012	.15
Meth: 289.99 PPM			027	11.08	-1.81	Meth: 301.99 PPM			Meth: 321.30 PCT		
Molybdenum						Selenium			Acid Soluble Zinc		
393	6.65 s	3.39	393	12.87	1.62	393	12.87	1.62	ICP		
433	4.42	1.46	Avg	3.85		Avg	3.85		432	0.145 s	28.55
231	3.84	.95	368	1.10	-.49	231	0.76	-.56	368	0.028 s	3.54
368	3.45	.63	231	0.76	-.56	296	0.68	-.57	422	0.020	1.81
296	3.15	.36	296	0.68	-.57				354	0.020	1.81
419	3.10	.31				Meth: 311.00 PCT			037	0.015 R	.91
009	3.05	.27	Meth: 291.99 PPM			Sodium			041	0.014	.50
232	2.95	.23	Nickel			Sodium			255	0.013	.41
Avg	2.74		390	24.60 s	2.94	Atomic Absorption			402	0.013	.39
102	2.21	-.49	096	22.50 R	1.86	262	0.44	.00	102	0.012	.19
390	1.99	-.65	009	20.20	1.00				296	0.012	.18
247	1.96	-.67	136	20.00	.99	Meth: 311.99 PCT			096	0.012	.13
422	0.00	-2.37	037	20.02	.93	Sodium			419	0.012	.12
			368	19.95	.91	Other			390	0.012	.11
Meth: 291.00 PPM			231	18.70	.49	422	0.56	1.32	433	0.011	.08
Nickel			296	18.00	.24	102	0.54	.94	Avg	0.011	
Atomic Absorption			419	17.50	.18	Avg	0.50		009	0.011	-.03
136	20.00	1.00	393	17.56	.11	363	0.48	-.45	389	0.010	-.21
Avg	19.00		Avg	17.31		009	0.46	-.81	232	0.010	-.27
296	18.00	-.71	102	16.86	-.43	232	0.46	-1.01	095	0.009	-.34
			247	14.00	-1.14				363	0.009	-.38
Meth: 291.30 PPM			232	13.90	-1.19	Meth: 311.99 PCT			027	0.000	-2.22
Nickel			027	11.08	-2.14	Sodium			292	0.000	-2.24
ICP						422	0.56	1.47			
390	24.60 s	2.87	Meth: 301.30 PPM			102	0.54	1.12	Meth: 321.99 PCT		
096	22.50 R	1.88	Selenium			Avg	0.49		Acid Soluble Zinc		
009	20.20	1.09	ICP			363	0.48	-.21	432	0.145 s	29.43
037	20.02	1.03	393	12.87	.87	009	0.46	-.55	368	0.028 s	3.61
368	19.95	1.01	Avg	6.98		232	0.46	-.75	422	0.020	1.82
102	16.86	.37	368	1.10	-.87	262	0.44	-1.08	354	0.020	1.82
419	17.50	.28							262	0.015 R	1.30

* 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
001.99	7	0.00	1.04	0.08	101.30	29	- 0.09	1.95	0.53
001.XX	8	0.00	1.03	0.08	101.99	3	- 2.78	4.82	0.66
002.99	2	0.00	1.20	0.17	101.XX	41	- 0.15	1.82	0.46
002.XX	2	0.00	1.20	0.17	121.00	11	0.27	1.22	0.63
003.10	2	0.00	0.71	0.71	121.30	32	0.10	1.20	0.27
003.XX	3	0.00	1.10	0.17	121.99	2	0.00	1.18	0.24
009.XX	2	0.00	1.22	0.01	121.XX	44	0.14	1.18	0.34
010.11	6	0.00	1.04	0.11	131.00	2	0.00	1.19	0.21
010.12	5	0.00	0.93	0.46	131.30	2	0.00	1.14	0.31
010.60	49	- 0.27	2.30	0.47	131.XX	5	0.00	1.01	0.30
010.99	6	0.39	1.34	0.24	144.01	10	0.00	1.02	0.11
010.XX	64	- 0.03	1.17	0.24	144.99	21	- 0.98	3.25	0.30
020.10	3	0.00	0.99	0.43	144.XX	31	- 0.16	1.25	0.11
020.20	14	1.17	3.36	0.10	151.30	3	0.00	0.96	0.46
020.40	5	1.07	2.44	0.70	151.XX	5	- 0.09	0.95	0.29
020.50	11	- 0.61	2.23	0.29	165.99	4	0.577	1.471	0.509
020.99	2	0.00	1.09	0.39	165.XX	4	0.577	1.471	0.509
020.XX	34	0.34	3.46	0.31	181.30	4	10.92	21.86	0.58
030.XX	4	0.00	1.07	0.11	181.XX	5	12.83	27.91	0.74
040.XX	4	0.00	1.08	0.05	191.30	10	0.45	1.73	0.13
041.10	10	- 0.60	1.86	0.28	191.XX	11	0.43	1.74	0.13
041.20	3	0.00	0.55	0.80	202.30	8	0.78	2.10	0.13
041.40	5	0.26	1.09	0.59	202.99	2	0.00	1.22	0.09
041.50	11	0.22	1.22	0.21	202.XX	10	0.55	1.81	0.12
041.60	8	1.06	3.13	0.32	221.00	2	0.0000	1.2233	0.0422
041.XX	33	- 0.09	1.15	0.59	221.30	15	8.3728	27.426	4.1510
048.20	5	0.00	1.06	0.07	221.XX	18	4.5796	16.322	2.4562
048.XX	6	- 0.09	0.98	0.07	241.00	2	0.00	1.22	0.09
050.00	7	- 5.50	3.96	0.49	241.30	11	0.42	1.68	0.11
050.30	6	0.00	1.04	0.13	241.XX	13	0.37	1.65	0.11
050.50	9	2.60	5.30	0.50	251.00	2	0.00	1.19	0.21
050.51	9	- 0.61	2.06	0.16	251.30	4	- 0.13	0.95	0.05
050.60	4	0.00	1.07	0.12	251.XX	6	0.18	1.05	0.12
050.61	10	0.94	3.29	0.60	261.30	10	10.509	23.470	3.530
050.99	15	0.39	1.44	0.42	261.XX	11	10.064	23.204	3.489
050.XX	58	- 0.44	2.53	0.46	289.30	10	0.49	1.81	0.13
060.00	6	0.02	0.94	0.32	289.99	2	0.00	1.22	0.02
060.XX	7	- 0.04	0.96	0.18	289.XX	12	0.28	1.38	0.08
101.00	10	0.00	0.98	0.30	291.00	2	0.00	1.00	0.50

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
291.30	11	0.39	1.27	0.48					
291.XX	14	0.31	1.22	0.47					
301.30	2	0.00	1.22	0.02					
301.99	2	0.00	0.88	0.60					
301.XX	4	0.00	1.08	0.02					
311.99	5	0.00	1.06	0.06					
311.XX	6	0.00	1.05	0.05					
321.00	2	0.000	0.601	0.755					
321.30	21	1.492	5.981	1.998					
321.XX	23	1.397	5.898	1.983					