

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

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	1	0.05	0.00	0.00	1	0.05	0.00	0.00
Ammoniacal Nitrogen, Other		001.99	3	0.11	0.06	0.00	3	0.11	0.06	0.00
Method Group 001.XX PCT			4	0.09	0.06	0.00	4	0.09	0.06	0.00
Nitrate Nitrogen, Other		002.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Nitrogen From Urea, Urease (as N)	959.03	005.00	1	0.72	0.00	0.00	1	0.72	0.00	0.00
Nitrogen From Urea, Other		005.99	2	0.92	0.31	0.08	2	0.92	0.31	0.08
Method Group 005.XX PCT			3	0.85	0.26	0.05	3	0.85	0.26	0.05
Percent Urea, Other		007.99	1	0.69	0.01	0.01	1	0.69	0.01	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	1	1.52	0.00	0.00	1	1.52	0.00	0.00
Ammon & Nitrate N, Other		009.99	1	0.29	0.01	0.01	1	0.29	0.01	0.01
Method Group 009.XX PCT			2	0.90	0.71	0.00	2	0.90	0.71	0.00
Total Nitrogen, Modified Comprehensive	978.02	010.11	9	2.31	0.12	0.03	10	2.34	0.16	0.02
Total Nitrogen, Salicylic	955.04D	010.12	4	2.28	0.17	0.00	3	2.32	0.19	0.00
Total Nitrogen, Raney	970.03	010.16	1	2.24	0.00	0.00	1	2.24	0.00	0.00
Total Nitrogen, Combustion		010.60	45	2.22	0.13	0.05	41	2.23	0.11	0.04
Total Nitrogen, Other		010.99	4	2.17	0.11	0.08	4	2.17	0.11	0.08
Method Group 010.XX PCT			63	2.23	0.13	0.05	59	2.24	0.12	0.04
Total Phosphate, Grav Quimociac	962.02	020.10	6	4.03	0.17	0.02	6	4.03	0.17	0.02
Total Phosphate, Spectrometric	958.01	020.20	14	4.08	0.11	0.03	13	4.08	0.11	0.02
Total Phosphate, Automated	978.01	020.40	6	4.00	0.10	0.04	6	4.00	0.10	0.04
Total Phosphate, ICP		020.50	7	4.10	0.13	0.05	6	4.12	0.12	0.03
Total Phosphate, Other		020.99	2	3.91	0.13	0.09	2	3.91	0.13	0.09
Method Group 020.XX PCT			35	4.05	0.13	0.04	33	4.06	0.12	0.03
Insoluble Phosphate, ICP		030.50	1	0.00	0.00	0.00	1	0.00	0.00	0.00
InDir Available Phosphate, ICP		040.50	1	4.03	0.05	0.07	1	4.03	0.05	0.07
InDir Available Phosphate, Other		040.99	1	4.00	0.00	0.00	1	4.00	0.00	0.00
Method Group 040.XX PCT			2	4.01	0.03	0.04	2	4.01	0.03	0.04
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	11	4.01	0.05	0.03	11	4.01	0.05	0.03
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	4.01	0.04	0.05	1	4.01	0.04	0.05
Dir Available Phosphate, Automated	978.01	041.40	4	4.01	0.09	0.07	4	4.01	0.09	0.07
Dir Available Phosphate, ICP		041.50	10	4.02	0.11	0.06	10	4.02	0.11	0.06
Dir Available Phosphate, EDTA Extract .	993.01	041.60	9	4.06	0.06	0.07	9	4.06	0.06	0.07
Dir Available Phosphate, Other		041.99	1	4.09	0.01	0.02	1	4.09	0.01	0.02
Method Group 041.XX PCT			37	4.02	0.08	0.06	37	4.02	0.08	0.06
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	0.14	0.01	0.02	1	0.14	0.01	0.02
Soluble Potash, STPB Oxalate	958.02	050.00	14	8.22	0.29	0.04	14	8.22	0.29	0.04
Soluble Potash, AA (Oxalate)		050.30	7	7.98	0.20	0.10	7	7.98	0.20	0.10
Soluble Potash, ICP (Oxalate)		050.50	7	8.07	0.32	0.20	7	8.07	0.32	0.20
Soluble Potash, ICP (Citrate)		050.51	6	8.11	0.12	0.04	6	8.11	0.12	0.04

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Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	2	8.01	0.23	0.05	2	8.01	0.23	0.05
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	9	8.19	0.18	0.07	9	8.19	0.18	0.07
Soluble Potash, Other		050.99	12	8.07	0.13	0.07	11	8.09	0.09	0.05
Method Group 050.XX PCT			60	8.11	0.27	0.08	56	8.12	0.26	0.06
Acid Soluble Calcium, AA	945.04	101.00	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Acid Soluble Calcium, ICP		101.30	4	0.00	0.00	0.00	4	0.00	0.00	0.00
Method Group 101.XX PCT			5	0.00	0.00	0.00	5	0.00	0.00	0.00
Acid Soluble Magnesium, AA	984.01	121.00	1	2.54	0.01	0.02	1	2.54	0.01	0.02
Acid Soluble Magnesium, ICP		121.30	3	0.00	0.00	0.00	3	0.00	0.00	0.00
Method Group 121.XX PCT			4	0.64	1.18	0.01	3	0.00	0.00	0.00
Sulfur, Gravimetric	980.02a	144.01	12	1.50	0.44	0.06	11	1.48	0.45	0.04
Sulfur, Gravimetric	980.02b	144.02	3	1.55	0.25	0.14	3	1.55	0.25	0.14
Sulfur, Other		144.99	14	1.72	0.18	0.07	13	1.71	0.17	0.05
Method Group 144.XX PCT			30	1.58	0.36	0.07	27	1.58	0.37	0.05
Acid Soluble Boron, Spectrometric	982.01	165.00	8	0.021	0.003	0.002	8	0.021	0.003	0.002
Acid Soluble Boron, Other		165.99	19	0.023	0.003	0.001	19	0.023	0.003	0.001
Method Group 165.XX PCT			27	0.022	0.003	0.001	25	0.023	0.002	0.001
Water Soluble Boron, Other		171.99	1	0.025	0.000	0.000	1	0.025	0.000	0.000
Cadmium, ICP		181.30	1	0.03	0.00	0.01	1	0.03	0.00	0.01
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	1.29	0.01	0.01	1	1.29	0.01	0.01
Water Soluble Chlorine, Other		190.99	1	0.76	0.01	0.02	1	0.76	0.01	0.02
Method Group 190.XX PCT			2	1.02	0.30	0.02	2	1.02	0.30	0.02
Chromium, ICP		191.30	3	0.61	0.15	0.04	3	0.61	0.15	0.04
Acid Soluble Cobalt, ICP	965.11	202.30	1	0.04	0.00	0.01	1	0.04	0.00	0.01
Acid Soluble Copper, Atomic Absorption	975.01	221.00	9	0.0367	0.0040	0.0011	8	0.0371	0.0041	0.0007
Acid Soluble Copper, ICP		221.30	29	0.0381	0.0019	0.0007	27	0.0381	0.0019	0.0006
Acid Soluble Copper, Other		221.99	2	0.0366	0.0007	0.0002	2	0.0366	0.0007	0.0002
Method Group 221.XX PCT			40	0.0377	0.0026	0.0008	37	0.0378	0.0025	0.0006
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	8	0.06	0.00	0.00	8	0.06	0.00	0.00
Acid Soluble Iron, ICP		241.30	28	0.06	0.00	0.00	25	0.06	0.00	0.00
Acid Soluble Iron, Other		241.99	2	0.06	0.00	0.01	2	0.06	0.00	0.01
Method Group 241.XX PCT			38	0.06	0.00	0.00	36	0.06	0.00	0.00
Lead, ICP		251.30	1	0.39	0.01	0.01	1	0.39	0.01	0.01
Acid Soluble Manganese, AA	972.02a	261.00	7	0.052	0.005	0.001	7	0.052	0.005	0.001
Acid Soluble Manganese, AA	972.02b	261.11	1	0.051	0.004	0.006	1	0.051	0.004	0.006
Acid Soluble Manganese, ICP	972.02a	261.30	25	0.052	0.004	0.001	24	0.052	0.003	0.001
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.053	0.002	0.001	2	0.053	0.002	0.001
Acid Soluble Manganese, Other		261.99	5	0.051	0.001	0.001	5	0.051	0.001	0.001
Method Group 261.XX PCT			40	0.052	0.004	0.001	38	0.052	0.004	0.001

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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
Molybdenum, ICP		289.30	12	12.37	1.36	0.52	11	12.31	1.37	0.39
Molybdenum, Other		289.99	2	12.68	0.78	0.05	2	12.68	0.78	0.05
Method Group 289.XX PPM			14	12.41	1.28	0.45	13	12.36	1.29	0.34
Nickel, ICP		291.30	1	0.14	0.00	0.01	1	0.14	0.00	0.01
Sodium, Other		311.99	4	0.07	0.06	0.00	4	0.07	0.06	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	9	0.047	0.003	0.001	7	0.046	0.002	0.000
Acid Soluble Zinc, ICP		321.30	28	0.050	0.003	0.001	28	0.050	0.003	0.001
Acid Soluble Zinc, Other		321.99	1	0.047	0.001	0.001	1	0.047	0.001	0.001
Method Group 321.XX PCT			39	0.049	0.004	0.001	36	0.049	0.004	0.001
Water Soluble Zinc, Other		325.99	1	0.073	0.000	0.000	1	0.073	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: 005.XX PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.99 PCT		
Ammoniacal Nitrogen			<u>Nitrogen From Urea</u>			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			309 1.18 1.27			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Other</u>		
232	0.05	-.71	Avg	0.85		260	2.22	-.79	231	2.26	.26	409	2.12	-.68
Meth: 001.99 PCT			232 0.72 -.52			029 2.19 -1.00			035 2.25 .21			030 2.04 -1.30		
Ammoniacal Nitrogen			029 0.66 -.79			Meth: 010.12 PCT			055 2.25 .17			Meth: 010.XX PCT		
<u>Other</u>			Meth: 007.99 PCT			Total Nitrogen			292 2.25 .17			<u>Total Nitrogen</u>		
105	0.19	1.29	Percent Urea			<u>Salicylic</u>			102 2.24 .09			460 2.66 s 3.48		
Avg	0.11		<u>Other</u>			254 2.56 1.27			Avg 2.23			254 2.56 2.65		
096	0.07	-.56	027	0.69	-.71	Avg 2.32			040 2.22 -.11			455 2.53 2.37		
420	0.06	-.72	Meth: 009.10 PCT			397 2.23 -.45			330 2.20 -.24			309 2.52 2.33		
Meth: 001.XX PCT			Ammon & Nitrate N			351 2.19 R -.67			007 2.20 -.24			037 2.39 R 1.47		
<u>Ammoniacal Nitrogen</u>			<u>Devarda</u>			185 2.16 -.82			029 2.20 -.26			073 2.41 1.42		
105	0.19	1.61	257	1.52	.00	Meth: 010.16 PCT			291 2.20 -.30			136 2.41 1.37		
Avg	0.09		Meth: 009.99 PCT			Total Nitrogen			234 2.22 -.33			368 2.39 1.26		
096	0.07	-.36	Ammon & Nitrate N			<u>Raney</u>			106 2.19 -.40			023 2.38 1.17		
420	0.06	-.53	<u>Other</u>			300 2.24 .00			324 2.23 -.40			428 2.38 1.17		
232	0.05	-.71	105	0.29	-.71	Meth: 010.60 PCT			262 2.17 -.56			157 2.33 .90		
Meth: 002.99 PCT			Meth: 009.XX PCT			Total Nitrogen			233 2.17 -.62			027 2.32 .78		
Nitrate Nitrogen			Ammon & Nitrate N			<u>Combustion</u>			247 2.16 -.87			354 2.33 .74		
<u>Other</u>			257 1.52 .87			037 2.39 R 1.69			177 2.12 -1.06			325 2.33 .72		
232	0.00	.71	Avg	0.90		073 2.41 1.66			131 2.11 -1.09			043 2.27 .66		
Meth: 005.00 PCT			105 0.29 -.87			136 2.41 1.61			057 2.11 -1.11			296 2.31 .61		
Nitrogen From Urea			Meth: 010.11 PCT			368 2.39 1.48			230 2.14 R -1.12			072 2.31 .58		
<u>Urease (as N)</u>			Total Nitrogen			023 2.38 1.39			377 2.09 -1.28			211 2.30 .50		
232	0.72	.71	<u>Modified Comprehensi</u>			368 2.39 1.48			255 2.08 -1.31			360 2.30 .48		
Meth: 005.99 PCT			460 2.66 S 1.99			428 2.38 1.38			041 2.04 -1.72			095 2.28 .37		
Nitrogen From Urea			455 2.53 1.15			157 2.33 1.08			426 2.05 -1.73			420 2.28 .36		
<u>Other</u>			309 2.52 1.12			027 2.32 .95			042 2.04 R -2.04			090 2.28 .35		
309	1.18	.85	Avg	2.31		354 2.33 .91			034 1.92 -2.77			114 2.26 .19		
Avg	0.92		211	2.30	-.27	325 2.33 .90			232 1.83 A -3.57			028 2.25 .19		
029	0.66	-.88	090	2.28	-.40	296 2.31 .77			405 1.06 s -10.54			231 2.26 .14		
Meth: 001.99 PCT			114 2.26 -.53			043 2.27 .76			Meth: 010.99 PCT			035 2.25 .13		
Ammoniacal Nitrogen			105 2.25 -.63			072 2.31 .75			Total Nitrogen			105 2.25 .13		
<u>Other</u>			416 2.24 X -.65			360 2.30 .63			Avg 2.17			416 2.24 X .08		
309	1.18	.85	Meth: 010.11 PCT			095 2.28 .51			420 2.28 .95			371 2.25 .06		
Avg	0.92		Total Nitrogen			028 2.25 .28			371 2.25 .67			055 2.25 .06		
029	0.66	-.88	<u>Modified Comprehensi</u>			009 2.23 .27			Avg 2.17			292 2.25 .06		
Meth: 001.99 PCT			460 2.66 S 1.99			Meth: 010.60 PCT			Meth: 010.99 PCT			300 2.24 .01		
Ammoniacal Nitrogen			455 2.53 1.15			Total Nitrogen			Total Nitrogen					
<u>Other</u>			309 2.52 1.12			<u>Combustion</u>			<u>Other</u>					
309	1.18	.85	Avg	2.31		037 2.39 R 1.69			420 2.28 .95					
Avg	0.92		211	2.30	-.27	073 2.41 1.66			371 2.25 .67					
029	0.66	-.88	090	2.28	-.40	136 2.41 1.61			Avg 2.17					
Meth: 002.99 PCT			105 2.25 -.63			368 2.39 1.48			Meth: 010.99 PCT					
Nitrate Nitrogen			416 2.24 X -.65			023 2.38 1.39			Total Nitrogen					
<u>Other</u>						368 2.39 1.48			Avg 2.17					
232	0.00	.71				428 2.38 1.38								
Meth: 005.00 PCT						157 2.33 1.08								
Nitrogen From Urea						027 2.32 .95								
<u>Urease (as N)</u>						354 2.33 .91								
232	0.72	.71				325 2.33 .90								
Meth: 005.99 PCT						296 2.31 .77								
Nitrogen From Urea						043 2.27 .76								
<u>Other</u>						072 2.31 .75								
309	1.18	.85				360 2.30 .63								
Avg	0.92					095 2.28 .51								
029	0.66	-.88				028 2.25 .28								
Meth: 001.99 PCT						009 2.23 .27								
Ammoniacal Nitrogen						Meth: 010.60 PCT								
<u>Other</u>						Total Nitrogen								
309	1.18	.85				<u>Combustion</u>								
Avg	0.92					037 2.39 R 1.69								
029	0.66	-.88				073 2.41 1.66								
Meth: 002.99 PCT						136 2.41 1.61								
Nitrate Nitrogen						368 2.39 1.48								
<u>Other</u>						023 2.38 1.39								
232	0.00	.71				368 2.39 1.48								
Meth: 005.00 PCT						428 2.38 1.38								
Nitrogen From Urea						157 2.33 1.08								
<u>Urease (as N)</u>						027 2.32 .95								
232	0.72	.71				354 2.33 .91								
Meth: 005.99 PCT						325 2.33 .90								
Nitrogen From Urea						296 2.31 .77								
<u>Other</u>						043 2.27 .76								
309	1.18	.85				072 2.31 .75								
Avg	0.92					360 2.30 .63								
029	0.66	-.88				095 2.28 .51								
Meth: 001.99 PCT						028 2.25 .28								
Ammoniacal Nitrogen						009 2.23 .27								
<u>Other</u>						Meth: 010.60 PCT								
309	1.18	.85				Total Nitrogen								
Avg	0.92					<u>Combustion</u>								
029	0.66	-.88				037 2.39 R 1.69								
Meth: 002.99 PCT						073 2.41 1.66								
Nitrate Nitrogen						136 2.41 1.61								
<u>Other</u>						368 2.39 1.48								
232	0.00	.71				023 2.38 1.39								
Meth: 005.00 PCT						368 2.39 1.48								
Nitrogen From Urea						428 2.38 1.38								
<u>Urease (as N)</u>						157 2.33 1.08								
232	0.72	.71				027 2.32 .95								
Meth: 005.99 PCT						354 2.33 .91								
Nitrogen From Urea						325 2.33 .90								
<u>Other</u>						296 2.31 .77								
309	1.18	.85				043 2.27 .76								
Avg	0.92					072 2.31 .75								
029	0.66	-.88				360 2.30 .63								
Meth: 001.99 PCT						095 2.28 .51								
Ammoniacal Nitrogen						028 2.25 .28								
<u>Other</u>						009 2.23 .27								
309	1.18	.85				Meth: 010.60 PCT								
Avg	0.92					Total Nitrogen								
029	0.66	-.88				<u>Combustion</u>								
Meth: 002.99 PCT						037 2.39 R 1.69								
Nitrate Nitrogen						073 2.41 1.66								
<u>Other</u>						136 2.41 1.61								
232	0.00	.71				368 2.39 1.48								
Meth: 005.00 PCT						023 2.38 1.39								
Nitrogen From Urea						368 2.39 1.48								
<u>Urease (as N)</u>						428 2.38 1.38								
232	0.72	.71				157 2.33 1.08								
Meth: 005.99 PCT						027 2.32 .95								
Nitrogen From Urea						354 2.33 .91								
<u>Other</u>						325 2.33 .90								
309	1.18	.85				296 2.31 .77								
Avg	0.92					043 2.27 .76								
029	0.66	-.88				072 2.31 .75								
Meth: 001.99 PCT						360 2.30 .63								
Ammoniacal Nitrogen						095 2.28 .51								
<u>Other</u>						028 2.25 .28								
309	1.18	.85				009 2.23 .27								
Avg	0.92					Meth: 010.60 PCT								
029	0.66	-.88				Total Nitrogen								
Meth: 002.99 PCT						<u>Combustion</u>								
Nitrate Nitrogen						037 2.39 R 1.69								
<u>Other</u>						073 2.41 1.66								
232	0.00	.71				136 2.41 1.61								
Meth: 005.00 PCT						368 2.39 1.48								
Nitrogen From Urea						023 2.38 1.39								
<u>Urease (as N)</u>						368 2.39 1.48								
232	0.72	.71				428 2.38 1.38								
Meth: 005.99 PCT						157 2.33 1.08								
Nitrogen From Urea						027 2.32 .95								
<u>Other</u>						354 2.33 .91								
309	1.18	.85				325 2.33 .90								
Avg	0.92					296 2.31 .77								
029	0.66	-.88				043 2.27 .76								
Meth: 001.99 PCT						072 2.31 .75								
Ammoniacal Nitrogen						360 2.30 .63								
<u>Other</u>						095 2.28 .51								
309	1.18	.85				028 2.25 .28								
Avg	0.92					009 2.23 .27								
029	0.66	-.88				Meth: 010.60 PCT								
Meth: 002.99 PCT						Total Nitrogen								
Nitrate Nitrogen						<u>Combustion</u>								
<u>Other</u>						037 2.39 R 1.69								

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 020.10 PCT			Meth: 020.40 PCT			Meth: 020.XX PCT			Meth: 040.99 PCT		
<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>InDir Available Phos</u>		
Avg	2.24		Grav Quimociac			Automated			057	4.09	.24	Other		
102	2.24	-.05	114	4.21	1.05	024	3.89	-1.15	090	4.09	.20	405	4.00	.00
096	2.23	-.08	041	4.13	.57	042	3.86	-1.44	247	4.08	.13	Meth: 040.XX PCT		
397	2.23	-.08	057	4.09	.35	Meth: 020.50 PCT			096	4.07	.11	<u>InDir Available Phos</u>		
040	2.22	-.20	090	4.09	.32	<u>Total Phosphate</u>			177	4.07	.08	255	4.03	1.16
260	2.22	-.23	Avg	4.03		<u>ICP</u>			292	4.07	.08	Avg	4.01	
009	2.23	-.26	117	3.97	-.34	426	4.71 s	4.83	409	4.06	.08	405	4.00	-.39
330	2.20	-.32	262	3.70	-1.93	432	4.34	1.78	Avg	4.06		Meth: 041.10 PCT		
007	2.20	-.32	Meth: 020.20 PCT			057	4.18	.48	291	4.02	-.33	<u>Dir Available Phosph</u>		
029	2.20	-.33	<u>Total Phosphate</u>			368	4.13	.15	234	4.03	-.34	<u>Grav Quimociac</u>		
234	2.22	-.35	<u>Spectrometric</u>			Avg	4.12		255	4.03	-.38	009	4.08	1.46
291	2.20	-.36	257	8.06 s	36.05	255	4.03	-.77	460	4.05	-.41	136	4.06	.94
324	2.23	-.39	324	4.35	2.46	291	4.02	-.79	035	4.04	-.41	105	4.05	.77
351	2.19	-.43	231	4.21	1.16	231	4.01	-.93	455	4.01	-.44	055	4.04	.67
029	2.19	-.45	428	4.20	1.08	330	4.00 R	-1.25	405	4.00	-.48	040	4.03	.26
106	2.19	-.47	232	4.10	.27	Meth: 020.99 PCT			258	4.00	-.48	Avg	4.01	
262	2.17	-.62	Avg	4.08		<u>Total Phosphate</u>			231	4.01	-.48	131	4.01	-.18
185	2.16	-.66	292	4.07	-.07	<u>Other</u>			420	3.99	-.61	211	4.00	-.25
233	2.17	-.66	177	4.07	-.08	455	4.01	.71	371	3.99	-.63	185	4.00	-.32
247	2.16	-.87	409	4.06	-.19	Avg	3.91		117	3.97	-.70	254	4.01	-.60
177	2.12	-1.07	234	4.03	-.51	157	3.82	-.99	416	3.97 X	-.76	260	3.98	-.81
409	2.12	-1.10	460	4.05 R	-.52	Meth: 020.XX PCT			330	4.00 R	-.94	072	3.90	-2.27
230	2.14 R	-1.11	258	4.00	-.71	<u>Total Phosphate</u>			024	3.89	-1.37	102	3.88 s	-3.08
131	2.11	-1.11	258	4.00	-.71	257	8.06 s	32.05	042	3.86	-1.61	Meth: 041.20 PCT		
057	2.11	-1.12	405	4.00	-.71	426	4.71 s	5.21	157	3.82 R	-2.06	<u>Dir Available Phosph</u>		
377	2.09	-1.28	420	3.99	-.84	324	4.35	2.33	262	3.70	-2.89	<u>Spectrometric</u>		
255	2.08	-1.30	371	3.99	-.88	432	4.34	2.21	309	0.19 s	-31.04	030	4.01	.71
041	2.04	-1.69	416	3.97 X	-1.03	114	4.21	1.21	Meth: 030.50 PCT			Meth: 041.40 PCT		
426	2.05	-1.69	309	0.19 s	-35.25	231	4.21	1.17	<u>Insoluble Phosphate</u>			<u>Dir Available Phosph</u>		
030	2.04	-1.77	Meth: 020.40 PCT			428	4.20	1.10	<u>ICP</u>			<u>Automated</u>		
042	2.04 R	-1.97	<u>Total Phosphate</u>			057	4.18	.92	255	0.00	.71	Meth: 040.50 PCT		
034	1.92	-2.65	<u>Automated</u>			368	4.13	.60	<u>InDir Available Phos</u>			Meth: 041.40 PCT		
232	1.83 A	-3.38	095	4.10	.94	041	4.13	.56	<u>ICP</u>			<u>Automated</u>		
405	1.06 s	-9.79	247	4.08	.71	095	4.10	.35	255	4.03	.71	027	4.10	1.10
			096	4.07	.66	232	4.10	.35				029	4.03	.14
			035	4.04	.54							131	4.02	.06
			Avg	4.00								Avg	4.01	

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 041.40 PCT			Meth: 041.99 PCT			Meth: 041.XX PCT			Meth: 050.30 PCT			Meth: 050.51 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>		
<u>Automated</u>			<u>Other</u>			<u>055</u>			<u>AA (Oxalate)</u>			<u>ICP (Citrate)</u>		
072	3.92	-1.51	230	2.13	S-138.62	072	3.90	-1.54	040	8.16	.90	096	7.31	s -6.57
095	0.33	s -42.58				072	3.92	-1.70	234	8.07	.51			
Meth: 041.50 PCT			Meth: 041.XX PCT			354			136			Meth: 050.60 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			354			136			<u>Soluble Potash</u>		
<u>ICP</u>			007			230			043			<u>Flame (Oxalate)</u>		
007	4.17	1.70	007	4.17	2.13	095	0.33	s -45.63	073	7.73	-1.39	460	9.15	S 4.97
009	4.11	.92	028	4.13	1.34				185	7.70	-1.45	030	8.21	.87
360	4.07	.77	009	4.11	1.10	Meth: 048.20 PCT			Meth: 050.31 PCT			Meth: 050.61 PCT		
377	4.07	.53	034	4.10	1.09	<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>		
Avg	4.02		027	4.10	1.07	<u>Spectrometric</u>			<u>AA (Citrate)</u>			<u>Flame (Citrate)</u>		
291	4.02	-.14	106	4.07	1.04	420			254			028		
023	4.00	-.32	360	4.07	.93	0.14			7.19			8.46		
043	3.97	-.50	351	4.09	.88	Meth: 050.00 PCT			Meth: 050.50 PCT			095		
325	4.00	-.65	105	4.09	.83	<u>Soluble Potash</u>			<u>Soluble Potash</u>			105		
055	3.93	-.81	009	4.08	.79	<u>STPB Oxalate</u>			<u>ICP (Oxalate)</u>			Avg		
354	3.82	-1.85	233	4.07	.61	114			420			041		
			043	4.07	.59	8.85			8.42			8.18		
			377	4.07	.59	257			324			024		
			296	4.03	.50	072			106			029		
			136	4.06	.45	055			292			131		
			105	4.05	.35	009			157			035		
			055	4.04	.34	043			055			034		
			040	4.03	.07	Avg			354			Meth: 050.99 PCT		
			029	4.03	.07	258			426			<u>Soluble Potash</u>		
			Avg	4.02		090			Meth: 050.51 PCT			<u>Other</u>		
			131	4.02	-.12	397			<u>Soluble Potash</u>			455		
			073	4.01	-.21	416			<u>ICP (Citrate)</u>			177		
			291	4.02	-.21	233			432			325		
			131	4.01	-.23	057			007			368		
			211	4.00	-.29	211			009			232		
			185	4.00	-.31	231			291			Avg		
			030	4.01	-.38	102			8.15			131		
			254	4.01	-.41	230			8.11			360		
			023	4.00	-.47	Meth: 050.30 PCT			043			072		
			260	3.98	-.62	<u>Soluble Potash</u>			377			042		
			043	3.97	-.74	<u>AA (Oxalate)</u>			023					
			325	4.00	-.88	262			7.94					
			105	3.97	-1.09	8.19			-1.44					

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 101.00 PCT			Meth: 121.XX PCT			Meth: 144.99 PCT		
Soluble Potash			Soluble Potash			Acid Soluble Calcium			Acid Soluble Magnesi			Sulfur		
<u>Other</u>			<u>Other</u>			<u>AA</u>			<u>R1584.15</u>			<u>Other</u>		
105	8.06	-.63	024	8.11	-.02	105	0.00	.71	262	2.54	1.29	255	1.77	.38
255	8.00	-1.01	090	8.11	-.08	095	0.00		095	0.00		231	1.76	.32
371	7.94	-1.68	232	8.11	-.12	Avg	0.00		232	0.00	X	232	1.75	.26
260	7.82	R -3.33	131	8.09	-.16	Meth: 101.30 PCT			041	0.00		027	1.74	.21
330	7.75	s -4.00	043	8.07	-.18	Acid Soluble Calcium			Meth: 144.01 PCT			368	1.71	.17
			360	8.09	-.18	<u>ICP</u>			Sulfur			360	1.73	.14
			292	8.07	-.19	096	0.02	s 21.32	<u>Gravimetric</u>			Avg	1.71	
			397	8.06	-.23	027	0.00	1.04	405	2.13	1.44	023	1.67	-.23
Meth: 050.XX PCT			131	8.06	-.24	009	0.00	.58	296	1.86	.83	102	1.64	-.36
Soluble Potash			234	8.07	-.24	232	0.00	X .37	055	1.84	.82	409	1.68	-.48
460	9.15	s 3.93	136	8.06	-.24	Avg	0.00		324	1.84	.80	291	1.59	-.74
432	9.10	s 3.74	416	8.06	X -.26	041	0.00	-1.40	106	1.74	R .67	096	1.27	-2.53
114	8.85	2.79	072	8.05	-.26	Meth: 101.XX PCT			114	1.70	.49	354	0.76	s -5.46
257	8.82	2.69	042	8.05	-.27	Acid Soluble Calcium			105	1.62	.32	230	0.47	s -7.13
455	8.73	2.31	105	8.06	-.29	096	0.02	s 21.73	Avg	1.48		Meth: 144.XX PCT		
028	8.46	1.30	377	8.02	-.40	027	0.00	1.16	028	1.39	-.20	<u>Sulfur</u>		
420	8.42	1.24	255	8.00	-.46	009	0.00	.72	095	1.37	-.24	157	3.14	s 4.25
095	8.43	1.19	233	8.00	-.50	232	0.00	X .44	102	0.90	-1.27	405	2.13	1.51
324	8.34	R 1.09	057	7.99	-.50	Avg	0.00		397	0.83	-1.44	377	2.07	1.35
072	8.37	.96	211	7.95	-.64	105	0.00	-.91	057	0.79	-1.53	117	1.98	R 1.15
106	8.33	.81	034	7.95	-.66	041	0.00	-1.28	Meth: 144.02 PCT			296	1.86	.76
105	8.31	.71	023	7.94	-.69	Meth: 121.00 PCT			Sulfur			055	1.84	.75
055	8.30	.70	371	7.94	-.70	Acid Soluble Magnesi			<u>Gravimetric</u>			324	1.84	.72
009	8.29	.64	043	7.93	-.74	<u>AA</u>			233	1.72	.69	106	1.74	R .60
007	8.25	.53	231	7.88	-.93	262	2.54	-.71	043	1.68	.57	009	1.78	.58
177	8.23	.51	157	7.85	-1.08	Meth: 121.30 PCT			Avg	1.55		255	1.77	.53
043	8.24	.49	309	7.81	-1.18	Acid Soluble Magnesi			029	1.25	-1.30	231	1.76	.50
009	8.24	.46	260	7.82	R -1.27	<u>ICP</u>			Meth: 144.99 PCT			232	1.75	.47
035	8.12	.46	055	7.87	R -1.32	095	0.00	1.29	Sulfur			027	1.74	.45
029	8.13	.40	330	7.75	R -1.52	Avg	0.00		<u>Other</u>			360	1.73	.41
030	8.21	.36	073	7.73	-1.57	232	0.00	X -.57	157	3.14	s 8.26	233	1.72	.39
325	8.20	.32	185	7.70	-1.64	041	0.00	-.72	377	2.07	2.11	368	1.71	.38
368	8.19	.28	354	7.62	-1.91	Meth: 144.99 PCT			117	1.98	R 1.74	409	1.68	.36
262	8.19	.27	096	7.31	-3.08	Sulfur			009	1.78	.53	114	1.70	.34
041	8.18	.25	102	7.19	s -3.68	<u>Other</u>			Meth: 144.99 PCT			043	1.68	.32
291	8.15	.19	426	7.17	s -3.70	157 3.14 s 8.26			Sulfur			023	1.67	.28
040	8.16	.17	254	7.19	s -3.71	377 2.07 2.11			Other					
258	8.16	.14	230	5.86	s -8.61	117 1.98 R 1.74			117 1.98 R 1.74					
Avg	8.12					009 1.78 .53			009 1.78 .53					

* 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
<u>Meth: 144.XX PCT Sulfur</u>			<u>Meth: 165.99 PCT Acid Soluble Boron</u>			<u>Meth: 165.XX PCT Acid Soluble Boron</u>			<u>Meth: 191.30 PPM Chromium</u>			<u>Meth: 221.30 PCT Acid Soluble Copper</u>		
102	1.64	.18	Other			296	0.021	-.66	ICP			009	0.0395	.80
105	1.62	.13	042	0.023	.04	106	0.021	-.78	247	0.75	.94	102	0.0395	.75
291	1.59	.12	090	0.023	.04	043	0.021	-.87	009	0.65	.43	230	0.0391	.55
Avg	1.58		Avg	0.023		117	0.020	-.95	Avg	0.61		131	0.0391	.53
028	1.39	-.51	232	0.023	-.11	037	0.021 R	-1.07	102	0.43	-1.20	037	0.0390	.49
095	1.37	-.56	255	0.022	-.23	432	0.020	-1.08	<u>Meth: 202.30 PPM Acid Soluble Cobalt</u>			090	0.0385	.35
096	1.27	-.85	409	0.022	-.35	029	0.020	-1.43	ICP			324	0.0382	.09
029	1.25 R	-.97	009	0.022	-.37	114	0.019	-1.55	102	0.04	-.71	Avg	0.0381	
102	0.90	-1.84	230	0.022	-.53	257	0.015 R	-3.28	<u>Meth: 221.00 PCT Acid Soluble Copper</u>			106	0.0380	-.03
397	0.83	-2.05	291	0.022	-.58	397	0.015 s	-6.27	ICP			360	0.0380	-.03
057	0.79	-2.16	106	0.021	-.84	<u>Meth: 171.99 PCT Water Soluble Boron</u>			<u>Meth: 221.00 PCT Acid Soluble Copper</u>			368	0.0380	-.25
354	0.76	-2.23	043	0.021	-.94	Other			Atomic Absorption			057	0.0374	-.35
230	0.47 s	-3.02	117	0.020	-1.02	027	0.025	.00	460	0.0445	1.81	136	0.0375	-.40
<u>Meth: 165.00 PCT Acid Soluble Boron Spectrometric</u>			<u>Meth: 165.XX PCT Acid Soluble Boron</u>			<u>Meth: 181.30 PPM Cadmium</u>			<u>Meth: 221.30 PCT Acid Soluble Copper</u>			233	0.0373	-.48
428	0.044 s	8.24	428	0.044 s	8.86	ICP			028	0.0405	.84	255	0.0369	-.61
023	0.024	1.02	354	0.029	2.49	102	0.03	.71	371	0.0375	.16	042	0.0365	-.87
037	0.021	.72	433	0.027	1.88	<u>Meth: 190.00 PCT Water Soluble Chlori</u>			Avg	0.0371		157	0.0365 R	-1.14
258	0.023	.67	360	0.026	1.24	Titrimetric			262	0.0370	-.02	095	0.0358	-1.22
055	0.022	.59	368	0.025	1.22	105	1.29	-.71	397	0.0370	-.02	409	0.0355	-1.38
057	0.021	.14	426	0.025	1.10	<u>Meth: 190.99 PCT Water Soluble Chlori</u>			296	0.0365	-.18	232	0.0353	-1.49
296	0.021	.11	136	0.025	.83	Other			105	0.0340 R	-.89	096	0.0350	-1.69
Avg	0.021		023	0.024	.44	009	0.76	.71	043	0.0326	-1.10	291	0.0335	-2.42
029	0.020	-.68	090	0.023	.18	<u>Meth: 190.XX PCT Water Soluble Chlori</u>			428	0.0318 S	-1.48	023	0.0280 s	-5.42
257	0.015	-2.16	042	0.023	.18	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			029	0.0310	-1.50	<u>Meth: 221.99 PCT Acid Soluble Copper</u>		
397	0.015 s	-5.05	232	0.023	.10	ICP			<u>Meth: 221.30 PCT Acid Soluble Copper</u>			Other		
<u>Meth: 165.99 PCT Acid Soluble Boron</u>			Avg	0.023		420	0.0600 s	11.58	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			117	0.0372	.89
354	0.029	2.22	255	0.022	-.12	041	0.0405 R	1.51	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			Avg	0.0366	
433	0.027	1.65	258	0.023	-.21	354	0.0405	1.31	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			114	0.0360	-.84
360	0.026	1.05	409	0.022	-.24	426	0.0402	1.17	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			<u>Meth: 221.XX PCT Acid Soluble Copper</u>		
368	0.025	1.03	009	0.022	-.27	433	0.0402	1.14	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			420	0.0600 s	8.83
426	0.025	.92	230	0.022	-.43	Avg	1.02		<u>Meth: 221.30 PCT Acid Soluble Copper</u>			460	0.0445	2.68
136	0.025	.67	055	0.022	-.48	009	0.76	-.87	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			041	0.0405 R	1.24
<u>Meth: 165.99 PCT Acid Soluble Boron</u>			291	0.022	-.50	<u>Meth: 190.XX PCT Water Soluble Chlori</u>			<u>Meth: 221.30 PCT Acid Soluble Copper</u>			354	0.0405	1.10
354	0.029	2.22	057	0.021	-.64	105	1.29	.87	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			<u>Meth: 221.XX PCT Acid Soluble Copper</u>		
433	0.027	1.65				Avg	1.02		<u>Meth: 221.30 PCT Acid Soluble Copper</u>			420	0.0600 s	8.83
360	0.026	1.05				009	0.76	-.87	<u>Meth: 221.30 PCT Acid Soluble Copper</u>			460	0.0445	2.68
368	0.025	1.03							<u>Meth: 221.30 PCT Acid Soluble Copper</u>			041	0.0405 R	1.24
426	0.025	.92							<u>Meth: 221.30 PCT Acid Soluble Copper</u>			354	0.0405	1.10
136	0.025	.67							<u>Meth: 221.30 PCT Acid Soluble Copper</u>					

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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.XX PCT			Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.XX PCT			Meth: 261.00 PCT				
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Manganese</u>				
028	0.0405	1.09	029	0.0310	-2.72	ICP			027	0.06	.56	AA				
426	0.0402	.99	023	0.0280 s	-3.96	368	0.06	-.44	255	0.06	.53	460	0.062	1.84		
433	0.0402	.97				360	0.06	-.47	296	0.06	.40	257	0.054	.45		
432	0.0400	.89	Meth: 241.00 PCT			233	0.06	-.56	102	0.06	.27	028	0.053	.35		
247	0.0400	.89	<u>Acid Soluble Iron</u>			095	0.06	-.60	230	0.06	.24	Avg	0.052			
027	0.0400	.89	<u>Atomic Absorption</u>			232	0.06	-.61	247	0.06	.24	262	0.052	-.09		
377	0.0396	.76	460	0.08 S	3.48	114	0.06	-.64	Avg	0.06		296	0.049	-.51		
009	0.0395	.72	028	0.07	1.30	041	0.06	-.64	090	0.06	-.11	043	0.048	-.74		
102	0.0395	.68	371	0.06	1.04	157	0.06	-.64	055	0.06	-.11	105	0.044	-1.41		
230	0.0391	.53	296	0.06	.67	409	0.06	-.64	262	0.06	-.11	397	0.005 s	-8.54		
131	0.0391	.51	262	0.06	.35	377	0.06	-.66	368	0.06	-.18					
037	0.0390	.49	Avg	0.06		131	0.06	-.67	233	0.06	-.28	Meth: 261.11 PCT				
090	0.0385	.35	043	0.06	-.27	009	0.06	-.82	117	0.06	-.30	<u>Acid Soluble Manganese</u>				
368	0.0380	.19	397	0.06	-.40	291	0.06	-1.60	232	0.06	-.32	AA				
324	0.0382	.16	029	0.05	-1.12	023	0.05 A	-3.16	095	0.06	-.33	029	0.051	-.71		
360	0.0380	.09	105	0.05	-1.63				360	0.06	-.34					
106	0.0380	.09	428	0.04 S	-3.50	Meth: 241.99 PCT			157	0.06	-.34	Meth: 261.30 PCT				
Avg	0.0378					<u>Acid Soluble Iron</u>			041	0.06	-.34	<u>Acid Soluble Manganese</u>				
057	0.0374	-.15	Meth: 241.30 PCT			<u>Other</u>			409	0.06	-.34	ICP				
371	0.0375	-.23	<u>Acid Soluble Iron</u>			234	0.07	1.12	114	0.06	-.34	420	0.070 s	5.36		
136	0.0375	-.23	ICP			Avg	0.06		131	0.06	-.36	426	0.059	2.21		
117	0.0372	-.24	354	0.09 s	8.67	117	0.06	-.49	377	0.06	-.37	041	0.057 R	1.66		
233	0.0373	-.26	420	0.08 s	5.30	Meth: 241.XX PCT			009	0.06	-.59	433	0.057	1.48		
262	0.0370	-.31	433	0.07	2.70	<u>Acid Soluble Iron</u>			043	0.06	-.64	354	0.057	1.42		
397	0.0370	-.31	426	0.07	2.56	354	0.09 s	7.28	397	0.06	-.76	027	0.056	1.27		
255	0.0369	-.35	042	0.07 R	1.56	420	0.08 s	4.52	291	0.06	-1.13	106	0.056	1.14		
296	0.0365	-.54	324	0.07 R	1.51	460	0.08 s	3.50	029	0.05	-1.61	136	0.053	.50		
042	0.0365	-.54	106	0.07	1.29	433	0.07	2.39	105	0.05	-2.19	090	0.053	.50		
114	0.0360	-.70	136	0.07	.97	426	0.07	2.27	023	0.05	-2.41	247	0.053	.32		
157	0.0365 R	-.78	027	0.06	.53	324	0.07	1.39	428	0.04 s	-4.27	368	0.052	.21		
095	0.0358	-.80	057	0.06	.49	042	0.07 R	1.37	Meth: 251.30 PPM			114	0.052	.11		
409	0.0355	-.92	255	0.06	.43	234	0.07 R	1.37	Lead			096	0.052	.05		
232	0.0353	-1.00	230	0.06	.17	106	0.07	1.24	<u>ICP</u>			Avg	0.052			
096	0.0350	-1.16	102	0.06	.17	028	0.07	1.07				360	0.052	-.15		
105	0.0340 R	-1.69	247	0.06	.10	136	0.07	.96	102			0.39	.71	057	0.051	-.19
291	0.0335	-1.71	Avg	0.06		371	0.06	.88				009	0.051	-.20		
043	0.0326	-2.08	055	0.06	-.26	057	0.06	.57				131	0.051	-.28		
428	0.0318 s	-2.65	090	0.06	-.26							233	0.051	-.33		

* 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: 261.30 PCT			Meth: 261.XX PCT			Meth: 289.30 PPM			Meth: 289.XX PPM			Meth: 321.30 PCT		
<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			<u>Molybdenum</u>			<u>Acid Soluble Zinc</u>		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
377	0.051	-.33	257	0.054	.68	027	15.00 s	4.14	230	12.00	-.29	420	0.062 s	3.42
432	0.050	-.47	324	0.054	.64	433	15.59	2.39	037	12.35	-.50	426	0.058	2.32
055	0.050	-.55	028	0.053	.54	042	13.00 R	.89	106	11.50	-.77	106	0.057	1.96
157	0.049	-.81	136	0.053	.49	255	13.08	.56	057	11.20	-.91	354	0.055	1.54
232	0.048	-1.18	090	0.053	.49	037	12.35	.47	102	10.03	-1.81	136	0.053	.97
102	0.046	-1.58	247	0.053	.32	368	12.80	.42	Meth: 291.30 PPM			009	0.053	.89
291	0.046	-1.63	368	0.052	.22	009	12.50	.16	<u>Nickel</u>			433	0.053	.81
095	0.046	-1.64	114	0.052	.12	232	12.35	.05	<u>ICP</u>			090	0.052	.69
023	0.037 s	-4.24	096	0.052	.07	Avg	12.31		102	0.14	.71	027	0.052	.50
			255	0.052	.05	247	12.00	-.22	Meth: 311.99 PCT			230	0.051	.48
			Avg	0.052		230	12.00	-.24	<u>Sodium</u>			041	0.050	.30
			037	0.052	-.14	106	11.50	-.69	<u>Other</u>			042	0.050	.30
			262	0.052	-.14	057	11.20	-.81	354	0.17	1.62	247	0.051	.27
			360	0.052	-.14	102	10.03	-1.67	Avg	0.07		095	0.050	.06
			230	0.051	-.16	Meth: 289.99 PPM			102	0.04	-.51	432	0.050	.04
			057	0.051	-.17	<u>Molybdenum</u>			009	0.04	-.55	Avg	0.050	
			009	0.051	-.19	<u>Other</u>			232	0.04	-.56	360	0.050	-.18
			131	0.051	-.26	114	64.00 S	65.77	Meth: 321.00 PCT			114	0.049	-.25
			377	0.051	-.30	117	13.35	.87	<u>Acid Soluble Zinc</u>			057	0.049	-.30
			233	0.051	-.31	Avg	12.68		<u>Atomic Absorption</u>			377	0.049	-.34
			409	0.051	-.32	409	12.00	-.86	257	0.073 s	11.75	368	0.049	-.41
			117	0.050	-.34	Meth: 289.XX PPM			460	0.053 R	3.30	232	0.048	-.54
			432	0.050	-.43	<u>Molybdenum</u>			028	0.050	1.77	037	0.048	-.62
			042	0.050	-.51	114	64.00 s	39.99	397	0.048 R	1.35	096	0.048	-.66
			055	0.050	-.51	027	15.00 s	4.38	296	0.048	1.04	233	0.047	-.73
			409	0.051	-.64	433	15.59	2.50	Avg	0.046		157	0.047	-.89
			042	0.050	-1.40	042	13.00 R	.92	371	0.046	-.22	055	0.046	-1.17
						117	13.35	.76	105	0.045	-.51	102	0.046	-1.22
						255	13.08	.56	043	0.044	-.55	409	0.046	-1.36
						368	12.80	.41	029	0.044	-.67	291	0.043	-2.17
						009	12.50	.13	262	0.043	-1.10	023	0.035 s	-4.38
						Avg	12.36		428	0.030 s	-6.92	Meth: 321.99 PCT		
						232	12.35	-.04	<u>Acid Soluble Zinc</u>			<u>Other</u>		
						247	12.00	-.28	117			0.047	.71	
						409	12.00	-.28						

* 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

Meth: 321.XX PCT

Acid Soluble Zinc

257	0.073 s	6.68
420	0.062 A	3.49
426	0.058	2.45
106	0.057	2.10
354	0.055	1.70
460	0.053 R	1.25
136	0.053	1.16
009	0.053	1.08
433	0.053	1.02
090	0.052	.89
027	0.052	.72
230	0.051	.69
247	0.051	.50
042	0.050	.40
041	0.050	.40
368	0.049	.32
095	0.050	.30
432	0.050	.29
028	0.050	.22
360	0.050	.20
114	0.049	.01
Avg	0.049	
057	0.049	-.04
377	0.049	-.09
232	0.048	-.26
296	0.048	-.27
096	0.048	-.38
037	0.048	-.38
233	0.047	-.44
117	0.047	-.49
157	0.047	-.61
397	0.048 R	-.62
055	0.046	-.87
102	0.046	-.90
371	0.046	-.97
409	0.046	-1.05
105	0.045	-1.25
043	0.044	-1.29

Lab Average* Index

Meth: 321.XX PCT

Acid Soluble Zinc

029	0.044	-1.38
262	0.043	-1.65
291	0.043	-1.80
023	0.035 s	-3.89
428	0.030 s	-5.42

Meth: 325.99 PCT

Water Soluble Zinc

Other

257	0.073 X	.00
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Lab Average* Index

Lab Average* Index

* 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	3	0.00	1.12	0.05	165.00	10	0.622	2.868	1.514
001.XX	4	0.00	1.08	0.04	165.99	19	0.000	0.995	0.191
005.99	2	0.00	1.20	0.16	165.XX	29	0.065	2.086	1.054
005.XX	3	0.00	1.10	0.16	190.XX	2	0.000	1.224	0.026
009.XX	2	0.00	1.22	0.00	191.30	3	0.00	1.09	0.20
010.11	10	0.00	1.02	0.09	191.XX	3	0.00	1.09	0.20
010.12	4	- 0.17	0.97	0.00	221.00	10	- 0.202	1.0100	0.2966
010.60	46	- 0.33	1.90	0.35	221.30	31	0.2171	2.5082	0.3322
010.99	4	0.00	0.98	0.40	221.99	2	0.0000	1.1921	0.1987
010.XX	64	- 0.17	1.68	0.30	221.XX	43	0.0386	1.8115	0.3156
020.10	6	0.00	1.04	0.09	241.00	10	0.00	1.84	0.36
020.20	16	0.03	13.05	0.18	241.30	30	0.42	2.12	0.46
020.40	6	0.00	1.02	0.23	241.99	2	0.00	0.69	0.72
020.50	8	0.48	1.98	0.38	241.XX	42	0.30	1.80	0.41
020.99	2	0.00	1.01	0.49	261.00	8	- 1.068	3.168	0.106
020.XX	36	0.08	7.66	0.29	261.30	27	0.098	1.655	0.235
040.XX	2	0.00	0.55	0.77	261.31	2	0.000	1.166	0.266
041.10	12	- 0.22	1.19	0.56	261.99	5	0.000	0.790	0.633
041.40	5	- 8.52	19.06	0.50	261.XX	43	- 0.242	2.415	0.238
041.50	10	0.00	0.94	0.40	289.30	13	0.19	1.07	1.05
041.60	9	0.00	0.77	0.64	289.99	3	21.92	37.98	0.74
041.99	2	- 69.30	98.00	2.06	289.XX	16	2.66	10.01	1.02
041.XX	32	- 2.13	8.99	0.50	311.99	4	0.00	1.08	0.02
050.00	16	- 0.72	2.33	0.24	311.XX	4	0.00	1.08	0.02
050.30	7	0.00	0.98	0.33	321.00	11	0.828	4.420	0.462
050.50	8	- 0.35	1.33	0.42	321.30	30	- 0.032	1.402	0.214
050.51	8	0.19	4.02	0.18	321.XX	42	0.042	1.824	0.231
050.60	3	1.66	2.99	0.16					
050.61	9	0.00	0.97	0.32					
050.99	14	0.02	2.44	0.68					
050.XX	59	- 0.25	1.82	0.35					
101.30	5	4.02	9.02	3.22					
101.XX	6	3.41	8.40	3.00					
121.30	3	0.00	1.12	0.02					
121.XX	4	396.03	792.07	3.12					
144.01	12	0.05	0.99	0.11					
144.02	3	0.00	1.04	0.33					
144.99	17	- 0.16	3.19	0.26					
144.XX	31	0.09	1.32	0.23					