

- Pass 1 Results for 80 Labs - - Pass 2 Results for 77 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation	920.03	001.10	7	16.98	0.40	0.06	7	16.98	0.40	0.06
Ammoniacal Nitrogen, Other		001.99	9	16.31	1.36	0.11	9	16.31	1.36	0.11
Method Group 001.XX PCT			16	16.60	1.10	0.09	16	16.60	1.10	0.09
Nitrate Nitrogen, Other		002.99	2	0.19	0.01	0.01	2	0.19	0.01	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	4	17.42	0.27	0.08	4	17.42	0.27	0.08
Ammon & Nitrate N, Other		009.99	1	14.88	0.04	0.05	1	14.88	0.04	0.05
Method Group 009.XX PCT			5	16.91	1.10	0.08	5	16.91	1.10	0.08
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	17.55	0.23	0.05	6	17.55	0.23	0.05
Total Nitrogen, Salicylic	955.04D	010.12	2	17.54	0.07	0.09	2	17.54	0.07	0.09
Total Nitrogen, Combustion		010.60	51	17.68	0.22	0.10	47	17.68	0.20	0.08
Total Nitrogen, Other		010.99	4	17.52	0.29	0.08	4	17.52	0.29	0.08
Method Group 010.XX PCT			63	17.66	0.23	0.09	57	17.65	0.21	0.07
Total Phosphate, Grav Quimociac	962.02	020.10	7	45.84	0.20	0.24	7	45.84	0.20	0.24
Total Phosphate, Spectrometric	958.01	020.20	14	45.50	0.59	0.24	14	45.50	0.59	0.24
Total Phosphate, Automated	978.01	020.40	5	45.94	0.68	0.38	4	45.76	0.50	0.10
Total Phosphate, ICP		020.50	5	46.25	0.49	0.38	5	46.25	0.49	0.38
Total Phosphate, Other		020.99	3	45.89	0.18	0.07	3	45.89	0.18	0.07
Method Group 020.XX PCT			35	45.81	0.58	0.26	32	45.81	0.46	0.19
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	2	0.15	0.02	0.01	2	0.15	0.02	0.01
Insoluble Phosphate, Automated	978.01	030.40	2	0.37	0.03	0.03	2	0.37	0.03	0.03
Insoluble Phosphate, ICP		030.50	1	0.25	0.01	0.02	1	0.25	0.01	0.02
Method Group 030.XX PCT			5	0.26	0.11	0.02	5	0.26	0.11	0.02
InDir Available Phosphate, Grav Quim	960.02	040.10	2	45.84	0.06	0.09	2	45.84	0.06	0.09
InDir Available Phosphate, Automated	960.02	040.40	2	45.13	0.47	0.14	2	45.13	0.47	0.14
InDir Available Phosphate, ICP		040.50	1	46.30	0.18	0.25	1	46.30	0.18	0.25
Method Group 040.XX PCT			5	45.65	0.55	0.15	5	45.65	0.55	0.15
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	18	45.51	0.56	0.30	17	45.50	0.56	0.26
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	44.65	0.08	0.11	1	44.65	0.08	0.11
Dir Available Phosphate, Automated	978.01	041.40	5	45.64	0.41	0.15	4	45.49	0.26	0.04
Dir Available Phosphate, ICP		041.50	10	45.34	0.79	0.33	10	45.34	0.79	0.33
Dir Available Phosphate, EDTA Extract	993.01	041.60	9	45.28	0.59	0.38	8	45.24	0.57	0.27
Dir Available Phosphate, Other		041.99	1	46.26	0.21	0.29	1	46.26	0.21	0.29
Method Group 041.XX PCT			44	45.43	0.62	0.30	41	45.44	0.62	0.24
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	40.87	0.40	0.19	3	40.87	0.40	0.19
Soluble Potash, ICP (Oxalate)		050.50	1	0.22	0.00	0.01	1	0.22	0.00	0.01
Soluble Potash, ICP (Citrate)		050.51	1	0.12	0.01	0.01	1	0.12	0.01	0.01
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Soluble Potash, Other		050.99	3	0.34	0.27	0.02	3	0.34	0.27	0.02
Method Group 050.XX PCT			6	0.23	0.23	0.01	6	0.23	0.23	0.01

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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
Free Water, Vacuum Oven	965.08B	060.00	4	3.15	0.27	0.05	4	3.15	0.27	0.05
Acid Soluble Calcium, ICP		101.30	16	0.34	0.04	0.01	14	0.33	0.04	0.00
Acid Soluble Magnesium, AA	984.01	121.00	4	0.97	0.06	0.02	4	0.97	0.06	0.02
Acid Soluble Magnesium, ICP		121.30	25	0.90	0.09	0.02	24	0.90	0.09	0.01
Method Group 121.XX PCT			29	0.91	0.09	0.02	27	0.91	0.09	0.01
Sulfur, Gravimetric	980.02a	144.01	7	1.23	0.10	0.04	7	1.23	0.10	0.04
Sulfur, Spectrometric		144.70	1	1.16	0.01	0.01	1	1.16	0.01	0.01
Sulfur, Other		144.99	12	1.15	0.08	0.02	12	1.15	0.08	0.02
Method Group 144.XX PCT			20	1.18	0.09	0.03	20	1.18	0.09	0.03
Arsenic, Atomic Absorption		151.00	2	6.00	5.78	0.20	2	6.00	5.78	0.20
Arsenic, ICP		151.30	12	11.76	3.68	0.48	12	11.76	3.68	0.48
Arsenic, Other		151.99	1	7.89	0.18	0.25	1	7.89	0.18	0.25
Method Group 151.XX PPM			15	10.73	4.32	0.42	14	10.45	4.34	0.35
Acid Soluble Boron, Spectrometric	982.01	165.00	1	0.017	0.005	0.007	1	0.017	0.005	0.007
Acid Soluble Boron, Other		165.99	6	0.024	0.018	0.001	6	0.024	0.018	0.001
Method Group 165.XX PCT			7	0.023	0.017	0.002	6	0.024	0.018	0.001
Cadmium, Atomic Absorption		181.00	2	2.24	0.37	0.09	2	2.24	0.37	0.09
Cadmium, ICP		181.30	15	2.81	0.34	0.16	14	2.76	0.30	0.13
Cadmium, Other		181.99	1	2.75	0.02	0.03	1	2.75	0.02	0.03
Method Group 181.XX PPM			18	2.74	0.38	0.15	16	2.69	0.35	0.10
Water Soluble Chlorine, Titrimetric	928.02	190.00	1	0.03	0.04	0.06	1	0.03	0.04	0.06
Water Soluble Chlorine, Other		190.99	2	1.49	1.60	0.05	2	1.49	1.60	0.05
Method Group 190.XX PCT			3	1.00	1.45	0.06	3	1.00	1.45	0.06
Chromium, ICP		191.30	18	108.73	12.46	1.78	17	108.09	12.51	1.47
Chromium, Other		191.99	1	108.00	1.41	2.00	1	108.00	1.41	2.00
Method Group 191.XX PPM			19	108.69	12.12	1.79	18	108.09	12.15	1.50
Acid Soluble Cobalt, ICP	965.11	202.30	10	2.84	0.48	0.15	10	2.84	0.48	0.15
Acid Soluble Cobalt, Other		202.99	2	2.73	0.09	0.03	2	2.73	0.09	0.03
Method Group 202.XX PPM			12	2.82	0.44	0.13	11	2.78	0.44	0.10
Acid Soluble Copper, Atomic Absorption	975.01	221.00	4	0.0002	0.0001	0.0000	4	0.0002	0.0001	0.0000
Acid Soluble Copper, ICP		221.30	7	0.0081	0.0199	0.0003	6	0.0003	0.0003	0.0000
Acid Soluble Copper, Other		221.99	2	0.0021	0.0024	0.0010	2	0.0021	0.0024	0.0010
Method Group 221.XX PCT			13	0.0048	0.0148	0.0003	11	0.0003	0.0003	0.0000
Acid Soluble Iron, Atomic Absorption	980.01	241.00	2	0.95	0.02	0.01	2	0.95	0.02	0.01
Acid Soluble Iron, ICP		241.30	20	0.96	0.07	0.02	18	0.95	0.06	0.01
Acid Soluble Iron, Other		241.99	2	0.96	0.02	0.01	2	0.96	0.02	0.01
Method Group 241.XX PCT			24	0.96	0.06	0.02	21	0.96	0.04	0.01
Lead, Atomic Absorption		251.00	1	5.65	0.21	0.30	1	5.65	0.21	0.30
Lead, ICP		251.30	9	2.92	2.31	0.22	8	2.68	2.34	0.13

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Lead, Other		251.99	1	2.06	0.01	0.01	1	2.06	0.01	0.01
Method Group 251.XX PPM			11	3.09	2.25	0.21	10	2.91	2.29	0.14
Acid Soluble Manganese, AA	972.02a	261.00	1	0.027	0.002	0.002	1	0.027	0.002	0.002
Acid Soluble Manganese, ICP	972.02a	261.30	12	0.028	0.002	0.001	11	0.028	0.001	0.000
Acid Soluble Manganese, Other		261.99	2	0.028	0.002	0.000	2	0.028	0.002	0.000
Method Group 261.XX PCT			15	0.028	0.002	0.001	14	0.028	0.001	0.000
Molybdenum, ICP		289.30	16	7.88	1.00	0.37	15	7.91	1.00	0.30
Molybdenum, Other		289.99	1	8.47	0.07	0.10	1	8.47	0.07	0.10
Method Group 289.XX PPM			17	7.91	0.98	0.35	16	7.95	0.98	0.29
Nickel, Atomic Absorption		291.00	1	14.25	0.35	0.50	1	14.25	0.35	0.50
Nickel, ICP		291.30	11	10.70	1.20	0.39	11	10.70	1.20	0.39
Nickel, Other		291.99	1	11.60	0.14	0.20	1	11.60	0.14	0.20
Method Group 291.XX PPM			13	11.04	1.47	0.39	13	11.04	1.47	0.39
Selenium, ICP		301.30	3	2.65	2.68	0.85	3	2.65	2.68	0.85
Selenium, Other		301.99	1	0.25	0.02	0.02	1	0.25	0.02	0.02
Method Group 301.XX PPM			4	2.05	2.52	0.65	4	2.05	2.52	0.65
Sodium, Other		311.99	6	0.17	0.02	0.01	6	0.17	0.02	0.01
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	2	0.005	0.001	0.001	2	0.005	0.001	0.001
Acid Soluble Zinc, ICP		321.30	11	0.004	0.000	0.000	10	0.004	0.000	0.000
Acid Soluble Zinc, Other		321.99	1	0.007	0.001	0.001	1	0.007	0.001	0.001
Method Group 321.XX PCT			15	0.005	0.001	0.000	14	0.005	0.001	0.000
Water Soluble Zinc, ICP		325.30	1	0.000	0.000	0.000	1	0.000	0.000	0.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT											
Ammoniacal Nitrogen											
MgO Distillation											
309	17.61	1.59									
444	17.41	1.07									
416	17.01	.06									
Avg	16.98										
405	16.91	-.25									
232	16.84	-.36									
029	16.69	-.76									
234	16.42	-1.43									
230	10.55 s	-16.33									
Meth: 001.99 PCT											
Ammoniacal Nitrogen											
Other											
397	17.55	.91									
255	17.38	.79									
096	17.17	.63									
409	17.03	.53									
371	16.77	.34									
300	16.70	.30									
Avg	16.31										
027	16.29	-.02									
420	14.29	-1.48									
193	13.59	-1.99									
Meth: 001.99 PCT											
Ammon & Nitrate N											
Devarda											
030	17.77	1.30									
257	17.53	.40									
Avg	17.42										
200	17.29	-.54									
090	17.12	-1.16									
Meth: 009.99 PCT											
Ammon & Nitrate N											
Other											
420	14.88	.71									
Meth: 009.99 PCT											
Ammon & Nitrate N											
030	17.77	.78									
257	17.53	.56									
200	17.29	.34									
090	17.12	.19									
Avg	16.91										
420	14.88	-1.85									
300	16.70	.13									
Meth: 001.99 PCT											
Ammoniacal Nitrogen											
309	17.61	.92									
397	17.55	.87									
444	17.41	.73									
255	17.38	.71									
096	17.17	.51									
409	17.03	.39									
416	17.01	.37									
405	16.91	.28									
232	16.84	.22									
371	16.77	.15									
300	16.70	.13									
Meth: 001.11 PCT											
Total Nitrogen											
Modified Comprehensi											
405	17.82	1.16									
211	17.67	.49									
029	17.64	.43									
309	17.64	.36									
Avg	17.55										
090	17.43	-.56									
371	17.14	-1.82									
322	15.95 S	-6.93									
Meth: 010.12 PCT											
Total Nitrogen											
Salicylic											
254	17.56	.28									
Avg	17.54										
185	17.52	-1.19									
Meth: 010.60 PCT											
Total Nitrogen											
Combustion											
428	22.90 s	25.92									
255	18.35 A	3.32									
406	18.23	2.72									
035	18.11	2.15									
049	18.04	1.83									
043	17.96	1.57									
114	17.98	1.48									
444	17.92	1.25									
055	17.68 R	1.23									
390	17.90	1.18									
377	17.86	1.01									
007	17.75 R	.85									
136	17.83	.85									
037	17.82	.82									
405	17.82	.80									
296	17.81	.73									
162	17.78	.65									
022	17.78	.61									
233	17.74	.60									
325	17.75	.52									
106	17.75	.52									
Meth: 010.60 PCT											
Total Nitrogen											
Combustion											
231	17.76	.42									
360	17.76	.39									
292	17.74	.30									
409	17.72	.26									
040	17.68	.15									
291	17.68	.01									
Avg	17.68										
131	17.66	-.13									
029	17.65	-.17									
095	17.66	-.34									
247	17.64	-.35									
041	17.61	-.37									
027	17.61	-.38									
450	17.60	-.38									
096	17.59	-.44									
425	17.58	-.51									
057	17.57	-.53									
073	17.57	-.56									
351	17.57	-.57									
024	17.56	-.61									
232	17.55	-.68									
023	17.54	-.71									
393	17.57	-.76									
025	17.52	-.81									
177	17.51	-.84									
426	17.48	-1.00									
009	17.47	-1.03									
369	17.48	-1.04									
451	17.53 R	-1.15									
055	17.68 R	-1.27									
443	17.42	-1.37									
234	17.38	-1.48									
072	17.40	-1.49									
028	17.45 R	-1.51									
102	17.25	-2.25									
086	17.22 s	-3.13									
230	16.85 s	-4.17									

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index					
Meth: 010.XX PCT																			
<u>Total Nitrogen</u>																			
231	17.76	.52													Meth: 020.20 PCT				
360	17.76	.49	072	17.40	-1.34													Total Phosphate	
292	17.74	.40	028	17.45	R -1.37													Other	
409	17.72	.35	300	17.35	-1.48													Avg	45.89
095	17.66	.31	102	17.25	R -2.07													402	45.68
040	17.68	.19	402	17.19	-2.26													193	42.55
072	17.68	.16	371	17.14	-2.50													Meth: 020.XX PCT	
291	17.68	.12	086	17.22	S -2.95													<u>Total Phosphate</u>	
131	17.66	.10	230	16.85	S -3.93													428	48.27
211	17.67	.06	420	16.18	S -7.08													117	47.47
Avg	17.65	-1.10	322	15.95	S -8.19													042	46.65
029	17.64	-1.12	324	15.55	S -10.18													095	46.84
041	17.61	-1.25	Meth: 020.40 PCT												390	46.65			
450	17.60	-1.26	<u>Total Phosphate</u>												255	46.55			
027	17.61	-1.26	Automated												035	46.42			
029	17.64	-1.28	095	46.84	S 5.01													406	46.36
247	17.64	-1.30	041	45.96	1.43													393	46.33
096	17.59	-1.31	090	45.97	.65													426	46.19
425	17.58	-1.39	405	45.93	.44													451	45.82
057	17.57	-1.41	Avg	45.84														041	45.96
073	17.57	-1.43	057	45.84	-1.15													443	46.06
351	17.57	-1.45	444	45.81	-1.75													232	46.05
254	17.56	-1.48	117	45.82	-1.79													416	45.98
024	17.56	-1.48	300	45.59	-1.62													090	45.97
232	17.55	-1.55	Meth: 020.50 PCT												117	45.82			
023	17.54	-1.58	<u>Total Phosphate</u>												114	45.94			
393	17.57	-1.66	Spectrometric												405	45.93			
025	17.52	-1.68	428	48.27	S 4.68													409	45.88
177	17.51	-1.71	406	46.36	1.45													057	45.84
185	17.52	-1.78	232	46.05	.93													Avg	45.81
426	17.48	-1.86	416	45.98	.81													369	45.75
009	17.47	-1.88	451	45.82	X .79													292	45.75
369	17.48	-1.90	292	45.75	.43													402	45.68
451	17.53	R -1.05	369	45.75	.42													444	45.81
090	17.43	-1.11	257	45.67	.36													371	45.66
443	17.42	-1.22	371	45.66	.30													257	45.67
234	17.38	-1.32	231	45.60	.24													247	45.61
Meth: 030.10 PCT																			
<u>Grav Quimociac</u>																			
405	0.17	.88													405	0.15			
090	0.13	-.85													090	0.13			
Meth: 030.40 PCT																			
<u>Insoluble Phosphate</u>																			
096	0.39	1.08													096	0.39			
Avg	0.37														Avg	0.37			
409	0.36	-.58													409	0.36			
Meth: 030.50 PCT																			
<u>Insoluble Phosphate</u>																			
255	0.25	.71													255	0.25			
Meth: 030.XX PCT																			
<u>Insoluble Phosphate</u>																			
096	0.39	1.23													096	0.39			
409	0.36	.92													409	0.36			
Avg	0.26														Avg	0.26			
255	0.25	-.13													255	0.25			

\* 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.XX PCT											
<u>Insoluble Phosphate</u>											
405	0.17	-.85									
090	0.13	-1.18									
Meth: 040.10 PCT											
<u>InDir Available Phos</u>											
136	45.51	.02									
Avg	45.50										
<u>Grav Quim</u>											
405	45.85	1.11									
Avg	45.84										
090	45.84	-.51									
Meth: 040.40 PCT											
<u>InDir Available Phos</u>											
Automated											
409	45.53	.84									
Avg	45.13										
096	44.74	-.89									
Meth: 040.50 PCT											
<u>InDir Available Phos</u>											
ICP											
255	46.30	.71									
Meth: 040.XX PCT											
<u>InDir Available Phos</u>											
255	46.30	1.20									
405	45.85	.37									
090	45.84	.35									
Avg	45.65										
409	45.53	-.23									
096	44.74	-1.66									
Meth: 041.10 PCT											
<u>Dir Available Phosph</u>											
Grav Quimociac											
322	47.15	2.95									
211	46.09	1.05									
254	45.65 R	1.03									
057	45.77	.71									
Meth: 041.10 PCT											
<u>Dir Available Phosph</u>											
Grav Quimociac											
055	45.82	.67									
177	45.62	.34									
296	45.51	.13									
136	45.51	.02									
Avg	45.50										
131	45.48	-.05									
040	45.38	-.23									
049	45.47	-.36									
009	45.45	-.47									
072	45.20	-.56									
029	45.16	-.64									
260	45.05	-1.00									
185	44.94	-1.00									
102	44.90	-1.07									
022	45.00	-1.14									
Meth: 041.20 PCT											
<u>Dir Available Phosph</u>											
Spectrometric											
055	44.65	.71									
Meth: 041.40 PCT											
<u>Dir Available Phosph</u>											
Automated											
072	46.22 R	3.02									
027	45.84	1.35									
131	45.59	.39									
Avg	45.49										
029	45.30	-.73									
025	45.23	-1.00									
Meth: 041.50 PCT											
<u>Dir Available Phosph</u>											
ICP											
354	46.44	1.39									
291	46.31	1.22									
022	45.48	.52									
Meth: 041.50 PCT											
<u>Dir Available Phosph</u>											
ICP											
043	45.74	.50									
393	45.53	.28									
023	45.35	.10									
Avg	45.34										
007	45.10	-.49									
325	45.00	-.77									
360	44.73	-.78									
009	43.77	-2.01									
Meth: 041.60 PCT											
<u>Dir Available Phosph</u>											
EDTA Extract											
057	45.53 R	1.25									
028	45.44	.84									
043	45.72	.83									
073	45.57	.70									
106	45.56	.57									
296	45.39	.28									
Avg	45.24										
037	45.11	-.26									
177	45.21	-.33									
351	43.96	-2.24									
Meth: 041.99 PCT											
<u>Dir Available Phosph</u>											
Other											
377	46.26	.71									
Avg	46.26										
086	43.85 S	-14.74									
397	19.75 S	-129.25									
Meth: 041.XX PCT											
<u>Dir Available Phosph</u>											
ICP											
322	47.15	2.74									
354	46.44	1.61									
291	46.31	1.39									
072	46.22	1.34									
Meth: 041.XX PCT											
<u>Dir Available Phosph</u>											
ICP											
377	46.26	1.33									
057	45.53 R	1.06									
211	46.09	1.04									
254	45.65 R	.95									
057	45.77	.71									
028	45.44	.71									
055	45.82	.68									
027	45.84	.65									
022	45.48	.62									
043	45.74	.48									
043	45.72	.45									
073	45.57	.43									
009	45.45	.41									
177	45.62	.37									
049	45.47	.32									
131	45.59	.25									
393	45.53	.23									
106	45.56	.23									
296	45.51	.16									
136	45.51	.11									
131	45.48	.08									
Avg	45.44										
040	45.38	-.11									
296	45.39	-.15									
023	45.35	-.19									
029	45.30	-.22									
025	45.23	-.33									
072	45.20	-.41									
177	45.21	-.47									
029	45.16	-.48									
037	45.11	-.53									
007	45.10	-.72									
185	44.94	-.80									
260	45.05	-.82									
102	44.90	-.86									
022	45.00	-.95									
325	45.00 R	-1.06									
360	44.73	-1.13									
Meth: 048.20 PCT											
<u>Water Soluble Phosph</u>											
Spectrometric											
096	41.16	.78									
393	41.07	.51									
Avg	40.87										
420	40.38	-1.28									
Meth: 050.50 PCT											
<u>Soluble Potash</u>											
ICP (Oxalate)											
420	0.22	.71									
Meth: 050.51 PCT											
<u>Soluble Potash</u>											
ICP (Citrate)											
009	0.12	.71									
Meth: 050.60 PCT											
<u>Soluble Potash</u>											
Flame (Oxalate)											
443	0.00	.00									
Meth: 050.99 PCT											
<u>Soluble Potash</u>											
Other											
325	0.69	1.29									
Avg	0.34										
402	0.18	-.62									
377	0.17	-.67									

\* 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.XX PCT											
<u>Soluble Potash</u>											
325	0.69	2.03									
Avg	0.23										
420	0.22	-.03									
402	0.18	-.23									
377	0.17	-.28									
009	0.12	-.50									
443	0.00	-1.00									
Meth: 060.00 PCT											
Free Water											
<u>Vacuum Oven</u>											
096	3.59	1.60									
Avg	3.15										
007	3.04	-.48									
405	3.02	-.52									
416	2.98	-.65									
Meth: 101.30 PCT											
<u>Acid Soluble Calcium</u>											
ICP			193	1.27 s	5.30	144.01 PCT			144.99 PCT		
022	0.26	-1.94	200	1.03	1.03	Sulfur			144.99 PCT		
043	1.01	.67	043	1.01	.67	Gravimetric			144.99 PCT		
Avg	0.97		193	13.51 s	121.82	193	13.51 s	131.95	144.99 PCT		
028	0.94	-.61	230	1.30 s	2.19	255	1.51 s	3.51	144.99 PCT		
095	0.89	-1.27	043	1.43	1.99	043	1.43	2.68	144.99 PCT		
Meth: 121.00 PCT											
<u>Acid Soluble Magnesi</u>											
ICP			028	1.27	.42	028	1.27	.94	144.99 PCT		
041	1.10	2.13	Avg	1.23		027	1.25	.74	144.99 PCT		
420	1.09	2.10	095	1.23	-.08	390	1.25	.69	144.99 PCT		
200	1.03	1.34	296	1.20	-.30	405	1.23	.68	144.99 PCT		
043	1.01	1.11	405	1.23	-.40	354	1.22	.51	144.99 PCT		
444	1.00	1.05	200	1.15	-.89	095	1.23	.48	144.99 PCT		
255	0.99	.92	450	1.12	-1.15	409	1.21	.33	144.99 PCT		
035	0.94 R	.68									
028	0.94 R	.51									
057	0.95	.43									
390	0.93	.31									
426	0.93	.30									
065	0.93	.27									
409	0.92	.19									
354	0.91	.04									
Avg	0.91										
131	0.91	-.08									
095	0.89	-.19									
232	0.89	-.19									
027	0.88	-.28									
096	0.88	-.33									
433	0.88	-.33									
037	0.88	-.33									
009	0.88	-.35									
102	0.87	-.44									
393	0.85	-.66									
Meth: 121.30 PCT											
<u>Acid Soluble Magnesi</u>											
ICP			193	1.48 s	6.47	144.70 PCT			144.99 PCT		
247	1.48 s	6.47	230	1.30 S	2.19	247	1.17	-.17	144.99 PCT		
193	1.27 s	4.18	043	1.43	1.99	009	1.16	-.22	144.99 PCT		
405	1.26 s	3.98	028	1.27	.42	393	1.16	-.28	144.99 PCT		
041	1.10	2.13	Avg	1.23		232	1.15	-.30	144.99 PCT		
420	1.09	2.10	095	1.23	-.08	351	1.16	-.38	144.99 PCT		
200	1.03	1.34	296	1.20	-.30	102	1.13	-.49	144.99 PCT		
043	1.01	1.11	405	1.23	-.40	200	1.15	-.54	144.99 PCT		
444	1.00	1.05	200	1.15	-.89	450	1.12	-.70	144.99 PCT		
255	0.99	.92	450	1.12	-1.15	096	1.11	-.76	144.99 PCT		
035	0.94 R	.68									
028	0.94 R	.51									
057	0.95	.43									
390	0.93	.31									
426	0.93	.30									
065	0.93	.27									
409	0.92	.19									
354	0.91	.04									
Avg	0.91										
131	0.91	-.08									
095	0.89	-.19									
232	0.89	-.19									
027	0.88	-.28									
096	0.88	-.33									
433	0.88	-.33									
037	0.88	-.33									
009	0.88	-.35									
102	0.87	-.44									
393	0.85	-.66									
Meth: 144.01 PCT											
Sulfur											
<u>Gravimetric</u>											
193	13.51 s	121.82	193	13.51 s	131.95						
230	1.30 S	2.19	255	1.51 s	3.51						
043	1.43	1.99	043	1.43	2.68						
028	1.27	.42	230	1.30 s	2.59						
Avg	1.23		028	1.27	.94						
095	1.23	-.08	027	1.25	.74						
296	1.20	-.30	390	1.25	.69						
405	1.23	-.40	405	1.23	.68						
200	1.15	-.89	354	1.22	.51						
450	1.12	-1.15	095	1.23	.48						
Meth: 144.70 PCT											
Sulfur											
<u>Spectrometric</u>											
393	1.16	.71	393	1.16							
Meth: 144.99 PCT											
Sulfur											
<u>Other</u>											
255	1.51 s	4.33	255	1.51 s	4.33						
027	1.25	1.18	027	1.25	1.18						
390	1.25	1.12	390	1.25	1.12						
354	1.22	.86	354	1.22	.86						
409	1.21	.70	409	1.21	.70						
351	1.16	.31	351	1.16	.31						
247	1.17	.15	247	1.17	.15						
009	1.16	.08	009	1.16	.08						
Avg	1.15		Avg	1.15							
232	1.15	-.04	232	1.15	-.04						

\* 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: 151.00 PPM												
Arsenic												
Atomic Absorption												
200	1.00	-0.87										
Meth: 151.30 PPM												
Arsenic												
ICP												
106	18.00	1.70										
065	14.66	.81										
231	13.93	.59										
450	13.50	.49										
096	13.25	.41										
247	13.00	.34										
102	12.56	.24										
Avg 11.76												
393	11.45	-0.11										
230	11.20	-0.15										
009	9.30	-0.67										
444	5.80	-1.62										
405	4.50	-1.98										
Meth: 151.99 PPM												
Arsenic												
Other												
409	7.89	.71										
Meth: 151.00 PPM												
Arsenic												
106	18.00	1.74										
065	14.66	.98										
231	13.93	.80										
450	13.50	.71										
096	13.25	.65										
247	13.00	.59										
102	12.56	.49										
393	11.45	.24										
230	11.20	.17										
136	11.00	.13										
Avg	10.45											
Meth: 151.00 PPM												
Arsenic												
Atomic Absorption												
193	1.92	-0.86										
Meth: 181.30 PPM												
Cadmium												
ICP												
450	3.43	2.38										
393	3.22	1.51										
444	2.98	.94										
405	3.00	.79										
247	3.00	.79										
106	3.00	.79										
009	2.95	.65										
Avg 2.76												
102	2.72	-0.16										
324	2.75	-0.17										
037	2.71	-0.37										
231	2.56	-0.68										
232	2.75	-0.83										
065	2.43	-1.10										
035	2.45	-1.17										
230	2.15	-2.03										
Meth: 165.00 PPM												
Acid Soluble Boron												
009	0.051	1.56										
433	0.038	.80										
444	0.024	.06										
Avg 0.024												
106	0.020	-0.20										
409	0.005	-1.07										
232	0.004	-1.12										
Meth: 165.00 PPM												
Acid Soluble Boron												
009	0.051	1.56										
433	0.038	.80										
444	0.024	.06										
Avg 0.024												
106	0.020	-0.20										
409	0.005	-1.07										
232	0.004	-1.12										
Meth: 181.00 PPM												
Cadmium												
247	13.00	.59										
102	12.56	.49										
393	11.45	.24										
230	11.20	.17										
136	11.00	.13										
Avg	10.45											
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											
Meth: 181.00 PPM												
Cadmium												
ICP												
450	3.43	2.26										
393	3.22	1.51										
444	2.98	.97										
405	3.00	.88										
247	3.00	.88										
106	3.00	.88										
009	2.95	.75										
232	2.75	.74										
Meth: 181.00 PPM												
Cadmium												
Atomic Absorption												
136	2.55	.87										
Avg	2.24											

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	
Meth: 191.XX PPM												
<u>Chromium</u>												
035	105.00	-.27										Meth: 241.XX PCT
444	104.70	-.28										Acid Soluble Iron
405	100.00	-.67										426 1.00 1.15
230	94.50	-1.12										444 1.00 .96
393	86.03	-1.82										409 0.97 .65
324	78.80	-2.41										402 0.98 .54
Meth: 202.00 PPM												
<u>Acid Soluble Cobalt</u>												
009	2.90	.27										255 0.97 .33
057	2.80	.19										041 0.96 .26
231	2.80	.04										095 0.96 .22
Avg	2.78											027 0.96 .17
409	2.65	-.31										324 0.96 .15
232	2.55	-.55										106 0.96 .08
035	2.19	-1.36										Avg 0.96
393	1.98	-1.84										009 0.95 -.13
Meth: 202.30 PPM												
<u>Acid Soluble Cobalt</u>												
450	4.00 s	3.15										231 0.95 -.22
324	3.45	1.26										131 0.95 -.22
037	3.40	1.17										096 0.95 -.32
102	3.27	.98										065 0.95 -.42
106	3.00	.32										043 0.94 -.55
247	2.90	.24										232 0.91 -1.20
009	2.90	.12										102 0.90 -1.48
Avg	2.84											433 0.85 -2.63
057	2.80	-.19										230 0.78 A -4.45
232	2.55	-.61										028 0.63 s -8.27
035	2.19	-1.35										Meth: 251.00 PPM
393	1.98	-1.79										Lead
Meth: 221.30 PCT												
<u>Acid Soluble Copper</u>												
ICP												Atomic Absorption
232	0.7000 s	2042.25										136 5.65 -.71
255	0.0550 R	159.66										Meth: 241.99 PCT
444	0.0010	2.02										Acid Soluble Iron
Avg	0.0003											Other
247	0.0003	-.02										402 0.98 .92
433	0.0003	-.04										Avg 0.96
450	0.0002	-.48										231 0.95 -.81
065	0.0001	-.61										Meth: 241.XX PCT
041	0.0000	-.90										Acid Soluble Iron
Meth: 202.99 PPM												
<u>Acid Soluble Cobalt</u>												
Other												Atomic Absorption
231	2.80	.85										405 1.54 s 14.36
Avg	2.73											247 1.38 s 10.51
409	2.65	-.88										354 1.06 R 2.59
Meth: 221.99 PCT												
<u>Acid Soluble Copper</u>												
Other												Avg 2.68
409	0.7900 S	329.93										037 2.49 -.08
402	0.0040	.91										450 2.00 -.29
Avg	0.0021											231 1.88 -.35
231	0.0001	-.81										Meth: 221.XX PCT
<u>Acid Soluble Copper</u>												
409	0.7900 S	329.93										ICP
402	0.0040	.91										393 8.39 X 2.44
Avg	0.0021											324 4.85 R .95
231	0.0001	-.81										247 3.00 .14
Meth: 221.XX PCT												
<u>Acid Soluble Copper</u>												
409	0.7900 s	2948.50										Avg 2.68
232	0.7000 s	2604.98										037 2.49 -.08
255	0.0550 R	203.81										450 2.00 -.29
402	0.0040 R	14.40										231 1.88 -.35
444	0.0010	2.75										Meth: 241.30 PCT
200	0.0004	.43										Acid Soluble Iron
043	0.0004	.38										ICP
433	0.0003	.15										393 8.39 X 2.44
247	0.0003	.14										324 4.85 R .95
Avg	0.0003											247 3.00 .14
450	0.0002	-.46										Avg 2.68
193	0.0001	-.57										037 2.49 -.08
231	0.0001	-.60										450 2.00 -.29
095	0.0001	-.60										231 1.88 -.35
065	0.0001	-.61										Meth: 251.30 PPM
041	0.0000	-.98										Lead
Meth: 241.00 PCT												
<u>Acid Soluble Iron</u>												
Atomic Absorption												Atomic Absorption
095	0.96	.92										136 5.65 -.71
Avg	0.95											Meth: 241.30 PCT
043	0.94	-.81										Lead
028	0.63 S	-20.49										ICP
Meth: 241.30 PCT												
<u>Acid Soluble Iron</u>												
232	0.7000 s	2042.25										393 8.39 X 2.44
255	0.0550 R	159.66										324 4.85 R .95
444	0.0010	2.02										247 3.00 .14
Avg	0.0003											Avg 2.68
247	0.0003	-.02										037 2.49 -.08
433	0.0003	-.04										450 2.00 -.29
450	0.0002	-.48										Meth: 251.00 PPM
065	0.0001	-.61										Lead
041	0.0000	-.90										ICP
Meth: 241.99 PCT												
<u>Acid Soluble Iron</u>												
405	1.54 s	14.36										393 8.39 X 2.44
247	1.38 s	10.51										324 4.85 R .95
354	1.06 R	2.59										247 3.00 .14
035	1.05 R	2.43										Avg 2.68
057	1.04	2.06										037 2.49 -.08
390	1.01	1.35										450 2.00 -.29
Meth: 241.XX PCT												
<u>Acid Soluble Iron</u>												
405	1.54 s	14.36										231 1.88 -.35
247	1.38 s	10.51										Meth: 251.30 PPM
354	1.06 R	2.59										Lead
035	1.05 R	2.43										ICP
057	1.04	2.06										393 8.39 X 2.44
390	1.01	1.35										324 4.85 R .95
Meth: 241.30 PCT												
<u>Acid Soluble Iron</u>												
405	1.54 s	14.36										247 3.00 .14
247	1.38 s	10.51										Avg 2.68
354	1.06 R	2.59										037 2.49 -.08
035	1.05 R	2.43										450 2.00 -.29
057	1.04	2.06										231 1.88 -.35
390	1.01	1.35										Meth: 251.00 PPM

\* 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									
230	1.78	-.39	102	0.028	.08	ICP			Meth: 289.30 PPM			
102	1.36	-.57	Avg	0.028		231	8.89	.97	Molybdenum			
065	0.55 X	-.92	009	0.028	-.29	106	8.50	.77	035 7.64			
Meth: 251.99 PPM												
Lead			131	0.028	-.51	450	8.50	.77	035 7.18			
Other			232	0.027	-1.05	102	8.44	.61	035 7.29 R			
409	2.06	.71	096	0.027	-1.10	247	8.40	.49	009 6.45			
Meth: 251.99 PPM												
Lead			393	0.027	-1.33	065	8.14	.23	009 6.44			
Other			444	0.027 R	-2.44	037	7.99	.10	009 6.44			
409	2.06	.71	057	7.96	.08	Avg	7.91		009 6.40			
Meth: 261.99 PCT												
Lead			Acid Soluble Manganese									
393	8.39 X	2.39	402	0.030	.87	433	7.18	-.73	Meth: 291.00 PPM			
136	5.65	1.20	Avg	0.028		393	7.29 R	-.93	Nickel			
324	4.85 R	.87	409	0.027	-.87	009	6.45	-1.47	ICP			
247	3.00	.04	057	0.029	.67	230	6.44	-1.48	444 17.81 s			
Avg	2.91		433	0.028	.16	324	6.40	-1.53	231 12.61			
037	2.49	-.19	102	0.028	.10	Meth: 289.99 PPM						
409	2.06	-.38	Avg	0.028		Molybdenum						
450	2.00	-.40	009	0.028	-.25	444 10.00						
231	1.88	-.46	131	0.028	-.46	231 8.89						
230	1.78	-.50	232	0.027	-.98	106 8.50						
102	1.36	-.68	409	0.027	-1.02	450 8.50						
065	0.55 X	-1.04	096	0.027	-1.03	102 8.44						
Meth: 261.00 PCT												
Lead			028	0.027	-1.03	409 8.47						
ICP			028	0.027	-1.03	247 8.40						
065	0.031	1.93	393	0.027	-1.25	065 8.14						
106	0.030	1.31	444	0.027 R	-2.33	037 7.99						
035	0.029	.66	Meth: 291.99 PPM									
057	0.029	.40	Nickel									
433	0.028	.13	Other									
Meth: 261.30 PCT												
Lead			Acid Soluble Manganese									
ICP			409 11.60									
065	0.031	1.93	247 6.00									
106	0.030	1.31	Avg 2.05									
035	0.029	.66	065 0.95 X									
057	0.029	.40	450 1.00									
433	0.028	.13	296 0.25									

\* 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: 311.99 PCT  
 Sodium  
 Other  
 009 0.19 1.24  
 102 0.18 .64  
 057 0.18 .52  
 Avg 0.17  
 035 0.17 -.46  
 232 0.15 -.85  
 405 0.14 -1.53

Meth: 321.99 PCT  
 Acid Soluble Zinc  
 Other  
 402 0.007 -.71

Meth: 321.22 PCT  
 Acid Soluble Zinc  
 037 0.476 s 563.16  
 393 0.007 2.12  
 402 0.007 2.12  
 450 0.006 1.03  
 043 0.005 R .87

Meth: 321.00 PCT  
 Acid Soluble Zinc  
 Atomic Absorption  
 450 0.006 .52  
 Avg 0.005  
 043 0.005 -1.11

Meth: 321.30 PCT  
 Acid Soluble Zinc  
 ICP  
 037 0.476 s 2130.43  
 393 0.007 s 9.83  
 035 0.005 R 2.63  
 409 0.005 1.88  
 390 0.005 .91  
 433 0.005 .72  
 065 0.004 .16  
 Avg 0.004  
 057 0.004 -.53  
 324 0.004 -.58  
 102 0.004 -.63  
 247 0.004 -.81  
 009 0.004 -.99  
 232 0.004 -1.40  
 444 0.001 s -15.26

Meth: 325.30 PCT  
 Water Soluble Zinc  
 ICP  
 393 0.000 .00

Meth: 321.00 PCT  
 Acid Soluble Zinc  
 035 0.005 -.54  
 324 0.004 -.61  
 057 0.004 -.64  
 102 0.004 -.66  
 232 0.004 -.70  
 247 0.004 -.72  
 009 0.004 -.76  
 444 0.001 s -4.54

Meth: 321.00 PCT  
 Acid Soluble Zinc  
 035 0.005 -.54  
 324 0.004 -.61  
 057 0.004 -.64  
 102 0.004 -.66  
 232 0.004 -.70  
 247 0.004 -.72  
 009 0.004 -.76  
 444 0.001 s -4.54

Meth: 321.00 PCT  
 Acid Soluble Zinc  
 035 0.005 -.54  
 324 0.004 -.61  
 057 0.004 -.64  
 102 0.004 -.66  
 232 0.004 -.70  
 247 0.004 -.72  
 009 0.004 -.76  
 444 0.001 s -4.54

Meth: 321.00 PCT  
 Acid Soluble Zinc  
 035 0.005 -.54  
 324 0.004 -.61  
 057 0.004 -.64  
 102 0.004 -.66  
 232 0.004 -.70  
 247 0.004 -.72  
 009 0.004 -.76  
 444 0.001 s -4.54

\* 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	- 2.03	5.83	0.50	121.30	27	0.41	1.75	0.14
001.99	9	0.00	1.03	0.05	121.XX	32	0.48	1.73	0.24
001.XX	17	- 0.32	1.66	0.13	144.01	9	13.61	40.59	0.77
002.99	2	0.00	1.11	0.37	144.99	13	0.33	1.53	0.21
002.XX	2	0.00	1.11	0.37	144.XX	23	5.94	27.49	0.54
009.10	4	0.00	1.07	0.16	151.00	2	0.00	1.22	0.02
009.XX	5	0.00	1.06	0.04	151.30	12	0.00	1.02	0.09
010.11	7	- 0.99	2.79	0.13	151.XX	15	0.06	1.01	0.07
010.12	2	0.00	0.39	0.82	165.99	6	0.000	1.048	0.033
010.60	55	0.19	3.99	0.50	165.XX	7	- 0.057	0.969	0.080
010.99	6	- 0.14	2.82	0.14	181.00	2	0.00	1.21	0.12
010.XX	68	- 0.01	3.79	0.45	181.30	15	0.15	1.09	0.40
020.10	8	0.62	1.87	0.71	181.XX	18	0.13	1.06	0.32
020.20	19	- 1.76	5.47	0.28	190.99	2	0.00	1.22	0.02
020.40	5	0.35	1.22	0.67	190.XX	3	0.00	1.12	0.02
020.50	6	0.41	1.28	0.84	191.30	18	0.05	1.01	0.10
020.99	4	- 4.58	9.21	0.46	191.XX	19	0.05	1.01	0.10
020.XX	41	- 1.25	5.14	0.55	202.30	11	0.22	1.20	0.65
030.10	2	0.00	1.20	0.17	202.99	2	0.00	1.20	0.17
030.40	2	0.00	0.78	0.67	202.XX	14	1.45	4.46	0.67
030.XX	5	0.00	1.05	0.12	221.00	4	0.0000	1.0549	0.2009
040.10	2	0.00	0.06	0.86	221.30	8	275.23	716.16	1.0333
040.40	2	0.00	1.19	0.20	221.99	3	109.65	189.93	14.465
040.XX	5	0.00	1.05	0.16	221.XX	15	384.18	973.12	57.689
041.10	18	0.01	0.93	0.39	241.00	3	- 6.79	11.78	1.35
041.40	5	0.56	1.57	0.49	241.30	22	0.94	2.70	0.21
041.50	10	0.00	0.98	0.29	241.99	2	0.00	1.14	0.31
041.60	9	0.05	0.92	0.50	241.XX	27	0.63	4.04	0.33
041.99	3	- 47.00	71.48	5.16	251.30	9	0.10	1.02	0.08
041.XX	36	- 1.19	6.93	0.68	251.XX	11	0.08	1.01	0.08
048.20	3	0.00	1.06	0.28	261.30	12	- 0.078	0.999	0.670
048.XX	3	0.00	1.06	0.28	261.99	2	0.000	1.224	0.038
050.99	3	0.00	1.12	0.03	261.XX	15	- 0.058	0.974	0.612
050.XX	6	0.00	1.05	0.03	289.30	16	- 0.04	0.97	0.28
060.00	4	0.00	1.07	0.12	289.XX	17	- 0.04	0.97	0.27
060.XX	4	0.00	1.07	0.12	291.30	12	0.49	1.96	0.29
101.30	18	0.65	2.09	0.27	291.XX	14	0.33	1.56	0.22
101.XX	18	0.65	2.09	0.27	301.30	3	0.00	1.08	0.22
121.00	5	1.01	2.43	0.76	301.XX	4	0.00	1.05	0.21

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
311.99	6	0.00	1.02	0.23					
311.XX	6	0.00	1.02	0.23					
321.00	2	0.000	0.662	0.729					
321.30	14	151.78	569.11	20.530					
321.XX	17	32.852	136.56	4.936					