

MAGRUDER - Fertilizer Check Sample No. - 200501 Grade DAP

- Pass 1 Results for 79 Labs - - Pass 2 Results for 79 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avq.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avq.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	10	16.84	0.46	0.12	10	16.84	0.46	0.12
Ammoniacal Nitrogen, Other		001.99	11	17.03	0.67	0.08	10	17.13	0.63	0.06
Method Group 001.XX PCT			21	16.94	0.58	0.10	20	16.97	0.58	0.09
Nitrate Nitrogen, Other		002.99	4	0.08	0.05	0.00	3	0.07	0.06	0.00
Method Group 002.XX PCT			4	0.08	0.05	0.00	3	0.07	0.06	0.00
Percent Urea, Urease (as Urea)	959.03	007.00	1	0.24	0.01	0.01	1	0.24	0.01	0.01
Percent Urea, Other		007.99	1	0.13	0.00	0.00	1	0.13	0.00	0.00
Method Group 007.XX PCT			2	0.18	0.06	0.01	2	0.18	0.06	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	3	17.47	0.10	0.13	3	17.47	0.10	0.13
Ammon & Nitrate N, Other		009.99	1	0.94	0.13	0.18	1	0.94	0.13	0.18
Method Group 009.XX PCT			4	13.34	7.65	0.14	4	13.34	7.65	0.14
Total Nitrogen, Reduced Iron		010.10	2	17.40	0.43	0.03	2	17.40	0.43	0.03
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	17.59	0.23	0.14	6	17.59	0.22	0.07
Total Nitrogen, Salicylic	955.04D	010.12	4	17.26	0.23	0.06	4	17.26	0.23	0.06
Total Nitrogen, Raney	970.03	010.16	1	17.42	0.02	0.03	1	17.42	0.02	0.03
Total Nitrogen, Combustion		010.60	50	17.63	0.25	0.11	49	17.64	0.25	0.10
Total Nitrogen, Other		010.99	4	17.88	0.40	0.07	4	17.88	0.40	0.07
Method Group 010.XX PCT			68	17.61	0.28	0.10	66	17.61	0.28	0.09
Total Phosphate, Grav Quimociac	962.02	020.10	8	47.01	0.37	0.21	8	47.01	0.37	0.21
Total Phosphate, Spectrometric	958.01	020.20	16	46.81	0.62	0.22	15	46.80	0.61	0.14
Total Phosphate, Automated	978.01	020.40	6	46.84	0.57	0.14	6	46.84	0.57	0.14
Total Phosphate, ICP		020.50	5	46.72	1.06	0.25	5	46.72	1.06	0.25
Total Phosphate, Other		020.99	1	46.88	0.09	0.13	1	46.88	0.09	0.13
Method Group 020.XX PCT			37	46.88	0.66	0.24	35	46.84	0.63	0.17
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	1	0.54	0.03	0.04	1	0.54	0.03	0.04
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.25	0.13	0.19	1	0.25	0.13	0.19
Insoluble Phosphate, Automated	978.01	030.40	2	0.59	0.51	0.03	2	0.59	0.51	0.03
Insoluble Phosphate, Other		030.99	2	0.68	0.12	0.07	2	0.68	0.12	0.07
Method Group 030.XX PCT			6	0.55	0.32	0.07	6	0.55	0.32	0.07
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	46.81	0.02	0.03	1	46.81	0.02	0.03
InDir Available Phosphate, Spectrometri	960.02	040.20	2	45.99	1.10	0.24	2	45.99	1.10	0.24
InDir Available Phosphate, Automated ..	960.02	040.40	2	46.24	1.23	0.09	2	46.24	1.23	0.09
InDir Available Phosphate, Other		040.99	1	46.10	0.01	0.01	1	46.10	0.01	0.01
Method Group 040.XX PCT			6	46.23	0.91	0.12	6	46.23	0.91	0.12
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	19	46.85	0.51	0.20	18	46.88	0.50	0.16
Dir Available Phosphate, Spectrometric	960.03D	041.20	4	46.39	0.66	0.26	4	46.39	0.66	0.26
Dir Available Phosphate, Automated	978.01	041.40	3	46.00	1.08	0.19	3	46.00	1.08	0.19
Dir Available Phosphate, ICP		041.50	9	46.47	0.84	0.50	8	46.44	0.83	0.35
Dir Available Phosphate, EDTA Extract .	993.01	041.60	8	46.72	0.38	0.22	8	46.72	0.38	0.22

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Dir Available Phosphate, Other		041.99	2	46.23	0.38	0.01	2	46.23	0.38	0.01
Method Group 041.XX PCT			46	46.60	0.69	0.27	44	46.60	0.69	0.22
Water Soluble Phosphate, Spectrometric	970.01	048.20	5	41.12	0.56	0.35	5	41.12	0.56	0.35
Water Soluble Phosphate, Other		048.99	1	41.58	0.01	0.02	1	41.58	0.01	0.02
Method Group 048.XX PCT			6	41.20	0.54	0.29	6	41.20	0.54	0.29
Soluble Potash, ICP (Oxalate)		050.50	5	0.16	0.05	0.01	5	0.16	0.05	0.01
Soluble Potash, ICP (Citrate)		050.51	3	0.14	0.02	0.01	3	0.14	0.02	0.01
Soluble Potash, Other		050.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Method Group 050.XX PCT			9	0.14	0.06	0.01	9	0.14	0.06	0.01
Free Water, Vacuum Oven	965.08B	060.00	8	1.12	0.15	0.08	8	1.12	0.15	0.08
Free Water, Other		060.99	1	1.22	0.05	0.07	1	1.22	0.05	0.07
Method Group 060.XX PCT			9	1.13	0.15	0.08	9	1.13	0.15	0.08
Acid Soluble Calcium, ICP		101.30	10	0.30	0.03	0.01	10	0.30	0.03	0.01
Acid Soluble Calcium, Other		101.99	1	0.31	0.01	0.01	1	0.31	0.01	0.01
Method Group 101.XX PCT			11	0.30	0.03	0.01	11	0.30	0.03	0.01
Acid Soluble Magnesium, AA	984.01	121.00	1	0.97	0.03	0.04	1	0.97	0.03	0.04
Acid Soluble Magnesium, ICP		121.30	11	0.69	0.03	0.01	10	0.69	0.02	0.01
Method Group 121.XX PCT			12	0.72	0.08	0.02	10	0.69	0.02	0.01
Water Soluble Magnesium, AA		131.00	1	0.04	0.01	0.01	1	0.04	0.01	0.01
Sulfur, Gravimetric	980.02a	144.01	2	1.11	0.01	0.00	2	1.11	0.01	0.00
Sulfur, Other		144.99	9	0.98	0.08	0.02	9	0.98	0.08	0.02
Method Group 144.XX PCT			11	1.00	0.09	0.02	10	1.00	0.09	0.01
Arsenic, Atomic Absorption		151.00	4	13.08	5.29	1.31	4	13.08	5.29	1.31
Arsenic, ICP		151.30	8	15.21	3.67	1.41	8	15.21	3.67	1.41
Arsenic, Other		151.99	1	16.00	0.85	1.20	1	16.00	0.85	1.20
Method Group 151.XX PPM			13	14.62	4.14	1.36	13	14.62	4.14	1.36
Acid Soluble Boron, Other		165.99	5	0.027	0.021	0.003	5	0.027	0.021	0.003
Cadmium, Atomic Absorption		181.00	7	4.47	0.78	0.09	7	4.47	0.78	0.09
Cadmium, ICP		181.30	9	4.92	0.36	0.23	8	4.87	0.31	0.16
Cadmium, Other		181.99	2	4.57	1.32	1.71	2	4.57	1.32	1.71
Method Group 181.XX PPM			19	4.64	0.73	0.33	18	4.66	0.65	0.18
Water Soluble Chlorine, Titrimetric	928.02	190.00	1	0.81	0.01	0.02	1	0.81	0.01	0.02
Chromium, Atomic Absorption		191.00	2	115.00	5.29	4.00	2	115.00	5.29	4.00
Chromium, ICP		191.30	11	110.16	11.06	3.40	11	110.16	11.06	3.40
Chromium, Other		191.99	1	102.60	5.52	7.80	1	102.60	5.52	7.80
Method Group 191.XX PPM			14	110.31	10.34	3.80	14	110.31	10.34	3.80
Acid Soluble Cobalt, AA		202.00	2	4.50	1.29	1.00	2	4.50	1.29	1.00
Acid Soluble Cobalt, ICP	965.11	202.30	9	5.22	0.80	0.17	8	5.11	0.78	0.12
Acid Soluble Cobalt, Other		202.99	3	4.72	0.40	0.37	3	4.72	0.40	0.37

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Method Group 202.XX PPM			14	5.01	0.84	0.33	14	5.01	0.84	0.33
Acid Soluble Copper, Atomic Absorption	975.01	221.00	1	0.0008	0.0001	0.0001	1	0.0008	0.0001	0.0001
Acid Soluble Copper, ICP		221.30	7	0.0002	0.0002	0.0000	5	0.0001	0.0001	0.0000
Acid Soluble Copper, Other		221.99	1	0.0002	0.0000	0.0000	1	0.0002	0.0000	0.0000
Method Group 221.XX PCT			9	0.0003	0.0002	0.0000	8	0.0002	0.0002	0.0000
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	1	1.49	0.00	0.00	1	1.49	0.00	0.00
Acid Soluble Iron, ICP		241.30	13	1.69	0.10	0.02	13	1.69	0.10	0.02
Acid Soluble Iron, Other		241.99	1	1.46	0.11	0.16	1	1.46	0.11	0.16
Method Group 241.XX PCT			15	1.66	0.12	0.03	14	1.67	0.11	0.02
Lead, Atomic Absorption		251.00	4	4.47	4.41	0.30	3	2.12	0.88	0.07
Lead, ICP		251.30	9	3.53	1.86	0.53	9	3.53	1.86	0.53
Lead, Other		251.99	1	2.70	0.57	0.80	1	2.70	0.57	0.80
Method Group 251.XX PPM			14	3.74	2.74	0.48	13	3.14	1.70	0.44
Acid Soluble Manganese, AA	972.02a	261.00	2	0.021	0.003	0.003	2	0.021	0.003	0.003
Acid Soluble Manganese, ICP	972.02a	261.30	9	0.025	0.001	0.001	9	0.025	0.001	0.001
Acid Soluble Manganese, Other		261.99	1	0.021	0.002	0.002	1	0.021	0.002	0.002
Method Group 261.XX PCT			13	0.024	0.003	0.002	12	0.024	0.002	0.001
Mercury, Atomic Absorption		281.00	1	0.13	0.02	0.03	1	0.13	0.02	0.03
Mercury, Other		281.99	1	0.02	0.00	0.00	1	0.02	0.00	0.00
Method Group 281.XX PPM			2	0.07	0.06	0.02	2	0.07	0.06	0.02
Molybdenum, Atomic Absorption		289.00	2	7.90	1.56	0.70	2	7.90	1.56	0.70
Molybdenum, ICP		289.30	9	8.28	1.44	0.89	9	8.28	1.44	0.89
Molybdenum, Other		289.99	1	9.80	0.99	1.40	1	9.80	0.99	1.40
Method Group 289.XX PPM			12	8.34	1.45	0.90	12	8.34	1.45	0.90
Nickel, Atomic Absorption		291.00	3	15.77	2.21	0.87	3	15.77	2.21	0.87
Nickel, ICP		291.30	10	17.12	0.90	0.33	10	17.12	0.90	0.33
Nickel, Other		291.99	2	15.93	0.33	0.55	2	15.93	0.33	0.55
Method Group 291.XX PPM			17	16.77	1.79	0.61	16	16.95	1.66	0.51
Selenium, Atomic Absorption		301.00	1	0.11	0.02	0.03	1	0.11	0.02	0.03
Selenium, ICP		301.30	1	0.28	0.01	0.01	1	0.28	0.01	0.01
Method Group 301.XX PPM			2	0.19	0.10	0.02	2	0.19	0.10	0.02
Sodium, Atomic Absorption	983.04	311.00	1	0.14	0.00	0.00	1	0.14	0.00	0.00
Sodium, Flame Photometric	974.01	311.30	1	0.15	0.00	0.00	1	0.15	0.00	0.00
Sodium, Other		311.99	7	0.17	0.04	0.01	7	0.17	0.04	0.01
Method Group 311.XX PCT			9	0.17	0.03	0.01	8	0.16	0.03	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	1	0.005	0.001	0.001	1	0.005	0.001	0.001
Acid Soluble Zinc, ICP		321.30	9	0.004	0.001	0.000	9	0.004	0.001	0.000
Acid Soluble Zinc, Other		321.99	1	0.004	0.000	0.000	1	0.004	0.000	0.000
Method Group 321.XX PCT			12	0.005	0.001	0.000	11	0.004	0.001	0.000

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Water Soluble Zinc, Atomic Absorption .		325.00	1	41.500	0.707	1.000	1	41.500	0.707	1.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index					
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 007.00 PCT			Meth: 010.10 PCT			Meth: 010.60 PCT							
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Percent Urea</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>							
<u>MgO Distillation</u>						<u>Urease (as Urea)</u>			<u>Reduced Iron</u>			<u>Combustion</u>							
232	17.64	1.72	220	17.20	.38	247	0.24	.71	405	17.77	.87	425	17.93	1.19					
291	17.55	1.54	397	17.19	.38				Avg	17.40		402	17.85	1.04					
220	17.20	.76	409	17.15	.30	Meth: 007.99 PCT			042	17.03	-.86	043	17.83	.98					
Avg	16.84		Avg	16.97		<u>Percent Urea</u>			Meth: 010.11 PCT			028	17.83	.77					
029	16.82	-.15	029	16.82	-.29	<u>Other</u>			<u>Total Nitrogen</u>			292	17.82	.77					
292	16.77	-.18	292	16.77	-.36	029	0.13	.71	<u>Modified Comprehensi</u>			106	17.76	.74					
090	16.70	-.32	090	16.70	-.48	Meth: 007.XX PCT			220	17.80	.98	022	17.80	.72					
309	16.60	-.57	309	16.60	-.66	<u>Percent Urea</u>			105	17.77	.81	389	17.80	.65					
251	16.40	-.98	251	16.40	-.99	247	0.24	.87	309	17.75	.78	360	17.80	.63					
389	16.40	-.99	389	16.40	-1.00	Avg	0.18		Avg	17.59		307	17.72	.62					
324	16.38	-1.07	324	16.38 R	-1.06	029	0.13	-.86	090	17.50	-.42	377	17.79	.59					
Meth: 001.99 PCT			289	16.12	-1.49	Meth: 009.10 PCT			029	17.50	-.49	162	17.77	.57					
<u>Ammoniacal Nitrogen</u>			415	16.05	-1.58	<u>Ammon & Nitrate N</u>			322	17.58 R	-1.30	025	17.78	.57					
<u>Other</u>			354	16.02	-1.64	<u>Devarda</u>			073	17.22	-1.69	324	17.77	.57					
420	18.22	1.73	Meth: 002.20 PCT			090	17.56	.94	Meth: 010.12 PCT			136	17.76	.51					
247	17.43	.49	<u>Nitrate Nitrogen</u>			Avg	17.47		<u>Total Nitrogen</u>			390	17.73	.47					
096	17.34	.34	<u>Jones Modified</u>			392	17.45	-.51	<u>Salicylic</u>			007	17.66	.45					
418	17.34 X	.34	029	0.40 S	.00	030	17.40	-1.16	185			17.52	1.10	029	17.73	.38			
320	17.32	.31	Meth: 002.99 PCT			Meth: 009.99 PCT			211			17.43	.73	247	17.70	.25			
393	17.21	.16	<u>Nitrate Nitrogen</u>			<u>Ammon & Nitrate N</u>			Avg			17.26		040	17.69	.22			
397	17.19	.11	<u>Other</u>			<u>Other</u>			102			17.07	-.89	035	17.69	.21			
409	17.15	.04	251	0.12	.81	354			254			17.03	-.98	296	17.68	.19			
Avg	17.13		360	0.12 R	.73	Meth: 009.XX PCT			Meth: 010.16 PCT			049	17.64	.08					
289	16.12 R	-1.61	220	0.10	.46	<u>Ammon & Nitrate N</u>			<u>Total Nitrogen</u>			131	17.64	.04					
415	16.05	-1.69	Avg	0.07		090			200			17.42	.71	Avg	17.64				
354	16.02	-1.75	393	0.00	-1.28	090			200			17.42	.71	041	17.62	-.08			
Meth: 001.XX PCT			Meth: 002.XX PCT			090			200			17.42	.71	251	17.58	-.31			
<u>Ammoniacal Nitrogen</u>			<u>Nitrate Nitrogen</u>			392			200			17.42	.71	114	17.63	-.36			
420	18.22	2.15	029	0.40 s	6.73	030			200			17.42	.71	291	17.56	-.37			
232	17.64	1.14	251	0.12	.81	Avg			200			17.42	.71	233	17.51	-.51			
291	17.55	1.00	360	0.12 R	.73	354			200			17.42	.71	406	17.47	-.69			
247	17.43	.79	220	0.10	.46	Meth: 010.60 PCT			Meth: 010.60 PCT			055	17.48	-.71					
096	17.34	.63	Avg	0.07		<u>Total Nitrogen</u>			<u>Combustion</u>			177	17.45	-.78					
418	17.34 X	.63	393	0.00	-1.28	034			034			18.19	2.21	351	17.44	-.83			
320	17.32	.60	* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits			393			393			18.11	1.89	262	17.40	-.95			
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits			422			17.97	1.32	426	17.40	-.98

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index		
Meth: 010.60 PCT			Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.20 PCT			Meth: 020.50 PCT				
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>				
<u>Combustion</u>									<u>Spectrometric</u>			<u>ICP</u>				
330	17.40	-1.03	220	17.80	.67	200	17.42	-.71	397	47.71	1.49	402	46.35	-.35		
369	17.48 R	-1.08	389	17.80	.65	262	17.40	-.76	042	46.99 R	1.20	307	45.39	-1.27		
095	17.38	-1.08	360	17.80	.64	426	17.40	-.79	362	47.40	1.00	Meth: 020.99 PCT				
024	17.38	-1.14	377	17.79	.60	330	17.40	-.84	406	47.24	.73					
009	17.33	-1.23	307	17.72	.59	095	17.38	-.88	200	47.08	.55					
096	17.33	-1.24	025	17.78	.58	369	17.48 R	-.91	220	47.12	.53	<u>Other</u>				
325	17.27	-1.48	162	17.77	.58	024	17.38	-.93	Avg	46.80		409	46.88	.71		
102	17.28	-1.51	324	17.77	.58	009	17.33	-1.01	363	46.77	-.14	Meth: 020.XX PCT				
023	17.17 X	-1.89	405	17.77	.56	322	17.58 R	-1.01	292	46.78	-.14	<u>Total Phosphate</u>				
428	17.00	-2.55	105	17.77	.53	096	17.33	-1.01	418	46.68 X	-.19	390	49.90 s	4.87		
Meth: 010.99 PCT			136	17.76	.53	325	17.27	-1.22	392	46.61	-.32	330	49.86 s	4.83		
<u>Total Nitrogen</u>			309	17.75	.51	102	17.28	-1.25	324	46.43	-.60	426	48.43	2.57		
<u>Other</u>			007	17.66	.42	073	17.22	-1.40	232	46.18	-1.02	105	47.99 R	2.14		
354	18.54 S	1.75	029	17.73	.41	042	17.03	-2.06	369	46.11	-1.15	425	47.94	1.74		
420	18.43	1.38	411	17.73	.41	254	17.03	-2.06	262	46.00	-1.30	397	47.71	1.38		
415	18.01	.33	114	17.63	.32	428	17.00	-2.17	420	45.92	-1.45	114	47.63	1.26		
Avg	17.88		247	17.70	.30	Meth: 020.10 PCT			Meth: 020.40 PCT			042	46.99 R	1.15		
409	17.55	-.85	040	17.69	.28	<u>Total Phosphate</u>			<u>Total Phosphate</u>			096	47.46	.97		
397	17.54	-.87	035	17.69	.27	<u>Grav Quimociac</u>			<u>Automated</u>			362	47.40	.90		
Meth: 010.XX PCT			296	17.68	.24	105	47.99 s	3.23	096	47.46	1.09	320	47.38	.85		
<u>Total Nitrogen</u>			049	17.64	.11	114	47.63	1.68	320	47.38	.95	090	47.35	.80		
354	18.54 s	3.36	131	17.64	.10	090	47.35	.90	247	47.00	.29	406	47.24	.63		
420	18.43	2.88	041	17.62	.04	030	47.10	.59	105	46.92	.16	030	47.10	.52		
034	18.19	2.03	Avg	17.61		405	47.05	.27	Avg	46.84		200	47.08	.47		
393	18.11	1.75	251	17.58	-.21	Avg	47.01		193	46.20	-1.14	220	47.12	.44		
157	18.06	1.59	409	17.55	-.26	313	47.01	-.03	035	46.07	-1.41	405	47.05	.35		
415	18.01	1.40	291	17.56	-.26	157	46.63	-1.02	Meth: 020.50 PCT			313	47.01	.27		
422	17.97	1.25	397	17.54	-.36	095	46.72	-1.09	<u>Total Phosphate</u>			247	47.00	.25		
425	17.93	1.13	233	17.51	-.37	411	46.61	-1.11	<u>ICP</u>			389	46.90	.18		
402	17.85	.99	185	17.52	-.37	Meth: 020.20 PCT			330			49.86 S	2.98	105	46.92	.14
043	17.83	.93	090	17.50	-.41	<u>Total Phosphate</u>			426			48.43	1.64	409	46.88	.11
028	17.83	.76	029	17.50	-.46	<u>Spectrometric</u>			389			46.90	.19	Avg	46.84	
292	17.82	.76	406	17.47	-.53	390	49.90 s	5.07	Avg			46.72		418	46.68 X	-.26
106	17.76	.71	055	17.48	-.55	425	47.94	1.86	422			46.54	-.17	157	46.63	-.34
022	17.80	.70	177	17.45	-.61	Meth: 020.50 PCT			A=Analysis beyond 3-s limits							
* X=Excluded from lab performance			351	17.44	-.65	<u>Total Phosphate</u>										
S/s=Screened Outlier			211	17.43	-.65	<u>Spectrometric</u>										
R=Duplicate Range too large																

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	
Meth: 020.XX PCT			Meth: 030.XX PCT			Meth: 040.XX PCT			Meth: 041.40 PCT			Meth: 041.99 PCT			
<u>Total Phosphate</u>			<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			
392	46.61	-.39	193	1.03	1.50	409	46.10	-.15	131	47.16	1.07	<u>Automated</u>			
411	46.61	-.41	409	0.78	.74	193	45.18	-1.16	029	46.07	.21	<u>Other</u>			
422	46.54	-.48	247	0.59	.10	363	45.05	-1.30	Avg	46.00		415	45.89	-.87	
095	46.72	-.49	Avg	0.55		Meth: 041.10 PCT			025	44.77	-1.14	Meth: 041.XX PCT			
324	46.43	-.66	090	0.54	-.08	Dir Available Phosph			Meth: 041.50 PCT			Dir Available Phosph			
402	46.35	-.79	220	0.25	-1.03	<u>Grav Quimociac</u>			254	47.84	1.80	254 47.84 1.80			
193	46.20	-1.04	096	0.15	-1.28	254	47.84	1.90	Dir Available Phosph	105	47.72	1.65	105 47.72 1.65		
232	46.18	-1.07	Meth: 040.10 PCT			105	47.72	1.69	<u>ICP</u>	393	47.72	1.64	393 47.72 1.64		
369	46.11	-1.20	InDir Available Phos			211	47.55	1.33	291	47.59	1.44	291 47.59 1.44			
035	46.07	-1.28	<u>Grav Quim</u>			041	47.40	1.04	211	47.55	1.39	211 47.55 1.39			
262	46.00	-1.34	090	46.81	.71	131	47.14	.53	022	46.74 R	1.11	022 46.74 R 1.28			
420	45.92	-1.49	Meth: 040.20 PCT			040	46.93	.34	360	46.49	.39	041 47.40 1.17			
307	45.39	-2.34	InDir Available Phos			260	46.94	.14	Avg	46.44		397 47.31 1.03			
309	41.70 s	-8.20	<u>Spectrometri</u>			009	46.91	.09	023	46.34	-.15	105 47.15 .86			
Meth: 030.10 PCT			Meth: 040.40 PCT			Avg	46.88		354	46.29	-.39	028 47.16 .83			
Insoluble Phosphate			InDir Available Phos			177	46.85	-.07	325	45.86	-.70	131 47.16 .81			
<u>Grav Quimociac</u>			Automated			102	46.82	-.11	007	45.70	-1.02	131 47.14 .79			
090	0.54	.71	289	46.94	.87	136	46.65	-.53	251	45.51	-1.14	040 46.93 .53			
Meth: 030.20 PCT			Meth: 040.99 PCT			022	46.64	-.70	Meth: 041.60 PCT			260 46.94 .50			
Insoluble Phosphate			InDir Available Phos			322	46.50	-.75	Dir Available Phosph			296 46.93 .49			
<u>Spectrometric</u>			Other			296	46.59	-.79	<u>EDTA Extract</u>			009 46.91 .46			
220	0.25	.71	096	47.31	.86	029	46.33	-1.12	105	47.15	1.26	022 46.64 .38			
Meth: 030.40 PCT			Meth: 040.XX PCT			055	46.24	-1.27	028	47.16	1.18	043 46.85 .37			
Insoluble Phosphate			InDir Available Phos			185	46.37 R	-1.35	296	46.93	.58	177 46.85 .36			
<u>Automated</u>			Other			028	46.04	-1.68	043	46.85	.35	102 46.82 .33			
193	1.03	.87	096	47.31	1.19	Meth: 041.20 PCT			Avg	46.72		049 46.76 .27			
Avg	0.59		289	46.94	.80	Dir Available Phosph			177	46.67	-.18	136 46.65 .22			
096	0.15	-.87	090	46.81	.64	<u>Spectrometric</u>			351	46.33	-1.04	177 46.67 .11			
Meth: 030.99 PCT			Meth: 040.XX PCT			397	47.31	1.38	073	46.49	-1.12	040 46.93 .53			
Insoluble Phosphate			InDir Available Phos			362	46.39	.24	377	46.23	-1.30	260 46.94 .50			
<u>Other</u>			Other			Avg	46.39		095	45.27 s	-3.86	296 46.59 .39			
409	0.78	.93	096	47.31	1.19	055	46.23	-.41	Meth: 041.99 PCT			362 46.39 .38			
Avg	0.68		289	46.94	.80	106	45.63	-1.17	Dir Available Phosph			296 46.59 .39			
247	0.59	-.79	090	46.81	.64	Meth: 041.99 PCT			Other			023 46.34 .40			
* X=Excluded from lab performance			Avg	46.23		Dir Available Phosph			Other			351 46.33 .40			
						393	46.56	.87	Other			029 46.33 .44			
									A=Analysis beyond 3-s limits			360 46.49 .49			

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.XX PCT			Meth: 048.XX PCT			Meth: 050.XX PCT			Meth: 101.30 PCT			Meth: 121.00 PCT		
<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			Acid Soluble Calcium			Acid Soluble Magnesi		
055	46.24	-.53	420	40.67	-1.02	Avg	0.14		<u>ICP</u>			<u>AA</u>		
073	46.49	-.54	363	40.60	-1.13	420	0.13	-.11	422	0.55 s	8.35	193	0.97	.71
377	46.23	-.55				377	0.13	-.18	320	0.35	1.60			
354	46.29	-.62	Meth: 050.00 PCT			096	0.13	-.18	232	0.34	1.34	Meth: 121.30 PCT		
055	46.23	-.63	Soluble Potash			251	0.12	-.24	307	0.31	.59	Acid Soluble Magnesi		
185	46.37 R	-.74	<u>STPB Oxalate</u>			247	0.00	-2.16	247	0.31	.21	<u>ICP</u>		
028	46.04	-.83	102	7.29 S	.00				131	0.30	.17	320	0.72 R	1.85
029	46.07	-.83				Meth: 060.00 PCT			102	0.31	.15	307	0.72	1.43
415	45.89	-1.03	Meth: 050.50 PCT			Free Water			Avg	0.30		102	0.72	1.37
325	45.86	-1.08	Soluble Potash			<u>Vacuum Oven</u>			009	0.30	-.05	232	0.72	1.18
106	45.63	-1.43	<u>ICP (Oxalate)</u>			193	1.33	1.39	035	0.28	-.68	065	0.70	.52
007	45.70	-1.45	422	0.25	1.85	247	1.31	1.23	420	0.28	-.70	Avg	0.69	
251	45.51	-1.62	Avg	0.16		096	1.17	.39	065	0.24	-1.93	131	0.69	-.22
095	45.27	-1.97	354	0.15	-.21	Avg	1.12					247	0.69	-.36
025	44.77	-2.67	307	0.14	-.33	320	1.07	-.41	Meth: 101.99 PCT			096	0.68	-.51
			420	0.13	-.53	105	1.06	-.50	Acid Soluble Calcium			009	0.67	-.95
			251	0.12	-.80	362	1.04	-.53	<u>Other</u>			035	0.67	-1.08
Meth: 048.20 PCT						007	0.87	-1.66	409	0.31	.71	420	0.66	-1.19
<u>Water Soluble Phosph</u>			Meth: 050.51 PCT			Meth: 060.99 PCT			Meth: 101.XX PCT			Meth: 121.99 PCT		
<u>Spectrometric</u>			Soluble Potash			Free Water			Acid Soluble Calcium			Acid Soluble Magnesi		
193	41.73	1.14	<u>ICP (Citrate)</u>			Other			422	0.55 s	8.74	<u>Other</u>		
096	41.72	1.09	022	0.17	1.22	409	1.22	.71	320	0.35	1.67	409	1.97 S	.00
Avg	41.12		Avg	0.14					232	0.34	1.39			
362	40.91	-.62	377	0.13	-.67	Meth: 060.XX PCT			307	0.31	.62	Meth: 121.XX PCT		
420	40.67	-.84	096	0.13	-.75	Free Water			409	0.31	.21	Acid Soluble Magnesi		
363	40.60	-.95				193	1.33	1.37	247	0.31	.21	409	1.97 s	63.42
			Meth: 048.99 PCT			Meth: 050.99 PCT			131	0.30	.18	193	0.97 A	12.18
			Water Soluble Phosph			Soluble Potash			102	0.31	.15	320	0.72 R	1.85
			<u>Other</u>			<u>Other</u>			Avg	0.30		307	0.72	1.43
			247	41.58	.71	247	0.00	.71	009	0.30	-.06	102	0.72	1.37
			Meth: 048.XX PCT			Meth: 050.XX PCT			035	0.28	-.72	232	0.72	1.18
			<u>Water Soluble Phosph</u>			<u>Soluble Potash</u>			420	0.28	-.75	065	0.70	.52
193	41.73	1.06	102	7.29 s	114.57	Avg	1.13		065	0.24	-2.04	Avg	0.69	
096	41.72	1.00	422	0.25	1.85	320	1.07	-.48				131	0.69	-.22
247	41.58	.71	022	0.17	.48	105	1.06	-.58				247	0.69	-.36
Avg	41.20		354	0.15	.22	363	1.10	-.71				096	0.68	-.51
362	40.91	-.75	307	0.14	.13	007	0.87	-1.79				009	0.67	-.95
* 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: 121.XX PCT			Meth: 144.XX PCT			Meth: 151.XX PPM			Meth: 181.30 PPM			Meth: 181.XX PPM		
<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Arsenic</u>			<u>Cadmium</u>			<u>Cadmium</u>		
035	0.67	-1.08	102	1.00 R	-.30	106	15.50	.42	<u>ICP</u>			397	4.42	-.39
420	0.66	-1.19	096	0.96	-.46	102	16.16	.39	065	5.38 R	2.14	363	4.00	-1.02
Meth: 131.00 PCT			009			409			324			035		
Water Soluble Magnes			422			247			102			193		
<u>AA</u>			035			136			096			362		
193	0.04	-.71	Meth: 151.00 PPM			Avg			Avg			Meth: 190.00 PCT		
Meth: 144.01 PCT			Arsenic			232			009			Water Soluble Chlori		
Sulfur			220			040			106			<u>Titrimetric</u>		
<u>Gravimetric</u>			040			291			393			422		
193	1.11	.87	136			043			232			0.81		
Avg	1.11		136			200			247			-.71		
105	1.10	-.87	Avg			Meth: 165.99 PCT			035			Meth: 191.00 PPM		
Meth: 144.99 PCT			200			Acid Soluble Boron			Meth: 181.99 PPM			Chromium		
Sulfur			Meth: 151.30 PPM			<u>Other</u>			<u>Cadmium</u>			<u>Atomic Absorption</u>		
<u>Other</u>			Arsenic			422			409			220		
409	1.16	2.12	ICP			009			496			119.00		
320	1.02	.59	009			307			362			Avg		
102	1.00	.39	065			Avg			409			115.00		
247	1.00	.18	106			232			362			193		
232	0.99	.16	102			409			4.29 X			-.94		
Avg	0.98		Avg			Meth: 181.00 PPM			Meth: 181.XX PPM			Meth: 191.30 PPM		
096	0.96	-.24	247			Cadmium			<u>Cadmium</u>			Chromium		
009	0.95	-.34	232			<u>Atomic Absorption</u>			291			ICP		
422	0.90	-1.01	291			200			200			009		
035	0.85	-1.50	043			136			065			102		
Meth: 144.XX PCT			Meth: 151.99 PPM			040			324			247		
<u>Sulfur</u>			Arsenic			Avg			102			Avg		
409	1.16	1.65	Other			397			096			096		
193	1.11	1.12	409			363			409			291		
105	1.10	1.01	16.00			193			106			035		
320	1.02	.34	Meth: 151.XX PPM			Meth: 181.30 PPM			393			324		
Avg	1.00		Arsenic			Cadmium			Avg			232		
247	1.00	-.11	009			ICP			232			Meth: 191.99 PPM		
232	0.99	-.21	220			291			136			Chromium		
* X=Excluded from lab performance			065			8.20 s			247			Other		
S/s=Screened Outlier			17.81			10.95			4.45			409		
R=Duplicate Range too large			.79						-.34			102.60		
A=Analysis beyond 3-s limits												.71		

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 191.XX PPM <u>Chromium</u>			Meth: 202.99 PPM Acid Soluble Cobalt			Meth: 221.30 PCT Acid Soluble Copper			Meth: 241.30 PCT Acid Soluble Iron			Meth: 251.00 PPM Lead		
009	122.15	1.15	<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>Atomic Absorption</u>		
102	122.06	1.15	247	5.15	1.26	422	0.0001	-.29	Avg	1.69		200	11.50 R	10.69
220	119.00	.85	Avg	4.72		065	0.0000	-.93	131	1.68	-.14	040	2.82	.79
065	118.25	.80	136	4.50	-.60	307	0.0000	-1.01	420	1.68	-.15	136	2.55	.49
389	117.50	.74	409	4.50	-.74	Meth: 221.99 PCT			096	1.63	-.67	Avg	2.12	
393	114.03	.42	Meth: 202.XX PPM			Acid Soluble Copper			247	1.63	-.67	193	1.00	-1.28
247	113.45	.32	<u>Acid Soluble Cobalt</u>			<u>Other</u>			307	1.62	-.72	Meth: 251.30 PPM		
193	111.00	.30	096	6.25	1.48	409	0.0002	.71	402	1.60	-.93	Lead		
Avg	110.31		291	6.06	1.30	Meth: 221.XX PCT			422	1.57	-1.26	<u>ICP</u>		
096	109.50	-.09	040	5.75	.89	<u>Acid Soluble Copper</u>			Meth: 241.99 PCT			291	18.66 s	8.15
291	108.38	-.32	200	5.50 X	.84	193 0.0008 R 3.09			Acid Soluble Iron			324	6.75	1.78
035	103.50	-.67	102	5.60	.71	420 0.0006 1.96			<u>Other</u>			096	5.95	1.30
409	102.60	-.84	009	5.40	.48	102 0.0003 .50			362 2.31 S 7.65			106	4.00	.28
324	97.30	-1.27	247	5.15	.34	232 0.0003 .45			065 1.46 .71			035	3.87	.24
232	85.60	-2.39	106	5.25	.30	096 0.0002 .09			Avg 1.46			247	3.40	-.23
Meth: 202.00 PPM			Avg	5.01		409 0.0002 .08			Meth: 241.XX PCT			043	3.01	-.30
Acid Soluble Cobalt			136	4.50	-.62	Avg 0.0002			<u>Acid Soluble Iron</u>			102	1.99	-.82
<u>AA</u>			409	4.50	-.65	422 0.0001 -.64			362 2.31 s 5.98			389	1.55	-1.06
200	5.50 X	.87	324	4.35	-.79	065 0.0000 -1.15			193 2.18 s 4.82			065	1.22 X	-1.25
Avg	4.50		232	4.30	-.85	307 0.0000 -1.21			102 1.87 1.84			Meth: 251.99 PPM		
193	3.50	-.87	389	4.00	-1.20	Meth: 241.00 PCT			409 1.85 1.62			Lead		
Meth: 202.30 PPM			193	3.50	-1.90	Acid Soluble Iron			035 1.79 1.14			<u>Other</u>		
Acid Soluble Cobalt			320	0.00 s	-5.97	<u>Atomic Absorption</u>			320 1.73 .59			409 2.70 -.71		
<u>ICP</u>			Meth: 221.00 PCT			193 2.18 S .00			009 1.71 .36			Meth: 251.XX PPM		
096	6.25	1.46	Acid Soluble Copper			262 1.49 .00			131 1.68 .11			<u>Lead</u>		
291	6.06 R	1.26	<u>Atomic Absorption</u>			Avg 1.49			420 1.68 .05			291 18.66 s 9.14		
040	5.75	.82	193	0.0008	.71	Meth: 241.30 PCT			247 1.63 -.47			200 11.50 A 4.92		
102	5.60	.63	Meth: 221.30 PCT			Acid Soluble Iron			096 1.63 -.47			324 6.75 2.17		
009	5.40	.39	Acid Soluble Copper			<u>ICP</u>			307 1.62 -.53			096 5.95 1.65		
106	5.25	.19	<u>ICP</u>			102 1.87 1.89			232 1.61 -.67			106 4.00 .52		
Avg	5.11		420	0.0006 R	3.00	409 1.85 1.64			402 1.60 -.70			035 3.87 .46		
324	4.35	-.98	102	0.0003	1.16	035 1.79 1.11			422 1.57 -1.01			247 3.40 .28		
232	4.30	-1.05	232	0.0003	1.08	320 1.73 .53			262 1.49 -1.74			Avg 3.14		
389	4.00	-1.43	096	0.0002 R	.55	009 1.71 .25			065 1.46 R -2.14			043 3.01 -.14		
320	0.00 s	-6.56	Avg	0.0001		Meth: 241.00 PCT			Avg 1.46			Meth: 251.99 PPM		
* X=Excluded from lab performance			S/s=Screened Outlier			R=Duplicate Range too large			A=Analysis beyond 3-s limits					

Laboratory Averages & Accuracy Indexes

<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>	<u>Lab</u>	<u>Average*</u>	<u>Index</u>
Meth: 311.99 PCT			Meth: 321.30 PCT			Meth: 321.99 PCT			Meth: 321.99 PCT			Meth: 321.99 PCT		
Sodium			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc		
<u>Other</u>			<u>ICP</u>			<u>Other</u>			<u>Other</u>			<u>Other</u>		
422	0.24	1.90	320	0.004	.23	409	0.004	-.71	247	0.060 s	88.46	247	0.060 s	90.72
102	0.19	.65	232	0.004	.20	422	0.009 R	6.82	422	0.009 s	6.95	422	0.009 s	6.95
409	0.18	.16	009	0.004	.09	420	0.005	1.39	420	0.005	1.38	420	0.005	1.38
Avg	0.17		102	0.004	.07	193	0.005	.98	096	0.005	.55	096	0.005	.55
307	0.17	-.11	Avg	0.004		065	0.004	.28	065	0.004	.27	065	0.004	.27
009	0.17	-.18	035	0.004	-.15	320	0.004	.27	320	0.004	.27	065	0.004	.27
232	0.14	-.96	307	0.003	-2.47	232	0.004	.24	232	0.004	.24	009	0.004	.13
035	0.13	-1.22	Meth: 311.XX PCT			Meth: 321.XX PCT			Meth: 325.00 PCT			Meth: 325.00 PCT		
247	0.00 s	-4.74	Sodium			Acid Soluble Zinc			Water Soluble Zinc			Water Soluble Zinc		
Meth: 311.XX PCT			Sodium			Acid Soluble Zinc			Water Soluble Zinc			Water Soluble Zinc		
422	0.24	2.25	422	0.24	2.25	247	0.060 s	88.46	220	41.500	.71	220	41.500	.71
102	0.19 R	.87	102	0.19 R	.87	422	0.009 R	6.82						
409	0.18	.37	409	0.18	.37	420	0.005	1.39						
307	0.17	.20	307	0.17	.20	193	0.005	.98						
009	0.17	.12	009	0.17	.12	096	0.005	.58						
Avg	0.16		Avg	0.16		065	0.004	.28						
320	0.15	-.39	320	0.15	-.39	320	0.004	.27						
193	0.14	-.65	193	0.14	-.65	232	0.004	.24						
232	0.14	-.76	232	0.14	-.76	009	0.004	.13						
035	0.13	-1.04	035	0.13	-1.04	102	0.004	.11						
247	0.00 s	-4.76	247	0.00 s	-4.76	Avg	0.004							
Meth: 321.00 PCT			Meth: 321.00 PCT			Meth: 321.00 PCT			Meth: 321.00 PCT			Meth: 321.00 PCT		
Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc		
<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>		
193	0.005	.71	193	0.005	.71	035	0.004	-.11	035	0.004	-.11	035	0.004	-.11
Meth: 321.30 PCT			Meth: 321.30 PCT			Meth: 321.30 PCT			Meth: 321.30 PCT			Meth: 321.30 PCT		
Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
247	0.060 s	90.72	247	0.060 s	90.72	409	0.004	-1.21	409	0.004	-1.21	409	0.004	-1.21
422	0.009 s	6.95	422	0.009 s	6.95	307	0.003	-2.36	307	0.003	-2.36	307	0.003	-2.36
420	0.005	1.38	420	0.005	1.38									
096	0.005	.55	096	0.005	.55									
065	0.004	.27	065	0.004	.27									

* 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	10	0.00	1.01	0.17	101.30	11	0.76	2.68	0.29
001.99	11	- 0.14	1.09	0.09	101.XX	12	0.73	2.69	0.29
001.XX	21	- 0.05	1.01	0.12	121.30	11	0.11	1.00	0.50
002.99	4	0.18	0.98	0.04	121.XX	13	5.32	15.56	8.37
002.XX	5	1.26	2.57	1.67	144.01	2	0.00	1.22	0.00
007.XX	2	0.00	1.22	0.06	144.99	9	0.00	1.02	0.16
009.10	3	0.00	0.78	0.65	144.XX	11	- 0.01	0.97	0.13
009.XX	4	0.00	1.08	0.01	151.00	4	0.00	1.06	0.18
010.10	2	0.00	1.22	0.05	151.30	8	0.00	1.00	0.24
010.11	7	0.00	0.94	0.52	151.XX	13	0.00	1.00	0.21
010.12	4	0.00	1.06	0.18	165.99	5	0.000	1.055	0.097
010.60	50	- 0.01	0.96	0.29	165.XX	5	0.000	1.055	0.097
010.99	5	0.33	1.19	0.27	181.00	7	0.00	1.04	0.08
010.XX	67	0.06	1.03	0.28	181.30	11	0.73	3.76	0.66
020.10	9	0.29	1.25	0.72	181.99	2	0.00	0.30	0.84
020.20	18	- 0.16	2.53	0.32	181.XX	20	0.24	1.55	0.59
020.40	6	0.00	1.03	0.17	191.00	2	0.00	1.07	0.42
020.50	6	0.49	1.53	0.19	191.30	11	0.00	1.01	0.16
020.XX	39	0.07	1.97	0.33	191.XX	14	0.00	1.00	0.20
030.40	2	0.00	1.22	0.03	202.00	2	0.00	1.10	0.39
030.99	2	0.00	1.12	0.35	202.30	10	- 0.54	2.34	0.14
030.XX	6	0.00	1.04	0.15	202.99	3	0.00	0.95	0.49
040.20	2	0.00	1.21	0.11	202.XX	15	- 0.40	1.81	0.26
040.40	2	0.00	1.22	0.04	221.30	7	0.5061	1.4148	0.0580
040.XX	6	0.00	1.04	0.09	221.XX	9	0.3414	1.4086	0.1038
041.10	19	- 0.05	0.99	0.30	241.00	2	0.00	0.00	0.00
041.20	4	0.00	1.05	0.23	241.30	13	0.00	1.01	0.15
041.40	3	0.00	1.11	0.12	241.99	2	3.82	5.40	0.58
041.50	9	0.04	0.94	0.43	241.XX	17	0.51	2.11	0.29
041.60	9	- 0.42	1.54	0.45	251.00	4	2.67	5.42	0.29
041.99	2	0.00	1.22	0.02	251.30	10	0.81	2.74	0.27
041.XX	37	- 0.06	0.98	0.36	251.XX	15	0.93	2.75	0.26
048.20	5	0.00	0.99	0.33	261.00	2	0.000	0.522	0.783
048.XX	6	0.00	0.99	0.32	261.30	11	- 1.561	4.213	1.259
050.50	5	0.00	1.05	0.11	261.XX	14	- 0.577	1.975	0.689
050.51	3	0.00	1.04	0.34	281.XX	2	0.000	1.201	0.169
050.XX	10	11.46	36.24	0.15	289.00	2	0.00	1.18	0.24
060.00	8	0.00	0.98	0.31	289.30	10	0.42	1.60	0.40
060.XX	9	0.00	0.98	0.31	289.XX	13	0.32	1.45	0.39

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
291.00	3	0.00	1.09	0.20					
291.30	12	0.05	1.89	0.46					
291.99	2	0.00	0.32	0.84					
291.XX	17	- 0.11	1.07	0.25					
301.XX	2	0.00	1.21	0.11					
311.99	8	- 0.59	1.92	0.21					
311.XX	10	- 0.41	1.79	0.20					
321.30	11	8.875	27.241	0.273					
321.XX	13	7.325	24.466	0.319					