

- Pass 1 Results for 81 Labs - - Pass 2 Results for 81 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	1	0.13	0.01	0.02	1	0.13	0.01	0.02
Ammoniacal Nitrogen, Other		001.99	2	1.88	1.99	0.06	2	1.88	1.99	0.06
Method Group 001.XX PCT			3	1.30	1.79	0.05	3	1.30	1.79	0.05
Nitrogen From Urea, Urease (as N)	959.03	005.00	1	6.00	0.04	0.06	1	6.00	0.04	0.06
Nitrogen From Urea, Other		005.99	1	5.81	0.01	0.01	1	5.81	0.01	0.01
Method Group 005.XX PCT			2	5.90	0.12	0.04	2	5.90	0.12	0.04
Ammon & Nitrate N, Devarda	892.01	009.10	1	9.00	0.14	0.20	1	9.00	0.14	0.20
Total Nitrogen, Modified Comprehensive	978.02	010.11	9	9.28	0.11	0.07	9	9.28	0.11	0.07
Total Nitrogen, Salicylic	955.04D	010.12	2	9.24	0.03	0.04	2	9.24	0.03	0.04
Total Nitrogen, Combustion		010.60	57	9.25	0.20	0.06	56	9.25	0.20	0.05
Total Nitrogen, Other		010.99	5	9.39	0.24	0.09	5	9.39	0.24	0.09
Method Group 010.XX PCT			73	9.26	0.19	0.06	71	9.26	0.19	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	6	6.06	0.05	0.05	6	6.06	0.05	0.05
Total Phosphate, Spectrometric	958.01	020.20	17	6.04	0.16	0.06	16	6.04	0.16	0.05
Total Phosphate, Automated	978.01	020.40	5	6.03	0.07	0.03	5	6.03	0.07	0.03
Total Phosphate, ICP		020.50	10	6.20	0.28	0.08	11	6.26	0.33	0.07
Method Group 020.XX PCT			39	6.10	0.21	0.06	36	6.10	0.21	0.05
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.20	0.21	0.30	1	0.20	0.21	0.30
Insoluble Phosphate, ICP		030.50	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Method Group 030.XX PCT			2	0.10	0.17	0.15	2	0.10	0.17	0.15
InDir Available Phosphate, Spectrometri	960.02	040.20	2	3.30	2.91	0.20	2	3.30	2.91	0.20
InDir Available Phosphate, ICP		040.50	2	6.09	0.07	0.02	2	6.09	0.07	0.02
Method Group 040.XX PCT			4	4.70	2.42	0.11	3	4.32	2.74	0.02
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	12	6.10	0.05	0.03	11	6.11	0.05	0.03
Dir Available Phosphate, Alka Quim	960.03C	041.30	1	6.01	0.00	0.00	1	6.01	0.00	0.00
Dir Available Phosphate, Automated	978.01	041.40	4	5.97	0.12	0.12	3	5.98	0.06	0.03
Dir Available Phosphate, ICP		041.50	8	6.03	0.13	0.07	8	6.03	0.13	0.07
Dir Available Phosphate, EDTA Extract .	993.01	041.60	8	6.05	0.16	0.06	8	6.05	0.16	0.06
Method Group 041.XX PCT			35	6.04	0.13	0.06	34	6.04	0.13	0.05
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	6.01	0.06	0.08	1	6.01	0.06	0.08
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	0.12	0.01	0.01	1	0.12	0.01	0.01
Method Group 048.XX PCT			2	3.06	3.40	0.05	2	3.06	3.40	0.05
Soluble Potash, STPB Oxalate	958.02	050.00	19	8.28	0.33	0.12	18	8.28	0.33	0.10
Soluble Potash, STPB Citrate	969.04	050.10	2	8.39	0.23	0.23	2	8.39	0.23	0.23
Soluble Potash, AA (Oxalate)		050.30	12	8.16	0.37	0.09	12	8.16	0.37	0.09
Soluble Potash, AA (Citrate)		050.31	1	8.09	0.01	0.01	1	8.09	0.01	0.01
Soluble Potash, ICP (Oxalate)		050.50	7	8.21	0.31	0.09	7	8.21	0.31	0.09
Soluble Potash, ICP (Citrate)		050.51	9	8.01	0.31	0.11	9	8.01	0.31	0.11
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	3	7.94	0.28	0.07	3	7.94	0.28	0.07

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Soluble Potash, Flame (Citrate)	983.02(b)	050.61	7	8.18	0.13	0.09	7	8.18	0.13	0.09
Soluble Potash, Other		050.99	14	8.08	0.22	0.11	13	8.11	0.20	0.09
Method Group 050.XX PCT			74	8.16	0.31	0.11	70	8.17	0.30	0.09
Acid Soluble Calcium, ICP		101.30	7	0.43	0.77	0.01	6	0.41	0.84	0.01
Acid Soluble Magnesium, ICP		121.30	4	0.03	0.05	0.00	3	0.00	0.00	0.00
Sulfur, Gravimetric	980.02a	144.01	8	0.02	0.02	0.01	8	0.02	0.02	0.01
Sulfur, Gravimetric	980.02b	144.02	2	0.04	0.01	0.01	2	0.04	0.01	0.01
Sulfur, Other		144.99	8	0.03	0.02	0.01	7	0.03	0.02	0.00
Method Group 144.XX PCT			18	0.02	0.02	0.01	18	0.02	0.02	0.01
Arsenic, ICP		151.30	1	47.60	1.70	2.40	1	47.60	1.70	2.40
Acid Soluble Boron, Spectrometric	982.01	165.00	7	0.021	0.005	0.001	6	0.021	0.005	0.000
Acid Soluble Boron, Other		165.99	19	0.024	0.003	0.001	17	0.023	0.003	0.001
Method Group 165.XX PCT			26	0.023	0.004	0.001	24	0.023	0.004	0.001
Water Soluble Boron, Spectrometric	982.01	171.10	1	0.020	0.000	0.000	1	0.020	0.000	0.000
Water Soluble Boron, Other		171.99	2	0.028	0.004	0.001	2	0.028	0.004	0.001
Method Group 171.XX PCT			3	0.026	0.005	0.000	3	0.026	0.005	0.000
Cadmium, ICP		181.30	2	0.81	0.91	0.10	2	0.81	0.91	0.10
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	0.17	0.00	0.00	1	0.17	0.00	0.00
Chromium, ICP		191.30	5	1.18	0.66	0.24	5	1.18	0.66	0.24
Chromium, Other		191.99	1	0.61	0.16	0.22	1	0.61	0.16	0.22
Method Group 191.XX PPM			6	1.08	0.64	0.23	6	1.08	0.64	0.23
Acid Soluble Cobalt, ICP	965.11	202.30	3	3.11	4.75	0.04	3	3.11	4.75	0.04
Acid Soluble Copper, Atomic Absorption	975.01	221.00	14	0.0389	0.0014	0.0009	14	0.0389	0.0014	0.0009
Acid Soluble Copper, Titrimetric	942.01	221.10	1	0.0378	0.0000	0.0000	1	0.0378	0.0000	0.0000
Acid Soluble Copper, ICP		221.30	22	0.0389	0.0016	0.0003	21	0.0388	0.0015	0.0002
Acid Soluble Copper, Other		221.99	2	0.0393	0.0009	0.0001	2	0.0393	0.0009	0.0001
Method Group 221.XX PCT			39	0.0389	0.0015	0.0005	35	0.0389	0.0015	0.0003
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	15	0.06	0.01	0.00	15	0.06	0.01	0.00
Acid Soluble Iron, ICP		241.30	28	0.07	0.01	0.00	23	0.06	0.01	0.00
Method Group 241.XX PCT			44	0.07	0.01	0.00	37	0.06	0.01	0.00
Lead, ICP		251.30	3	0.44	0.43	0.01	3	0.44	0.43	0.01
Lead, Other		251.99	1	0.46	0.00	0.00	1	0.46	0.00	0.00
Method Group 251.XX PPM			4	0.45	0.37	0.01	4	0.45	0.37	0.01
Acid Soluble Manganese, AA	972.02a	261.00	13	0.051	0.002	0.001	12	0.050	0.002	0.001
Acid Soluble Manganese, AA	972.02b	261.11	2	0.052	0.002	0.000	2	0.052	0.002	0.000
Acid Soluble Manganese, ICP	972.02a	261.30	23	0.053	0.004	0.002	20	0.053	0.003	0.001
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.053	0.003	0.001	2	0.053	0.003	0.001
Acid Soluble Manganese, Other		261.99	4	0.052	0.003	0.001	4	0.052	0.003	0.001
Method Group 261.XX PCT			45	0.052	0.003	0.002	41	0.052	0.003	0.001

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Water Soluble Manganese, Atomic Abs ...	972.03	271.00	2	0.050	0.002	0.001	2	0.050	0.002	0.001
Water Soluble Manganese, ICP	972.03	271.30	2	0.060	0.000	0.000	2	0.060	0.000	0.000
Method Group 271.XX PCT			4	0.055	0.005	0.000	4	0.055	0.005	0.000
Mercury, Other		281.99	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Molybdenum, ICP		289.30	11	11.83	1.45	0.64	10	11.67	1.30	0.33
Molybdenum, Other		289.99	1	13.45	0.07	0.10	1	13.45	0.07	0.10
Method Group 289.XX PPM			12	11.96	1.46	0.59	11	11.83	1.34	0.31
Nickel, ICP		291.30	2	14.60	16.69	0.05	2	14.60	16.69	0.05
Nickel, Other		291.99	1	0.50	0.01	0.02	1	0.50	0.01	0.02
Method Group 291.XX PPM			3	9.90	14.83	0.04	3	9.90	14.83	0.04
Sodium, Other		311.99	4	0.24	0.28	0.00	4	0.24	0.28	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	18	0.050	0.005	0.002	17	0.050	0.004	0.001
Acid Soluble Zinc, ICP		321.30	28	0.050	0.004	0.001	26	0.050	0.004	0.001
Acid Soluble Zinc, Other		321.99	2	0.054	0.001	0.001	2	0.054	0.001	0.001
Method Group 321.XX PCT			48	0.050	0.004	0.001	45	0.050	0.004	0.001
Water Soluble Zinc, ICP		325.30	1	0.062	0.000	0.000	1	0.062	0.000	0.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.60 PCT			Meth: 010.XX PCT		
Ammoniacal Nitrogen			Total Nitrogen			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Combustion</u>			<u>Combustion</u>		
288	0.13	.71	090	9.49	1.96	007	9.35	.57	095	9.03	-1.14	390	9.38	.63
			288	9.34	.65	381	9.34	.46	096	9.01	-1.21	405	9.27 R	.57
Meth: 001.99 PCT			029			296			422			300		
Ammoniacal Nitrogen			Avg			234			291			049		
<u>Other</u>			211			043			451			288		
405	3.61	.87	416	9.25	-.34	029	9.30	.26	377	8.78	-2.37	381	9.34	.40
Avg	1.88		371	9.27	-.49	106	9.28	.26	230	8.82 s	-2.49	296	9.34	.38
096	0.16	-.87	220	9.24	-.63	292	9.30	.23	177	8.74	-2.57	234	9.30	.32
			405	9.27	-1.05	131	9.27	.23				043	9.30	.32
Meth: 001.XX PCT			322			041			Meth: 010.99 PCT			371		
<u>Ammoniacal Nitrogen</u>			309			009			Total Nitrogen			029		
405	3.61	1.29	Meth: 010.12 PCT			389			<u>Other</u>			106		
Avg	1.30		Total Nitrogen			057			354			131		
096	0.16	-.64	<u>Salicylic</u>			231			072			029		
288	0.13	-.65	185	9.26	.67	040	9.27	.10	Avg	9.39		041	9.28	.18
			Avg	9.24		361	9.25	.08	300	9.35	-.27	292	9.30	.17
Meth: 005.00 PCT			137			Avg			255			389		
Nitrogen From Urea			9.23			372			9.22			009		
<u>Urease (as N)</u>			-1.02			394			9.13			211		
288	6.00	.71	Meth: 010.60 PCT			325			Meth: 010.XX PCT			231		
			Total Nitrogen			425			<u>Total Nitrogen</u>			040		
Meth: 005.99 PCT			<u>Combustion</u>			233			351			Avg		
Nitrogen From Urea			351			023			9.94 s			185		
<u>Other</u>			072			426			9.76			416		
027	5.81	.71	409	9.65	2.02	073	9.18	-.32	072	9.66	2.04	361	9.25	-.09
			136	9.61	1.82	162	9.19	-.37	409	9.65	2.01	372	9.25	-.10
Meth: 005.XX PCT			037			232			136			372		
<u>Nitrogen From Urea</u>			027			324			9.61			394		
288	6.00	.88	027	9.55	1.49	055	9.18	-.50	037	9.58	1.65	325	9.25	-.12
Avg	5.90		102	9.54	1.47	028	9.15	-.54	027	9.55	1.46	057	9.25	-.14
027	5.81	-.85	450	9.46	1.16	307	9.21 R	-.59	102	9.54	1.44	425	9.23	-.17
			444	9.47	1.10	157	9.13	-.61	072	9.49	1.27	137	9.23	-.24
Meth: 009.10 PCT			360			369			450			233		
Ammon & Nitrate N			114			262			9.46			220		
<u>Devarda</u>			035			034			9.47			255		
030	9.00	.71	247	9.38	.69	018	9.06	-.98	444	9.47	1.05	023	9.21	-.32
			390	9.38	.67	423	9.04	-1.10	360	9.43	.95	426	9.18	-.41
			049	9.36	.57				114	9.41	.79	073	9.18	-.41

* 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>			Meth: 020.20 PCT <u>Total Phosphate</u> <u>Spectrometric</u>			Meth: 020.50 PCT <u>Total Phosphate</u> <u>ICP</u>			Meth: 020.XX PCT <u>Total Phosphate</u>			Meth: 040.20 PCT <u>InDir Available Phos</u> <u>Spectrometri</u>		
162	9.19	-.44	425	6.72 s	4.24	361	6.67	1.24	090	6.04	-.32	220	5.82	.87
232	9.18	-.46	232	6.26	1.33	247	6.56	.91	042	6.05	-.33	Avg	3.30	
324	9.18	-.48	381	6.23	1.25	390	6.38	.47	405	6.04	-.33	372	0.79	-.86
055	9.18	-.57	292	6.23	1.21	300	6.40	.43	262	6.06	-.34			
028	9.15	-.63	416	6.16	.70	Avg	6.20		371	6.02	-.37			
307	9.21 R	-.63	262	6.06	.39	423	6.15	-.34	049	6.02	-.37	Meth: 040.50 PCT <u>InDir Available Phos</u>		
157	9.13	-.70	231	6.08	.23	255	6.03	-.70	114	6.02	-.37	<u>ICP</u>		
322	9.13	-.71	420	6.07	.20	291	5.98	-.88	324	6.02	-.43	423	6.15	.86
420	9.13	-.72	450	6.07	.16	389	5.95	-.96	220	6.02	-.44	Avg	6.09	
369	9.11	-.82	Avg	6.04		444	5.96	-.97	035	5.98	-.56	255	6.03	-.87
262	9.09	-.92	177	6.04	-.03	422	5.94	-1.00	291	5.98	-.60			
034	9.07	-.99	371	6.02	-.16				030	6.00 R	-.66			
018	9.06	-1.08	324	6.02	-.29	Meth: 020.XX PCT <u>Total Phosphate</u>			409	5.95	-.71	Meth: 040.XX PCT <u>InDir Available Phos</u>		
423	9.04	-1.21	220	6.02	-.35	432	7.44 s	6.34	234	5.96	-.72	423	6.15	.67
095	9.03	-1.24	234	5.96	-.66	426	6.88 s	3.68	389	5.95	-.74	255	6.03	.62
096	9.01	-1.31	030	6.00	-.69	444	6.71 s	2.91	422	5.94	-.78	220	5.82 R	.55
422	9.00	-1.35	369	5.91	-.85	444	6.71 s	2.91	444	5.96	-.79	Avg	4.32	
291	8.95	-1.63	451	5.90 R	-1.15	425	6.72	2.90	369	5.91	-.89	372	0.79	-1.29
451	8.82	-2.28	309	5.60	-2.84	361	6.67	2.69	451	5.90 R	-1.07			
377	8.78	-2.51	230	5.58 s	-3.39	247	6.56	2.18	309	5.60	-2.37	Meth: 041.10 PCT <u>Dir Available Phosph</u> <u>Grav Quimociac</u>		
230	8.82 s	-2.62	372	0.83 s	-32.94	230	6.40	1.42	230	5.58 s	-2.75	137	6.64 s	11.30
177	8.74	-2.71				300	6.40	1.42	372	0.83 s	-24.79	233	6.16	1.29
309	2.51 s	-35.04				390	6.38 R	1.40				185	6.17	1.27
			Meth: 020.40 PCT <u>Total Phosphate</u> <u>Automated</u>			232	6.26	.74	Meth: 030.20 PCT <u>Insoluble Phosphate</u> <u>Spectrometric</u>			055	6.13	.68
Meth: 020.10 PCT <u>Total Phosphate</u> <u>Grav Quimociac</u>			394	6.14	1.41	381	6.23	.69	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			296	6.13	.56
444	6.71 s	12.41	042	6.05	.73	292	6.23	.65	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			041	6.12	.53
157	6.14	1.85	096	6.05	.23	157	6.14	.31	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			211	6.12	.23
095	6.08	.39	Avg	6.03		416	6.16	.27	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			Avg	6.11	
Avg	6.06		035	5.98	-.74	423	6.15	.25	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			029	6.09	-.33
090	6.04	-.60	409	5.95	-1.18	394	6.14	.17	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			009	6.09	-.39
114	6.02	-.68				Avg	6.10		Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			072	6.09	-.54
049	6.02	-.68	Meth: 020.50 PCT <u>Total Phosphate</u> <u>ICP</u>			231	6.08	-.10	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			072	6.09	-.54
405	6.04	-.80	432	7.44 S	3.59	095	6.08	-.11	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			040	6.08	-.58
			426	6.88 S	1.88	450	6.07	-.13	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			260	6.05 R	-1.74
						420	6.07	-.20	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			131	6.00	-2.29
						096	6.05	-.23	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>			102	5.85 s	-5.72
						177	6.04	-.26	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>					
						255	6.03	-.32	Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>					
									Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>					
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									Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>					
									Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>					
									Meth: 030.50 PCT <u>Insoluble Phosphate</u> <u>ICP</u>					

* 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: 041.10 PCT			Meth: 041.60 PCT			Meth: 041.XX PCT			Meth: 050.00 PCT			Meth: 050.31 PCT		
Dir Available Phosph			Dir Available Phosph			Dir Available Phosph			Soluble Potash			Soluble Potash		
<u>Grav Quimociac</u>			<u>EDTA Extract</u>			<u>106 6.00 -0.47</u>			<u>STPB Oxalate</u>			<u>AA (Citrate)</u>		
322	5.78 s	-6.97	296	6.09	.28	354	5.98	-.53	416	8.27	-.03	095	8.09	.71
Meth: 041.30 PCT			028 6.03 -.17			377 5.96 -.77			090 8.22 -.27			Meth: 050.50 PCT		
Dir Available Phosph			106 6.00 -.40			291 5.95 -.85			211 8.15 -.40			Soluble Potash		
<u>Alka Quim</u>			351 5.93 -.77			351 5.93 -.93			057 8.16 -.44			<u>ICP (Oxalate)</u>		
073	6.01	.00	024	5.79	-1.62	027	5.91	-1.06	055	8.14	-.47	292	8.59	1.26
Meth: 041.40 PCT			Meth: 041.XX PCT			072 5.96 R -1.70			043 8.12 -.51			426 8.39 .61		
Dir Available Phosph			<u>Dir Available Phosph</u>			043 5.84 -1.71			233 8.11 -.53			106 8.33 .41		
<u>Automated</u>			023 8.23 s 17.44			024 5.79 -2.02			296 8.10 -.54			307 8.23 .30		
029	6.02	.67	361	6.67 s	5.01	322	5.78	-2.11	029	8.07	-.63	324	8.27	.26
131	6.02	.63	137	6.64 s	4.74	Meth: 048.10 PCT			372	8.05	-.69	Avg	8.21	
Avg	5.98		018	6.35	2.47	Water Soluble Phosph			231	8.00	-.83	422	8.06	-.51
027	5.91	-1.29	009	6.24	1.58	<u>Grav Quimociac</u>			049	8.00	-.89	420	7.60	-1.99
072	5.96 R	-3.48	185	6.17	.98	405 6.01 .71			Meth: 050.10 PCT			Meth: 050.51 PCT		
Meth: 041.50 PCT			233	6.16	.96	Meth: 048.20 PCT			Soluble Potash			Soluble Potash		
Dir Available Phosph			325	6.15	.82	Water Soluble Phosph			<u>STPB Citrate</u>			<u>ICP (Citrate)</u>		
<u>ICP</u>			007	6.09	.76	<u>Spectrometric</u>			322	8.50	.50	432	10.17 S	6.93
023	8.23 s	16.57	296	6.13	.71	420 0.12 .71			Avg	8.39		361	8.57	1.81
361	6.67 S	4.80	055	6.13	.69	Meth: 048.XX PCT			444	8.28	-1.12	389	8.30	.93
009	6.24	1.55	043	6.12	.67	Water Soluble Phosph			Meth: 050.30 PCT			007	8.20	.64
325	6.15	.84	041	6.12	.64	405 6.01 .87			Soluble Potash			009	8.02	.27
007	6.09	.75	211	6.12	.58	Avg 3.06			<u>AA (Oxalate)</u>			Avg	8.01	
360	6.09	.42	037	6.10	.51	420 0.12 -.87			137	8.55	1.04	377	8.00	-.07
Avg	6.03		260	6.05	.44	Meth: 050.00 PCT			040	8.45	.78	043	7.97	-.15
354	5.98	-.44	296	6.09	.40	Soluble Potash			425	8.44	.76	291	7.71	-1.00
377	5.96	-.67	009	6.09	.39	<u>STPB Oxalate</u>			073	8.41	.71	096	7.72	-1.11
291	5.95	-.75	360	6.09	.38	114 9.00 2.15			451	8.29	.37	444	7.63	-1.27
043	5.84	-1.56	029	6.09	.38	381 8.99 2.14			234	8.23	.20	423	6.60 S	-4.56
Meth: 041.60 PCT			072	6.09	.36	230 8.73 1.43			Meth: 050.60 PCT			Soluble Potash		
Dir Available Phosph			040	6.08	.31	102 8.57 .90			<u>Flame (Oxalate)</u>			055 8.14 .70		
<u>EDTA Extract</u>			Avg	6.04		072 8.31 R .65			136 8.16 -.03			131 8.10 .58		
018	6.35	1.91	028	6.03	-.18	220 8.46 .55			262 8.10 -.18			Avg 7.94		
043	6.12	.49	131	6.02	-.22	Avg 8.28			351 8.08 -.23					
037	6.10	.37	029	6.02	-.25				428 7.52 -1.76					
			073	6.01	-.26				185 7.35 -2.21					
			131	6.00	-.37									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	
Meth: 050.60 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 144.01 PCT			
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Sulfur			
<u>Flame (Oxalate)</u>			<u>Flame (Oxalate)</u>			<u>Flame (Oxalate)</u>			<u>Flame (Oxalate)</u>			<u>Gravimetric</u>			
157	7.59	-1.29	432	10.17 s	6.63	211	8.15	-.09	185	7.35	-2.73	262	0.00	-.82	
309	6.93 S	-3.64	030	9.00 s	4.58	055	8.14	-.14	309	6.93 s	-4.14	Meth: 144.02 PCT			
Meth: 050.61 PCT			Meth: 050.61 PCT			Meth: 050.61 PCT			Meth: 101.30 PCT			Sulfur			
Soluble Potash			Soluble Potash			Soluble Potash			Acid Soluble Calcium			<u>Gravimetric</u>			
<u>Flame (Citrate)</u>			<u>Flame (Citrate)</u>			<u>Flame (Citrate)</u>			<u>ICP</u>			043 2.60 S 198.70			
030	9.00 s	10.20	114	9.00	2.74	035	8.16	-.22	232	2.20	2.13	029	0.05	.87	
018	8.35	1.53	381	8.99	2.73	043	8.12	-.24	422	0.52 R	.13	Avg	0.04		
024	8.34	1.15	230	8.73	1.93	262	8.10	-.24	Avg	0.41		114	0.03	-.87	
037	8.20	.42	292	8.59	1.41	131	8.10	-.24	405	0.26	-.18	Meth: 144.99 PCT			
Avg	8.18		102	8.57	1.35	095	8.09	-.25	420	0.01	-.48	Sulfur			
041	8.16	-.19	361	8.57	1.35	055	8.14	-.25	057	0.00	-.49	<u>Other</u>			
035	8.16	-.50	137	8.55	1.25	296	8.10	-.25	009	0.00	-.49	232	8.86 s	439.67	
029	8.04	-1.06	322	8.50	1.10	057	8.16	-.25	433	0.00	-.49	027	0.08	2.17	
028	8.04	-1.12	220	8.46	.97	131	8.09	-.26	Meth: 121.30 PCT			422	0.04	.41	
Meth: 050.99 PCT			Meth: 050.99 PCT			Meth: 050.99 PCT			Acid Soluble Magnesi			Avg			
Soluble Potash			Soluble Potash			Soluble Potash			<u>ICP</u>			0255 0.03 -.30			
<u>Other</u>			<u>Other</u>			<u>Other</u>			232 3.07 s0694.14			009 0.02 -.40			
247	8.36	1.24	426	8.39	.74	042	8.05	-.43	422 0.11 R 364.23	390 0.02 -.40			231 0.02 -.56		
177	8.34	1.16	018	8.35	.72	029	8.04	-.43	Avg	0.00	1.28	450 0.02 R -.77			
325	8.30	.95	247	8.36	.61	028	8.04	-.46	009	0.00	-.53	023 0.01 -.94			
232	8.30	.94	177	8.34	.56	072	8.15	-.50	433	0.00	-.76	Meth: 144.XX PCT			
390	8.22	.82	106	8.33	.54	231	8.00	-.56	Meth: 144.01 PCT			<u>Sulfur</u>			
072	8.15	.78	390	8.22	.44	377	8.00	-.57	Sulfur			232 8.86 s 445.08			
Avg	8.11		451	8.29	.44	009	8.02	-.59	Gravimetric			043 2.60 s 129.73			
131	8.09	-.14	389	8.30	.43	049	8.00	-.66	095	0.05	1.81	027 0.08 2.57			
360	8.10	-.20	325	8.30	.42	394	7.97	-.68	296	0.03	.92	095 0.05 1.30			
042	8.05	-.37	232	8.30	.41	043	7.97	-.68	137	0.03	.76	029 0.05 1.07			
394	7.97	-.71	324	8.27	.36	255	7.90	-.89	Avg	0.02		422 0.04 .79			
255	7.90	-1.02	307	8.23	.36	009	7.91	-.93	040	0.01	-.61	296 0.03 .58			
027	7.87	-1.20	416	8.27	.33	027	7.87	-1.01	028	0.01	-.62	137 0.03 .29			
354	7.75	-1.84	090	8.22	.26	354	7.75	-1.43	028	0.01	-.62	114 0.03 .25			
260	7.74 R	-2.05	007	8.20	.22	291	7.71	-1.55	029	0.00	-.82	255 0.03 .13			
Meth: 050.99 PCT			Meth: 050.99 PCT			Meth: 050.99 PCT			Meth: 144.01 PCT			Avg			
Soluble Potash			Soluble Potash			Soluble Potash			Sulfur			0.02			
<u>Other</u>			<u>Other</u>			<u>Other</u>			<u>Gravimetric</u>			0.02			
247	8.36	1.24	234	8.23	.22	096	7.72 R	-1.62	095	0.05	1.81	Avg			
177	8.34	1.16	037	8.20	.20	444	7.63	-1.83	296	0.03	.92	0.02			
325	8.30	.95	Avg	8.17		420	7.60	-1.90	137	0.03	.76	0.02			
232	8.30	.94	041	8.16	-.05	157	7.59	-1.96	040	0.01	-.61	0.02			
390	8.22	.82	136	8.16	-.05	428	7.52	-2.17	028	0.01	-.62	0.02			
072	8.15	.78							Meth: 144.01 PCT			0.02			
Avg	8.11								Sulfur			0.02			
131	8.09	-.14							Gravimetric			0.02			
360	8.10	-.20							095 0.05 1.81			0.02			
042	8.05	-.37							296 0.03 .92			0.02			
394	7.97	-.71							137 0.03 .76			0.02			
255	7.90	-1.02							Avg			0.02			
027	7.87	-1.20							040			0.01			
354	7.75	-1.84							028			0.01			
260	7.74 R	-2.05							029			0.00			
									444			0.00			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 144.XX PCT Sulfur</u>			<u>Meth: 165.99 PCT Acid Soluble Boron Other</u>			<u>Meth: 165.XX PCT Acid Soluble Boron</u>			<u>Meth: 190.00 PCT Water Soluble Chlori Titrimetric</u>			<u>Meth: 221.00 PCT Acid Soluble Copper Atomic Absorption</u>		
009	0.02	-.03	043	0.025	.72	255	0.022	-.18	422	0.17	.00	137	0.0500 s	7.73
390	0.02	-.05	300	0.025	.45	444	0.021	-.53				351	0.0416	1.89
231	0.02	-.20	360	0.025	.45	028	0.021	-.53				177	0.0400	1.05
450	0.02	-.55	409	0.024	.39	106	0.020	-.73	<u>Meth: 191.30 PPM Chromium ICP</u>			095	0.0400	.79
023	0.01	-.59	042	0.024	.26	296	0.020	-.73	232	86.25 s	128.42	262	0.0400	.79
040	0.01	-.88	324	0.024	.09	423	0.020	-.80	450	2.00	1.24	030	0.0400	.79
028	0.01	-1.00	Avg	0.023		009	0.020	-.84	444	1.55	.66	296	0.0395	.56
444	0.00	-1.22	040	0.023	-.31	055	0.017	-1.56	Avg	1.18		Avg	0.0389	
262	0.00	-1.22	231	0.023	-.40	029	0.017	-1.70	009	1.05	-.20	029	0.0384	-.43
029	0.00	-1.22	433	0.022	-.48	220	0.016	-1.83	324	1.10	-.47	371	0.0380	-.60
			255	0.022	-.54				102	0.18	-1.50	028	0.0382	-.62
<u>Meth: 151.30 PPM Arsenic ICP</u>			444	0.021	-.99	<u>Meth: 171.10 PCT Water Soluble Boron Spectrometric</u>						040	0.0380	-.92
232	47.60	.71	106	0.020	-1.30	296	0.020	.00				220	0.0375	-1.01
			423	0.020	-1.39				<u>Meth: 191.99 PPM Chromium Other</u>			055	0.0375	-1.01
			009	0.020	-1.43				409	0.61	.71	450	0.0385	-1.07
						<u>Meth: 171.99 PCT Water Soluble Boron Other</u>						428	0.0370	-1.30
<u>Meth: 165.00 PCT Acid Soluble Boron Spectrometric</u>			<u>Meth: 165.XX PCT Acid Soluble Boron</u>			426	0.032	.87	<u>Meth: 191.XX PPM Chromium</u>			<u>Meth: 221.10 PCT Acid Soluble Copper Titrimetric</u>		
137	0.030	1.68	232	0.269 s	67.56	Avg	0.028		232	86.25 s	133.05	034	0.0378	.00
023	0.026	.86	291	0.045 s	6.29	027	0.025	-.86	450	2.00	1.43			
028	0.021 R	.19	137	0.030	2.01				444	1.55	.81			
Avg	0.021		432	0.030	2.01	<u>Meth: 171.XX PCT Water Soluble Boron</u>			324	1.10	.47	<u>Meth: 221.30 PCT Acid Soluble Copper ICP</u>		
296	0.020	-.15	354	0.030 R	2.00	426	0.032	1.17	Avg	1.08		422	0.0500 s	7.23
055	0.017	-.70	422	0.027 R	1.26	Avg	0.026		009	1.05	-.09	291	0.0450 s	5.12
029	0.017	-.80	049	0.026	.92	027	0.025	-.10	409	0.61	-.76	041	0.0465 s	4.95
220	0.016	-.89	096	0.026	.80	296	0.020	-1.06	102	0.18	-1.41	426	0.0430	2.68
			023	0.026	.79							360	0.0410 R	1.53
			043	0.025	.72	<u>Meth: 181.30 PPM Cadmium ICP</u>						354	0.0400	.74
<u>Meth: 165.99 PCT Acid Soluble Boron Other</u>			300	0.025	.52	232	1.60	.87	<u>Meth: 202.30 PPM Acid Soluble Cobalt ICP</u>			106	0.0400	.74
232	0.269 s	93.23	360	0.025	.52	Avg	0.81		232	9.25	1.29	389	0.0400	.74
291	0.045 s	8.43	409	0.024	.49	102	0.03	-.86	Avg	3.11		027	0.0400	.74
432	0.030	2.51	042	0.024	.39				102	0.06	-.64	292	0.0400	.74
354	0.030 R	2.50	324	0.024	.27				247	0.04	-.65	432	0.0400	.74
422	0.027 R	1.51	040	0.023	.11									
049	0.026	.98	Avg	0.023										
096	0.026	.82	433	0.022	-.14									
			231	0.023	-.14									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 221.30 PCT			Meth: 221.XX PCT			Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.XX PCT		
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>		
ICP			095	0.0400	.78	232	0.0075 s	-21.47	ICP			292	0.08 R	1.99
102	0.0397	.52	292	0.0400	.78				247	0.07	.91	432	0.08 R	1.99
009	0.0391	.24	106	0.0400	.78	Meth: 241.00 PCT			057	0.07 R	.85	426	0.07	1.37
390	0.0392	.24	354	0.0400	.78	<u>Acid Soluble Iron</u>			324	0.07	.45	041	0.07 R	1.16
037	0.0390	.10	027	0.0400	.78	<u>Atomic Absorption</u>			390	0.07	.27	389	0.07	.96
Avg	0.0388		389	0.0400	.78	381	0.58 s	80.70	102	0.06	.18	106	0.07	.96
131	0.0383	-.35	030	0.0400	.78	137	0.08	2.53	420	0.07	.05	030	0.07	.96
057	0.0383	-.36	262	0.0400	.78	030	0.07	.96	Avg	0.06		095	0.07	.96
444	0.0385	-.39	432	0.0400	.78	095	0.07	.96	131	0.06	-.23	247	0.07	.96
423	0.0381	-.51	296	0.0395	.56	029	0.07	.63	300	0.06	-.23	057	0.07 R	.85
420	0.0380	-.55	102	0.0397	.55	037	0.07	.26	360	0.06	-.26	029	0.07	.61
324	0.0377	-.75	009	0.0391	.26	040	0.06	.25	027	0.06	-.30	324	0.07	.51
023	0.0375	-.93	390	0.0392	.25	055	0.06	.12	023	0.06	-.40	390	0.07	.34
231	0.0370	-1.19	037	0.0390	.10	Avg	0.06		009	0.06	-.52	360	0.06	.26
300	0.0365	-1.55	Avg	0.0389		371	0.06	-.11	233	0.06	-.62	040	0.06	.26
255	0.0360	-1.84	409	0.0386	-.21	177	0.06	-.22	049	0.06	-.82	037	0.07	.22
433	0.0336 s	-3.42	131	0.0383	-.38	262	0.06	-.62	096	0.06	-.82	102	0.06	.20
049	0.0350 s	-4.07	057	0.0383	-.39	034	0.06	-.62	444	0.06	-.99	420	0.07	.12
232	0.0075 s	-20.24	029	0.0384	-.41	220	0.06	-.64	433	0.06	-1.13	055	0.06	.09
			444	0.0385	-.42	351	0.06	-.81	231	0.06	-1.16	Avg	0.06	
			423	0.0381	-.55	296	0.06	-.89	255	0.06	-1.43	131	0.06	-.15
Meth: 221.99 PCT			371	0.0380	-.59	043	0.05	-1.74	405	0.00 s	-10.46	371	0.06	-.16
<u>Acid Soluble Copper</u>			420	0.0380	-.59	428	0.04 s	-3.63				300	0.06	-.16
<u>Other</u>			028	0.0382	-.61				Meth: 241.99 PCT			027	0.06	-.22
042	0.0401	.87	034	0.0378	-.72	Meth: 241.30 PCT			<u>Acid Soluble Iron</u>			177	0.06	-.27
Avg	0.0393		324	0.0377	-.80	<u>Acid Soluble Iron</u>			<u>Other</u>			023	0.06	-.31
409	0.0386	-.87	040	0.0380 R	-.90	<u>ICP</u>			042	0.10 S	.00	009	0.06	-.43
			023	0.0375	-.99	232	0.22 s	27.10				233	0.06	-.53
Meth: 221.XX PCT			220	0.0375	-.99	422	0.10 s	6.47	Meth: 241.XX PCT			096	0.06	-.72
<u>Acid Soluble Copper</u>			055	0.0375	-.99	291	0.08 R	3.62	<u>Acid Soluble Iron</u>			049	0.06	-.72
422	0.0500 s	7.66	450	0.0385 R	-1.06	423	0.08	2.92	381	0.58 s	85.96	034	0.06	-.72
137	0.0500 s	7.63	231	0.0370	-1.27	354	0.08 R	2.14	232	0.22 s	26.38	262	0.06	-.72
291	0.0450 s	5.43	428	0.0370	-1.27	292	0.08 R	1.98	422	0.10 s	6.35	220	0.06	-.74
041	0.0465 s	5.25	300	0.0365	-1.65	432	0.08 R	1.98	042	0.10 s	6.04	444	0.06	-.89
426	0.0430	2.84	255	0.0360	-1.95	426	0.07	1.33	291	0.08 R	3.59	351	0.06	-.92
351	0.0416	1.88	433	0.0336 s	-3.63	041	0.07	1.14	423	0.08	2.91	296	0.06	-1.01
360	0.0410 R	1.62	049	0.0350 s	-4.32	106	0.07	.91	137	0.08	2.65	433	0.06	-1.02
177	0.0400 R	1.04	043	0.0310 s	-5.39	389	0.07	.91	354	0.08 R	2.14	231	0.06	-1.06
042	0.0401	.85												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index			
Meth: 241.XX PCT			Meth: 261.00 PCT			Meth: 261.30 PCT			Meth: 261.XX PCT			Meth: 271.00 PCT					
<u>Acid Soluble Iron</u>			<u>Acid Soluble Mangane</u>			<u>Acid Soluble Mangane</u>			<u>Acid Soluble Mangane</u>			<u>Water Soluble Mangan</u>					
255	0.06	-1.31	AA			ICP			390	0.055	1.01	Atomic Abs					
043	0.05	-1.91	Avg	0.050		423	0.053	-.80	354	0.055	.82	220	0.052	.85			
428	0.04 A	-3.93	262	0.050	-.10	049	0.050	-.81	423	0.053	.81	Avg	0.050				
405	0.00 s	-10.08	030	0.050	-.10	300	0.050	-.81	040	0.054	.65	029	0.048	-.89			
			095	0.050	-.10	389	0.050	-.81	177	0.054	.65						
Meth: 251.30 PPM			055	0.050	-.44	096	0.050	-.88	009	0.054	.64	Meth: 271.30 PCT					
<u>Lead</u>			296	0.048	-1.13	444	0.050	-.98	102	0.053	.38	<u>Water Soluble Mangan</u>					
<u>ICP</u>			381	0.048	-1.25	422	0.048	-1.49	420	0.053	.33	<u>ICP</u>					
232	21.00 S	47.95	043	0.048	-1.42				220	0.053	.23	432	0.060	.71			
450	1.00	1.29				Meth: 261.31 PCT			131	0.052	.19	Avg	0.060				
Avg	0.44		Meth: 261.11 PCT			<u>Acid Soluble Mangane</u>			255	0.052	.01	426	0.060	-1.00			
247	0.21	-.54	<u>Acid Soluble Mangane</u>			<u>ICP</u>			027	0.052	.01						
102	0.12	-.74	<u>AA</u>			324			0.056	.86	136	0.052	.01	Meth: 271.XX PCT			
			040	0.054	.86	Avg			0.053		Avg	0.052		<u>Water Soluble Mangan</u>			
Meth: 251.99 PPM			Avg	0.052		231			0.051	-.87	023	0.052	-.22	432	0.060	.94	
<u>Lead</u>			029	0.051	-.87	Meth: 261.99 PCT			037	0.052	-.22	426	0.060	.87			
<u>Other</u>			Meth: 261.30 PCT			<u>Acid Soluble Mangane</u>			029	0.051	-.39	Avg	0.055				
409	0.46	.00	<u>Acid Soluble Mangane</u>			<u>Other</u>			231	0.051	-.50	220	0.052	-.57			
			<u>ICP</u>			042			0.056	1.37	034	0.051	-.50	029	0.048	-1.24	
Meth: 251.XX PPM			232	1.519 s	472.26	255			0.052	.03	360	0.052	-.50				
<u>Lead</u>			432	0.060	2.41	Avg			0.052		351	0.050	-.56	Meth: 281.99 PPM			
232	21.00 s	56.72	291	0.055 R	1.80	037			0.052	-.19	433	0.050	-.60	<u>Mercury</u>			
450	1.00	1.51	292	0.055 R	1.80	409			0.048	-1.25	300	0.050	-.63	<u>Other</u>			
409	0.46	.03	106	0.055 R	1.80	Meth: 261.XX PCT			049	0.050	-.63	049	0.050	-.63	102	0.04	.71
Avg	0.45		041	0.058	1.77	<u>Acid Soluble Mangane</u>			262	0.050	-.63	262	0.050	-.63			
247	0.21	-.65	057	0.055	1.18	232			1.519 s	467.63	030	0.050	-.63	Meth: 289.30 PPM			
102	0.12	-.89	390	0.055	.86	137			0.060	2.56	095	0.050	-.63	<u>Molybdenum</u>			
Meth: 261.00 PCT			354	0.055	.66	432			0.060	2.56	389	0.050	-.63	<u>ICP</u>			
<u>Acid Soluble Mangane</u>			009	0.054	.48	041			0.058	1.92	096	0.050	-.72	255	13.39 R	1.96	
<u>AA</u>			102	0.053	.25	291			0.055 R	1.86	444	0.050	-.80	247	13.20	1.17	
137	0.060 s	5.10	420	0.053	.16	292			0.055 R	1.86	055	0.050	-.80	049	13.00	1.02	
028	0.055 R	2.82	Avg	0.053		106			0.055 R	1.86	296	0.048	-1.27	057	12.45	.78	
177	0.054	1.98	131	0.052	-.13	042			0.056	1.43	422	0.048	-1.30	009	12.40	.56	
220	0.053	1.23	027	0.052	-.16	057			0.055	1.31	381	0.048	-1.30	324	11.85	.24	
136	0.052	.94	023	0.052	-.36	028			0.055 R	1.27	409	0.048	-1.35	433	11.76	.18	
034	0.051	.31	360	0.052	-.58	324			0.056	1.16	043	0.048	-1.43	Avg	11.67		
351	0.050	.06	433	0.050	-.78								102	11.41	-.27		
													444	11.00	-.52		

* 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: 289.30 PPM			Meth: 291.XX PPM			Meth: 321.30 PCT			Meth: 321.99 PCT			Meth: 321.XX PCT		
Molybdenum			<u>Nickel</u>			Acid Soluble Zinc			Acid Soluble Zinc			<u>Acid Soluble Zinc</u>		
<u>ICP</u>			232	29.05	1.29	<u>ICP</u>			<u>Other</u>			444	0.049	-.37
220	11.00	-.52	Avg	9.90		232	0.260 s	52.34	042	0.053	-1.18	360	0.049	-.37
232	8.65	-2.34	409	0.50	-.63	291	0.065 s	4.02				043	0.050	-.37
Meth: 289.99 PPM			102	0.15	-.66	106	0.060	2.57	Meth: 321.XX PCT			423	0.048	-.47
Molybdenum			Meth: 311.99 PCT			432	0.060	2.57	<u>Acid Soluble Zinc</u>			450	0.048	-.60
<u>Other</u>			Sodium			041	0.057 R	2.21	232	0.260 s	50.25	255	0.048	-.60
409	13.45	.71	<u>Other</u>			057	0.053 R	1.20	291	0.065 s	3.80	390	0.047	-.67
Meth: 289.XX PPM			232	0.69	1.61	354	0.054	1.10	137	0.060	2.41	096	0.047	-.72
Molybdenum			Avg	0.24		102	0.053	1.02	106	0.060	2.41	428	0.047	-.80
255	13.39 R	1.82	422	0.13	-.41	422	0.052	.63	136	0.060	2.41	231	0.047	-.84
409	13.45	1.21	102	0.08	-.60	420	0.051	.33	432	0.060	2.41	300	0.047	-.84
247	13.20	1.02	009	0.07	-.61	324	0.051	.20	041	0.057 R	2.07	034	0.047	-.84
049	13.00	.87	Meth: 321.00 PCT			049	0.050	.08	029	0.055	1.13	351	0.047	-.92
057	12.45	.67	Acid Soluble Zinc			292	0.050	.08	057	0.053 R	1.12	296	0.046	-.95
009	12.40	.42	<u>Atomic Absorption</u>			389	0.050	.08	354	0.054	1.00	220	0.044	-1.59
324	11.85	.19	136	0.060	2.25	247	0.050	.07	409	0.054	.98	433	0.043	-1.60
Avg	11.83		137	0.060	2.25	037	0.050	.02	102	0.053	.93	040	0.044 R	-1.86
433	11.76	-.17	029	0.055	1.06	Avg	0.050		042	0.053	.88	307	0.042	-1.95
102	11.41	-.36	027	0.050	-.13	131	0.049	-.10	422	0.052	.55	030	0.035 s	-3.78
444	11.00	-.62	009	0.049	-.23	027	0.050	-.13	420	0.051	.25	Meth: 325.30 PCT		
220	11.00	-.62	360	0.049	-.32	009	0.049	-.23	324	0.051	.13	Water Soluble Zinc		
232	8.65	-2.38	444	0.049	-.32	360	0.049	-.32	389	0.050	.01	<u>ICP</u>		
Meth: 291.30 PPM			Avg	0.050	.02	444	0.049	-.32	095	0.050	.01	426	0.062	.71
Nickel			055	0.050	-.14	023	0.049	-.32	292	0.050	.01			
<u>ICP</u>			423	0.048	-.43	423	0.048	-.43	049	0.050	.01			
232	29.05	.87	255	0.048	-.56	255	0.048	-.56	262	0.050	.01			
Avg	14.60		390	0.047	-.64	390	0.047	-.64	Avg	0.050				
102	0.15	-.87	096	0.047	-.69	096	0.047	-.69	037	0.050	-.05			
Meth: 291.99 PPM			300	0.047	-.81	300	0.047	-.81	247	0.050	-.07			
Nickel			231	0.047	-.81	231	0.047	-.81	028	0.050	-.07			
<u>Other</u>			433	0.043	-1.60	433	0.043	-1.60	131	0.049	-.16			
409	0.50	.71	307	0.042	-1.96	307	0.042	-1.96	055	0.050	-.16			
Meth: 321.99 PCT			351	0.047	-.84	Meth: 321.99 PCT			381	0.050	-.16			
Acid Soluble Zinc			296	0.046	-.87	Acid Soluble Zinc			027	0.050	-.16			
<u>Other</u>			220	0.044	-1.46	<u>Other</u>			177	0.050	-.16			
			040	0.044 R	-1.72				371	0.049	-.23			
			030	0.035 s	-3.50				009	0.049	-.28			
									023	0.049	-.37			

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

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.99	2	0.00	1.22	0.02	144.XX	19	30.26	104.76	0.49
001.XX	3	0.00	1.12	0.02	165.00	7	0.004	0.956	0.085
005.XX	2	0.00	1.20	0.19	165.99	21	4.997	20.319	0.547
010.11	10	- 6.41	20.28	0.43	165.XX	28	2.736	12.794	0.348
010.12	2	0.00	0.83	0.64	171.99	2	0.000	1.218	0.094
010.60	59	0.02	1.11	0.24	171.XX	3	0.000	1.116	0.056
010.99	5	0.00	1.03	0.22	181.30	2	0.00	1.22	0.08
010.XX	74	- 0.48	4.21	0.25	181.XX	2	0.00	1.22	0.08
020.10	7	1.74	4.67	1.02	191.30	6	21.40	52.44	0.23
020.20	20	- 1.63	7.52	0.47	191.XX	7	19.01	50.30	0.23
020.40	5	0.00	0.99	0.34	202.30	3	0.00	1.12	0.01
020.50	12	0.30	1.41	0.18	202.XX	3	0.00	1.12	0.01
020.XX	43	- 0.36	4.10	0.40	221.00	16	0.1416	2.5816	0.4274
030.XX	2	0.00	0.84	0.63	221.30	28	- 0.308	4.4668	0.8908
040.20	2	0.00	1.22	0.05	221.99	2	0.0000	1.2235	0.0395
040.50	2	0.00	1.20	0.17	221.XX	47	- 0.148	3.9214	0.7699
040.XX	4	0.14	0.95	0.04	241.00	17	4.53	19.67	0.22
041.10	15	- 0.17	3.94	0.58	241.30	31	1.04	5.46	0.39
041.40	4	- 0.11	0.90	1.74	241.XX	49	2.47	12.94	0.34
041.50	10	2.14	5.36	0.32	251.30	4	11.90	23.82	2.89
041.60	8	0.00	1.01	0.21	251.XX	5	11.26	25.20	3.06
041.XX	32	0.81	3.39	0.41	261.00	14	0.539	1.729	0.423
048.XX	2	0.00	1.22	0.01	261.11	2	0.000	1.222	0.056
050.00	19	0.00	0.97	0.24	261.30	24	19.770	96.343	2.826
050.10	2	0.00	0.71	0.70	261.31	2	0.000	1.211	0.128
050.30	12	0.00	1.01	0.14	261.99	4	0.000	1.063	0.164
050.50	7	0.00	1.03	0.16	261.XX	46	10.245	68.915	2.026
050.51	12	- 0.39	3.36	0.22	271.00	2	0.000	1.196	0.185
050.60	4	- 0.91	2.03	0.14	271.30	2	0.000	1.000	0.500
050.61	8	0.76	2.32	2.92	271.XX	4	0.000	1.078	0.055
050.99	14	- 0.13	1.05	0.40	289.30	11	0.12	1.04	0.47
050.XX	72	- 0.10	1.77	0.50	289.XX	12	0.10	1.02	0.44
101.30	7	0.02	0.96	0.01	291.30	2	0.00	1.22	0.00
101.XX	7	0.02	0.96	0.01	291.XX	3	0.00	1.12	0.00
121.30	5	2211.5	4744.3	39.90	311.99	4	0.00	1.08	0.01
121.XX	5	2211.5	4744.3	39.90	311.XX	4	0.00	1.08	0.01
144.01	8	0.00	0.99	0.28	321.00	19	- 0.244	1.239	0.394
144.02	3	66.23	114.71	1.38	321.30	30	1.959	9.590	0.407
144.99	9	48.79	146.58	0.21	321.99	2	0.000	0.438	0.809

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.XX	51	1.004	7.138	0.398					