

MAGRUDER - Fertilizer Check Sample No. - 200203 Grade 5-25-30

- Pass 1 Results for 83 Labs - - Pass 2 Results for 83 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation .	920.03	001.10	7	5.1336	0.2344	0.0165	6	5.1608	0.2431	0.0093
Ammoniacal Nitrogen, Other		001.99	7	5.1736	0.2294	0.0929	7	5.1736	0.2294	0.0929
Method Group 001.XX PCT			14	5.1536	0.2285	0.0547	13	5.1796	0.2117	0.0366
Nitrate Nitrogen, Other		002.99	2	2.6275	3.0227	0.0450	2	2.6275	3.0227	0.0450
Ammon & Nitrate N, Devarda	892.01	009.10	2	5.3603	0.0319	0.0205	2	5.3603	0.0319	0.0205
Ammon & Nitrate N, Other		009.99	1	5.2850	0.0212	0.0300	1	5.2850	0.0212	0.0300
Method Group 009.XX PCT			3	5.3352	0.0470	0.0237	3	5.3352	0.0470	0.0237
Total Nitrogen, Modified Comprehensive	978.02	010.11	10	5.2864	0.1216	0.0479	10	5.2864	0.1216	0.0479
Total Nitrogen, Salicylic	955.04D	010.12	7	5.2591	0.0810	0.0514	7	5.2591	0.0810	0.0514
Total Nitrogen, Combustion		010.60	48	5.3090	0.1134	0.0555	46	5.3060	0.1036	0.0508
Total Nitrogen, Other		010.99	4	5.2989	0.0830	0.0207	4	5.2989	0.0830	0.0207
Method Group 010.XX PCT			69	5.3001	0.1105	0.0520	67	5.2978	0.1033	0.0486
Total Phosphate, Grav Quimociac	962.02	020.10	6	25.464	0.5785	0.2321	6	25.464	0.5785	0.2321
Total Phosphate, Spectrometric	958.01	020.20	14	25.449	0.3115	0.1486	13	25.444	0.3102	0.1108
Total Phosphate, Alka. Quimociac	969.02	020.30	1	25.682	0.0589	0.0833	1	25.682	0.0589	0.0833
Total Phosphate, Automated	978.01	020.40	6	25.619	0.0899	0.0583	6	25.619	0.0899	0.0583
Total Phosphate, ICP		020.50	3	25.189	0.4037	0.1318	3	25.189	0.4037	0.1318
Total Phosphate, Other		020.99	3	25.597	0.1662	0.1333	3	25.597	0.1662	0.1333
Method Group 020.XX PCT			35	25.474	0.4099	0.1603	32	25.432	0.3803	0.1135
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	0.3300	0.0141	0.0200	1	0.3300	0.0141	0.0200
Insoluble Phosphate, Automated	978.01	030.40	2	0.3725	0.0206	0.0250	2	0.3725	0.0206	0.0250
Insoluble Phosphate, Other		030.99	3	10.073	12.390	0.1867	3	10.073	12.390	0.1867
Method Group 030.XX PCT			6	5.2158	9.7735	0.1050	5	5.4960	10.780	0.0400
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	25.725	0.1344	0.1900	1	25.725	0.1344	0.1900
InDir Available Phosphate, Spectrometri	960.02	040.20	3	25.268	0.3889	0.1100	3	25.268	0.3889	0.1100
InDir Available Phosphate, Automated ..	960.02	040.40	3	25.332	0.1256	0.0500	3	25.332	0.1256	0.0500
InDir Available Phosphate, Other		040.99	2	25.205	0.0635	0.0700	2	25.205	0.0635	0.0700
Method Group 040.XX PCT			9	25.326	0.2725	0.0900	9	25.326	0.2725	0.0900
Dir Available Phosphate, Grav Quim	960.03E	041.10	20	25.296	0.3238	0.1287	18	25.288	0.3195	0.0691
Dir Available Phosphate, Spectrometric	960.03D	041.20	5	25.415	0.4322	0.1922	5	25.415	0.4322	0.1922
Dir Available Phosphate, Alka. Quim ...	960.03C	041.30	1	25.215	0.0071	0.0100	1	25.215	0.0071	0.0100
Dir Available Phosphate, Automated	978.01	041.40	5	25.230	0.2829	0.0930	5	25.230	0.2829	0.0930
Dir Available Phosphate, ICP		041.50	3	24.905	0.3947	0.1367	3	24.905	0.3947	0.1367
Dir Available Phosphate, EDTA Extract .	993.01	041.60	10	25.171	0.2121	0.1049	10	25.171	0.2121	0.1049
Method Group 041.XX PCT			44	25.245	0.3273	0.1243	42	25.239	0.3250	0.0986
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	22.245	0.1344	0.1900	1	22.245	0.1344	0.1900
Water Soluble Phosphate, Other		048.99	2	23.425	1.6413	0.1100	2	23.425	1.6413	0.1100
Method Group 048.XX PCT			3	23.032	1.4111	0.1367	3	23.032	1.4111	0.1367
Soluble Potash, STPB Oxalate	958.02	050.00	23	30.241	0.2706	0.0779	21	30.261	0.2681	0.0562

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Soluble Potash, STPB Citrate	969.04	050.10	1	30.575	0.2127	0.3008	1	30.575	0.2127	0.3008
Soluble Potash, AA (Oxalate)		050.30	11	29.770	0.6078	0.1703	11	29.770	0.6078	0.1703
Soluble Potash, ICP (Oxalate)		050.50	2	29.273	0.6223	0.2862	2	29.273	0.6223	0.2862
Soluble Potash, ICP (Citrate)		050.51	5	30.234	0.1361	0.1360	5	30.234	0.1361	0.1360
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	9	30.464	0.7585	0.2622	9	30.464	0.7585	0.2622
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	6	30.432	0.4483	0.1067	6	30.432	0.4483	0.1067
Soluble Potash, Other		050.99	16	30.126	0.4752	0.2484	15	30.204	0.3633	0.2157
Method Group 050.XX PCT			73	30.166	0.5330	0.1670	69	30.166	0.4398	0.1420
Free Water, Vacuum Oven	965.08B	060.00	3	0.4933	0.1232	0.0300	3	0.4933	0.1232	0.0300
Free Water, Other		060.99	1	0.6150	0.0212	0.0300	1	0.6150	0.0212	0.0300
Method Group 060.XX PCT			4	0.5237	0.1186	0.0300	4	0.5237	0.1186	0.0300
Acid Soluble Calcium, AA	945.04	101.00	1	0.5300	0.0141	0.0200	1	0.5300	0.0141	0.0200
Acid Soluble Calcium, ICP		101.30	6	0.6227	0.0239	0.0177	6	0.6227	0.0239	0.0177
Method Group 101.XX PCT			7	0.6094	0.0404	0.0180	7	0.6094	0.0404	0.0180
Acid Soluble Magnesium, AA	984.01	121.00	1	0.3350	0.0071	0.0100	1	0.3350	0.0071	0.0100
Acid Soluble Magnesium, ICP		121.30	6	0.3488	0.0164	0.0067	6	0.3488	0.0164	0.0067
Method Group 121.XX PCT			7	0.3468	0.0161	0.0072	7	0.3468	0.0161	0.0072
Water Soluble Magnesium, Other		131.99	1	0.0113	0.0007	0.0010	1	0.0113	0.0007	0.0010
Sulfur, Gravimetric	980.02a	144.01	3	0.9991	0.0384	0.0196	3	0.9991	0.0384	0.0196
Sulfur, Spectrometric		144.70	1	0.9950	0.0212	0.0300	1	0.9950	0.0212	0.0300
Sulfur, Other		144.99	4	0.9814	0.0699	0.0245	4	0.9814	0.0699	0.0245
Method Group 144.XX PCT			8	0.9897	0.0536	0.0233	8	0.9897	0.0536	0.0233
Arsenic, ICP		151.30	2	6.4250	0.5909	0.7500	2	6.4250	0.5909	0.7500
Arsenic, Other		151.99	3	5.9967	0.8005	0.0733	3	5.9967	0.8005	0.0733
Method Group 151.XX PPM			5	6.1680	0.7220	0.3440	5	6.1680	0.7220	0.3440
Acid Soluble Boron, Other		165.99	1	0.0202	0.0011	0.0016	1	0.0202	0.0011	0.0016
Cadmium, Atomic Absorption		181.00	1	111.90	0.0636	0.0900	1	111.90	0.0636	0.0900
Cadmium, ICP		181.30	11	105.81	8.5422	2.2121	11	105.81	8.5422	2.2121
Method Group 181.XX PPM			12	106.32	8.3411	2.0353	11	105.90	8.5354	1.5973
Water Soluble Chlorine, Titrimetric	928.02	190.00	2	22.735	0.6291	0.1800	2	22.735	0.6291	0.1800
Water Soluble Chlorine, Other		190.99	1	23.139	0.0244	0.0345	1	23.139	0.0244	0.0345
Method Group 190.XX PCT			3	22.870	0.5301	0.1315	3	22.870	0.5301	0.1315
Chromium, Atomic Absorption		191.00	1	246.83	3.2810	4.6400	1	246.83	3.2810	4.6400
Chromium, ICP		191.30	5	267.87	18.777	10.217	5	267.87	18.777	10.217
Method Group 191.XX PPM			6	264.37	18.883	9.2873	6	264.37	18.883	9.2873
Acid Soluble Cobalt, AA		202.00	1	5.5038	0.3779	0.5344	1	5.5038	0.3779	0.5344
Acid Soluble Cobalt, ICP	965.11	202.30	7	5.6605	0.5601	0.2007	7	5.6605	0.5601	0.2007
Acid Soluble Cobalt, Other		202.99	2	2.5000	0.5774	0.0000	2	2.5000	0.5774	0.0000
Method Group 202.XX PPM			11	5.3925	1.8086	0.2236	11	5.3925	1.8086	0.2236

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Acid Soluble Copper, Atomic Absorption	975.01	221.00	4	0.1121	0.0029	0.0018	4	0.1121	0.0029	0.0018
Acid Soluble Copper, ICP		221.30	15	0.1096	0.0075	0.0038	15	0.1096	0.0075	0.0038
Acid Soluble Copper, Other		221.99	1	0.1200	0.0000	0.0000	1	0.1200	0.0000	0.0000
Method Group 221.XX PCT			20	0.1106	0.0070	0.0032	20	0.1106	0.0070	0.0032
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	15	1.1602	0.0538	0.0348	14	1.1623	0.0526	0.0287
Acid Soluble Iron, ICP		241.30	18	1.0992	0.1354	0.0344	17	1.0938	0.1361	0.0270
Acid Soluble Iron, Other		241.99	3	1.0581	0.1946	0.1004	3	1.0581	0.1946	0.1004
Method Group 241.XX PCT			38	1.1239	0.1340	0.0403	36	1.1226	0.1350	0.0314
Lead, Atomic Absorption		251.00	1	13.824	0.0728	0.1030	1	13.824	0.0728	0.1030
Lead, ICP		251.30	8	13.300	1.9712	1.1859	8	13.300	1.9712	1.1859
Lead, Other		251.99	2	10.168	2.5177	0.3350	2	10.168	2.5177	0.3350
Method Group 251.XX PPM			11	12.778	2.3002	0.9327	11	12.778	2.3002	0.9327
Acid Soluble Manganese, ICP	972.02a	261.30	4	0.0456	0.0049	0.0042	3	0.0448	0.0034	0.0009
Mercury, Atomic Absorption		281.00	1	25.500	0.7071	1.0000	1	25.500	0.7071	1.0000
Mercury, Other		281.99	4	21.909	3.0225	1.3175	4	21.909	3.0225	1.3175
Method Group 281.XX PPM			5	22.627	3.0747	1.2540	5	22.627	3.0747	1.2540
Molybdenum, ICP		289.30	7	10.718	1.1680	0.3920	6	10.650	1.2117	0.2000
Molybdenum, Other		289.99	2	7.7250	2.0255	0.4500	2	7.7250	2.0255	0.4500
Method Group 289.XX PPM			9	10.053	1.8458	0.4049	8	9.9187	1.8996	0.2625
Nickel, Atomic Absorption		291.00	1	158.91	7.4105	10.480	1	158.91	7.4105	10.480
Nickel, ICP		291.30	8	143.58	9.9363	4.5998	7	143.53	10.253	3.0998
Nickel, Other		291.99	2	74.500	53.793	4.0000	2	74.500	53.793	4.0000
Method Group 291.XX PPM			12	122.25	48.586	5.0232	12	122.25	48.586	5.0232
Selenium, ICP		301.30	1	2.5500	0.3536	0.5000	1	2.5500	0.3536	0.5000
Selenium, Other		301.99	2	0.1500	0.0812	0.0100	2	0.1500	0.0812	0.0100
Method Group 301.XX PPM			3	0.9500	1.2510	0.1733	3	0.9500	1.2510	0.1733
Sodium, Other		311.99	4	0.3475	0.0632	0.0060	4	0.3475	0.0632	0.0060
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	5	0.2801	0.0271	0.0038	5	0.2801	0.0271	0.0038
Acid Soluble Zin, ICP		321.30	16	0.2851	0.0221	0.0106	15	0.2847	0.0224	0.0090
Acid Soluble Zinc, Other		321.99	2	0.2560	0.0271	0.0240	2	0.2560	0.0271	0.0240
Method Group 321.XX PCT			23	0.2815	0.0245	0.0103	21	0.2832	0.0229	0.0078

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 001.10	--	--	Method 002.99	--	--	Method 010.12	--	--	Method 010.60	--	--	Method 010.XX	--
415	5.6160	1.87	Avg	2.6275		Avg	5.2591		360	5.2800	-.63	300	5.4100	1.10
416	5.2931	.54	288	0.0100	-.87	376	5.1700	-1.16	057	5.2300	-.74	322	5.4035	1.03
Avg	5.1608					137	5.1350	-1.59	142	5.2350	-.76	027	5.3675	1.01
405	5.1100	-.21	--	Method 009.10	--				296	5.2200	-.83	262	5.3850	.88
324	5.0000	-.66	392	5.3855	.81	--	Method 010.60	--	393	5.2200	-.84	136	5.3550	.70
392	4.9960	-.68	Avg	5.3603		409	5.6000 A	2.90	070	5.2200	-.88	162	5.3500	.70
389	4.9700 R	-.79	200	5.3350	-.92	325	5.5250	2.12	275	5.2200	-.92	372	5.3650	.67
028	4.9500	-.87				233	5.5150	2.02	232	5.2100	-.93	023	5.3300	.66
			--	Method 009.99	--	402	5.4600	1.68	095	5.1950	-1.08	288	5.3600	.63
--	Method 001.99	--	090	5.2850	-.71	389	5.4550	1.44	361	5.1850	-1.18	247	5.3500	.58
402	5.4600	1.30				369	5.4400	1.30	324	5.1850	-1.25	334	5.3500	.51
247	5.3500	.78	--	Method 009.XX	--	157	5.4300	1.26	009	5.1750	-1.34	106	5.3150	.47
320	5.3250	.66	392	5.3855	1.08	131	5.4250	1.16	330	5.1500	-1.58	377	5.3450	.46
393	5.2050	.15	Avg	5.3352		025	5.4150	1.14	234	5.1300	-1.70	024	5.3300	.33
Avg	5.1736		200	5.3350	-.32	356	5.4150	1.11	390	5.1550 R	-1.78	041	5.3200	.24
289	5.0800	-.41	090	5.2850	-1.11	027	5.3675	.96	073	5.1100	-1.92	394	5.3200	.24
394	4.9800	-.86				262	5.3850	.80				040	5.3100	.23
409	4.8150	-1.69	--	Method 010.11	--	136	5.3550	.64	--	Method 010.99	--	029	5.3200	.22
			415	5.6781 S	3.23	023	5.3300	.62	300	5.4100	1.36	292	5.3200	.22
--	Method 001.XX	--	405	5.4600	1.54	372	5.3650	.59	024	5.3300	.39	035	5.3000	.19
415	5.6160	2.06	114	5.4600	1.44	247	5.3500	.51	Avg	5.2989		351	5.3085	.10
402	5.4600	1.38	322	5.4035	.97	106	5.3150	.44	220	5.2350	-.77	055	5.3000	.10
247	5.3500	.82	288	5.3600	.63	334	5.3500	.44	177	5.2205	-.95	Avg	5.2978	
320	5.3250	.69	Avg	5.2864		377	5.3450	.38				049	5.2950	-.15
416	5.2931	.54	029	5.2200	-.55	040	5.3100	.20	--	Method 010.XX	--	102	5.2903	-.16
393	5.2050	.14	395	5.2350	-.56	041	5.3200	.17	415	5.6781 s	3.69	024	5.2850	-.19
Avg	5.1796		148	5.1900	-.80	394	5.3200	.17	409	5.6000 A	2.98	028	5.2700	-.29
405	5.1100	-.33	157	5.1800	-.88	029	5.3200	.13	325	5.5250	2.20	185	5.2950	-.34
289	5.0800	-.47	028	5.1750	-.92	292	5.3200	.13	233	5.5150	2.10	037	5.2950	-.34
324	5.0000	-.85	211	5.1800	-.93	Avg	5.3060		402	5.4600	1.75	326	5.2650	-.35
392	4.9960	-.87	309	4.7500 s	-4.43	055	5.3000	-.11	405	5.4600	1.71	034	5.2850	-.36
394	4.9800	-.96				049	5.2950	-.18	114	5.4600	1.58	043	5.2500	-.55
389	4.9700	-1.00	--	Method 010.12	--	035	5.3000	-.20	389	5.4550	1.52	360	5.2800	-.61
028	4.9500	-1.08	162	5.3500	1.28	024	5.2850	-.25	369	5.4400	1.38	220	5.2350	-.61
409	4.8150 R	-1.85	185	5.2950	.62	037	5.2950	-.35	157	5.4300	1.34	057	5.2300	-.66
			351	5.3085	.61	028	5.2700	-.36	131	5.4250	1.24	142	5.2350	-.70
--	Method 002.99	--	102	5.2903	.42	034	5.2850	-.39	025	5.4150	1.22	395	5.2350	-.75
391	5.2450	.87	326	5.2650	.20	043	5.2500	-.61	356	5.4150	1.18	177	5.2205	-.75

* 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
--	Method 010.XX	--	--	Method 020.20	--	--	Method 020.XX	--	--	Method 030.20	--	--	Method 040.99	--
296	5.2200	-.75	200	25.625	.59	389	28.740 s	8.70	220	0.3300	.71	090	25.235	1.13
393	5.2200	-.76	288	25.610	.54	330	27.720 s	6.08				Avg	25.205	
029	5.2200	-.76	395	25.475	.23	262	26.250 R	2.34	--	Method 030.40	--	247	25.175	-.48
070	5.2200	-.81	Avg	25.444		114	26.300	2.33	409	0.3850	.95			
275	5.2200	-.85	292	25.400	-.21	162	25.980 R	1.67	Avg	0.3725		--	Method 040.XX	--
232	5.2100	-.85	220	25.400	-.29	390	25.510 R	.87	247	0.3600	-.78	372	25.760	1.59
095	5.1950	-1.01	376	25.295	-.50	232	25.760	.86				405	25.725	1.50
148	5.1900	-1.05	369	25.360	-.58	394	25.720	.76	--	Method 030.99	--	289	25.480	.57
361	5.1850	-1.10	334	25.200	-.79	392	25.700	.74	391	25.950	1.28	Avg	25.326	
157	5.1800	-1.14	309	24.600	-2.72	362	25.705	.73	Avg	10.073		394	25.305	-.12
324	5.1850	-1.17	324	24.515 s	-3.01	090	25.690	.69	320	3.8150	-.51	090	25.235	-.41
028	5.1750	-1.19				361	25.690	.68	090	0.4550	-.78	409	25.210	-.44
211	5.1800	-1.20	--	Method 020.30	--	142	25.685	.67				247	25.175	-.55
009	5.1750	-1.27	416	25.682	.71	416	25.682	.66	--	Method 030.XX	--	220	25.070	-.97
376	5.1700	-1.27				320	25.680	.65	391	25.950	1.90	234	24.975	-1.32
330	5.1500	-1.51	--	Method 020.40	--	289	25.670	.63	Avg	5.4960				
137	5.1350	-1.61	394	25.720	1.21	356	25.640	.62	320	3.8150 R	-.16	--	Method 041.10	--
234	5.1300	-1.63	142	25.685	.83	200	25.625	.51	090	0.4550	-.47	211	25.865	1.81
390	5.1550 R	-1.72	289	25.670	.58	288	25.610	.47	409	0.3850	-.47	296	25.785	1.56
073	5.1100	-1.84	Avg	25.619		409	25.595	.43	247	0.3600	-.48	041	25.305 R	1.33
309	4.7500 s	-5.32	409	25.595	-.32	148	25.540	.28	220	0.3300	-.48	254	25.565	.94
			247	25.540	-.89	247	25.540	.28				057	25.430 R	.87
--	Method 020.10	--	035	25.505	-1.46	035	25.505	.26	--	Method 040.10	--	233	25.535	.77
114	26.300	1.48				395	25.475	.20	405	25.725	-.71	131	25.400	.40
162	25.980	1.05	--	Method 020.50	--	Avg	25.432					029	25.360	.23
148	25.540	.13	389	28.740 S	8.80	292	25.400	-.16	--	Method 040.20	--	009	25.315	.14
Avg	25.464		330	27.720 S	6.32	220	25.400	-.23	372	25.760	1.27	102	25.310	.07
157	25.112	-.65	361	25.690	1.24	300	25.420	-.37	Avg	25.268		Avg	25.288	
095	25.000	-.80	Avg	25.189		376	25.295	-.38	220	25.070	-.54	414	25.270	-.06
313	24.850	-1.06	157	25.016	-.47	369	25.360	-.46	234	24.975	-.78	040	25.255	-.13
			402	24.860	-.86	334	25.200	-.61				177	25.238	-.16
--	Method 020.20	--				157	25.112	-.91	--	Method 040.40	--	055	25.230	-.18
262	26.250 s	2.83	--	Method 020.99	--	157	25.016	-1.11	289	25.480	1.19	049	25.250	-.36
390	25.510 R	1.05	090	25.690	.64	095	25.000	-1.14	Avg	25.332		185	25.270	-.41
232	25.760	1.02	320	25.680	.50	402	24.860	-1.53	394	25.305	-.29	326	25.085	-.64
392	25.700	.88	Avg	25.597		313	24.850	-1.54	409	25.210	-1.00	322	25.050	-.74
362	25.705	.85	300	25.420	-1.36	309	24.600	-2.19				028	25.010	-.88
356	25.640	.72				324	24.515	-2.43				137	24.385	-2.83

* 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
--	Method 041.20	--	--	Method 041.60	--	--	Method 041.XX	--	--	Method 050.00	--	--	Method 050.50	--
415	25.973	1.34	262	19.750 s	-25.56	027	25.013	-.70	211	30.345	.31	Avg	29.273	
397	25.817	.95				028	25.010	-.72	029	30.270	.08	157	28.756	-.89
Avg	25.415		--	Method 041.XX	--	095	25.060	-.72	Avg	30.261		402	26.195 S	-4.95
106	25.140	-.66	415	25.973	2.30	025	25.010	-.75	350	30.255	-.06	106	25.265 S	-6.44
055	25.130	-.67	211	25.865	1.93	362	25.015	-.78	131	30.200	-.23			
362	25.015	-.96	397	25.817	1.80	028	24.980	-.81	148	30.170	-.34	--	Method 050.51	--
			296	25.785	1.68	037	24.930	-.96	414	30.160	-.39	070	30.290	1.46
--	Method 041.30	--	034	25.715	1.49	360	24.965	-1.00	043	30.135	-.47	389	30.300	.49
260	25.215	.71	041	25.305 R	1.32	361	24.455	-2.41	162	30.160 R	-.71	377	30.250	.39
			296	25.605	1.13	137	24.385	-2.63	372	30.045	-.81	361	30.265	.25
--	Method 041.40	--	254	25.565	1.06	393	24.115 s	-3.46	028	30.035	-.84	Avg	30.234	
034	25.715	1.75	057	25.430 R	.94	070	23.420 s	-5.65	220	29.905 R	-1.43	393	30.065	-1.39
131	25.280	.18	233	25.535	.91	262	19.750 s	-16.89	326	29.825	-1.63			
Avg	25.230		397	25.414	.55				233	29.805	-1.71	--	Method 050.60	--
029	25.130	-.37	131	25.400	.53	--	Method 048.20	--	296	29.785	-1.79	390	31.740	1.71
027	25.013	-.77	185	25.270	.41	362	22.245	.71				415	31.187	1.08
025	25.010	-.83	029	25.360	.37				--	Method 050.10	--	309	30.850	.55
			049	25.250	.34	--	Method 048.99	--	322	30.575	-.71	055	30.600	.18
--	Method 041.50	--	009	25.315	.26	275	24.845 X	.87				131	30.595	.17
325	25.295	.99	102	25.310	.22	Avg	23.425		--	Method 050.30	--	Avg	30.464	
360	24.965	.47	325	25.295	.17	394	22.005	-.87	114	45.895 s	26.53	288	30.315	-.20
Avg	24.905		288	25.285	.16				185	30.600	1.40	356	29.840	-.83
361	24.455	-1.14	131	25.280	.13	--	Method 048.XX	--	137	30.600	1.37	289	29.750	-.97
393	24.115 S	-2.00	414	25.270	.10	275	24.845 X	1.29	405	30.210	.73	200	29.300	-1.54
070	23.420 S	-3.82	040	25.255	.09	Avg	23.032		040	30.150	.70			
			Avg	25.239		362	22.245	-.56	234	30.130	.63	--	Method 050.61	--
--	Method 041.60	--	177	25.238	-.04	394	22.005	-.73	136	29.875	.21	034	31.325	1.99
296	25.605	2.05	055	25.230	-.04				Avg	29.770		Avg	30.432	
397	25.414	1.15	260	25.215	-.08	--	Method 050.00	--	142	29.445	-.54	025	30.360	-.18
288	25.285	.55	029	25.130	-.35	049	30.780	1.94	095	29.255	-.85	035	30.420	-.20
Avg	25.171		106	25.140	-.37	055	30.670	1.53	157	29.176	-.98	037	30.270	-.38
177	25.114	-.28	055	25.130	-.38	416	30.599	1.29	397	29.131	-1.08	028	30.260	-.40
073	25.115	-.37	177	25.114	-.39	057	30.480	.83	262	28.900	-1.43	029	29.955	-1.07
043	25.110	-.40	073	25.115	-.42	009	30.450	.71	351	27.680 S	-3.44	041	28.580 S	-4.31
377	25.100	-.58	043	25.110	-.44	073	30.390	.49	292	24.405 s	-8.83			
095	25.060	-.88	326	25.085	-.48	392	30.360	.41				--	Method 050.99	--
028	24.980	-.92	377	25.100	-.53	345	30.360	.40	--	Method 050.50	--	330	32.090 s	5.72
037	24.930	-1.16	322	25.050	-.58	102	30.358	.36	324	29.790	.84	391	30.800	1.64

* 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
--	Method 050.99	--	--	Method 050.XX	--	--	Method 050.XX	--	--	Method 060.XX	--	--	Method 121.XX	--
360	30.545	1.08	394	30.415	.67	220	29.905	-.68	Avg	0.5237		102	0.3645	1.24
300	30.420	.87	009	30.450	.65	136	29.875	-.68	361	0.4200	-.88	131	0.3638	1.06
395	30.420	.85	177	30.433	.62	376	29.855	-.71	416	0.4099	-.96	247	0.3550	.60
394	30.415	.72	035	30.420	.61	247	29.845	-.74				057	0.3526	.39
177	30.433	.65	070	30.290	.52	356	29.840	-.77	--	Method 101.00	--	Avg	0.3468	
325	30.250	.13	073	30.390	.51	326	29.825	-.78	043	0.5300	.71	043	0.3350	-.80
027	30.215	.09	392	30.360	.46	233	29.805	-.83				009	0.3308	-1.01
Avg	30.204		025	30.360	.45	296	29.785	-.88	--	Method 101.30	--	035	0.3260	-1.30
232	30.185	-.07	345	30.360	.45	324	29.790	-.88	057	0.6561	1.40			
090	30.090	-.32	102	30.358	.44	289	29.750	-1.02	247	0.6350	.81	--	Method 131.99	--
260	30.080	-.56	211	30.345	.41	142	29.445	-1.64	102	0.6250	.70	040	0.0113	.71
254	30.105	-.68	288	30.315	.34	369	29.395	-1.84	Avg	0.6227				
376	29.855	-.96	389	30.300	.31	200	29.300	-1.98	009	0.6221	-.54	--	Method 144.01	--
247	29.845	-.99	037	30.270	.27	095	29.255	-2.07	131	0.6030	-.83	288	1.0400	1.06
369	29.395	-2.33	028	30.260	.24	157	29.176	-2.25	035	0.5950	-1.19	Avg	0.9991	
362	28.960 A	-3.57	029	30.270	.24	397	29.131	-2.38				043	0.9950	-.66
275	28.505 s	-5.13	361	30.265	.23	362	28.960 R	-2.87	--	Method 101.XX	--	102	0.9624	-.96
			377	30.250	.22	262	28.900	-2.88	057	0.6561	1.16			
--	Method 050.XX	--	350	30.255	.21	157	28.756 A	-3.24	247	0.6350	.73	--	Method 144.70	--
114	45.895 s	35.76	325	30.250	.19	041	28.580 s	-3.82	102	0.6250	.56	393	0.9950	.71
330	32.090 s	4.80	405	30.210	.17	275	28.505 s	-4.16	009	0.6221	.45			
390	31.740 A	3.62	027	30.215	.13	351	27.680 s	-5.65	Avg	0.6094		--	Method 144.99	--
034	31.325	2.64	131	30.200	.08	402	26.195 s	-9.03	131	0.6030	-.16	035	1.0850	1.56
415	31.187 R	2.48	232	30.185	.06	106	25.265 s	-11.14	035	0.5950	-.39	Avg	0.9814	
309	30.850	1.59	148	30.170	.02	292	24.405 s	-13.10	043	0.5300	-1.98	247	0.9750	-.12
391	30.800	1.44	Avg	30.166								361	0.9450	-.53
049	30.780	1.40	414	30.160	-.07	--	Method 060.00	--	--	Method 121.00	--	009	0.9206	-.87
055	30.670	1.15	043	30.135	-.07	362	0.6500	1.30	043	0.3350	.71			
185	30.600	1.09	090	30.090	-.18	Avg	0.4933					--	Method 144.XX	--
416	30.599	1.00	372	30.045	-.28	361	0.4200	-.60	--	Method 121.30	--	035	1.0850	1.89
322	30.575	.99	028	30.035	-.30	416	0.4099	-.68	102	0.3645	1.10	288	1.0400	.94
055	30.600	.99	393	30.065	-.30				131	0.3638	.91	043	0.9950	.48
137	30.600	.99	234	30.130	-.31	--	Method 060.99	--	247	0.3550	.49	393	0.9950	.30
131	30.595	.98	162	30.160	-.36	320	0.6150	.71	057	0.3526	.27	Avg	0.9897	
360	30.545	.97	260	30.080	-.41				Avg	0.3488		247	0.9750	-.29
300	30.420	.78	040	30.150	-.43	--	Method 060.XX	--	009	0.3308	-1.10	102	0.9624	-.52
395	30.420	.76	029	29.955	-.50	362	0.6500	1.09	035	0.3260	-1.39	361	0.9450	-.84
057	30.480	.72	254	30.105	-.53	320	0.6150	.78				009	0.9206	-1.29

* 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
--	Method 151.30	--	--	Method 181.99	--	--	Method 191.30	--	--	Method 202.XX	--	--	Method 221.99	--
247	6.7500	.69	409	2.0000 S	.00	102	275.29	.59	023	5.8500 X	.25	409	0.0013 S	.00
Avg	6.4250					Avg	267.87		397	5.5038	.16	Avg	0.1200	
023	6.1000 X	-1.01	--	Method 181.XX	--	035	257.50	-.87	Avg	5.3925		--	Method 221.XX	--
			389	120.00	1.65	376	241.00	-1.43	389	5.2500	-.08	--	Method 221.XX	--
--	Method 151.99	--	102	110.95 R	.72				232	5.2500	-.16	106	1.1315 s	146.29
040	6.7250	.91	397	111.90 X	.70	--	Method 191.XX	--	324	4.8000	-.35	395	0.1500 s	5.64
376	6.2650	.34	324	111.50	.66	009	286.08	1.16	409	3.0000	-1.32	102	0.1202	1.37
Avg	5.9967		247	111.00	.60	247	279.50	.80	320	2.0000	-1.88	330	0.1200	1.35
			106	110.50	.57	102	275.29	.72				300	0.1200	1.35
--	Method 151.XX	--	009	108.94	.36	Avg	264.37		--	Method 221.00	--	389	0.1150	.95
247	6.7500	.88	232	106.00	.12	035	257.50	-.76	395	0.1500 S	12.90	023	0.1154 X	.71
040	6.7250	.77	Avg	105.90		397	246.83	-.94	028	0.1150	.99	040	0.1135	.67
376	6.2650	.16	157	102.50	-.40	376	241.00	-1.24	029	0.1134 X	.48	028	0.1150	.63
Avg	6.1680		035	95.150	-1.27				Avg	0.1121		009	0.1129	.59
023	6.1000 X	-.70	023	94.000 X	-1.39	--	Method 202.00	--	086	0.1115	-.87	057	0.1142	.55
409	5.0000	-1.62	376	93.400	-1.51	397	5.5038	.71	095	0.1085	-1.23	247	0.1125	.45
			409	2.0000 s	-12.17							029	0.1134 X	.40
--	Method 165.99	--	--	Method 190.00	--	--	Method 202.30	--	--	Method 221.30	--	086	0.1115	.38
009	0.0202	-.71	027	23.270	.85	009	9.1900 s	6.32	106	1.1315 s	136.98	Avg	0.1106	
			Avg	22.735		040	6.3500	1.23	102	0.1202	1.42	095	0.1085	-.31
--	Method 181.00	--	043	22.200	-.88	102	6.1235	.85	330	0.1200	1.39	035	0.1080	-.40
397	111.90 X	.71				247	6.0000	.61	389	0.1150	.99	402	0.1045	-.95
			--	Method 190.99	--	023	5.8500 X	.35	023	0.1154 X	.80	324	0.1050	-1.08
--	Method 181.30	--	009	23.139	-.71	Avg	5.6605		040	0.1135	.72	131	0.1028	-1.14
389	120.00	1.66				389	5.2500	-.74	057	0.1142	.64	232	0.1013	-1.34
102	110.95	.72	--	Method 190.XX	--	232	5.2500	-.86	009	0.1129	.64	157	0.1000	-1.52
324	111.50	.67	027	23.270	.76	324	4.8000	-1.58	247	0.1125	.51	393	0.0988	-1.69
247	111.00	.61	009	23.139	.51				Avg	0.1096		409	0.0013 s	-15.67
106	110.50	.58	Avg	22.870		--	Method 202.99	--	035	0.1080	-.25			
009	108.94	.37	043	22.200	-1.29	409	3.0000	.87	402	0.1045	-.76	--	Method 241.00	--
232	106.00	.12				Avg	2.5000		324	0.1050	-.91	395	1.4600 s	5.65
Avg	105.81		--	Method 191.00	--	320	2.0000	-.87	131	0.1028	-.93	055	1.2550	1.78
157	102.50	-.39	397	246.83	.71				232	0.1013	-1.11	086	1.2350	1.38
035	95.150	-1.26	--	Method 191.30	--	--	Method 202.XX	--	157	0.1000	-1.29	029	1.2225 X	1.14
023	94.000 X	-1.38	009	286.08	.99	009	9.1900	2.10	393	0.0988	-1.45	043	1.1800	.66
376	93.400	-1.50	247	279.50	.62	040	6.3500	.53				040	1.1710	.57
						102	6.1235	.41	--	Method 221.99	--	136	1.1750	.37
						247	6.0000	.34	300	0.1200	.00	028	1.1650	.29

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 241.00	--	--	Method 241.99	--	--	Method 241.XX	--	--	Method 251.XX	--	--	Method 289.30	--
Avg	1.1623		300	0.8400	-1.12	232	0.9900	-.98	040	12.335	-.24	106	9.7000	-.78
296	1.1450	-.34				292	0.9300	-1.43	247	9.5000	-1.44	324	8.6000	-1.71
369	1.1450	-.34	--	Method 241.XX	--	114	0.8850	-1.79	409	8.0000	-2.08			
289	1.1415	-.41	247	1.6250 s	3.73	300	0.8400	-2.09				--	Method 289.99	--
073	1.1400	-.57	395	1.4600	2.50	402	0.7565	-2.72	--	Method 261.30	--	040	9.4500	.88
095	1.1300	-.64	330	1.3000	1.32	405	0.6300 s	-3.65	035	0.2340 s	79.72	Avg	7.7250	
220	1.1300 R	-1.29	106	1.2550	.99				009	0.0480 R	2.24	409	6.0000	-.85
397	1.0983	-1.31	055	1.2550	.99	--	Method 251.00	--	247	0.0490	1.28			
177	1.0695	-1.80	409	1.2450	.91	397	13.824	.71	Avg	0.0448		--	Method 289.XX	--
114	0.8850 s	-5.34	086	1.2350	.83				102	0.0434	-.42	009	16.515 s	3.55
405	0.6300 s	-10.11	234	1.2300	.83	--	Method 251.30	--	131	0.0420	-.83	157	11.800	.99
			360	1.1900 R	.77	324	24.000 s	5.57				247	11.750	.97
--	Method 241.30	--	029	1.2225 X	.74	009	16.115	1.62	--	Method 281.00	--	102	11.129 R	.76
247	1.6250 s	3.91	131	1.2050	.62	232	13.850	.51	232	25.500	.71	232	11.050	.60
330	1.3000	1.52	043	1.1800	.48	023	14.150 X	.47				057	11.000	.57
106	1.2550	1.19	324	1.1800	.45	102	13.937	.34	--	Method 281.99	--	Avg	9.9188	
409	1.2450	1.12	220	1.1300	.45	389	13.500	.27	300	24.475	.86	106	9.7000	-.12
360	1.1900 R	.92	040	1.1710	.42	Avg	13.300		296	23.920	.67	040	9.4500	-.34
131	1.2050	.82	009	1.1725	.42	106	13.000	-.43	Avg	21.909		324	8.6000	-.71
324	1.1800	.65	136	1.1750	.40	157	12.350	-.48	040	21.540	-.14	409	6.0000	-2.06
009	1.1725	.61	028	1.1650	.33	247	9.5000	-1.94	376	17.700	-1.51			
023	1.1640	.52	023	1.1640	.31							--	Method 291.00	--
057	1.1371	.32	073	1.1400	.20	--	Method 251.99	--	--	Method 281.XX	--	397	158.91	.71
157	1.1048	.08	296	1.1450	.17	040	12.335	.87	232	25.500	.95			
Avg	1.0938		369	1.1450	.17	Avg	10.168		300	24.475	.61	--	Method 291.30	--
102	1.0931	-.26	289	1.1415	.15	409	8.0000	-.86	296	23.920	.43	102	160.07	1.62
376	1.0300	-.47	057	1.1371	.13				Avg	22.627		247	155.00	1.12
389	1.0250	-.51	095	1.1300	.09	--	Method 251.XX	--	040	21.540	-.36	040	143.95 R	.74
394	1.0110	-.61	Avg	1.1226		324	24.000 s	5.00	376	17.700	-1.71	009	143.62	.04
035	0.9960	-.72	157	1.1048	-.13	009	16.115	1.59				157	142.50	-.11
232	0.9900	-.77	397	1.0983	-.26	023	14.150 X	.62	--	Method 289.30	--	324	135.50	-.90
292	0.9300	-1.21	102	1.0931	-.34	232	13.850	.59	009	16.515 s	4.97	376	134.00	-.95
402	0.7565	-2.49	177	1.0695	-.42	102	13.937	.51	157	11.800	.95	232	134.00	-.95
			376	1.0300	-.69	397	13.824	.45	247	11.750	.93	023	10.500 s	-12.98
--	Method 241.99	--	389	1.0250	-.72	389	13.500	.38	102	11.129 R	.75			
234	1.2300	.90	394	1.0110	-.83	106	13.000	.36	232	11.050	.33	--	Method 291.99	--
320	1.1044	.66	320	1.1044 R	-.90	Avg	12.778		057	11.000	.29	035	121.00	.87
Avg	1.0581		035	0.9960	-.94	157	12.350	-.19	Avg	10.650				

* 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>
--	Method 291.99	--	--	Method 321.00	--	--	Method 321.XX	--						
Avg	74.500		395	0.3300	1.84	102	0.3029	.90						
409	28.000	-.86	Avg	0.2801		402	0.2915 R	.85						
			029	0.2730	-.26	157	0.3000	.74						
--	Method 291.XX	--	086	0.2700	-.37	131	0.2990	.70						
102	160.07	.78	028	0.2705	-.38	376	0.2950	.56						
397	158.91	.76	095	0.2570	-.88	009	0.2842	.29						
247	155.00	.67				292	0.2850	.23						
040	143.95	.47	--	Method 321.30	--	Avg	0.2832							
009	143.62	.44	106	3.1110 s	126.41	247	0.2810	-.10						
157	142.50	.42	330	0.3300	2.07	040	0.2825	-.30						
324	135.50	.29	035	0.3085	1.07	324	0.2750	-.42						
376	134.00	.25	102	0.3029	.85	300	0.2750	-.42						
232	134.00	.25	402	0.2915 R	.84	029	0.2730	-.44						
Avg	122.25		157	0.3000	.68	028	0.2705	-.57						
035	121.00	-.09	131	0.2990	.65	086	0.2700	-.57						
409	28.000	-1.94	376	0.2950	.51	389	0.2650	-.82						
023	10.500 X	-2.30	292	0.2850	.22	057	0.2596	-1.03						
			Avg	0.2847		095	0.2570	-1.17						
--	Method 301.30	--	247	0.2810	-.17	232	0.2550	-1.28						
023	2.5500	.71	009	0.2842	-.30	023	0.2483 X	-1.53						
			040	0.2825	-.33	320	0.2371 R	-2.18						
--	Method 301.99	--	324	0.2750	-.49	409	0.0084 s	-12.01						
376	0.2200	.86	389	0.2650	-.91									
Avg	0.1500		057	0.2596	-1.13									
040	0.0800	-.87	232	0.2550	-1.38									
			023	0.2483 X	-1.63									
--	Method 301.XX	--												
023	2.5500	1.29	--	Method 321.99	--									
Avg	0.9500		300	0.2750	.72									
376	0.2200	-.58	Avg	0.2560										
040	0.0800	-.70	320	0.2371	-.99									
			409	0.0084 S	-9.13									
--	Method 311.99	--												
102	0.4245	1.22	--	Method 321.XX	--									
009	0.3645	.27	106	3.1110 s	123.55									
Avg	0.3475		330	0.3300	2.09									
035	0.3410	-.11	395	0.3300	2.05									
247	0.2600	-1.38	035	0.3085	1.11									

* 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	7	-0.1122	1.00	0.05	050.99	18	-0.1614	2.06	0.87
001.99	7	0.0000	0.99	0.29	050.XX	76	-0.0646	4.93	0.44
001.XX	14	-0.1230	1.07	0.22	060.00	3	0.0000	1.10	0.15
002.99	2	0.0000	1.22	0.01	060.XX	4	0.0000	1.07	0.15
002.XX	2	0.0000	1.22	0.01	101.30	6	0.0000	0.92	0.45
009.10	2	0.0000	1.12	0.35	101.XX	7	0.0000	1.00	0.27
009.XX	3	0.0000	1.07	0.27	121.30	6	0.0000	1.01	0.27
010.11	12	-0.0991	1.87	0.27	121.XX	7	0.0000	0.99	0.28
010.12	7	0.0000	0.96	0.37	144.01	3	0.0000	1.02	0.38
010.60	48	0.0288	1.04	0.35	144.99	4	0.0000	1.04	0.26
010.99	4	0.0000	1.07	0.14	144.XX	8	0.0000	0.98	0.31
010.XX	67	0.0113	1.28	0.38	151.30	2	0.0000	0.78	0.67
020.10	6	0.0000	1.00	0.28	151.99	3	0.0000	1.12	0.06
020.20	16	-0.0114	1.36	0.44	151.XX	5	0.0000	0.99	0.35
020.40	6	0.0000	0.96	0.39	181.30	11	0.0000	1.00	0.19
020.50	5	3.0133	4.29	0.40	181.XX	13	-0.8908	3.52	0.18
020.99	3	0.0000	0.92	0.52	190.00	2	0.0000	1.20	0.16
020.XX	36	0.5410	1.98	0.34	190.XX	3	0.0000	1.10	0.16
030.40	2	0.0000	0.86	0.62	191.30	5	0.0000	0.98	0.37
030.99	3	0.0000	1.12	0.01	191.XX	6	0.0000	0.98	0.34
030.XX	6	-0.0260	0.95	0.01	202.30	8	0.7877	2.42	0.27
040.20	3	0.0000	1.10	0.16	202.99	2	0.0000	1.22	0.00
040.40	3	0.0000	1.09	0.20	202.XX	11	0.0000	1.02	0.08
040.99	2	0.0000	0.67	0.73	221.00	5	2.5807	5.83	0.40
040.XX	9	0.0000	1.01	0.20	221.30	16	8.5611	34.26	0.39
041.10	20	0.0250	0.95	0.38	221.99	2	0.0000	0.00	0.00
041.20	5	0.0000	1.03	0.23	221.XX	23	5.9244	30.81	0.36
041.40	5	0.0000	1.04	0.20	241.00	18	-0.5744	3.15	0.44
041.50	5	-1.1528	1.86	0.35	241.30	19	0.2427	1.31	0.18
041.60	11	-2.3238	7.76	0.31	241.99	3	0.0000	1.02	0.37
041.XX	40	-0.6729	2.97	0.36	241.XX	40	0.0109	1.26	0.22
048.99	2	0.0000	1.22	0.04	251.30	9	0.6031	2.02	0.55
048.XX	3	0.0000	1.12	0.05	251.99	2	0.0000	1.22	0.09
050.00	23	-0.0741	1.00	0.21	251.XX	12	0.4065	1.69	0.41
050.30	14	1.0189	7.79	0.17	261.30	5	11.3249	24.80	25.54
050.50	4	-2.8466	3.41	0.21	261.XX	5	11.3249	24.80	25.54
050.51	5	0.0000	0.71	0.71	281.99	4	0.0000	1.02	0.31
050.60	9	0.0000	1.00	0.23	281.XX	5	0.0000	1.01	0.28
050.61	7	-0.5900	1.83	0.48	289.30	8	0.6545	1.91	0.47

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
289.99	2	0.0000	1.20	0.16					
289.XX	10	0.4110	1.42	0.28					
291.30	9	-1.4370	4.42	0.32					
291.99	2	0.0000	1.22	0.05					
291.XX	12	0.0000	1.02	0.07					
301.99	2	0.0000	1.22	0.09					
301.XX	3	0.0000	1.11	0.12					
311.99	4	0.0000	1.08	0.06					
311.XX	4	0.0000	1.08	0.06					
321.00	5	0.0000	1.05	0.11					
321.30	17	7.4536	30.67	0.29					
321.99	3	-3.0429	5.32	0.42					
321.XX	24	5.0790	25.25	0.30					