

- Pass 1 Results for 83 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	20.77	0.20	0.07	8	20.77	0.20	0.07
Ammoniacal Nitrogen, Other		001.99	8	20.89	0.29	0.16	7	20.86	0.27	0.09
Method Group 001.XX PCT			16	20.83	0.25	0.11	15	20.81	0.24	0.08
Nitrate Nitrogen, Other		002.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Ammon & Nitrate N, Devarda	892.01	009.10	2	20.81	0.48	0.52	2	20.81	0.48	0.52
Ammon & Nitrate N, Other		009.99	1	21.34	0.01	0.02	1	21.34	0.01	0.02
Method Group 009.XX PCT			3	20.99	0.46	0.35	3	20.99	0.46	0.35
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	20.86	0.26	0.09	5	20.88	0.27	0.05
Total Nitrogen, Salicylic	955.04D	010.12	1	20.81	0.01	0.02	1	20.81	0.01	0.02
Total Nitrogen, Combustion		010.60	61	20.97	0.25	0.10	57	20.98	0.22	0.08
Total Nitrogen, Other		010.99	6	20.87	0.36	0.06	5	20.76	0.26	0.03
Method Group 010.XX PCT			74	20.95	0.26	0.09	68	20.95	0.26	0.07
Total Phosphate, Spectrometric	958.01	020.20	1	0.67	0.02	0.03	1	0.67	0.02	0.03
Total Phosphate, Automated	978.01	020.40	1	21.01	0.04	0.05	1	21.01	0.04	0.05
Total Phosphate, ICP		020.50	3	18.13	27.86	0.07	3	18.13	27.86	0.07
Method Group 020.XX PCT			5	15.21	22.17	0.06	4	5.49	9.58	0.03
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	1	0.14	0.04	0.05	1	0.14	0.04	0.05
Dir Available Phosphate, ICP		041.50	2	0.14	0.01	0.01	2	0.14	0.01	0.01
Method Group 041.XX PCT			3	0.14	0.02	0.02	3	0.14	0.02	0.02
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	0.19	0.13	0.18	1	0.19	0.13	0.18
Soluble Potash, STPB Oxalate	958.02	050.00	15	60.66	0.34	0.17	13	60.68	0.32	0.08
Soluble Potash, STPB Citrate	969.04	050.10	2	60.29	0.08	0.09	2	60.29	0.08	0.09
Soluble Potash, AA (Oxalate)		050.30	9	60.04	0.99	0.54	9	60.04	0.99	0.54
Soluble Potash, ICP (Oxalate)		050.50	6	60.22	1.15	0.55	6	60.22	1.15	0.55
Soluble Potash, ICP (Citrate)		050.51	9	60.67	0.86	0.21	9	60.67	0.86	0.21
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	4	61.28	1.12	0.10	4	61.28	1.12	0.10
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	8	60.65	0.78	0.44	7	60.69	0.73	0.20
Soluble Potash, Other		050.99	11	60.18	0.26	0.19	11	60.18	0.26	0.19
Method Group 050.XX PCT			71	60.40	0.95	0.42	66	60.41	0.84	0.26
Free Water, Vacuum Oven	965.08B	060.00	2	0.05	0.03	0.04	2	0.05	0.03	0.04
Acid Soluble Calcium, ICP		101.30	7	0.07	0.01	0.00	6	0.07	0.01	0.00
Acid Soluble Magnesium, ICP		121.30	8	0.05	0.02	0.00	6	0.04	0.02	0.00
Sulfur, Gravimetric	980.02a	144.01	19	24.36	0.43	0.12	19	24.36	0.43	0.12
Sulfur, Gravimetric	980.02b	144.02	1	24.42	0.02	0.03	1	24.42	0.02	0.03
Sulfur, Spectrometric		144.70	1	23.58	0.06	0.09	1	23.58	0.06	0.09
Sulfur, Other		144.99	17	23.85	0.59	0.17	16	23.89	0.56	0.11
Method Group 144.XX PCT			38	24.12	0.56	0.14	37	24.14	0.54	0.12
Arsenic, ICP		151.30	1	0.85	0.00	0.01	1	0.85	0.00	0.01
Acid Soluble Boron, Other		165.99	2	6.895	0.142	0.090	2	6.895	0.142	0.090

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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
Cadmium, ICP		181.30	1	0.08	0.00	0.00	1	0.08	0.00	0.00
Water Soluble Chlorine, Other		190.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Chromium, ICP		191.30	2	0.88	0.33	0.40	2	0.88	0.33	0.40
Acid Soluble Cobalt, ICP	965.11	202.30	1	0.18	0.00	0.00	1	0.18	0.00	0.00
Acid Soluble Copper, ICP		221.30	4	1.9361	1.9151	0.0750	4	1.9361	1.9151	0.0750
Acid Soluble Iron, ICP		241.30	4	0.02	0.00	0.00	4	0.02	0.00	0.00
Lead, ICP		251.30	1	0.34	0.00	0.01	1	0.34	0.00	0.01
Acid Soluble Manganese, ICP	972.02a	261.30	3	1.099	0.861	0.137	3	1.099	0.861	0.137
Molybdenum, ICP		289.30	2	0.41	0.17	0.01	2	0.41	0.17	0.01
Nickel, ICP		291.30	1	0.13	0.00	0.00	1	0.13	0.00	0.00
Selenium, ICP		301.30	1	0.08	0.00	0.00	1	0.08	0.00	0.00
Sodium, Other		311.99	3	0.83	0.63	0.02	3	0.83	0.63	0.02
Acid Soluble Zinc, ICP		321.30	6	1.035	1.545	0.167	5	0.572	1.201	0.020

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT											
Ammoniacal Nitrogen											
MgO Distillation	291	21.06	1.42								
	029	20.85	.49								
	389	20.85	.46								
	309	20.83	.32								
	416	20.81	.16								
Avg	20.77										
	351	20.74	-.17								
	420	20.72	-.33								
	444	20.34	-2.18								
230	0.13	s-102.29									
Meth: 001.99 PCT											
Ammoniacal Nitrogen											
Other	393	21.34	1.78								
	234	21.10	R 1.43								
	096	21.02	.58								
	450	20.91	.38								
	220	20.87	.34								
Avg	20.86										
	027	20.76	-.37								
	255	20.61	-.93								
	193	20.51	-1.31								
	372	17.74	s -11.60								
Meth: 001.XX PCT											
Ammoniacal Nitrogen											
Ammoniacal Nitrogen	393	21.34	.71								
Ammon & Nitrate N	090	21.01	.41								
Devarda	Avg	20.81									
	030	20.62	-1.15								
Meth: 009.10 PCT	393	21.34	.71								
Ammon & Nitrate N	090	21.01	.41								
Other	Avg	20.81									
	030	20.62	-1.15								
Meth: 009.99 PCT	393	21.34	.71								
Ammon & Nitrate N	090	21.01	.41								
Other	Avg	20.81									
	030	20.62	-1.15								
Meth: 009.XX PCT	393	21.34	.71								
Ammon & Nitrate N	090	21.01	.41								
Other	Avg	20.81									
	030	20.62	-1.15								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.12 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Salicylic	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.12 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Salicylic	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.12 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Salicylic	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.12 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Salicylic	Avg	20.88									
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
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	211	20.42	-1.74								
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Meth: 010.11 PCT	090	21.04	.58								
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Meth: 010.11 PCT	090	21.04	.58								
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Modified Comprehensi	Avg	20.88									
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	211	20.42	-1.74								
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
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	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
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Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
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	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
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	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
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Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg	20.88									
	029	20.82	-.23								
	114	20.73	R -.82								
	211	20.42	-1.74								
	322	19.32	S -5.84								
Meth: 010.11 PCT	090	21.04	.58								
Total Nitrogen	309	21.03	.55								
Modified Comprehensi	Avg										

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index			
Meth: 010.XX PCT														
<u>Total Nitrogen</u>														
007	21.10	.58										Meth: 050.30 PCT		
024	21.08	.50										Soluble Potash		
043	21.05	.50										AA (Oxalate)		
361	21.08	.49										262	59.70	-.35
137	21.07	.46										185	59.80	-.61
325	21.00	.43										234	59.35	-.78
389	21.05	.43										351	58.44	-1.62
377	21.06	.43										193	57.60	S -2.56
231	21.06	.43										Meth: 050.50 PCT		
049	20.98	.41										Soluble Potash		
390	21.04	.37										ICP (Oxalate)		
095	21.04	.35										292	62.72	S 2.54
451	20.97	.34										324	62.10	1.77
090	21.04	.33										106	60.77	.50
309	21.03	.30										Avg	60.22	
136	21.02	.28										426	60.17	-.05
233	20.96	.27										422	60.07	-.14
360	21.02	.25										420	59.38	-.82
086	20.99	.24										432	58.86	-1.19
106	21.00	.19										Meth: 050.51 PCT		
117	21.00	.18										Soluble Potash		
247	20.97	.11										ICP (Citrate)		
027	20.98	.10										007	61.63	1.11
025	20.96	.06										291	61.58	1.05
040	20.96	.05										377	61.47	.94
292	20.96	.02										095	61.11	.51
Avg	20.95											423	60.71	.15
131	20.94	-.07										Avg	60.67	
372	20.94	-.09										361	60.64	-.05
300	20.92	-.14										009	59.99	-.84
018	20.95	-.19										043	59.81	-1.03
425	20.90	-.22										023	59.13	-1.80
406	20.88	-.30										453	57.41	S -3.82
234	20.91	-.32										022	56.85	S -4.45
055	20.95	-.35										Meth: 050.10 PCT		
029	20.89	-.36										Soluble Potash		
453	20.87	-.36										STPB Citrate		
324	20.85	-.44										300	60.32	.43
Meth: 020.50 PCT														
<u>Total Phosphate</u>														
ICP														
330	54.10	1.29										Avg	60.29	
Avg	18.13											444	60.26	-1.15
422	0.18	-.64										117	56.38	S -49.35
453	0.13	-.65										Meth: 050.30 PCT		
Meth: 020.XX PCT														
<u>Total Phosphate</u>														
ICP														
330	54.10	R 5.08										Soluble Potash		
096	21.01	1.62										AA (Oxalate)		
Avg	5.49											369	77.12	S 17.25
420	0.67	-.50										428	61.92	X 1.95
422	0.18	-.56										136	60.64	.71
453	0.13	-.56										040	60.52	.67
Meth: 041.10 PCT														
<u>Dir Available Phosph</u>														
Grav Quimociac														
009	0.14	-.71										425	60.05	.05
Meth: 041.50 PCT														
<u>Dir Available Phosph</u>														
ICP														
325	0.15	.87										Avg	60.04	
Avg	0.14											073	59.94	-.13
009	0.14	-.87										Meth: 048.20 PCT		
Meth: 041.XX PCT														
<u>Dir Available Phosph</u>														
Spectrometric														
420	0.67	.71										Water Soluble Phosph		
Meth: 020.40 PCT														
<u>Total Phosphate</u>														
Automated														
096	21.01	-.71										Spectrometric		
Meth: 048.20 PCT														
<u>Water Soluble Phosph</u>														
Spectrometric														
420	0.19	.71										Avg	60.04	

* 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: 050.60 PCT														
Soluble Potash														
Flame (Oxalate)														
443	69.84 S	7.64										Meth: 121.30 PCT		
406	63.05	1.57										Acid Soluble Magnesi		
Avg														
131	61.11	-1.16										ICP		
309	60.52	-0.69										453	0.06 R	.94
055	60.47	-0.73										009	0.05	.68
Meth: 050.99 PCT														
Soluble Potash														
Other														
325	59.80	-1.47										420	0.05	.54
042	59.25 s	-4.21										232	0.05	.39
131	59.13 s	-5.22										Avg	0.04	
307	58.76 s	-6.80										390	0.02	-1.28
Meth: 050.99 PCT														
Soluble Potash														
369	77.12 s	20.01										433	0.02	-1.36
443	69.84 s	11.31										Meth: 144.01 PCT		
030	63.94 s	6.27										Sulfur		
292	62.72 s	3.31										Gravimetric		
406	63.05	3.16										262	25.30	2.16
390	60.95 R	3.12										055	24.95	1.40
324	62.10 R	2.24										029	24.86	1.14
177	62.08	2.00										043	24.62	.60
428	61.92 X	1.88										324	24.55	.44
025	61.88	1.76										040	24.53	.39
007	61.63	1.47										233	24.52	.36
291	61.58	1.40										102	24.51	.33
377	61.47	1.28										041	24.46	.29
022	61.35	1.13										086	24.38	.05
095	61.11	.85										Avg	24.36	
131	61.11	.83										220	24.35	-1.16
009	61.09	.81										095	24.24	-0.30
043	61.06	.77										296	24.35	-0.36
393	60.95	.64										231	24.18	-0.63
072	60.92	.61										444	24.09	-0.68
040	60.52	.57										114	24.06	-0.71
024	60.44	1.03										028	23.81	-1.29
322	60.39	.83										372	23.65	-1.66
354	60.36	.74										193	23.55	-1.88
402	60.33	.64										230	19.70 s	-10.73
Avg	60.18											Meth: 121.30 PCT		
232	60.08	-0.41										Acid Soluble Magnesi		
255	60.03	-0.90										ICP		
450	59.96	-0.97										422	0.10 R	3.28
247	59.91	-1.05										131	0.06	1.05
Meth: 050.99 PCT														
Soluble Potash														
Other														
390	60.95 s	10.41										Meth: 101.30 PCT		
177	62.08 s	7.45										Acid Soluble Calcium		
360	60.31	1.25										ICP		
027	60.35	1.04										422	0.31 s	33.01
072	60.44	1.03										453	0.08 R	2.59
322	60.39	.83										009	0.08	1.62
354	60.36	.74										420	0.07	.55
402	60.33	.64										390	0.07	.30
Avg	60.18											Avg	0.07	
232	60.08	-0.41										232	0.07	-0.22
255	60.03	-0.90										131	0.06	-0.93
450	59.96	-0.97										433	0.06	-1.26
247	59.91	-1.05										262	59.70	-0.85
Meth: 121.30 PCT														
Acid Soluble Magnesi														
ICP														
422	0.10 R	3.28										Meth: 144.02 PCT		
131	0.06	1.05										Sulfur		
Gravimetric														
292	24.42	.71										292	24.42	.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: 144.70 PCT														
Sulfur														
393	23.58	-.71										Meth: 301.30 PPM		
Meth: 144.99 PCT														
Sulfur														
220	24.87	1.74										Meth: 311.99 PCT		
049	24.73	1.48										Sodium		
136	24.39	.88										Other		
351	24.30	.73										009	1.34	.80
023	24.23	.62										232	1.14	.48
037	24.17	.54										Avg	0.83	
040	24.18	.52										422	0.03	-1.28
027	24.01	.20										Meth: 321.30 PCT		
390	23.90	.01										Acid Soluble Zinc		
Avg	23.89											ICP		
360	23.82	-.15										232	3.350	R 2.34
291	23.49	-.72										009	2.850	1.90
450	23.46	-.83										Avg	0.572	
422	23.36	-.95										423	0.003	-.47
389	23.30	-1.07										390	0.002	-.47
423	23.23	-1.19										422	0.002	-.47
009	23.20	-1.57										433	0.001	-.47
255	22.87	-1.81										Meth: 251.30 PPM		
453	21.05	-5.05										Lead		
361	20.97	-5.20										ICP		
137	20.79	-5.51										393	0.34	.71
Meth: 144.99 PCT														
Sulfur														
262	25.30	2.14										Meth: 261.30 PCT		
055	24.95	1.52										Acid Soluble Manganese		
220	24.87	1.35										ICP		
029	24.86	1.33										393	1.695	.69
049	24.73	1.09										009	1.600	.63
043	24.62	.89										Avg	1.099	
324	24.55	.76										433	0.001	-1.28
040	24.53	.72										Meth: 289.30 PPM		
Meth: 151.30 PPM														
Arsenic														
393	0.85	-.71										Molybdenum		
Meth: 165.99 PCT														
Acid Soluble Boron														
232	7.000	.74										ICP		
Avg	6.895											433	0.56	.87
433	6.790	-.98										Avg	0.41	
Meth: 181.30 PPM														
Cadmium														
ICP												393	0.27	-.87
393	0.08	.71										Meth: 291.30 PPM		
Meth: 190.99 PCT														
Water Soluble Chloride														
009	0.00	.71										Nickel		
Meth: 191.30 PPM														
Chromium														
ICP												ICP		
232	0.90	1.22										433	3.8800	1.02
Avg	0.88											393	3.5600	.85
393	0.86	-.06										Avg	1.9361	
Meth: 202.30 PPM														
Acid Soluble Cobalt														
ICP												393	0.13	.71
393	0.18	.71										Meth: 221.30 PCT		
Meth: 221.30 PCT														
Acid Soluble Copper														
ICP												ICP		
433	3.8800	1.02										433	0.13	.71
393	3.5600	.85										Meth: 241.30 PCT		
Avg	1.9361											Acid Soluble Iron		
Meth: 241.30 PCT														
Acid Soluble Iron														
ICP												ICP		
423	0.3000	-.86										423	0.02	1.43
423	0.0043	-1.01										009	0.02	.19
Meth: 241.30 PCT														
Acid Soluble Iron														
ICP												Avg	0.02	
423	0.09	s 23.77										232	0.01	-.46
453	0.02	1.43										433	0.01	-1.10
009	0.02	.19										Meth: 251.30 PPM		
Meth: 251.30 PPM														
Lead														
ICP												393	0.34	.71
393	0.34	.71										Meth: 261.30 PCT		
Meth: 261.30 PCT														
Acid Soluble Manganese														
ICP												ICP		
393	1.695	.69										393	0.001	-1.28
009	1.600	.63										Meth: 289.30 PPM		
Avg	1.099											Molybdenum		
433	0.001	-1.28										ICP		
Meth: 289.30 PPM														
Molybdenum														
ICP												433	0.56	.87
433	0.56	.87										Avg	0.41	
Avg	0.41											393	0.27	-.87
393	0.27	-.87										Meth: 291.30 PPM		
Meth: 291.30 PPM														
Nickel														
ICP												ICP		
393	0.13	.71										433	3.8800	1.02
393	3.5600	.85										393	3.5600	.85
Avg	1.9361											Avg	1.9361	

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

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.10	9	- 11.37	34.11	0.19	261.30	3	0.000	1.106	0.134
001.99	9	- 1.19	4.01	0.43	261.XX	3	0.000	1.106	0.134
001.XX	18	- 5.53	20.76	0.37	289.30	2	0.00	1.22	0.04
009.10	2	0.00	0.58	0.76	289.XX	2	0.00	1.22	0.04
009.XX	3	0.00	0.79	0.65	311.99	3	0.00	1.12	0.02
010.11	7	- 0.91	2.34	0.25	311.XX	3	0.00	1.12	0.02
010.60	64	- 0.58	3.09	0.34	321.30	6	0.386	1.338	0.154
010.99	6	0.42	1.41	0.17	321.XX	5	0.558	1.420	0.169
010.XX	75	- 0.48	2.60	0.29					
020.50	3	0.00	1.12	0.00					
020.XX	5	1.02	2.45	0.00					
041.50	2	0.00	0.87	0.61					
041.XX	2	0.10	0.41	0.77					
050.00	17	- 0.74	2.12	0.56					
050.10	3	- 16.44	28.48	1.10					
050.30	11	1.34	5.40	0.37					
050.50	7	0.31	1.22	0.58					
050.51	11	- 0.75	1.90	0.24					
050.60	5	1.52	3.53	0.22					
050.61	9	0.45	1.75	1.85					
050.99	16	- 0.17	2.97	2.88					
050.XX	72	0.31	3.05	0.86					
060.00	2	0.00	0.79	0.66					
060.XX	2	0.00	0.79	0.66					
101.30	8	4.44	11.61	0.37					
101.XX	8	4.44	11.61	0.37					
121.30	8	0.52	1.45	0.15					
121.XX	8	0.52	1.45	0.15					
144.01	20	- 0.54	2.59	0.19					
144.99	20	- 0.85	2.12	0.25					
144.XX	40	- 0.72	2.20	0.23					
165.99	2	0.000	1.047	0.449					
165.XX	2	0.000	1.047	0.449					
191.30	2	0.00	0.08	0.86					
191.XX	2	0.00	0.08	0.86					
221.30	4	0.0000	1.0796	0.0282					
221.XX	4	0.0000	1.0796	0.0282					
241.30	5	4.75	10.67	0.15					
241.XX	5	4.75	10.67	0.15					