

- Pass 1 Results for 80 Labs - - Pass 2 Results for 80 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	8	9.73	0.46	0.10	7	9.79	0.45	0.06
Ammoniacal Nitrogen, Other		001.99	12	10.00	0.49	0.12	10	10.10	0.46	0.05
Method Group 001.XX PCT			20	9.89	0.49	0.11	17	9.97	0.48	0.05
Nitrate Nitrogen, Other		002.99	3	0.09	0.09	0.01	3	0.09	0.09	0.01
Nitrogen From Urea, Urease (as N)	959.03	005.00	1	1.00	0.02	0.03	1	1.00	0.02	0.03
Nitrogen From Urea, Other		005.99	1	10.11	0.37	0.53	1	10.11	0.37	0.53
Method Group 005.XX PCT			2	5.55	5.26	0.28	2	5.55	5.26	0.28
Ammon & Nitrate N, Devarda	892.01	009.10	5	10.17	0.32	0.10	5	10.17	0.32	0.10
Ammon & Nitrate N, Other		009.99	1	10.79	0.01	0.01	1	10.79	0.01	0.01
Method Group 009.XX PCT			6	10.27	0.38	0.09	6	10.27	0.38	0.09
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	10.10	0.09	0.04	6	10.10	0.09	0.04
Total Nitrogen, Salicylic	955.04D	010.12	3	10.31	0.32	0.03	3	10.31	0.32	0.03
Total Nitrogen, Combustion		010.60	54	10.25	0.13	0.07	52	10.26	0.13	0.07
Total Nitrogen, Other		010.99	4	10.43	0.22	0.10	4	10.43	0.22	0.10
Method Group 010.XX PCT			67	10.25	0.16	0.07	64	10.25	0.15	0.07
Total Phosphate, Grav Quimociac	962.02	020.10	6	30.65	0.65	0.18	6	30.65	0.65	0.18
Total Phosphate, Spectrometric	958.01	020.20	13	30.11	0.60	0.14	12	30.09	0.62	0.12
Total Phosphate, Automated	978.01	020.40	6	30.24	0.34	0.23	6	30.24	0.34	0.23
Total Phosphate, ICP		020.50	7	30.21	0.67	0.37	7	30.21	0.67	0.37
Total Phosphate, Other		020.99	2	30.08	0.47	0.04	2	30.08	0.47	0.04
Method Group 020.XX PCT			34	30.25	0.60	0.21	32	30.24	0.60	0.16
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.11	0.01	0.01	1	0.11	0.01	0.01
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.38	0.00	0.00	1	0.38	0.00	0.00
Insoluble Phosphate, Automated	978.01	030.40	2	0.14	0.10	0.00	2	0.14	0.10	0.00
Method Group 030.XX PCT			4	0.19	0.13	0.00	4	0.19	0.13	0.00
InDir Available Phosphate, Grav Quim .	960.02	040.10	2	30.27	0.17	0.01	2	30.27	0.17	0.01
InDir Available Phosphate, Spectrometri	960.02	040.20	1	23.24	0.01	0.01	1	23.24	0.01	0.01
InDir Available Phosphate, Automated	960.02	040.40	2	30.08	0.32	0.18	2	30.08	0.32	0.18
Method Group 040.XX PCT			5	28.79	2.93	0.08	5	28.79	2.93	0.08
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	17	30.38	0.33	0.17	16	30.41	0.30	0.13
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	29.36	0.21	0.29	1	29.36	0.21	0.29
Dir Available Phosphate, Automated	978.01	041.40	5	30.27	0.37	0.26	4	30.37	0.14	0.05
Dir Available Phosphate, ICP		041.50	9	29.93	0.27	0.15	9	29.93	0.27	0.15
Dir Available Phosphate, EDTA Extract	993.01	041.60	10	30.09	0.24	0.32	10	30.09	0.24	0.32
Dir Available Phosphate, Other		041.99	1	30.06	0.04	0.05	1	30.06	0.04	0.05
Method Group 041.XX PCT			44	30.19	0.38	0.22	41	30.21	0.36	0.17
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	19.78	0.55	0.06	3	19.78	0.55	0.06
Soluble Potash, STPB Oxalate	958.02	050.00	13	5.72	0.25	0.15	12	5.74	0.24	0.12
Soluble Potash, STPB Citrate	969.04	050.10	4	5.55	0.35	0.19	3	5.45	0.28	0.04

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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 (Oxalate)		050.30	10	5.38	0.33	0.09	9	5.36	0.33	0.06
Soluble Potash, AA (Citrate)		050.31	1	5.12	0.01	0.01	1	5.12	0.01	0.01
Soluble Potash, ICP (Oxalate)		050.50	8	5.59	0.17	0.10	8	5.59	0.17	0.10
Soluble Potash, ICP (Citrate)		050.51	8	5.70	0.23	0.05	8	5.70	0.23	0.05
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	7	5.33	0.17	0.06	7	5.33	0.17	0.06
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	10	5.62	0.21	0.10	9	5.63	0.21	0.06
Soluble Potash, Other		050.99	14	5.67	0.35	0.12	13	5.68	0.34	0.08
Method Group 050.XX PCT			76	5.57	0.31	0.11	69	5.58	0.30	0.07
Free Water, Vacuum Oven	965.08B	060.00	6	2.10	0.55	0.06	5	2.08	0.60	0.02
Free Water, Other		060.99	1	5.43	0.03	0.04	1	5.43	0.03	0.04
Method Group 060.XX PCT			7	2.57	1.31	0.06	6	2.64	1.41	0.02
Acid Soluble Calcium, ICP		101.30	15	3.26	0.19	0.09	14	3.26	0.20	0.08
Method Group 101.XX PCT			15	3.26	0.19	0.09	14	3.26	0.20	0.08
Acid Soluble Magnesium, ICP		121.30	18	0.65	0.05	0.01	17	0.65	0.05	0.01
Sulfur, Gravimetric	980.02a	144.01	22	6.64	0.17	0.10	21	6.64	0.17	0.09
Sulfur, Gravimetric	980.02b	144.02	1	7.15	0.07	0.10	1	7.15	0.07	0.10
Sulfur, Other		144.99	23	6.60	0.40	0.13	22	6.53	0.45	0.08
Method Group 144.XX PCT			46	6.63	0.31	0.11	43	6.65	0.27	0.09
Arsenic, Atomic Absorption		151.00	1	6.90	0.14	0.20	1	6.90	0.14	0.20
Arsenic, ICP		151.30	9	7.29	2.63	1.00	9	7.29	2.63	1.00
Arsenic, Other		151.99	1	6.85	0.03	0.04	1	6.85	0.03	0.04
Method Group 151.XX PPM			11	7.21	2.38	0.84	10	7.03	2.37	0.60
Acid Soluble Boron, Spectrometric	982.01	165.00	1	0.022	0.000	0.000	1	0.022	0.000	0.000
Acid Soluble Boron, Other		165.99	7	0.029	0.013	0.001	6	0.025	0.008	0.001
Method Group 165.XX PCT			8	0.028	0.012	0.001	7	0.024	0.008	0.001
Cadmium, Atomic Absorption		181.00	2	7.22	0.73	0.20	2	7.22	0.73	0.20
Cadmium, ICP		181.30	13	6.22	0.75	0.25	13	6.22	0.75	0.25
Cadmium, Other		181.99	1	6.85	0.02	0.03	1	6.85	0.02	0.03
Method Group 181.XX PPM			16	6.38	0.79	0.23	16	6.38	0.79	0.23
Water Soluble Chlorine, Other		190.99	1	4.31	0.03	0.04	1	4.31	0.03	0.04
Chromium, ICP		191.30	16	76.97	7.72	3.10	16	76.97	7.72	3.10
Chromium, Other		191.99	1	70.80	0.42	0.60	1	70.80	0.42	0.60
Method Group 191.XX PPM			17	76.61	7.62	2.95	17	76.61	7.62	2.95
Acid Soluble Cobalt, ICP	965.11	202.30	13	2.94	0.65	0.22	12	2.92	0.66	0.17
Acid Soluble Cobalt, Other		202.99	1	2.73	0.08	0.11	1	2.73	0.08	0.11
Method Group 202.XX PPM			14	2.93	0.62	0.21	13	2.90	0.63	0.17
Acid Soluble Copper, Atomic Absorption	975.01	221.00	4	0.0056	0.0004	0.0003	4	0.0056	0.0004	0.0003
Acid Soluble Copper, ICP		221.30	18	0.0054	0.0004	0.0002	18	0.0054	0.0004	0.0002
Acid Soluble Copper, Other		221.99	1	0.0048	0.0000	0.0001	1	0.0048	0.0000	0.0001

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Method Group 221.XX PCT			23	0.0054	0.0004	0.0002	23	0.0054	0.0004	0.0002
Acid Soluble Iron, ICP		241.30	18	1.38	0.10	0.05	17	1.38	0.10	0.04
Lead, Atomic Absorption		251.00	1	17.50	0.71	1.00	1	17.50	0.71	1.00
Lead, ICP		251.30	10	9.70	4.78	0.40	9	10.11	4.86	0.19
Lead, Other		251.99	1	9.13	0.44	0.62	1	9.13	0.44	0.62
Method Group 251.XX PPM			13	11.66	6.72	0.44	12	12.14	6.78	0.29
Acid Soluble Manganese, ICP	972.02a	261.30	14	0.081	0.005	0.002	13	0.081	0.005	0.001
Acid Soluble Manganese, Other		261.99	1	0.077	0.001	0.001	1	0.077	0.001	0.001
Method Group 261.XX PCT			15	0.081	0.005	0.002	14	0.081	0.004	0.001
Mercury, Other		281.99	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Molybdenum, ICP		289.30	14	8.98	1.29	0.47	14	8.98	1.29	0.47
Molybdenum, Other		289.99	1	9.31	0.01	0.01	1	9.31	0.01	0.01
Method Group 289.XX PPM			15	9.00	1.24	0.44	15	9.00	1.24	0.44
Nickel, Atomic Absorption		291.00	1	18.50	0.71	1.00	1	18.50	0.71	1.00
Nickel, ICP		291.30	11	13.15	1.81	0.58	11	13.15	1.81	0.58
Nickel, Other		291.99	1	13.85	0.07	0.10	1	13.85	0.07	0.10
Method Group 291.XX PPM			13	13.61	2.21	0.58	13	13.61	2.21	0.58
Selenium, ICP		301.30	3	0.17	0.41	0.33	3	0.17	0.41	0.33
Selenium, Other		301.99	1	0.52	0.03	0.04	1	0.52	0.03	0.04
Method Group 301.XX PPM			4	0.26	0.38	0.26	3	0.17	0.27	0.01
Sodium, Other		311.99	5	0.31	0.03	0.01	5	0.31	0.03	0.01
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	13	2.181	0.083	0.048	13	2.181	0.083	0.048
Acid Soluble Zinc, ICP		321.30	35	2.200	0.178	0.047	34	2.194	0.176	0.040
Method Group 321.XX PCT			49	2.202	0.165	0.047	48	2.198	0.163	0.042

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT											
Ammoniacal Nitrogen											
MgO Distillation											
444	10.27	1.06	457	10.10	.26	258	10.52	1.08	455	10.73	1.29
416	10.15	.79	096	10.06	.20	200	10.33	.51	Avg	10.31	
405	10.10	.70	117	10.05	.15	444	10.22	.38	254	10.12	-.58
117	10.05	.57	Avg	9.97		Avg	10.17		185	10.08	-.71
Avg	9.79		029	9.64	-.73	090	10.17	-.09			
029	9.64	-.39	420	9.63	-.73	420	9.63	-1.71			
309	9.30 R	-1.18	368	9.57 R	-.94	Meth: 010.60 PCT					
456	9.20	-1.33	234	9.43 R	-1.26	Total Nitrogen					
232	9.15	-1.43	309	9.30 R	-1.48	Salicylic					
Meth: 001.99 PCT											
Ammoniacal Nitrogen											
Other											
372	10.75	1.40	456	9.20	-1.64	405	14.85 s	36.61	034	10.20	-.53
393	10.57	1.00	232	9.15	-1.73	043	10.62 s	3.16	409	10.21	-.56
300	10.32	.47	027	9.06	-1.92	393	10.79	-.71	027	10.19	-.60
371	10.23	.27	Meth: 009.99 PCT								
105	10.21	.26	Ammon & Nitrate N								
409	10.12	.06	Other								
Avg	10.10		393 10.79 -.71								
457	10.10	-.08	Meth: 009.XX PCT								
096	10.06	-.13	Ammon & Nitrate N								
420	9.63	-1.03	393	10.79	1.36	258	10.52	.65	073	10.40	1.08
368	9.57 R	-1.22	Nitrate Nitrogen								
234	9.43 R	-1.55	Other								
027	9.06	-2.25	393	0.21	1.29	200	10.33	.18	369	10.36	1.03
Meth: 005.00 PCT											
Nitrogen From Urea											
Urease (as N)											
232	1.00	.71	Avg	0.09		Avg	10.27		035	10.37	.99
Meth: 005.99 PCT											
Nitrogen From Urea											
Other											
372	10.75	1.63	027	0.04	-.56	090	10.17	-.29	055	10.38	.96
393	10.57	1.24	232	0.03	-.73	444	10.22	-.34	131	10.38	.92
300	10.32	.72	Meth: 010.11 PCT								
444	10.27	.61	Total Nitrogen								
371	10.23	.53	Modified Comprehensive								
105	10.21	.51	105	10.20	1.25	114	10.16	.76	231	10.34	.62
416	10.15	.36	114	10.11	-.71	456	10.12	.65	157	10.28	.61
409	10.12	.30	Meth: 005.XX PCT								
409	10.12	.30	Nitrogen From Urea								
Other											
372	10.75	1.63	444	10.11	-.71	309	10.10	.06	057	10.27	.36
393	10.57	1.24	Meth: 010.12 PCT								
300	10.32	.72	Total Nitrogen								
444	10.27	.61	Salicylic								
371	10.23	.53	029	10.03	-.77	041	10.28	.31	444	10.01	-2.03
105	10.21	.51	073	9.97	-1.53	372	10.28	.24	360	9.93 A	-2.82
416	10.15	.36	322	9.68 S	-4.85	389	10.28	.18	351	9.73 s	-4.26
409	10.12	.30	Meth: 010.99 PCT								
Total Nitrogen											
Other											
117	10.64	.97	023	10.27	.18	023	10.27	.18	117	10.64	.97
072	10.62	.86	292	10.28	.16	292	10.28	.16	072	10.62	.86
Avg	10.43		Avg	10.26		Avg	10.26		Avg	10.43	
420	10.29	-.64	040	10.24	-.17	040	10.24	-.17	420	10.29	-.64

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index			
Meth: 010.99 PCT																	
Total Nitrogen																	
Other			291	10.24	-0.09	Meth: 010.XX PCT									Total Phosphate		
105	10.18	-1.19	402	10.24	-0.11	Total Nitrogen									371	30.83	.98
Meth: 010.XX PCT																	
Total Nitrogen																	
405	14.85 s	31.58	029	10.24	-0.22	Meth: 020.40 PCT									Total Phosphate		
455	10.73 A	3.27	452	10.22	-0.23	Total Phosphate									035	30.82	.96
Total Nitrogen																	
043	10.62 s	2.78	247	10.23	-0.24	Grav. Quimociac									258	30.79	.91
117	10.64	2.69	390	10.25	-0.24	041 31.84 1.83									368	30.49 R	.73
072	10.62	2.53	177	10.23	-0.25	114 30.91 .40									406	30.56	.53
428	10.55	2.09	096	10.20	-0.35	Avg 30.65									416	30.55	.50
330	10.55	2.09	105	10.20	-0.37	090 30.52 -0.19									090	30.52	.46
457	10.48	1.60	034	10.20	-0.40	117 30.40 -0.39									450	30.34	.43
102	10.43	1.25	232	10.23	-0.41	105 30.36 -0.45									452	30.49	.41
007	10.40	1.03	409	10.21	-0.43	444 29.86 -1.27									096	30.40	.30
073	10.40	1.00	027	10.19	-0.44	Meth: 020.20 PCT									117	30.40	.29
369	10.36	.94	255	10.17 X	-0.56	Total Phosphate									105	30.36	.22
035	10.37	.91	233	10.17	-0.59	Spectrometric									231	30.30	.19
055	10.38	.90	028	10.21	-0.61	457 34.09 s 6.49									292	30.29	.02
131	10.38	.86	114	10.16	-0.67	371 30.83 1.21									Avg	30.24	
450	10.35	.77	443	10.15	-0.77	258 30.79 1.14									393	30.19	-0.09
393	10.36	.76	325	10.20	-0.77	406 30.56 .76									247	29.70	-0.77
296	10.35	.73	262	10.20	-0.77	416 30.55 .74									426	30.15	-0.84
049	10.35	.66	105	10.18	-0.78	450 30.34 R .56									389	29.35	-1.29
025	10.34	.64	377	10.14	-0.78	231 30.30 .38									157	28.75 S	-2.61
231	10.34	.60	254	10.12	-0.89	292 30.29 .33									390	27.95 S	-3.67
157	10.28	.54	456	10.12	-0.95	200 30.17 .14									255	26.57 S	-5.45
095	10.30	.40	309	10.10	-1.03	Avg 30.09									Meth: 020.99 PCT		
106	10.30	.35	406	10.10	-1.04	232 29.96 -0.27									Total Phosphate		
057	10.27	.33	354	10.15 R	-1.07	234 29.72 -0.63									Other		
041	10.28	.30	072	10.12	-1.08	309 29.70 -0.63									443 40.87 S 22.92		
420	10.29	.25	368	10.09	-1.09	369 29.62 -0.78									452 30.49 .86		
372	10.28	.25	185	10.08	-1.17	262 28.60 -2.42									Avg 30.08		
389	10.28	.22	426	10.08	-1.24	372 23.62 s -10.51									455 29.67 -0.87		
292	10.28	.21	029	10.03	-1.51	324 13.05 s -27.66									Meth: 020.XX PCT		
023	10.27	.20	234	10.02	-1.63	Meth: 020.40 PCT									Total Phosphate		
Avg	10.25		444	10.01	-1.68	Total Phosphate									443 40.87 s 17.71		
040	10.24	-0.09	073	9.97	-1.96	Automated									457 34.09 s 6.39		
			360	9.93 R	-2.37	035 30.82 1.73									041 31.84 2.65		
			351	9.73 s	-3.60										330 31.35 1.89		
															114 30.91 1.10		

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index					
Meth: 030.10 PCT																
Insoluble Phosphate																
Grav Quimociac	090	0.11	-0.71									Meth: 041.60 PCT				
Meth: 030.20 PCT																
Insoluble Phosphate																
Spectrometric	372	0.38	.00									Dir Available Phosph				
Meth: 030.40 PCT																
Insoluble Phosphate																
Automated	409	0.22	.87									EDTA Extract				
Avg	0.14											351	29.98	-0.58		
096	0.06	-0.87										296	30.08	-1.10		
Meth: 041.50 PCT																
Dir Available Phosph																
Grav Quimociac	009	30.88	1.56									ICP	072	32.32	s	5.81
372	0.38	1.42										325	30.85	2.00		
409	0.22	.22										291	30.42	1.79		
Meth: 040.10 PCT																
InDir Available Phos																
Grav Quim	090	0.11	-0.64									007	30.29	1.39		
096	0.06	-1.01										377	29.95	.27		
Meth: 041.60 PCT																
Dir Available Phosph																
090	0.11	-0.64										Avg	29.93			
096	0.06	-1.01										360	29.86	-0.32		
Meth: 040.20 PCT																
InDir Available Phos																
Grav Quim	090	0.11	-0.64									354	29.84	-0.33		
090	0.11	-0.64										452	29.87	-0.37		
096	0.06	-1.01										023	29.84	-0.41		
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	009	30.88	1.56									393	29.68	-0.92		
372	0.38	1.42										009	29.62	-1.39		
409	0.22	.22										Meth: 041.60 PCT				
Meth: 040.20 PCT																
InDir Available Phos																
Spectrometri	102	30.04	-1.26									Dir Available Phosph				
372	23.24	.71										EDTA Extract				
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	090	0.11	-0.64									043	30.36	.51		
090	0.11	-0.64										025	30.40	.51		
096	0.06	-1.01										185	30.39	.50		
Meth: 040.10 PCT																
InDir Available Phos																
Grav Quim	090	0.11	-0.64									136	30.37	.43		
090	0.11	-0.64										007	30.29	.42		
096	0.06	-1.01										073	30.27	.34		
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	090	0.11	-0.64									Avg	30.21			
090	0.11	-0.64										040	30.19	-0.14		
096	0.06	-1.01										027	30.17	-0.16		
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	090	0.11	-0.64									028	30.00	-1.00		
090	0.11	-0.64										231	29.90	-1.01		
096	0.06	-1.01										354	29.84	-1.02		
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	090	0.11	-0.64									023	29.84	-1.04		
090	0.11	-0.64										105	29.94	R		
096	0.06	-1.01										049	29.98	R		
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	090	0.11	-0.64									393	29.68	-1.46		
090	0.11	-0.64										009	29.62	-1.73		
096	0.06	-1.01										095	29.84	R		
Meth: 048.20 PCT																
Water Soluble Phosph																
Grav Quimociac	090	0.11	-0.64									Spectrometric				
090	0.11	-0.64										393	20.34	1.03		
096	0.06	-1.01										096	19.86	.21		
Meth: 041.20 PCT																
Dir Available Phosph																
Grav Quimociac	090	0.11	-0.64									Avg	19.78			
090	0.11	-0.64										372	19.13	-1.18		
096	0.06	-1.01														

* 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: 050.00 PCT														
Soluble Potash														
STPB Oxalate														
405	30.03 s	100.20										043	5.73	.54
090	6.33	2.43										009	5.74	.53
114	5.92	.82										324	5.70	.44
049	5.82	.32										232	5.70	.41
131	5.79	.30										292	5.69	.35
416	5.81	.29										262	5.67	.30
055	5.77	.11										247	5.67	.30
Avg	5.74											105	5.65	.25
043	5.73	-.31										029	5.61	.19
029	5.61	-.57										377	5.59	.10
258	5.58	-.76										105	5.59	.08
231	5.51	-.97										095	5.59	.05
057	5.50	-1.01										Avg	5.58	
009	5.53	-1.31										057	5.57	-.17
072	5.53 R	-1.34										354	5.53	-.24
102	4.73 s	-4.21										390	5.52	-.25
Meth: 050.10 PCT														
Soluble Potash														
STPB Citrate														
444	5.86 R	1.82										351	5.51	-.26
300	5.76	1.11										402	5.50	-.28
372	5.45	.18										420	5.50	-.28
Avg	5.45											258	5.58	-.29
322	5.13	-1.12										231	5.51	-.30
Meth: 050.30 PCT														
Soluble Potash														
AA (Oxalate)														
023	5.90	.89										057	5.50	-.32
007	5.89	.83										136	5.48	-.36
291	5.88	.80										106	5.45	-.46
389	5.88	.78										372	5.45	-.47
009	5.74	.18										452	5.43	-.51
Avg	5.70											443	5.43	-.52
377	5.59	-.50										025	5.43	-.53
452	5.43	-1.20										029	5.41	-.59
393	5.31	-1.75										450	5.57 R	-.72
Meth: 050.51 PCT														
Soluble Potash														
ICP (Citrate)														
073	5.91	1.68										086	5.38	-.74
262	5.67	.92										369	5.36	-.75
450	5.57 R	.88										426	5.42	-.76
351	5.51	.43										105	5.55 R	-.76
136	5.48	.36										009	5.53 R	-.81
Avg	5.36											428	5.34	-.82
369	5.36	-.06										131	5.34	-.83
428	5.34	-.11										072	5.53 R	-.86
Meth: 050.60 PCT														
Soluble Potash														
Flame (Oxalate)														
105	5.65	1.90										043	5.73	.54
443	5.43	.58										009	5.74	.53
086	5.38	.54										324	5.70	.44
Avg	5.33											232	5.70	.41
055	5.29	-.30										292	5.69	.35
200	5.23	-.62										262	5.67	.30
406	5.22	-.71										247	5.67	.30
309	5.15	-1.13										105	5.65	.25
Meth: 050.61 PCT														
Soluble Potash														
Flame (Citrate)														
034	5.92	1.39										029	5.61	.19
028	5.88	1.24										377	5.59	.10
035	5.76	.69										105	5.59	.08
456	5.75	.64										095	5.59	.05
Avg	5.63											Avg	5.58	
095	5.59	-.21										057	5.57	-.17
057	5.57	-.36										354	5.53	-.24
025	5.43	-.96										390	5.52	-.25
029	5.41	-1.04										351	5.51	-.26
105	5.55 R	-1.15										402	5.50	-.28
131	5.34	-1.39										420	5.50	-.28
041	2.65 s	-14.27										258	5.58	-.29
Meth: 050.99 PCT														
Soluble Potash														
Other														
291	5.88	1.00										231	5.51	-.30
389	5.88	.98										057	5.50	-.32
049	5.82	.78										136	5.48	-.36
368	5.81	.78										106	5.45	-.46
416	5.81	.76										372	5.45	-.47
131	5.79	.70										452	5.43	-.51
325	5.77	.64										443	5.43	-.52
177	5.77	.62										025	5.43	-.53
368	5.81	.39										029	5.41	-.59
325	5.77	.62										450	5.57 R	-.72
325	5.77	.62										086	5.38	-.74
368	5.81	.39										369	5.36	-.75
325	5.77	.62										426	5.42	-.76
325	5.77	.62										105	5.55 R	-.76
177	5.77	.62										009	5.53 R	-.81
360	5.75	.23										428	5.34	-.82
232	5.70	.10										131	5.34	-.83
Avg	5.68											072	5.53 R	-.86
Meth: 050.99 PCT														
Soluble Potash														
Other														
330	6.35	1.99										043	5.73	.54
027	5.94	.75										009	5.74	.53
072	5.89	.62										324	5.70	.44
368	5.81	.78										232	5.70	.41
330	6.35	1.99										292	5.69	.35
027	5.94	.75										262	5.67	.30
072	5.89	.62										247	5.67	.30
368	5.81	.39										105	5.65	.25
325	5.77	.62										029	5.61	.19
368	5.81	.39										377	5.59	.10
325	5.77	.62										105	5.59	.08
325	5.77	.62										095	5.59	.05
177	5.77	.62										Avg	5.58	
360	5.75	.23										057	5.57	-.17
232	5.70	.10										354	5.53	-.24
Avg	5.68											390	5.52	-.25
Meth: 050.99 PCT														
Soluble Potash														
Other														
330	6.35	1.99										351	5.51	-.26
027	5.94	.75										402	5.50	-.28
072	5.89	.62										420	5.50	-.28
368	5.81	.78										258	5.58	-.29
330	6.35	1.99										231	5.51	-.30
027	5.94	.75										057	5.50	-.32
072	5.89	.62										136	5.48	-.36
368	5.81	.39										106	5.45	-.46
325	5.77	.62										372	5.45	-.47
325	5.77	.62										452	5.43	-.51
177	5.77	.62										443	5.43	-.52
360	5.75	.23										025	5.43	-.53
232	5.70	.10										029	5.41	-.59
Avg	5.68											450	5.57 R	-.72

* 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: 144.XX PCT											
<u>Sulfur</u>											
055	6.81	.90	390	5.90	-2.82	Meth: 151.XX PPM					
043	6.87	.84	035	5.62 A	-3.88	<u>Arsenic</u>					
029	6.85	.75	255	5.44 s	-4.51	136	6.90	-0.07	Meth: 181.00 PPM		
262	6.83	.67	Meth: 151.00 PPM			<u>Atomic Absorption</u>			Cadmium		
324	6.82	.63	057	6.77	.43	136	6.90	-.71	Meth: 190.99 PCT		
405	6.74	.43	102	6.65	.36	Acid Soluble Boron					
057	6.77	.43	177	6.71	.31	<u>Spectrometric</u>					
102	6.65	.36	028	6.73	.28	393	0.022 X	-.71	Meth: 191.30 PPM		
177	6.71	.31	095	6.69	.24	Meth: 181.99 PPM					
028	6.73	.28	296	6.69	.24	<u>ICP</u>					
095	6.69	.24	136	6.71	.20	405	7.00	1.04	Chromium		
296	6.69	.24	372	6.71	.20	368	6.95	.98	ICP		
136	6.71	.20	372	6.71	.20	232	6.85	.87	035 85.05 1.16		
372	6.71	.20	105	6.66	.17	065	6.72	.77	405 85.50 1.11		
105	6.66	.17	389	6.65	.06	102	6.68	.62	450 84.00 .95		
389	6.65	.06	Avg	6.65	-.22	037	6.26	.18	368 83.55 .85		
Avg	6.65	-.22	452	6.60	-.24	Avg	6.22	.17	452 83.42 .85		
452	6.60	-.24	037	6.61	-.24	035	6.09	-.17	037 81.00 .54		
037	6.61	-.24	393	6.59	-.28	433	0.024	-.06	247 81.00 .54		
393	6.59	-.28	393	6.47	-.31	232	0.021	-.45	390 78.30 .53		
231	6.56	-.38	009	6.35	-.55	409	0.020	-.51	065 78.05 .21		
360	6.55	-.40	405	4.50	-1.07	106	0.020	-.55	009 77.80 .14		
040	6.65	-.41	102	3.50	-1.46	389	0.020	-.55	Avg 76.97		
368	6.54	-.42	Meth: 151.99 PPM			Meth: 181.99 PPM					
117	6.53	-.46	<u>Arsenic</u>			Cadmium					
114	6.55	-.46	444	0.054 R	3.49	Other					
457	6.53	-.47	009	0.042	2.11	009 4.31 -.71					
371	6.49	-.62	Avg	7.29	.23	Meth: 191.30 PPM					
351	6.59	-.65	450	7.00	-.11	Chromium					
200	6.44	-.79	393	6.47	-.31	ICP					
073	6.50	-.82	009	6.35	-.55	035 85.05 1.16					
444	6.37	-1.07	405	4.50	-1.07	405 85.50 1.11					
354	6.39	-1.09	102	3.50	-1.46	450 84.00 .95					
027	6.35	-1.13	Meth: 151.99 PPM			368 83.55 .85					
457	6.29	-1.36	<u>Arsenic</u>			452 83.42 .85					
023	6.27	-1.43	368	23.90 s	7.12	037 78.41 .59					
009	6.55 R	-1.47	372	12.30	2.22	247 81.00 .54					
450	6.25	-1.50	065	8.99 R	1.06	390 78.30 .53					
			247	8.85	.77	065 78.05 .21					
			037	7.63	.33	009 77.80 .14					
			Avg	7.03	-.01	Avg 76.97					
			450	7.00	-.01	102 75.69 -.18					
						102 75.69 -.18					
						393 72.37 -.60					
						232 72.35 -.64					
						096 70.50 -.90					
						027 68.87 -1.06					
						372 56.75 -2.62					
						102 6.68 .38					

* 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: 251.30 PPM												
Lead			Meth: 261.30 PCT									
ICP			Acid Soluble Manganese									
102	7.76	- .49	057	0.081	- .15	027	0.028 s	-11.75	Meth: 289.99 PPM			
009	7.05	- .63	106	0.080	- .26	Meth: 281.99 PPM			Meth: 289.99 PPM			
372	6.40	- .76	035	0.081	- .28	Mercury			Meth: 291.99 PPM			
065	5.97 R	- .88	009	0.080	- .29	Other			Meth: 301.30 PPM			
Meth: 251.99 PPM												
Lead			232	0.079	- .45	009	0.04	.71	Meth: 301.99 PPM			
ICP			065	0.080	- .45	Meth: 289.30 PPM			Meth: 301.99 PPM			
102	7.76	- .49	096	0.077	- .98	Molybdenum			Meth: 301.99 PPM			
009	7.05	- .63	393	0.072	- 1.94	ICP			Meth: 301.99 PPM			
372	6.40	- .76	372	0.060 s	- 5.19	452 17.96 s 6.99			Meth: 301.99 PPM			
065	5.97 R	- .88	444	0.060 s	- 5.91	035 11.10 1.66			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			027	0.028 s	- 11.80	065 10.53 1.23			Meth: 301.99 PPM			
ICP			Meth: 261.99 PCT									
102	7.76	- .49	Acid Soluble Manganese									
009	7.05	- .63	409	0.077	.71	037 9.64 .61			Meth: 301.99 PPM			
372	6.40	- .76	Other									
065	5.97 R	- .88	409	0.077	.71	450 9.50 .56			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			Meth: 261.99 PCT									
ICP			Acid Soluble Manganese									
102	7.76	- .49	041	0.091	2.15	368 8.65 - .26			Meth: 301.99 PPM			
009	7.05	- .63	389	0.088	1.65	433 8.50 - .38			Meth: 301.99 PPM			
372	6.40	- .76	102	0.085 R	1.45	057 8.90 - .47			Meth: 301.99 PPM			
065	5.97 R	- .88	131	0.083	.49	296 7.95 - .81			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			247	0.083	.44	102 7.89 - .87			Meth: 301.99 PPM			
ICP			433	0.081	.10	009 7.85 - .88			Meth: 301.99 PPM			
102	7.76	- .49	Avg	0.081		372 6.20 - 2.17			Meth: 301.99 PPM			
009	7.05	- .63	057	0.081	- .10	Meth: 289.99 PPM			Meth: 301.99 PPM			
372	6.40	- .76	106	0.080	- .19	Molybdenum			Meth: 301.99 PPM			
065	5.97 R	- .88	009	0.080	- .22	Other			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			035	0.081	- .27	409 9.31 .71			Meth: 301.99 PPM			
ICP			232	0.079	- .39	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	065	0.080	- .41	Molybdenum			Meth: 301.99 PPM			
009	7.05	- .63	096	0.077	- .91	452 17.96 s 7.21			Meth: 301.99 PPM			
372	6.40	- .76	409	0.077	- .94	035 11.10 1.69			Meth: 301.99 PPM			
065	5.97 R	- .88	393	0.072	- 1.87	065 10.53 1.26			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			372	0.060 s	- 5.14	393 10.21 X .98			Meth: 301.99 PPM			
ICP			444	0.060 s	- 5.86	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	Meth: 261.99 PCT									
009	7.05	- .63	Acid Soluble Manganese									
372	6.40	- .76	041	0.091	2.15	368 8.65 - .26			Meth: 301.99 PPM			
065	5.97 R	- .88	389	0.088	1.65	433 8.50 - .38			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			102	0.085 R	1.45	057 8.90 - .47			Meth: 301.99 PPM			
ICP			131	0.083	.49	296 7.95 - .81			Meth: 301.99 PPM			
102	7.76	- .49	247	0.083	.44	102 7.89 - .87			Meth: 301.99 PPM			
009	7.05	- .63	433	0.081	.10	009 7.85 - .88			Meth: 301.99 PPM			
372	6.40	- .76	Avg	0.081		372 6.20 - 2.17			Meth: 301.99 PPM			
065	5.97 R	- .88	057	0.081	- .10	Meth: 289.99 PPM			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			106	0.080	- .19	Molybdenum			Meth: 301.99 PPM			
ICP			009	0.080	- .22	Other			Meth: 301.99 PPM			
102	7.76	- .49	035	0.081	- .27	409 9.31 .71			Meth: 301.99 PPM			
009	7.05	- .63	232	0.079	- .39	Meth: 289.99 PPM			Meth: 301.99 PPM			
372	6.40	- .76	065	0.080	- .41	Molybdenum			Meth: 301.99 PPM			
065	5.97 R	- .88	096	0.077	- .91	452 17.96 s 7.21			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			409	0.077	- .94	035 11.10 1.69			Meth: 301.99 PPM			
ICP			393	0.072	- 1.87	065 10.53 1.26			Meth: 301.99 PPM			
102	7.76	- .49	372	0.060 s	- 5.14	393 10.21 X .98			Meth: 301.99 PPM			
009	7.05	- .63	444	0.060 s	- 5.86	Meth: 289.99 PPM			Meth: 301.99 PPM			
372	6.40	- .76	Meth: 261.99 PCT									
065	5.97 R	- .88	Acid Soluble Manganese									
Meth: 251.99 PPM												
Lead			Meth: 261.99 PCT									
ICP			Acid Soluble Manganese									
102	7.76	- .49	041	0.091	2.15	368 8.65 - .26			Meth: 301.99 PPM			
009	7.05	- .63	389	0.088	1.65	433 8.50 - .38			Meth: 301.99 PPM			
372	6.40	- .76	102	0.085 R	1.45	057 8.90 - .47			Meth: 301.99 PPM			
065	5.97 R	- .88	131	0.083	.49	296 7.95 - .81			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			247	0.083	.44	102 7.89 - .87			Meth: 301.99 PPM			
ICP			433	0.081	.10	009 7.85 - .88			Meth: 301.99 PPM			
102	7.76	- .49	Avg	0.081		372 6.20 - 2.17			Meth: 301.99 PPM			
009	7.05	- .63	057	0.081	- .10	Meth: 289.99 PPM			Meth: 301.99 PPM			
372	6.40	- .76	106	0.080	- .19	Molybdenum			Meth: 301.99 PPM			
065	5.97 R	- .88	009	0.080	- .22	Other			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			035	0.081	- .27	409 9.31 .71			Meth: 301.99 PPM			
ICP			232	0.079	- .39	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	065	0.080	- .41	Molybdenum			Meth: 301.99 PPM			
009	7.05	- .63	096	0.077	- .91	452 17.96 s 7.21			Meth: 301.99 PPM			
372	6.40	- .76	409	0.077	- .94	035 11.10 1.69			Meth: 301.99 PPM			
065	5.97 R	- .88	393	0.072	- 1.87	065 10.53 1.26			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			372	0.060 s	- 5.14	393 10.21 X .98			Meth: 301.99 PPM			
ICP			444	0.060 s	- 5.86	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	Meth: 261.99 PCT									
009	7.05	- .63	Acid Soluble Manganese									
372	6.40	- .76	Meth: 261.99 PCT									
065	5.97 R	- .88	Acid Soluble Manganese									
Meth: 251.99 PPM												
Lead			Meth: 261.99 PCT									
ICP			Acid Soluble Manganese									
102	7.76	- .49	041	0.091	2.15	368 8.65 - .26			Meth: 301.99 PPM			
009	7.05	- .63	389	0.088	1.65	433 8.50 - .38			Meth: 301.99 PPM			
372	6.40	- .76	102	0.085 R	1.45	057 8.90 - .47			Meth: 301.99 PPM			
065	5.97 R	- .88	131	0.083	.49	296 7.95 - .81			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			247	0.083	.44	102 7.89 - .87			Meth: 301.99 PPM			
ICP			433	0.081	.10	009 7.85 - .88			Meth: 301.99 PPM			
102	7.76	- .49	Avg	0.081		372 6.20 - 2.17			Meth: 301.99 PPM			
009	7.05	- .63	057	0.081	- .10	Meth: 289.99 PPM			Meth: 301.99 PPM			
372	6.40	- .76	106	0.080	- .19	Molybdenum			Meth: 301.99 PPM			
065	5.97 R	- .88	009	0.080	- .22	Other			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			035	0.081	- .27	409 9.31 .71			Meth: 301.99 PPM			
ICP			232	0.079	- .39	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	065	0.080	- .41	Molybdenum			Meth: 301.99 PPM			
009	7.05	- .63	096	0.077	- .91	452 17.96 s 7.21			Meth: 301.99 PPM			
372	6.40	- .76	409	0.077	- .94	035 11.10 1.69			Meth: 301.99 PPM			
065	5.97 R	- .88	393	0.072	- 1.87	065 10.53 1.26			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			372	0.060 s	- 5.14	393 10.21 X .98			Meth: 301.99 PPM			
ICP			444	0.060 s	- 5.86	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	Meth: 261.99 PCT									
009	7.05	- .63	Acid Soluble Manganese									
372	6.40	- .76	Meth: 261.99 PCT									
065	5.97 R	- .88	Acid Soluble Manganese									
Meth: 251.99 PPM												
Lead			Meth: 261.99 PCT									
ICP			Acid Soluble Manganese									
102	7.76	- .49	041	0.091	2.15	368 8.65 - .26			Meth: 301.99 PPM			
009	7.05	- .63	389	0.088	1.65	433 8.50 - .38			Meth: 301.99 PPM			
372	6.40	- .76	102	0.085 R	1.45	057 8.90 - .47			Meth: 301.99 PPM			
065	5.97 R	- .88	131	0.083	.49	296 7.95 - .81			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			247	0.083	.44	102 7.89 - .87			Meth: 301.99 PPM			
ICP			433	0.081	.10	009 7.85 - .88			Meth: 301.99 PPM			
102	7.76	- .49	Avg	0.081		372 6.20 - 2.17			Meth: 301.99 PPM			
009	7.05	- .63	057	0.081	- .10	Meth: 289.99 PPM			Meth: 301.99 PPM			
372	6.40	- .76	106	0.080	- .19	Molybdenum			Meth: 301.99 PPM			
065	5.97 R	- .88	009	0.080	- .22	Other			Meth: 301.99 PPM			
Meth: 251.99 PPM												
Lead			035	0.081	- .27	409 9.31 .71			Meth: 301.99 PPM			
ICP			232	0.079	- .39	Meth: 289.99 PPM			Meth: 301.99 PPM			
102	7.76	- .49	065	0.080	- .41	Molybdenum			Meth: 301.99 PPM			
009	7.05	- .63	096	0.077	- .91	452 17.96 s 7.21			Meth: 301.99 PPM			
372	6.40	- .76	409	0.077	- .94	035 11.10 1.69			Meth: 301.99 PPM			
065	5.97 R	- .88	393	0.072	- 1.87	065 10.53 1.26			Meth: 301.99 P			

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 301.XX PPM											
<u>Selenium</u>											
368	7.50 s	27.06									
450	0.50 R	2.20									
296	0.52	1.29									
Avg	0.17										
372	0.00	-.64									
393	0.00 X	-.64									
Meth: 311.99 PCT											
<u>Sodium</u>											
247	0.35	1.13									
232	0.32	.40									
009	0.32	.29									
102	0.32	.18									
Avg	0.31										
035	0.27	-1.72									
Meth: 321.00 PCT											
<u>Acid Soluble Zinc</u>											
200	2.565 s	4.66									
457	2.290	1.41									
028	2.280	1.23									
029	2.245	1.02									
177	2.248	.85									
055	2.215	.78									
258	2.210	.43									
351	2.192	.16									
Avg	2.181										
040	2.158	-.35									
371	2.155	-.36									
296	2.140	-.51									
043	2.112	-.84									
428	2.069	-1.35									
262	2.035	-1.84									
Meth: 321.30 PCT											
<u>Acid Soluble Zinc</u>											
ICP			ICP			ICP			ICP		
377	7.700 s	31.25	065	1.228 s	-5.49	131	2.184	-.11	040	2.158	-.27
292	2.585	2.22	372	0.840 s	-7.69	040	2.158	-.27	371	2.155	-.28
106	2.555	2.06									
102	2.500	1.74									
057	2.396 R	1.39									
389	2.410	1.23									
330	2.400	1.17									
117	2.290	.55									
452	2.285	.51									
360	2.270	.43									
009	2.205	.43									
393	2.270	.43									
300	2.270	.43									
324	2.260	.39									
231	2.240	.38									
037	2.230	.35									
354	2.240	.26									
023	2.202	.22									
433	2.216	.13									
035	2.210	.11									
450	2.205	.10									
Avg	2.194										
291	2.185	-.06									
247	2.190	-.06									
131	2.184	-.09									
409	2.150	-.26									
402	2.140	-.33									
368	2.123	-.41									
095	2.131	-.43									
444	2.095	-.67									
255	2.024 X	-.97									
390	2.010	-1.10									
027	1.946	-1.41									
041	1.925	-1.53									
426	1.902	-1.67									
114	1.900	-1.67									
232	1.864	-1.88									
Meth: 321.XX PCT											
<u>Acid Soluble Zinc</u>											
131	2.184	-.11	065	1.228 s	-5.49	131	2.184	-.11	040	2.158	-.27
040	2.158	-.27	372	0.840 s	-7.69	040	2.158	-.27	371	2.155	-.28
371	2.155	-.28									
409	2.150	-.30									
296	2.140	-.36									
402	2.140	-.38									
368	2.123	-.46									
095	2.131	-.48									
043	2.112	-.53									
444	2.095	-.75									
428	2.069	-.79									
262	2.035	-1.04									
255	2.024 X	-1.07									
390	2.010	-1.21									
027	1.946	-1.55									
041	1.925	-1.68									
426	1.902	-1.82									
114	1.900	-1.83									
232	1.864	-2.06									
065	1.228 s	-5.95									
372	0.840 s	-8.32									

* 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	8	- 0.14	1.03	0.18	050.99	16	- 0.53	1.63	0.27
001.99	12	- 0.22	1.06	0.21	050.XX	71	0.84	9.91	0.31
001.XX	20	- 0.17	1.02	0.19	060.00	6	0.02	0.95	0.10
002.99	3	0.00	1.11	0.10	060.XX	7	- 0.05	0.97	0.04
002.XX	3	0.00	1.11	0.10	101.30	17	0.21	1.76	0.51
005.XX	2	0.00	1.22	0.04	101.XX	18	- 0.06	2.06	0.49
009.10	5	0.00	1.04	0.19	121.30	19	- 0.32	1.63	0.18
009.XX	6	0.00	1.04	0.15	121.XX	19	- 0.32	1.63	0.18
010.11	7	- 0.69	2.05	0.27	144.01	22	0.05	0.95	0.41
010.12	3	0.00	1.12	0.05	144.99	25	0.43	2.14	0.26
010.60	57	0.56	5.00	0.42	144.XX	47	0.20	2.64	0.37
010.99	4	0.00	1.04	0.26	151.30	10	0.63	2.20	0.26
010.XX	67	0.42	4.05	0.45	151.XX	12	0.66	2.24	0.26
020.10	6	0.00	1.03	0.19	165.99	7	0.497	1.625	0.136
020.20	16	- 1.95	7.61	0.14	165.XX	8	0.475	1.652	0.138
020.40	6	0.00	0.96	0.38	181.00	2	0.00	1.21	0.13
020.50	10	- 1.10	2.09	0.72	181.30	14	- 0.27	1.38	0.23
020.99	3	7.61	13.20	1.25	181.XX	17	- 0.22	1.32	0.20
020.XX	40	- 0.69	5.89	0.50	191.30	16	0.00	0.98	0.27
030.40	2	0.00	1.22	0.04	191.XX	17	0.00	0.98	0.26
030.XX	4	0.00	1.08	0.03	202.30	14	3.31	12.30	0.36
040.10	2	0.00	1.22	0.02	202.XX	16	3.44	11.96	0.37
040.40	2	0.00	1.16	0.28	221.00	6	1.2092	4.6748	0.8916
040.XX	5	0.00	1.06	0.02	221.30	22	0.0278	3.5562	0.3620
041.10	18	- 4.74	19.79	0.48	221.XX	29	0.2877	3.6637	0.5023
041.40	6	1.65	6.15	1.63	241.30	19	- 0.32	1.76	0.38
041.50	10	0.34	1.40	0.53	241.XX	19	- 0.32	1.76	0.38
041.60	10	0.00	0.60	0.79	251.30	11	0.26	1.49	0.07
041.99	2	- 67.37	95.27	3.92	251.XX	13	- 0.07	1.01	0.05
041.XX	37	- 2.23	11.44	0.76	261.30	17	- 1.203	3.284	1.042
048.20	3	0.00	1.11	0.08	261.XX	18	- 1.122	3.192	1.015
048.XX	3	0.00	1.11	0.08	289.30	15	0.47	2.04	0.23
050.00	15	6.34	26.00	0.43	289.XX	16	0.45	2.04	0.23
050.10	4	0.36	1.16	0.55	291.30	12	- 0.61	2.31	0.20
050.30	10	0.06	0.98	0.24	291.XX	14	- 0.44	1.91	0.16
050.50	8	0.00	0.94	0.40	301.30	4	4.49	9.00	0.71
050.51	8	0.00	1.03	0.11	301.XX	5	5.65	11.99	0.96
050.60	7	0.00	1.01	0.22	311.99	5	0.00	1.04	0.17
050.61	11	- 1.33	4.39	0.36	311.XX	5	0.00	1.04	0.17

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
321.00	14	0.332	1.541	0.357					
321.30	38	0.506	5.428	0.203					
321.XX	51	0.394	5.061	0.209					