

- Pass 1 Results for 168 Labs - - Pass 2 Results for 167 Labs -

NPN, Automated		AOAC		Method		18th		Method		Code		Labs		Grand		Std.		Avg.		Labs		Grand		Std.		Avg.		Labs		No.	
Urea, Misc		000.99		000.03		1		2.82000		0.04000		1		2.82000		0.02828		0.04000		1		2.82000		0.02828		0.04000		1		1	
Loss on Drying, ISO 6496		001.03		1		7.75000		0.00000		0.00000		1		7.75000		0.00000		0.00000		1		7.75000		0.00000		0.00000		1		1	
Loss on Drying, 104 deg 3 hr, in malt		935.29		001.07		26		8.03321		0.29013		0.10842		8.03124		0.28111		0.07083		23		8.03124		0.28111		0.07083		23		23	
Loss on Drying, 102 deg 16 hr, in meat		950.46		001.08		1		8.17000		0.08485		0.12000		8.17000		0.08485		0.12000		1		8.17000		0.08485		0.12000		1		1	
Loss on Drying, Misc		001.99		13		7.82044		0.40897		0.18206		7.77214		0.37727		0.14723		0.09813		45		7.98765		0.36706		0.09813		45		45	
Protein, Crude		954.01		002.00		4		24.2413		0.45379		0.19250		24.2413		0.45379		0.19250		4		24.2413		0.45379		0.19250		4		4	
Protein, Auto Kjehl-Foss		976.05		002.01		7		24.1141		0.21710		0.09300		24.1141		0.21710		0.09300		7		24.1141		0.21710		0.09300		7		7	
Protein, Semiauto Autoanalyzer		976.06		002.02		8		24.0506		0.40903		0.29813		24.0006		0.31014		0.14071		8		24.0006		0.31014		0.14071		8		8	
Protein, Copper Cat		984.13		002.04		1		23.3250		0.12021		0.17000		23.3250		0.12021		0.17000		1		23.3250		0.12021		0.17000		1		1	
Protein, Copper, Boric Acid		002.05		14		23.9394		0.33608		0.06225		23.9394		0.33608		0.06225		0.33608		14		23.9394		0.33608		0.06225		14		14	
Protein, Combustion Nitrogen Analyzer		990.03		002.06		110		24.5133		0.39139		0.16355		24.5140		0.38387		0.14060		106		24.5140		0.38387		0.14060		106		106	
Protein, Cu/Ti		988.05		002.08		4		24.2645		0.42946		0.06150		24.2645		0.42946		0.06150		4		24.2645		0.42946		0.06150		4		4	
Protein, Block dig/distillation		002.10		6		24.3017		0.56616		0.28333		24.2320		0.51529		0.08000		0.08000		5		24.2320		0.51529		0.08000		5		5	
Protein, NIR		002.11		3		24.7280		0.09798		0.11000		24.7280		0.09798		0.11000		0.08000		3		24.7280		0.09798		0.11000		3		3	
Protein, Misc		002.99		3		24.3271		0.35933		0.04750		24.3271		0.35933		0.04750		0.04750		3		24.3271		0.35933		0.04750		3		3	
Method Group 002.XX PCT		160		154		24.3946		0.44083		0.15786		24.3903		0.43277		0.12643		0.12643		154		24.3903		0.43277		0.12643		154		154	
Fat, Eth Ext, Direct		920.39		003.00		22		5.42141		0.21072		5.40330		0.19927		0.05268		0.05268		20		5.40330		0.19927		0.05268		20		20	
Fat, Ind Eth Ext (13th ed), Indirect		920.39		003.01		1		4.89000		0.09899		0.14000		4.89000		0.09899		0.14000		1		4.89000		0.09899		0.14000		1		1	
Fat, Pet Ether		003.06		15		5.32333		0.17173		0.13200		5.32000		0.16504		0.10714		0.10714		14		5.32000		0.16504		0.10714		14		14	
Fat, Soxtec, Eth Ext		003.09		20		5.36114		0.11018		0.05922		5.35633		0.10778		0.05033		0.05033		19		5.35633		0.10778		0.05033		19		19	
Fat, Soxtec, Pet Ether		003.10		20		5.29464		0.14590		0.09398		5.28909		0.14090		0.07893		0.07893		19		5.28909		0.14090		0.07893		19		19	
Fat, NIR		003.11		5		5.86995		0.24044		0.05858		5.91913		0.24670		0.06382		0.06382		6		5.91913		0.24670		0.06382		6		6	
Fat, Hexane Ext.		003.12		1		5.55000		0.35355		0.50000		5.55000		0.35355		0.50000		0.50000		1		5.55000		0.35355		0.50000		1		1	
Fat, Soxtec, Hexane Ext.		003.13		6		5.40858		0.28709		0.10717		5.40858		0.28709		0.10717		0.10717		6		5.40858		0.28709		0.10717		6		6	
Fat, Ankom		003.14		9		5.27111		0.22476		0.13556		5.27111		0.22476		0.13556		0.13556		9		5.27111		0.22476		0.13556		9		9	
Fat, Misc		003.99		6		5.41917		0.24927		0.18833		5.41917		0.24927		0.18833		0.18833		6		5.41917		0.24927		0.18833		6		6	
Method Group 003.XX PCT		105		100		5.37555		0.22759		0.10070		5.37005		0.22607		0.08935		0.08935		100		5.37005		0.22607		0.08935		100		100	
Fiber, Crude Asbestos Free		962.09		004.00		22		2.12557		0.38593		2.10171		0.36432		0.05076		0.05076		19		2.10171		0.36432		0.05076		19		19	
Fiber, Fritted Glass		978.10		004.03		1		2.82500		0.19092		2.82500		0.19092		0.27000		0.27000		1		2.82500		0.19092		0.27000		1		1	
Fiber, Fibertec		004.06		19		2.16717		0.23226		0.16582		2.15145		0.21612		0.14058		0.14058		18		2.15145		0.21612		0.14058		18		18	
Fiber, ANKOM		004.07		34		2.01015		0.28283		0.10324		1.98941		0.31273		0.09235		0.09235		34		1.98941		0.31273		0.09235		34		34	
Fiber, NIR		004.11		6		2.78530		0.58392		0.08960		2.78530		0.58392		0.08960		0.08960		6		2.78530		0.58392		0.08960		6		6	
Fiber, Misc		004.99		3		1.82000		0.15492		0.06667		1.82000		0.15492		0.06667		0.06667		3		1.82000		0.15492		0.06667		3		3	
Method Group 004.XX PCT		85		80		2.13271		0.38762		0.11285		2.12619		0.38330		0.09553		0.09553		80		2.12619		0.38330		0.09553		80		80	
Ash,		942.05		005.00		105		7.39188		0.15184		7.39507		0.15199		0.03887		0.03887		101		7.39507		0.15199		0.03887		101		101	

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Ash, NIR		005.11	4	7.26263	0.23358	0.10320	6	7.10008	0.30417	0.08213
Ash, Misc		005.99	8	7.42167	0.14081	0.04666	8	7.42167	0.14081	0.04666
Method Group 005.XX PCT			117	7.38950	0.15564	0.04634	113	7.39227	0.15595	0.04169
Sugar, TSI, Lane-Eynon (12th)	923.09	006.05	1	15.0100	0.01414	0.02000	1	15.0100	0.01414	0.02000
Fiber, Acid Detergent	973.18	008.02	11	3.23636	0.35638	0.10545	10	3.24750	0.36616	0.07300
Fiber, Acid Detergent-Hach		008.05	1	3.80000	0.00000	0.00000	1	3.80000	0.00000	0.00000
Fiber, Acid Detergent by ANKOM		008.08	17	3.01559	0.47114	0.14059	16	3.00719	0.48065	0.11812
Fiber, Acid Detergent Misc		008.99	4	3.19125	0.39179	0.25250	4	3.19125	0.39179	0.25250
Method Group 008.XX PCT			33	3.13424	0.44180	0.13818	31	3.13403	0.45212	0.11710
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	8.19500	0.24749	0.35000	1	8.19500	0.24749	0.35000
Fiber, Neutral Det-ENZ Pretreat		009.07	8	6.72187	1.13717	0.46125	8	6.72187	1.13717	0.46125
Fiber, Neutral Detergent by ANKOM		009.09	13	7.14692	0.97202	0.15077	12	7.19250	0.99548	0.11333
Method Group 009.XX PCT			22	7.04000	1.05283	0.27273	21	7.06095	1.07156	0.25714
Moisture, Karl-Fischer	966.20	010.03	4	6.53750	0.90161	0.15500	4	6.53750	0.90161	0.15500
Moisture, NIR		010.11	7	8.19660	1.20808	0.08877	7	8.19660	1.20808	0.08877
Moisture, Misc		010.99	9	8.24134	0.73585	0.05509	9	8.24134	0.73585	0.05509
Method Group 010.XX PCT			20	7.88492	1.15514	0.08686	20	7.88492	1.15514	0.08686
Loss on Drying, 135 deg 2 hr	930.15	011.01	67	9.52495	0.45044	0.12981	65	9.53218	0.44784	0.10703
Loss on Drying, High Temp Methods, Misc		011.99	1	9.09000	0.12728	0.18000	1	9.09000	0.12728	0.18000
Method Group 011.XX PCT			68	9.51856	0.45030	0.13055	66	9.52548	0.44784	0.10814
Starch, Polarimetric (Ewers)		012.00	5	24.4120	4.18884	0.20000	5	24.4120	4.18884	0.20000
Starch, Megazyme		012.01	2	21.2675	1.49335	1.00500	2	21.2675	1.49335	1.00500
Starch, Enzymatic		012.03	2	22.0700	0.55486	0.60000	2	22.0700	0.55486	0.60000
Starch, YSI Analyzer		012.04	5	22.2220	0.97147	0.18800	5	22.2220	0.97147	0.18800
Starch, NIR		012.11	5	27.3256	2.64387	0.19600	5	27.3256	2.64387	0.19600
Starch, Misc		012.99	1	18.1008	0.33679	0.47630	1	18.1008	0.33679	0.47630
Method Group 012.XX PCT			20	23.7287	3.55318	0.33031	20	23.7287	3.55318	0.33031
Fat, Mojonier, Bak Ext	954.02	013.02	30	6.54433	0.42710	0.13067	29	6.57552	0.39658	0.11931
Fat, Roese-Gottlieb	932.02	013.03	1	5.03500	0.07778	0.11000	1	5.03500	0.07778	0.11000
Fat, Roese-Gottlieb Modified		013.08	1	4.60000	0.18385	0.26000	1	4.60000	0.18385	0.26000
Fat, Soxtec-Acid Hydrolysis		013.10	10	6.05175	0.40309	0.11670	10	6.05175	0.40309	0.11670
Fat, Super Critical Fluid Extraction		013.11	2	4.96100	0.57123	0.26400	2	4.96100	0.57123	0.26400
Fat, NIR-Acid Hydrolysis		013.12	1	7.21000	0.19799	0.28000	1	7.21000	0.19799	0.28000
Fat, Pretreat or extended ext, misc		013.99	4	6.17313	0.72262	0.09375	4	6.17313	0.72262	0.09375
Method Group 013.XX PCT			49	6.29198	0.65258	0.13551	48	6.30556	0.65159	0.12875
Aluminum, ICP		015.00	10	108.385	16.0213	3.23240	10	108.385	16.0213	3.23240
Method Group 015.XX PPM			10	108.385	16.0213	3.23240	10	108.385	16.0213	3.23240
Arsenic, Misc		016.99	1	0.09871	0.01576	0.02229	1	0.09871	0.01576	0.02229
Boron, ICP		017.00	6	9.36417	1.89806	0.57500	6	9.36417	1.89806	0.57500

Feed Check Sample No. - 200922 Infant Pig Starter, Medicated
 Association of American Feed Control Officials

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Boron, Misc		017.99	2	10.4225	1.28095	0.98500	2	10.4225	1.28095	0.98500
Method Group 017.XX PPM			8	9.62875	1.78721	0.67750	8	9.62875	1.78721	0.67750
Calcium, Ox-Mn04 Vol	927.02	019.00	9	0.93799	0.04949	0.01216	9	0.93799	0.04949	0.01216
Calcium, At Abs Spect	968.08	019.01	36	0.95958	0.03623	0.01593	34	0.95808	0.03306	0.01269
Calcium, Semiauto (Autoanalyzer)		019.03	4	1.00613	0.04635	0.04025	4	1.00613	0.04635	0.04025
Calcium, ICP, Dry Ash		019.05	30	0.95308	0.05708	0.01666	30	0.95308	0.05708	0.01666
Calcium, EDTA		019.08	2	1.00250	0.01258	0.01500	2	1.00250	0.01258	0.01500
Calcium, ICP, Wet Ash		019.09	27	0.96211	0.05804	0.01801	26	0.96508	0.05670	0.01616
Calcium, Misc		019.99	4	0.94295	0.11584	0.02090	4	0.94295	0.11584	0.02090
Method Group 019.XX PCT			112	0.95855	0.05411	0.01735	109	0.95874	0.05345	0.01592
Chromium, AA		020.00	3	2.70488	0.38039	0.06603	3	2.70488	0.38039	0.06603
Chromium, ICP		020.01	7	4.95232	1.24902	0.35707	7	4.95232	1.24902	0.35707
Chromium, Misc		020.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Method Group 020.XX PPM			11	3.88917	1.89605	0.24524	11	3.88917	1.89605	0.24524
Cobalt, AA	968.08	021.01	3	1.12150	0.27766	0.09033	3	1.12150	0.27766	0.09033
Cobalt, ICP		021.02	11	0.98386	0.21290	0.10382	11	0.98386	0.21290	0.10382
Method Group 021.XX PPM			14	1.01336	0.22987	0.10093	14	1.01336	0.22987	0.10093
Copper, Color	947.03	022.00	1	133.500	0.14142	0.20000	1	133.500	0.14142	0.20000
Copper, AA	968.08	022.01	21	131.818	9.06009	3.04421	20	131.669	9.18560	2.66643
Copper, ICP, Dry Ash	968.08	022.03	24	134.199	9.40162	4.08087	23	134.088	9.45450	3.58978
Copper, ICP, Wet Ash	968.08	022.05	28	140.363	9.06697	3.91429	27	140.080	8.97857	3.46667
Copper, Misc		022.99	2	130.430	2.02158	2.02000	2	130.430	2.02158	2.02000
Method Group 022.XX PPM			76	135.704	9.67452	3.62776	73	135.533	9.65621	3.20183
Iron, AA	968.08	025.01	21	628.807	67.9474	15.5879	21	628.807	67.9474	15.5879
Iron, ICP, Dry Ash	968.08	025.03	26	626.380	44.8600	15.8431	25	624.887	44.4547	13.4296
Iron, ICP, Wet Ash	968.08	025.05	19	567.163	69.8986	11.4911	18	560.616	65.4172	8.90722
Iron, Misc		025.99	1	557.500	3.53553	5.00000	1	557.500	3.53553	5.00000
Method Group 025.XX PPM			67	609.319	65.8490	14.3671	65	607.319	65.5464	12.7449
Lead, Misc		026.00	1	1.10000	0.00000	0.00000	1	1.10000	0.00000	0.00000
Lead, Misc		026.99	1	0.91200	0.03111	0.04400	1	0.91200	0.03111	0.04400
Method Group 026.XX PPM			2	1.00600	0.11002	0.02200	2	1.00600	0.11002	0.02200
Magnesium, AA	968.08	027.01	23	0.21896	0.02592	0.00597	21	0.21813	0.02452	0.00430
Magnesium, ICP, Dry Ash	968.08	027.03	28	0.22114	0.02254	0.00371	27	0.22118	0.02288	0.00310
Magnesium, ICP, Wet Ash	968.08	027.05	21	0.18540	0.01655	0.00620	20	0.18493	0.01655	0.00519
Magnesium, Misc		027.99	3	0.19342	0.02272	0.00230	3	0.19342	0.02272	0.00230
Method Group 027.XX PCT			75	0.20936	0.02712	0.00504	71	0.20889	0.02687	0.00401
Manganese, AA	968.08	028.01	21	94.6254	7.31304	1.69617	21	94.6254	7.31304	1.69617
Manganese, ICP, Dry Ash	968.08	028.03	25	97.1196	4.87837	1.83284	23	96.9322	4.78610	1.41830
Manganese, ICP, Wet Ash	968.08	028.05	22	98.0002	6.20559	2.27955	22	98.0002	6.20559	2.27955

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Manganese, Misc		028.99	2	89.3400	2.17005	3.25000	2	89.3400	2.17005	3.25000
Method Group 028.XX PPM			70	96.4258	6.28975	1.97272	68	96.3420	6.29546	1.83663
Mercury, Misc		029.99	1	0.04871	0.02077	0.02938	1	0.04871	0.02077	0.02938
Phosphorus, Vol	964.06	031.00	1	0.75220	0.00410	0.00580	1	0.75220	0.00410	0.00580
Phosphorus, Photometric	965.17	031.01	36	0.75493	0.02078	0.01093	34	0.75490	0.02038	0.00855
Phosphorus, GQMP (2.028)	964.06	031.02	5	0.76293	0.00917	0.00822	5	0.76293	0.00917	0.00822
Phosphorus, Autoanalyzer		031.03	5	0.75180	0.01319	0.01120	5	0.75180	0.01319	0.01120
Phosphorus, ICP		031.05	50	0.74720	0.03656	0.01642	48	0.74725	0.03646	0.01456
Phosphorus, Hach Method		031.06	1	0.77500	0.00707	0.01000	1	0.77500	0.00707	0.01000
Phosphorus, Misc		031.99	7	0.73886	0.02793	0.01657	6	0.74283	0.02406	0.00767
Method Group 031.XX PCT			105	0.75058	0.02956	0.01375	100	0.75092	0.02911	0.01149
Potassium, AA	975.03	032.01	18	1.17208	0.06198	0.01447	18	1.17200	0.06198	0.01447
Potassium, Flame Emission	956.01	032.02	4	1.17625	0.04809	0.03750	4	1.17625	0.04809	0.03750
Potassium, ICP		032.05	46	1.19337	0.08029	0.02825	42	1.19109	0.08346	0.01844
Potassium, Misc		032.99	2	1.14265	0.04369	0.00670	2	1.14265	0.04369	0.00670
Method Group 032.XX PCT			70	1.18547	0.07410	0.02462	65	1.18043	0.07197	0.01805
Salt, Sol Cl	943.01	033.00	11	0.91641	0.06557	0.01582	11	0.91641	0.06557	0.01582
Salt, Poten Cl	969.10	033.01	25	0.91513	0.02824	0.00831	23	0.91341	0.02719	0.00381
Salt, Quantab		033.03	5	0.86200	0.07193	0.04800	5	0.86200	0.07193	0.04800
Salt, Misc		033.99	5	0.91400	0.07777	0.05200	5	0.91400	0.07777	0.05200
Method Group 033.XX PCT			46	0.90954	0.05302	0.01917	44	0.90838	0.05349	0.01731
Selenium, Fluor	969.06	034.01	1	0.60800	0.00283	0.00400	1	0.60800	0.00283	0.00400
Selenium, AA, Flame		034.03	1	0.46400	0.04667	0.06600	1	0.46400	0.04667	0.06600
Selenium, AA, Hydride		034.04	6	0.60896	0.07074	0.00682	6	0.60896	0.07074	0.00682
Selenium, ICP		034.05	3	0.68250	0.16455	0.01500	3	0.68250	0.16455	0.01500
Selenium, Misc		034.99	2	0.56179	0.02843	0.02980	2	0.56179	0.02843	0.02980
Method Group 034.XX PPM			13	0.60745	0.10552	0.01658	13	0.60745	0.10552	0.01658
Sodium, AA		035.00	18	0.34803	0.01883	0.00734	17	0.34644	0.01777	0.00601
Sodium, Ion Sel Electrode		035.01	2	0.36250	0.01448	0.00140	2	0.36250	0.01448	0.00140
Sodium, ICP		035.03	39	0.34919	0.02037	0.01156	37	0.34887	0.01969	0.00949
Sodium, Flame Emission	956.01	035.05	5	0.35970	0.01864	0.01060	4	0.36213	0.01729	0.00325
Sodium, Misc		035.99	2	0.32995	0.00074	0.00090	2	0.32995	0.00074	0.00090
Method Group 035.XX PCT			66	0.34949	0.01982	0.00971	62	0.34889	0.01918	0.00759
Sulfur, (Gravimetric)		036.00	1	0.32000	0.00000	0.00000	1	0.32000	0.00000	0.00000
Sulfur, ICP		036.03	19	0.32221	0.01630	0.00744	18	0.32261	0.01627	0.00619
Sulfur, IECO		036.04	2	0.32750	0.02363	0.01500	2	0.32750	0.02363	0.01500
Method Group 036.XX PCT			22	0.32259	0.01644	0.00779	21	0.32295	0.01641	0.00674
Zinc, AA	968.08	037.01	25	3732.00	306.400	89.0860	23	3700.32	285.901	69.0500
Zinc, ICP, Dry Ash	968.08	037.03	25	3713.74	301.668	74.7612	24	3706.30	304.132	65.3346

- Pass 1 Results for 168 Labs - - Pass 2 Results for 167 Labs -

Method	AOAC 18th	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Zinc, ICP, Wet Ash	968.08	037.05	28	3739.77	267.592	57.5530	28	3739.77	267.592	57.5530
Zinc, Misc		037.99	3	3834.19	455.364	66.4767	3	3834.19	455.364	66.4767
Method Group 037.XX PPM			81	3732.84	296.114	72.9271	78	3721.47	291.019	63.6807
Molybdenum, ICP		038.00	10	1.97593	0.49076	0.21725	9	1.94061	0.47913	0.13611
Molybdenum, Misc		038.99	1	2.05000	0.07071	0.10000	1	2.05000	0.07071	0.10000
Method Group 038.XX PPM			11	1.98266	0.46757	0.20659	10	1.95155	0.45475	0.13250
Nickel, AA		039.01	1	3.55000	0.07071	0.10000	1	3.55000	0.07071	0.10000
Nickel, ICP		039.02	4	3.83869	0.50835	0.23862	4	3.83869	0.50835	0.23862
Method Group 039.XX PPM			5	3.78095	0.46515	0.21090	5	3.78095	0.46515	0.21090
Barium, ICP		040.00	1	3.53500	0.00707	0.01000	1	3.53500	0.00707	0.01000
Vanadium, ICP		041.00	4	1.54638	0.17833	0.05925	3	1.60367	0.15216	0.00000
Method Group 041.XX PPM			4	1.54638	0.17833	0.05925	3	1.60367	0.15216	0.00000
Chlorotetracycline, Plate	967.39	051.00	10	370.881	26.0547	9.70000	10	370.881	26.0547	9.70000
Chlorotetracycline, HPLC		051.03	6	366.873	63.9477	10.6133	6	366.873	63.9477	10.6133
Method Group 051.XX G/TON			16	369.378	43.2550	10.0425	16	369.378	43.2550	10.0425
Tiamulin,		086.00	1	29.1000	0.48083	0.68000	1	29.1000	0.48083	0.68000
Tiamulin, Misc		086.99	1	31.5423	1.90912	2.69990	1	31.5423	1.90912	2.69990
Method Group 086.XX G/TON			2	30.3211	1.81112	1.68995	2	30.3211	1.81112	1.68995
Choline Chloride, Chem		101.01	1	1196.00	9.89949	14.0000	1	1196.00	9.89949	14.0000
Choline Chloride, HPLC		101.02	1	590.355	27.2590	38.5500	1	590.355	27.2590	38.5500
Choline Chloride, Misc		101.99	1	496.500	3.53553	5.00000	1	496.500	3.53553	5.00000
Method Group 101.XX MG/LB			3	760.952	339.842	19.1833	3	760.952	339.842	19.1833
Niacin, HPLC		102.02	1	0.01300	0.00000	0.00000	1	0.01300	0.00000	0.00000
Riboflavin, Fluorometric	970.65	104.00	2	4.52750	0.13623	0.22500	2	4.52750	0.13623	0.22500
Riboflavin, HPLC		104.03	2	3.75023	0.24039	0.11345	2	3.75023	0.24039	0.11345
Method Group 104.XX MG/LB			4	4.13886	0.45314	0.16923	4	4.13886	0.45314	0.16923
Thiamine, HPLC		105.00	3	1.88295	0.46601	0.16417	3	1.88295	0.46601	0.16417
Thiamine,	942.23	105.01	1	2.29000	0.12728	0.18000	1	2.29000	0.12728	0.18000
Method Group 105.XX MG/LB			4	1.98471	0.43925	0.16812	4	1.98471	0.43925	0.16812
Vitamin A, UV		106.01	1	1.59965	0.01732	0.02450	1	1.59965	0.01732	0.02450
Vitamin A, HPLC		106.02	10	2.74675	1.15851	0.16107	9	2.79972	1.20439	0.08786
Method Group 106.XX KU/LB			11	2.64246	1.15250	0.14865	10	2.67971	1.19763	0.08152
Vitamin B12,	952.20	107.00	2	12.0264	3.17921	3.17520	2	12.0264	3.17921	3.17520
Method Group 107.XX MCG/L			2	12.0264	3.17921	3.17520	2	12.0264	3.17921	3.17520
Vitamin D3, HPLC		108.02	3	1.42362	1.61392	0.21817	3	1.42362	1.61392	0.21817
Method Group 108.XX KU/LB			3	1.42362	1.61392	0.21817	3	1.42362	1.61392	0.21817
Vitamin E, HPLC		109.02	8	56.1079	26.0697	4.42427	7	54.4383	27.2814	2.15203
Vitamin E, Misc		109.99	1	48.5000	2.12132	3.00000	1	48.5000	2.12132	3.00000
Method Group 109.XX MG/KG			9	55.2626	24.6169	4.26602	8	53.6960	25.4844	2.25803

- Pass 1 Results for 168 Labs - - Pass 2 Results for 167 Labs -

Method	AOAC 18th	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Folic Acid,	944.12	113.01	2	1.51250	0.24185	0.19500	2	1.51250	0.24185	0.19500
Method Group 113.XX MG/KG			2	1.51250	0.24185	0.19500	2	1.51250	0.24185	0.19500
Biotin, Microbiological		114.01	3	0.21367	0.08905	0.01600	3	0.21367	0.08905	0.01600
Method Group 114.XX MG/KG			3	0.21367	0.08905	0.01600	3	0.21367	0.08905	0.01600
Alanine, Post-col Ninhydrin Der	994.12	120.00	7	1.24569	0.14820	0.01901	7	1.24569	0.14820	0.01901
Alanine, Pre-col AQC Der		120.05	2	1.00650	0.25469	0.05890	2	1.00650	0.25469	0.05890
Method Group 120.XX PCT			9	1.19254	0.19676	0.02788	9	1.19254	0.19676	0.02788
Arginine, Post-col Ninhydrin Der	994.12	121.00	7	1.46991	0.14002	0.01840	7	1.46991	0.14002	0.01840
Arginine, Pre-col AQC Der		121.05	1	1.49400	0.01131	0.01600	1	1.49400	0.01131	0.01600
Method Group 121.XX PCT			8	1.47293	0.13064	0.01810	8	1.47293	0.13064	0.01810
Aspartic, Post-col Ninhydrin Der	994.12	122.00	6	2.36999	0.07680	0.02735	6	2.36999	0.07680	0.02735
Aspartic, Pre-col AQC Der		122.05	2	2.41973	0.17786	0.16685	2	2.41973	0.17786	0.16685
Method Group 122.XX PCT			8	2.38243	0.10558	0.06223	8	2.38243	0.10558	0.06223
Cysteine/Cystine, PAO Post-col Ninhydrin Der	994.12	124.00	5	0.36373	0.02311	0.00710	5	0.36373	0.02311	0.00710
Cysteine/Cystine, PAO Post-col OPA Der		124.02	2	0.36000	0.02255	0.01100	2	0.36000	0.02255	0.01100
Cysteine/Cystine, PAO Pre-col AQC Der		124.05	1	0.38250	0.01344	0.01900	1	0.38250	0.01344	0.01900
Method Group 124.XX PCT			8	0.36514	0.02197	0.00956	8	0.36514	0.02197	0.00956
Glutamic, Post-col Ninhydrin Der	994.12	125.00	7	3.77541	0.23335	0.03401	7	3.77541	0.23335	0.03401
Glutamic, Pre-col AQC Der		125.05	2	3.90208	0.38295	0.14445	2	3.90208	0.38295	0.14445
Method Group 125.XX PCT			9	3.80356	0.26544	0.05856	9	3.80356	0.26544	0.05856
Glycine, Post-col Ninhydrin Der	994.12	126.00	6	1.13083	0.02953	0.01210	6	1.13083	0.02953	0.01210
Glycine, Pre-col AQC Der		126.05	2	1.11535	0.07761	0.08650	2	1.11535	0.07761	0.08650
Method Group 126.XX PCT			8	1.12696	0.04350	0.03070	8	1.12696	0.04350	0.03070
Histidine, Post-col Ninhydrin Der	994.12	127.00	6	0.72639	0.02377	0.01002	6	0.72639	0.02377	0.01002
Histidine, Pre-col AQC Der		127.05	1	0.66800	0.00707	0.01000	1	0.66800	0.00707	0.01000
Method Group 127.XX PCT			7	0.71805	0.03052	0.01001	7	0.71805	0.03052	0.01001
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	7	0.87269	0.05990	0.02050	6	0.86648	0.06045	0.01058
Isoleucine, Pre-col AQC Der		128.05	2	0.69743	0.12378	0.06645	2	0.69743	0.12378	0.06645
Method Group 128.XX PCT			9	0.83374	0.10521	0.03071	8	0.82421	0.10705	0.02455
Leucine, Post-col Ninhydrin Der	994.12	129.00	6	2.01269	0.05218	0.01325	6	2.01269	0.05218	0.01325
Leucine, Pre-col AQC Der		129.05	1	1.92600	0.07212	0.10200	1	1.92600	0.07212	0.10200
Method Group 129.XX PCT			7	2.00031	0.06078	0.02593	7	2.00031	0.06078	0.02593
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	8	1.65508	0.04257	0.01634	8	1.65508	0.04257	0.01634
L-Lysine, Pre-col AQC Der		130.05	3	1.26098	0.55109	0.20657	3	1.26098	0.55109	0.20657
Method Group 130.XX PCT			11	1.54760	0.32539	0.06822	11	1.54760	0.32539	0.06822
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	7	0.56229	0.03952	0.01141	7	0.56229	0.03952	0.01141
Methionine, PAO Post-col OPA Der		131.02	2	0.59400	0.02560	0.00900	2	0.59400	0.02560	0.00900
Methionine, PAO Pre-col AQC Der		131.05	1	0.59350	0.00778	0.01100	1	0.59350	0.00778	0.01100
Method Group 131.XX PCT			10	0.57175	0.03735	0.01089	10	0.57175	0.03735	0.01089

- Pass 1 Results for 168 Labs - - Pass 2 Results for 167 Labs -

Method	AOAC 18th	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	6	1.16858	0.02215	0.01550	6	1.16858	0.02215	0.01550
Phenylalanine, Pre-col AQC Der .		132.05	1	1.10450	0.00778	0.01100	1	1.10450	0.00778	0.01100
Method Group 132.XX PCT			7	1.15943	0.03100	0.01486	7	1.15943	0.03100	0.01486
Proline, Post-col Ninhydrin Der .	994.12	133.00	5	1.23213	0.05035	0.03938	5	1.23213	0.05035	0.03938
Proline, Pre-col AQC Der .		133.05	1	1.18800	0.02546	0.03600	1	1.18800	0.02546	0.03600
Method Group 133.XX PCT			6	1.22478	0.04928	0.03882	6	1.22478	0.04928	0.03882
Serine, Post-col Ninhydrin Der .	994.12	134.00	7	1.08276	0.08017	0.02909	7	1.08276	0.08017	0.02909
Serine, Pre-col AQC Der .		134.05	2	1.06475	0.12028	0.10490	2	1.06475	0.12028	0.10490
Method Group 134.XX PCT			9	1.07876	0.08676	0.04593	9	1.07876	0.08676	0.04593
Threonine, Post-col Ninhydrin Der .	994.12	135.00	6	1.10083	0.01058	0.01027	6	1.10083	0.01058	0.01027
Threonine, Pre-col AQC Der .		135.05	1	1.03350	0.04738	0.06700	1	1.03350	0.04738	0.06700
Method Group 135.XX PCT			7	1.09121	0.02941	0.01837	7	1.09121	0.02941	0.01837
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.33925	0.01578	0.00825	4	0.33925	0.01578	0.00825
Tryptophan, Misc .		136.99	2	0.31525	0.00670	0.01150	2	0.31525	0.00670	0.01150
Method Group 136.XX PCT			6	0.33125	0.01762	0.00933	6	0.33125	0.01762	0.00933
Tyrosine, Post-col Ninhydrin Der .	994.12	137.00	6	0.78030	0.08517	0.02197	6	0.78030	0.08517	0.02197
Tyrosine, Pre-col AQC Der .		137.05	1	0.74115	0.11123	0.15730	1	0.74115	0.11123	0.15730
Method Group 137.XX PCT			7	0.77471	0.08539	0.04130	7	0.77471	0.08539	0.04130
Valine, Post-col Ninhydrin Der .	994.12	138.00	7	1.28654	0.05120	0.03489	7	1.28654	0.05120	0.03489
Valine, Pre-col AQC Der .		138.05	1	1.11600	0.10182	0.14400	1	1.11600	0.10182	0.14400
Method Group 138.XX PCT			8	1.26523	0.07973	0.04853	8	1.26523	0.07973	0.04853
Taurine, Post-col Ninhydrin Der .	994.12	139.00	1	0.07500	0.00707	0.01000	1	0.07500	0.00707	0.01000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 000.03	--	--	Method 001.07	--	--	Method 002.01	--	--	Method 002.05	--	--	Method 002.06	--
861	2.8200	.71	616	8.0300	-.18	656	24.355	1.12	722	23.576	-1.08	233	24.670	.44
--	Method 000.99	--	278	7.8800	-.54	731	24.275	.86	651	23.562	-1.12	205	24.645	.42
265	0.3450	.71	689	7.8000	-.82	350	24.244	.60	622	23.320	-1.84	520	24.600	.41
--	Method 001.00	--	353	7.6950	-1.21	710	24.190	.54	--	Method 002.06	--	148	24.660	.38
504	8.8500	1.49	045	7.6500	-1.36	Avg	24.114		527	26.085	s 4.11	510	24.650	.38
001	8.5250	.73	038	7.6450	R -1.57	098	24.050	-.37	013	25.465	2.48	823	24.650	.38
844	8.4600	.59	297	7.5850	-1.61	043	23.955	-.76	263	25.412	2.34	175	24.650	.37
784	8.3500	.36	074	7.5750	-1.63	653	23.730	-1.77	018	25.320	2.10	089	24.655	.35
169	8.2500	.14	015	7.4500	-2.10	--	Method 002.02	--	615	25.215	1.90	034	24.645	.35
Avg	8.1925		843	6.4300	s -5.70	307	24.400	R 2.60	504	25.095	R 1.86	001	24.630	.33
309	8.0100	-.43	--	Method 001.08	--	152	24.375	1.21	734	25.185	1.78	784	24.635	.32
560	7.5600	-1.39	590	8.1700	.71	043	24.195	.75	616	25.180	1.74	106	24.635	.32
029	7.5350	-1.45	--	Method 001.99	--	036	24.195	.63	759	25.165	1.70	108	24.625	.29
--	Method 001.03	--	405	10.245	s 6.55	669	24.110	.38	738	25.155	1.67	036	24.615	.26
731	7.7500	.00	096	8.4000	R 1.84	Avg	24.001		032	25.100	1.53	021	24.520	.26
--	Method 001.07	--	656	8.2600	1.31	169	23.850	-.50	573	25.005	1.28	778	24.605	.25
139	10.885	s 10.15	357	8.2600	1.31	042	23.790	-.70	843	25.000	1.27	630	24.600	.24
591	8.3735	1.23	505	8.0900	.88	297	23.490	-1.79	300	24.960	1.25	164	24.600	.22
366	8.3000	R 1.19	720	8.0200	.67	--	Method 002.04	--	590	24.900	1.13	074	24.565	.22
142	8.3500	1.15	631	7.8850	.31	405	23.325	.71	782	24.940	1.11	160	24.545	.12
098	8.3200	1.03	853	7.8650	.25	Avg	23.325		425	24.940	1.11	294	24.545	.08
653	8.2950	.94	722	7.8107	.10	187	22.660	S -5.56	413	24.750	.90	035	24.515	.07
559	8.2750	.90	Avg	7.7721		--	Method 002.05	--	014	24.730	.88	Avg	24.514	
199	8.2800	.89	676	7.7600	-.03	401	25.890	s 5.80	168	24.530	R .86	003	24.505	-.05
307	8.2000	R .88	615	7.4500	-.90	039	24.549	1.82	811	24.810	.78	508	24.458	-.18
413	8.2500	.80	786	7.3850	-1.03	849	24.405	1.39	574	24.805	.77	144	24.450	-.20
187	8.2300	.72	536	7.3650	-1.11	178	24.300	1.07	554	24.795	.73	687	24.450	-.21
089	8.2100	.64	541	7.1150	-1.89	856	24.180	.74	646	24.790	.72	571	24.433	-.22
178	8.2000	.60	630	6.3850	S -3.69	658	24.030	.27	049	24.650	.70	265	24.435	-.24
049	8.1150	.34	--	Method 002.00	--	Avg	23.939		821	24.745	.70	541	24.440	-.25
571	8.0450	.31	028	24.730	1.10	855	23.930	-.07	417	24.780	.69	139	24.460	-.25
035	8.0550	.09	015	24.530	.64	620	23.889	-.15	539	24.595	.65	278	24.500	-.26
849	8.0400	.05	Avg	24.241		536	23.910	-1.17	002	24.735	.58	016	24.500	-.26
Avg	8.0312		199	24.010	-.54	354	23.875	-.19	190	24.720	.55	038	24.415	-.27
669	8.0150	-.14	826	23.695	-1.26	689	23.900	-.32	029	24.705	.51	096	24.415	-.28
						591	23.725	-.70	673	24.700	.48	853	24.405	-.29
									740	24.645	.47	142	24.400	-.30
									229	24.680	.44	010	24.405	-.30
												006	24.476	-.31

* 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 002.06	--	--	Method 002.08	--	--	Method 003.00	--	--	Method 003.06	--	--	Method 003.10	--
598	24.505	-0.33	706	24.745	1.13	563	5.5833	.91	687	5.1000	-1.33	098	5.3050	.21
650	24.465	-0.35	062	24.567	.71	527	5.5400	.79	199	5.0900	-1.39	Avg	5.2891	
726	24.386	-0.40	Avg	24.265		512	5.5435	.74	574	4.2200 s	-6.76	100	5.2600	-0.35
589	24.365	-0.41	563	23.946	-0.74	265	5.4150 R	.73	--	Method 003.09	--	623	5.2638	-0.43
026	24.355	-0.42	208	23.800	-1.08	309	5.5200	.60	--	Method 003.09	--	242	5.2300	-0.47
592	24.340	-0.46	--	Method 002.10	--	164	5.5000	.49	722	5.4525 R	1.38	034	5.2200	-0.49
765	24.325	-0.50	727	24.650 R	1.50	354	5.4700	.34	098	5.5000	1.34	089	5.2050	-0.60
786	24.305	-0.55	861	24.880	1.26	039	5.4525	.25	849	5.4650	1.01	720	5.2000	-0.67
512	24.320	-0.57	629	24.715	.94	035	5.4200	.08	673	5.4500	.99	573	5.1510	-0.99
505	24.295	-0.57	Avg	24.232		Avg	5.4033		505	5.4100	.97	855	5.1350	-1.22
199	24.290	-0.59	546	24.115	-0.25	152	5.4000	-0.02	013	5.4300	.74	202	5.0950	-1.40
100	24.295	-0.60	631	23.750	-0.95	033	5.3900	-0.08	263	5.4333	.72	160	5.0900	-1.42
033	24.315	-0.61	160	23.700	-1.03	139	5.3450	-0.34	001	5.4200	.62	--	Method 003.11	--
357	24.280	-0.61	--	Method 002.11	--	592	5.3000	-0.60	620	5.3932	.45	011	7.1000 S	4.79
366	24.300	-0.62	032	31.400 s	68.13	026	5.2650	-0.70	651	5.3745	.29	713	6.5900 S	2.72
354	24.250	-0.69	727	24.799	.83	615	5.2400	-0.89	027	5.3800	.22	631	6.1650 S	1.01
358	24.300	-0.75	731	24.745	.40	616	5.1750	-1.15	508	5.3738	.16	178	6.1000	.73
045	24.300	-0.76	Avg	24.728		142	5.0500	-1.79	Avg	5.3563		727	6.0098	.40
242	24.160	-0.93	536	24.640	-1.28	353	4.9250	-2.40	002	5.3500	-0.19	731	5.9350	.23
676	24.197	-0.95	178	22.450 S	-23.26	132	4.9800 s	-2.72	350	5.3305	-0.24	Avg	5.8700	
309	24.210	-0.96	713	22.145 S	-26.36	--	Method 003.01	--	354	5.3300	-0.24	536	5.8550	-0.26
027	24.145	-1.01	631	21.595 S	-31.98	504	4.8900	-0.71	226	5.3500	-0.47	032	5.4500 X	-1.91
559	24.120	-1.07	011	19.300 S	-55.40	--	Method 003.06	--	358	5.3100	-0.78	--	Method 003.12	--
042	24.100	-1.10	--	Method 002.99	--	009	5.5900	1.64	656	5.1950	-1.50	357	5.5500	.71
817	24.100	-1.11	065	24.651	.90	559	5.3700 R	1.49	554	5.1750	-1.76	--	Method 003.13	--
226	24.100	-1.11	047	24.450	.37	294	5.5600	1.47	510	5.1000	-2.38	--	Method 003.13	1.96
132	24.095	-1.11	Avg	24.327		074	5.3750	1.17	590	5.1450 s	-3.00	028	5.9700	1.96
098	24.350 R	-1.25	643	23.880	-1.24	229	5.3900	.79	--	Method 003.10	--	Avg	5.4086	
009	24.035	-1.27	--	Method 003.00	--	689	5.4000	.78	591	5.8250 s	4.56	646	5.3600	-0.22
660	24.040	-1.27	190	6.5450 s	5.74	148	5.3650	.29	727	5.4800	1.60	187	5.3250	-0.30
043	24.000	-1.39	307	5.9000 s	4.31	297	5.3450	.26	208	5.4900	1.59	660	5.3000	-0.40
797	23.960	-1.44	032	5.7900 R	2.05	669	5.3350	.18	045	5.4000 R	1.56	205	5.3865	-0.48
202	23.950	-1.48	175	5.6700	1.35	425	5.3200	-0.18	233	5.5000	1.50	553	5.1100	-1.07
553	24.007 R	-1.60	726	5.6667	1.33	Avg	5.3200		676	5.4380	1.06	--	Method 003.13	-0.48
749	23.725	-2.07	015	5.6100	1.04	425	5.2900	-0.18	062	5.4200	.93	--	Method 003.13	-1.07
011	23.650	-2.31	--	Method 002.99	--	003	5.2850	-0.56	366	5.3000	.71			
720	23.605	-2.37	065	24.651	.90	731	5.1900	-0.84	178	5.3500	.56			
353	23.565	-2.49	047	24.450	.37	658	5.1650	-1.04	629	5.3600	.55			
692	23.550	-2.55	Avg	24.327		--	Method 003.06	--	--	Method 003.10	--			

* 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 003.14	--	--	Method 004.00	--	--	Method 004.07	--	--	Method 004.11	--	--	Method 005.00	--
843	6.6000 S	5.92	009	1.9850	-.32	089	2.6150	2.00	032	13.300 S	18.01	357	7.5000	.69
278	5.8500 S	3.26	726	1.8966	-.58	278	2.4500	1.55	536	3.3450	.96	100	7.4900	.66
108	5.6500	1.69	199	1.8700	-.64	669	2.4650	1.53	731	3.3150	.92	821	7.4800	.65
413	5.6000	1.53	175	1.8700	-.64	096	2.4000	1.35	727	3.2168	.74	152	7.4900	.64
049	5.2850	.38	309	1.8600	-.67	643	2.3300	1.19	Avg	2.7853		740	7.4800	.62
Avg	5.2711		164	1.8000	-.83	592	2.2800	.94	178	2.7000	-.23	653	7.4800	.56
144	5.1950	-.34	034	1.7150	-1.06	554	2.2500	.85	713	2.2050	-.99	669	7.4800	.56
598	5.1900	-.51	504	1.6500 R	-1.32	144	2.2000	.68	631	1.9300	-1.47	401	7.4350 R	.56
529	5.1600	-.53	132	1.6050	-1.37	708	2.1800	.61				660	7.4700	.56
021	5.1000	-.79				028	2.1500	.54	--	Method 004.99	--	029	7.4750	.55
520	5.2200	-.88	--	Method 004.01	--	021	2.1050	.42	856	8.9050 S	45.75	035	7.4500	.54
175	5.0400	-1.06	366	3.4000 S	.00	520	2.0200	.27	106	6.9050 S	32.82	590	7.4750	.53
853	4.3500 S	-4.11	--	Method 004.03	--	035	2.0400	.19	536	1.9700	1.00	651	7.4700	.50
--	Method 003.99	--	045	2.8250	-.71	631	2.0250	.14	629	1.8500	.38	687	7.4500	.49
536	6.3450 S	3.75				074	2.0200	.10	Avg	1.8200		710	7.4650	.47
631	5.7500	1.39	--	Method 004.06	--	529	2.0000	.05	598	1.6400	-1.16	646	7.4600	.45
630	5.6600	1.10	676	3.2060 S	4.88	Avg	2.0133		--	Method 005.00	--	643	7.4600	.43
Avg	5.4192		591	2.4500 R	1.99	098	1.9750	-.07	242	7.4600	.43	242	7.4600	.43
047	5.4000	-.08	722	2.5203	1.71	013	1.9600	-.11	504	7.7350 S	2.88	765	7.4550	.40
861	5.2650	-.67	027	2.4250	1.48	033	1.9550	-.14	527	7.7850	2.57	510	7.4500	.38
786	5.2000	-.97	354	2.4200	1.24	042	1.9650	-.14	592	7.7650	2.44	706	7.4500	.37
546	5.2400	-.99	620	2.3576	1.09	003	1.9350	-.18	226	7.7500	2.36	559	7.4450	.33
--	Method 004.00	--	205	2.3100	.89	229	1.9500	-.20	591	7.7150	2.11	722	7.4450	.33
265	3.0300	2.55	656	2.2650	.66	026	1.9050	-.27	720	7.6950	1.98	563	7.4422	.31
353	2.8200	1.98	849	2.1850	.17	160	1.8900	-.34	294	7.6750	1.84	630	7.4250	.30
226	2.6500	1.51	Avg	2.1515		413	1.9000	-.43	413	7.6500	1.71	689	7.4200	.26
208	2.6150 R	1.46	038	2.1350	-.14	032	1.8450	-.48	187	7.6350	1.60	731	7.4100	.22
855	2.5650 R	1.36	673	2.1000	-.24	646	1.8350	-.50	856	7.5950	1.32	353	7.4150	.21
354	2.2100	.30	710	2.1000	-.24	505	1.8300	-.53	132	7.5800	1.24	656	7.4200	.21
425	2.2000	.27	350	2.0634	-.43	300	1.9050 R	-.65	148	7.5750	1.19	034	7.4150	.16
563	2.1360	.14	689	2.0500	-.52	307	1.8500	-.65	307	7.5650	1.14	164	7.4000	.03
015	2.1250	.09	590	2.0650	-.67	294	1.7550	-.75	622	7.5489	1.02	178	7.4000	.03
169	2.1150	.06	653	1.9900	-.75	242	1.6950	-.94	676	7.5425	.99	Avg	7.3951	
Avg	2.1017		720	1.9850	-.91	100	1.3350	-2.10	629	7.5350	.93	098	7.3950	-.03
559	2.0350	-.26	098	2.0450	-1.15	553	1.3300	-2.14	350	7.5329	.91	505	7.3950	-.03
190	2.0100	-.26	178	1.9500	-1.16	202	1.2000 S	-2.52	620	7.5225	.84	062	7.3785	-.13
510	2.0000	-.28	731	1.7600	-1.81				784	7.5150	.81	849	7.3650	-.20
									038	7.5050	.74	015	7.3800	-.22
									142	7.5000	.69	139	7.3550	-.27

* 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 005.00	--	--	Method 005.00	--	--	Method 008.02	--	--	Method 009.04	--	--	Method 010.11	--
278	7.3500	-0.32	417	7.2050 R	-1.34	Avg	3.2475		504	8.1950	-0.71	536	9.7100	1.25
202	7.3600	-0.35	265	7.1900	-1.35	504	3.2400	-0.06				731	9.4700	1.06
759	7.3550	-0.35	615	7.2000	-1.36	038	3.0450	-0.57	--	Method 009.07	--	727	9.2362	.86
021	7.3400	-0.37	782	7.1900	-1.36	309	3.1250 R	-0.68				Avg	8.1966	
300	7.3400	-0.37	797	7.1400	-1.68	045	3.0200	-0.68	353	31.880 s	32.26	178	7.8000	-0.33
650	7.3350	-0.40	358	7.1350	-1.73	405	2.9800	-0.75	045	9.0700	2.07	178	7.8000	-0.33
366	7.3500	-0.44	778	7.0850	-2.08	353	2.6250	-1.70	307	7.2500	.51	297	7.5650	-0.53
631	7.3250	-0.46	049	6.9900	-2.68	226	1.7500 s	-4.09	656	6.7600	.27	631	6.8200	-1.14
229	7.3300	-0.47	--	Method 005.11	--	--	Method 008.05	--	309	6.8150	.26	713	6.7750	-1.18
749	7.3200	-0.50	178	7.6000	1.64	265	3.8000	.00	297	6.8700	.23	--	Method 010.99	--
205	7.3070	-0.59	727	7.2655	.56	--	Method 008.08	--	Avg	6.7219		417	9.6850	1.96
144	7.3100	-0.59	731	7.1350	.33	--	Method 008.08	--	187	5.7400	-0.86	401	9.2250	1.34
199	7.3050	-0.59	Avg	7.2626		354	3.8900	1.84	226	5.6500	-0.97	861	8.2700	.04
001	7.3050	-0.60	536	7.0500	-0.28	106	3.7400	1.53	098	5.6200	-1.04	Avg	8.2413	
297	7.3000	-0.63	631	6.7800 S	-1.05	592	3.4400	.92	--	Method 009.09	--	673	8.1500	-0.14
108	7.2950	-0.68	713	6.7700 S	-1.09	646	3.3950	.81	592	8.9850	1.81	529	8.0950	-0.22
160	7.2850	-0.74	--	Method 005.99	--	035	3.3300	.67	294	8.3600	1.17	032	8.0350	-0.28
598	7.2800	-0.76	574	8.3300 s	6.79	357	3.3000	.61	354	8.2350	1.05	168	7.8250	-0.57
616	7.2800	-0.78	727	7.6200	1.44	278	3.1500 R	.60	510	8.1000	.91	065	7.5421	-0.95
425	7.2750	-0.79	727	7.6200	1.44	033	3.0100	.06	164	7.3500	.17	527	7.3450	-1.22
354	7.2750	-0.79	536	7.5100	.64	Avg	3.0072		Avg	7.1925		--	Method 011.01	--
539	7.2950 R	-0.82	673	7.5000	.56	510	3.0000	-0.01	357	7.1000	-0.09	--	Method 011.01	--
658	7.2650	-0.86	096	7.5000	.56	202	2.9850	-0.12	202	6.8300	-0.38	643	12.100 s	5.75
853	7.2650	-0.89	Avg	7.4217		032	2.9150	-0.32	265	6.6500	-0.55	108	10.665 s	2.64
817	7.2600	-0.89	065	7.4034	-0.14	049	2.8250	-0.60	413	6.6000 R	-0.67	309	10.445	2.04
033	7.2550	-0.92	546	7.3950	-0.37	164	2.6500	-0.81	278	6.4500	-0.76	778	10.365	1.90
541	7.2550	-0.92	208	7.2450	-1.26	026	2.5300	-1.00	646	6.3050	-0.89	098	10.350	1.86
089	7.2550	-0.92	826	7.2000	-1.63	413	2.4000	-1.26	049	6.1450	-1.06	242	10.180	1.45
026	7.2550	-0.93	--	Method 006.05	--	294	2.3550	-1.36	160	5.8000	-1.40	623	10.105	1.34
811	7.2500	-0.96	710	15.010	.71	160	2.3500	-1.37	--	Method 010.03	--	765	10.125	1.33
855	7.2450	-0.99	--	Method 008.02	--	--	Method 008.99	--	027	7.4400	1.04	738	10.115	1.31
027	7.2450	-0.99	--	Method 008.02	--	307	3.5500	1.12	843	7.3000	.85	541	10.095	1.31
045	7.3100 R	-1.02	527	4.0050	2.07	656	3.3150	.38	Avg	6.5375		559	10.030	1.17
520	7.2400	-1.03	148	3.5100	.72	358	3.2600	.25	826	5.7450	-0.88	650	10.030	1.12
734	7.2450	-1.03	035	3.4800	.64	Avg	3.1913		817	9.9200	.88	710	9.9750	.99
169	7.2350	-1.07	187	3.3050	.16	297	2.6400	-1.43	546	5.6650	-0.97	817	9.9200	.88
175	7.2050	-1.26	098	3.2650	.13				208	9.9000	.82	208	9.9000	.82
309	7.2000	-1.28							205	9.8685	.75	205	9.8685	.75
623	7.1929	-1.33							722	9.8346	.68	722	9.8346	.68

* 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 011.01	--	--	Method 011.01	--	--	Method 012.04	--	--	Method 013.02	--	--	Method 013.12	--
855	9.8100	.68	160	9.1900	-.76	106	24.000	1.83	616	6.3500	-.57	731	7.2100	.71
574	9.8100	.63	591	9.2035	-.84	Avg	22.222		749	6.2650	-.79	--	Method 013.99	--
175	9.8000	.60	811	9.1450	-.87	510	21.950	-.28	208	6.3000	-.80	065	7.0575	1.22
510	9.8000	.60	100	9.2200 R	-.92	278	21.900	-.33	853	6.2100	-.92	861	6.5900	.58
164	9.8000	.60	646	8.9700	-1.27	353	21.855	-.49	026	6.2000	-.95	Avg	6.1731	
233	9.7900	.58	598	8.9600	-1.28	160	21.405	-.84	229	6.1350	-1.16	689	5.6000	-.81
148	9.7650	.52	300	9.3600 R	-1.39	--	Method 012.11	--	740	6.0800	-1.25	738	5.4450	-1.01
573	9.6860	.49	294	8.8600	-1.50	727	29.503	.82	011	5.9900	-1.50	106	4.0000 S	-3.01
358	9.7050	.41	660	8.8000	-1.65	731	28.765	.55	855	5.8900	-1.73	--	Method 015.00	--
749	9.6550	.36	152	8.7500	-1.75	536	28.770	.55	148	5.6400 R	-2.43	616	248.50 s	8.75
350	9.6905	.35	563	8.7279	-1.80	Avg	27.326		--	Method 013.03	--	520	143.50	2.20
687	9.6750	.32	706	8.6800	-1.90	713	26.990	-.13	591	5.0350	.71	154	120.00	.75
520	9.6350	.24	843	8.6300	-2.02	178	22.600	-1.79	--	Method 013.08	--	011	116.18	.49
026	9.6100	.21	856	8.3400	-2.66	--	Method 012.99	--	591	4.6000	.71	560	112.50	.26
622	9.5854	.12	--	Method 011.99	--	722	18.101	.71	--	Method 013.10	--	049	112.14	.25
740	9.5600	.07	554	9.0900	.71	--	Method 013.02	--	504	7.3350 s	3.32	Avg	108.38	
034	9.5322	-.05	Avg	9.0900		826	7.2650	1.78	160	6.7500	1.73	510	106.00	-.16
734	9.5100	-.05	727	7.1475 S	-15.31	759	7.2750	1.76	160	6.7500	1.73	164	97.300	-.69
797	9.4850	-.16	--	Method 012.00	--	100	7.2450	1.69	843	6.6000	1.37	021	94.000	-.92
202	9.4500	-.18	689	28.850	1.06	650	7.0450	1.20	539	6.2300	.51	169	93.100	-.95
651	9.4460	-.20	354	28.260	.92	817	7.0100	1.11	062	6.1775	.35	353	89.135	-1.21
354	9.4400	-.21	Avg	24.412		811	6.9500	.95	Avg	6.0518		--	Method 016.99	--
229	9.4800	-.21	559	23.950	-.12	643	6.9300	.90	353	5.9600	-.24	508	0.0987	.71
226	9.4500	-.21	178	23.100	-.32	202	6.8250	.66	673	5.9500	-.28	--	Method 017.00	--
265	9.4150	-.27	673	17.900	-1.55	033	6.8150	.65	656	5.9200	-.33	353	12.545	1.71
823	9.4000	-.30	--	Method 012.01	--	797	6.8050	.62	660	5.8650	-.48	560	10.450	.57
821	9.4550	-.33	096	22.450	.90	734	6.7400	.42	096	5.6750	-1.03	045	9.5650	.14
759	9.3850	-.33	Avg	21.268		765	6.6300	.33	653	5.3900	-1.64	Avg	9.3642	
553	9.4400	-.36	676	20.085	-.83	164	6.6500	.23	--	Method 013.11	--	049	8.5450	-.50
021	9.3800	-.37	--	Method 012.03	--	843	6.6000	.19	014	5.4370	.88	510	7.9300	-.76
033	9.3600	-.41	098	22.350	1.11	Avg	6.5755		Avg	4.9610		021	7.1500	-1.18
539	9.3550	-.41	Avg	22.070		169	6.5150	-.19	417	4.4850	-.85	--		
132	9.3550	-.44	297	21.790	-.51	354	6.5400	-.22	823	6.4500	-.34	--		
782	9.3230	-.47	062	9.2566	-.64	778	6.4650	-.37	856	6.4050	-.43	--		
144	9.2950	-.53	658	9.1900	-.76									

* 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 017.99	--	--	Method 019.01	--	--	Method 019.05	--	--	Method 019.09	--	--	Method 020.01	--
307	11.350	.98	098	0.9550	-.18	049	0.9550	.44	035	0.9800	.26	508	4.5125	-.47
Avg	10.423		139	0.9495	-.26	510	0.9750	.39	009	0.9774	.22	510	4.1300	-.66
358	9.4950	-.73	350	0.9515	-.35	242	0.9700	.30	726	0.9661	.02	560	2.8800	-1.66
--	Method 019.00	--	205	0.9490	-.37	425	0.9700	.30	Avg	0.9651		--	Method 020.99	--
043	1.1150 S	3.59	505	0.9450	-.42	074	0.9650	.23	021	0.9625	-.06	616	0.0000	.00
689	1.0300	1.87	650	0.9450	-.42	512	0.9593	.19	560	0.9550	-.18	--	Method 021.01	--
646	0.9750	.81	669	0.9430	-.48	508	0.9607	.15	190	0.9550	-.20	722	2.5868 S	5.62
175	0.9750	.75	152	0.9400	-.62	011	0.9575	.10	106	0.9500	-.28	563	1.4645	1.24
658	0.9520	.28	014	0.9375	-.67	265	0.9550	.09	154	0.9489	-.31	Avg	1.1215	
Avg	0.9380		178	0.9550	-.76	Avg	0.9531		045	0.9340	-.59	164	1.0000	-.44
623	0.9229	-.31	142	0.9250	-1.01	100	0.9500	-.18	186	0.9320	-.63	689	0.9000	-.88
622	0.9216	-.33	039	0.9190	-1.18	300	0.9475	-.21	357	0.9150	-.89	--	Method 021.02	--
620	0.9104	-.58	001	0.9185	-1.20	164	0.9300	-.40	187	0.9133	-.91	510	1.2650	1.32
651	0.8900	-.99	169	0.9150	-1.31	026	0.9165	-.64	309	0.9070	-1.10	029	1.1600	.91
849	0.8650	-1.48	307	0.9150	-1.31	148	0.9160	-.65	616	0.9045	-1.11	021	1.1000	.72
--	Method 019.01	--	233	0.9300 R	-1.48	405	0.9100	-.75	278	0.8950	-1.24	011	1.1190	.64
006	1.0750 s	3.57	710	0.8650	-2.82	297	0.9100	-.77	038	0.8925	-1.28	154	1.1000	.55
591	1.0400 R	2.65	108	0.8650 s	-3.01	229	0.9000	-.95	016	0.8870	-1.38	508	1.0590	.51
856	1.0200	1.87	563	0.7944 s	-6.67	168	0.8860	-1.18	572	0.8850 R	-1.53	Avg	0.9839	
720	1.0150	1.73	--	Method 019.03	--	553	0.8760	-1.36	--	Method 019.99	--	038	0.9500	-.28
034	1.0150	1.73	036	1.0545	1.04	089	0.8450	-1.90	629	1.1150	1.49	572	0.9720	-.74
631	0.9950	1.21	043	1.0150	.38	144	0.8450	-1.94	Avg	0.9430		106	0.8050	-.85
013	0.9900	1.14	Avg	1.0061		--	Method 019.08	--	692	0.9250	-.16	169	0.6700	-1.47
722	0.9899	.96	026	0.9700	-.81	590	1.1550 S	12.18	065	0.9118	-.27	560	0.6225	-1.71
035	0.9850	.83	307	0.9850	-1.27	689	1.0050	1.21	047	0.8200	-1.09	616	0.0000 s	-4.62
018	0.9810	.73	--	Method 019.05	--	Avg	1.0025		--	Method 020.00	--	--	Method 022.00	--
263	0.9783	.61	003	1.1250 s	3.01	673	1.0000	-.20	722	3.1847	1.28	350	133.50	.71
010	0.9600	.61	629	1.1250 s	3.01	--	Method 019.09	--	Avg	2.7049		--	Method 022.01	--
354	0.9750	.53	294	1.1000	2.58	032	1.1000	2.39	563	2.5300	-.46	013	147.50	1.77
026	0.9700	.47	208	1.0800	2.25	353	1.0650	1.78	164	2.4000	-.80	175	144.00	1.41
656	0.9700	.36	598	1.0050	.91	028	1.0600	1.68	--	Method 020.01	--	689	138.45	.75
731	0.9650	.26	098	1.0000	.82	160	1.0437	1.40	--	Method 020.01	--	038	137.50	.69
038	0.9590	.15	520	0.9950	.74	202	1.0150	.88	021	6.2500	1.10	591	134.80 R	.67
036	0.9605	.09	029	0.9929	.73	199	0.9964	.56	154	6.2500	1.04	731	137.60	.65
612	0.9600	.06	226	0.9850	.57	366	0.9750	.47	096	6.0000	.84	--		
Avg	0.9581		358	0.9650	.49	096	0.9850	.44	Avg	4.9523		--		
208	0.9580	-.12	413	0.9700	.46	027	0.9770	.29	011	4.6438	-.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	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 022.01	--	--	Method 022.03	--	--	Method 022.99	--	--	Method 025.03	--	--	Method 025.99	--
722	137.44	.63	242	127.50	-.71	846	131.86	.87	510	644.50	.44	353	439.05	-1.86
669	136.95	.60	148	120.60	-1.43	Avg	130.43		100	641.00	.38	366	345.60 s	-6.13
178	136.50	.55	049	116.73	-1.84	692	129.00	-.86	011	635.39	.24	278	115.00 s	-6.81
014	132.00	.33	598	115.50	-2.08				148	625.15	.05			
208	134.50	.31	144	99.250 s	-4.17	--	Method 025.01	--	Avg	624.89	--	--	Method 025.99	--
098	134.50	.31				350	717.80	1.36	164	622.00	-.08	692	557.50	.71
505	132.00	.11	--	Method 022.05	--	669	719.29	1.33	629	620.00	-.14	--	Method 026.00	--
Avg	131.67		160	166.55 s	2.98	208	713.50	1.25	229	612.00	-.30	154	1.1000	.00
035	131.50	-.16	294	159.91	2.21	653	687.23	.87	098	624.50	-.30	--		
590	129.20	-.27	038	148.00 R	1.25	689	682.70	.79	026	605.00	-.45	--		
354	131.15	-.34	021	150.50	1.19	731	665.50	.63	553	598.50	-.64	--		
307	124.00	-.83	366	147.50	.91	563	668.15	.59	297	596.00	-.65	011	0.9120	.71
563	120.05	-1.27	309	147.85	.87	720	650.10	.32	226	585.00	-.90	--		
646	119.93	-1.28	202	147.50	.84	098	646.50	.26	144	583.75	-1.02	--	Method 027.01	--
720	117.62	-1.53	096	145.00	.78	722	643.47	.22	598	559.00	-1.49	014	0.2620 R	1.87
710	111.00	-2.25	027	144.27	.67	038	640.50	.17	003	552.00	-1.64	650	0.2520	1.40
--	Method 022.03	--	560	144.50	.63	354	629.50	.03	168	526.50	-2.21	720	0.2500	1.30
629	150.00	1.69	413	145.00	.59	Avg	628.81		405	243.00 s	-8.59	689	0.2450	1.11
226	148.00	1.51	572	144.00	.55	013	621.50	-.13	--	Method 025.05	--	731	0.2400	.89
510	146.00	1.26	032	143.12	.53	307	618.00	-.20	038	685.00 R	1.95	653	0.2390	.86
011	144.49	1.13	106	143.00	.47	505	625.00	-.23	160	656.05	1.48	563	0.2380	.81
208	142.50	.90	190	141.99	.21	014	622.50	-.29	199	653.00	1.41	658	0.2335	.63
508	136.76 R	.86	726	141.92	.21	175	609.00	-.29	045	637.50	1.18	139	0.2326	.59
520	141.00	.80	199	140.90	.14	710	529.50	-1.46	021	620.50	.92	722	0.2291	.45
405	139.00	.53	357	140.50	.07	856	526.00	-1.55	186	597.50	.56	208	0.2285	.43
265	138.00	.52	Avg	140.08		646	520.95	-1.59	294	597.20	.56	142	0.2250	.35
297	137.00	.31	187	139.22	-.13	591	468.25	-2.37	309	586.00	.40	350	0.2258	.32
029	136.90	.30	278	139.30	-.20	--	Method 025.03	--	413	586.00	.39	038	0.2185	.06
229	135.00	.14	045	138.50	-.24	208	711.00	1.94	096	575.00	.32	Avg	0.2181	
098	135.00	.14	353	138.35	-.25	242	704.50	1.79	616	580.00	.30	307	0.2050	-.57
Avg	134.09		186	136.00	-.51	508	663.70 R	1.22	106	564.50	.06	710	0.2050	-.57
003	132.00	-.24	016	132.50	-.85	508	663.70 R	1.22	106	564.50	.06	098	0.2000	-.74
300	132.45	-.28	009	132.34	-.86	074	677.00	1.17	Avg	560.62		175	0.1950	-.96
358	133.35	-.44	035	129.00	-1.24	520	665.00	.95	169	541.00	-.30	591	0.1935 R	-1.09
074	128.50	-.61	154	128.50	-1.29	029	653.10	.74	154	528.00	-.50	169	0.1850	-1.37
164	128.00	-.64	616	125.00	-1.69	265	657.00	.72	560	514.50	-.71	035	0.1800	-1.55
100	128.50	-.65	169	116.00	-2.68	300	648.40	.58	190	479.86	-1.23	505	0.1770	-1.68
026	128.00	-.68	049	642.45	.52	049	642.45	.52	726	479.63	-1.24	263	0.1768	-1.69
			358	633.44	.51				187	455.81	-1.60			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 027.03	--	--	Method 027.05	--	--	Method 028.01	--	--	Method 028.05	--	--	Method 031.01	--
003	0.2700	2.13	572	0.1935	.53	710	89.000	-.78	032	124.33 s	4.25	178	0.7950	1.98
300	0.2610	1.75	202	0.1850	.30	175	86.000	-1.21	294	118.45 S	3.30	175	0.7850	1.50
520	0.2600	1.70	154	0.1857	.22	350	84.300	-1.41	160	115.40 S	2.93	139	0.7785	1.16
074	0.2500	1.26	Avg	0.1849		354	80.675	-1.91	353	109.50	1.87	669	0.7775	1.12
598	0.2500	1.26	199	0.1839	-.12	646	80.550	-1.93	106	106.00	1.29	623	0.7610 R	1.09
242	0.2450	1.06	045	0.1810	-.24	014	76.500 S	-2.52	366	105.00	1.17	629	0.7750	1.02
425	0.2400	.82	021	0.1785	-.39				038	100.90	.68	036	0.7750	1.02
413	0.2300	.39	106	0.1780	-.42	--	Method 028.03	--	190	102.00	.64	731	0.7750	1.02
029	0.2256	.32	186	0.1745	-.65	098	108.50	2.42	572	98.350	.59	263	0.7739	.93
208	0.2270	.27	278	0.1700	-.90	003	107.50	2.21	202	101.00	.48	651	0.7700	.80
Avg	0.2212		096	0.1700	-.90	520	103.50 R	1.55	357	100.50	.47	620	0.7701	.79
026	0.2210	-.02	187	0.1689	-.97	510	100.00	.64	560	100.05	.36	722	0.7660	.59
100	0.2200	-.05	616	0.1635	-1.30	300	97.965	.53	021	100.00	.36	035	0.7650	.55
164	0.2200	-.05	035	0.1500	-2.11	029	99.395	.52	154	99.500	.34	849	0.7650	.55
011	0.2166	-.21				512	98.505	.40	096	100.00	.32	650	0.7600	.55
049	0.2150	-.35	--	Method 027.99	--	011	98.310	.36	278	98.500	.25	098	0.7600	.55
265	0.2150	-.35	065	0.2203	1.18	229	98.500	.34	187	99.275	.25	354	0.7600	.25
358	0.2200 R	-.44	Avg	0.1934		074	97.500	.34	186	98.500	.11	026	0.7550	.25
405	0.2100	-.49	009	0.1900	-.21	242	98.000	.22	Avg	98.000		563	0.7595	.23
098	0.2100	-.49	692	0.1700	-1.03	405	97.500	.16	309	95.470	-.41	Avg	0.7549	
144	0.2100	-.49				100	97.500	.16	045	96.000	-.48	001	0.7495	-.29
148	0.2065	-.64	--	Method 028.01	--	508	97.016	.06	413	93.450	-.74	205	0.7490	-.29
226	0.2050	-.74	013	108.00	1.83	208	97.000	.01	616	90.900	-1.16	018	0.7510	-.48
510	0.2000	-.93	208	103.50	1.22	Avg	96.932		009	89.315	-1.40	233	0.7450	-.54
508	0.1997	-.96	038	101.00	.88	164	96.000	-.19	016	89.500	-1.41	169	0.7450	-.54
553	0.1945	-1.18	731	101.00	.87	265	96.000	-.46	169	82.300	-2.53	689	0.7450	-.54
297	0.1900	-1.36	098	99.000	.66	297	94.500	-.52	--	Method 028.99	--	710	0.7450	-.54
229	0.1900	-1.36	689	98.900	.59	358	94.960	-.64	--	Method 028.99	--	152	0.7425	-.62
294	0.1900	-1.36	563	98.865	.58	598	94.000	-.65	692	90.000	1.10	656	0.7400	-.73
--	Method 027.05	--	720	98.875	.58	049	95.050 R	-.76	Avg	89.340		350	0.7360	-.93
038	0.2130	1.76	669	98.480	.54	148	92.890	-.84	846	88.680	-.53	658	0.7355	-.95
032	0.2090	1.50	505	97.500	.44	026	91.100	-1.22	--	Method 029.99	--	016	0.7340	-1.03
366	0.2050	1.25	722	97.478	.39	226	90.000	-1.46	--	Method 029.99	--	038	0.7345	-1.04
309	0.1950 R	1.00	035	95.000	.28	553	86.800	-2.12	508	0.0487	-.71	108	0.7500 R	-1.49
560	0.2005	.96	Avg	94.625		144	83.550 s	-3.10	--	Method 031.00	--	039	0.7191	-1.76
353	0.2000	.91	178	93.000	-.22				--	Method 031.00	--	142	0.7150	-1.97
357	0.1950	.68	307	92.600	-.28	622	0.7522	.71				646	0.7150	-2.09
160	0.1936	.63	629	92.000	-.38							034	0.6900 s	-3.33
			590	91.410	-.48							591	0.3750 s	-18.68

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 031.02	--	--	Method 031.05	--	--	Method 031.99	--	--	Method 032.05	--	--	Method 032.05	--
013	0.7700	.77	049	0.7650	.64	631	0.7650	.94	160	1.3854 S	2.33	186	1.1550	-.53
505	0.7700	.77	038	0.7670	.57	590	0.7600	.83	208	1.3845	2.32	297	1.1450	-.56
Avg	0.7629		027	0.7640	.48	676	0.7575	.61	294	1.3650	2.09	003	1.1400	-.61
011	0.7602	-.32	413	0.7600	.44	673	0.7500	.30	353	1.3300 R	1.81	154	1.1314	-.84
043	0.7600	-1.14	003	0.7600	.35	Avg	0.7428		226	1.3100	1.47	366	1.1100	-1.00
014	0.7545	-1.38	199	0.7521	.18	065	0.7195	-.97	560	1.2900	1.19	148	1.0665	-1.49
--	Method 031.03	--	726	0.7490	.15	692	0.7050	-1.59	021	1.2750	1.05	553	1.0650	-1.52
720	0.7700 s	3.33	510	0.7500	.08	047	0.7150 R	-1.86	520	1.2500 R	.93	144	1.0200 s	-2.17
036	0.7655	1.06	Avg	0.7473		--	Method 032.01	--	096	1.2500 R	.93	616	1.0040	-2.25
043	0.7550	.45	242	0.7450	-.15	856	1.2800	1.77	358	1.2100 R	.75	309	0.9814	-2.51
026	0.7550	.45	190	0.7450	-.15	208	1.2575	1.38	038	1.2150 R	.72	--	Method 032.99	--
Avg	0.7518		186	0.7410	-.19	307	1.2250	.86	425	1.2500	.71	065	1.1803	.86
208	0.7485	-.25	226	0.7450	-.42	350	1.2215	.81	300	1.2400	.60	Avg	1.1427	
307	0.7350	-1.71	164	0.7300	-.47	354	1.2100	.63	413	1.2300	.48	692	1.1050	-.87
--	Method 031.05	--	100	0.7300	-.55	205	1.1900	.43	049	1.2100	.42	--	Method 033.00	--
616	1.3700 s	17.09	035	0.7200	-.75	505	1.1900	.33	405	1.2200	.37	366	1.2500 S	5.12
160	0.8879 s	3.86	297	0.7200	-.75	038	1.1850	.32	009	1.2199	.36	169	1.1200 S	3.11
028	0.8550 S	2.96	572	0.7225	-.80	720	1.1900	.29	510	1.2200	.35	849	1.0750	2.42
074	0.8000	1.45	045	0.7175	-.83	098	1.1750	.09	187	1.2150	.29	353	0.9650	.75
208	0.7985	1.43	187	0.7162	-.85	Avg	1.1721		029	1.1980	.24	539	0.9450	.49
096	0.7900	1.29	357	0.7150	-.90	650	1.1600	-.19	199	1.2070	.19	013	0.9450	.49
508	0.7838	1.22	202	0.7150	-.90	175	1.1550	-.29	265	1.2050	.18	Avg	0.9164	
366	0.7900	1.20	229	0.7150	-.90	563	1.1505	-.36	011	1.2014	.12	160	0.9100	-.10
300	0.7869	1.20	294	0.7150	-.90	139	1.1360	-.58	Avg	1.1863		731	0.9100	-.10
265	0.7900	1.17	009	0.7221 R	-1.09	035	1.1300	-.68	202	1.1900	-.01	208	0.9010	-.24
358	0.7700 R	1.03	553	0.7035	-1.27	653	1.1220	-.83	357	1.1850	-.09	045	0.8730	-.69
106	0.7830	.99	154	0.6970	-1.38	710	1.1200	-.86	100	1.1750	-.20	504	0.8600	-.87
512	0.7797	.92	144	0.6900	-1.59	142	1.0000	-2.78	045	1.1750	-.20	309	0.8565	-.91
425	0.7800	.90	278	0.6900	-1.66	591	0.1385 s	-16.68	242	1.1750	-.20	689	0.8400	-1.20
598	0.7800	.90	168	0.6840	-1.74	--	Method 032.02	--	164	1.1750	-.20	--	Method 033.01	--
353	0.7800	.90	309	0.6825	-1.87	590	1.2150	.86	026	1.1710	-.24	226	1.2600 s	12.75
029	0.7695	.87	089	0.6750	-1.99	731	1.2000	.54	598	1.1700	-.25	026	0.9850	2.64
520	0.7750	.87	032	0.5380 s	-5.75	Avg	1.1763		278	1.1700	-.25	096	0.9400 R	1.77
560	0.7785	.86	--	Method 031.06	--	169	1.1700	-.13	572	1.1800	-.27	202	0.9600	1.71
405	0.7750	.77	536	0.7750	.71	108	1.1200	-1.57	229	1.1700	-.28	413	0.9450	1.18
148	0.7745	.75	--			108	1.1200	-1.57	508	1.1551	-.43	242	0.9400	.98
021	0.7725	.70	--			--	Method 032.02	--	106	1.1550	-.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
--	Method 033.01	--	--	Method 033.99	--	--	Method 035.00	--	--	Method 035.03	--	--	Method 036.00	--
178	0.9300 R	.96	855	0.8400	-1.08	208	0.3515	.29	199	0.3460	-.15	297	0.3200	.00
098	0.9300	.61	354	0.3500	.20	354	0.3500	.20	405	0.3445	-.28	307	0.2450 S	.00
307	0.9250	.46	Avg	0.3464	--	Avg	0.3464	--	202	0.3450	-.32	Avg	0.3200	
164	0.9250	.46	038	0.6080	.71	722	0.3428	-.21	598	0.3450	-.32			
629	0.9200	.24	--	Method 034.03	--	650	0.3450	-.29	229	0.3450	-.32	--	Method 036.03	--
650	0.9200	.24	--	Method 034.03	--	205	0.3450	-.29	154	0.3424	-.35	616	0.5450 s	13.68
510	0.9150	.19	563	0.4640	.71	152	0.3350	-.70	297	0.3400	-.45	294	0.3500	1.68
205	0.9180	.17	--	Method 034.04	--	139	0.3320	-.82	164	0.3400	-.45	154	0.3473	1.55
Avg	0.9134		026	0.7550	2.07	658	0.3317	-.83	148	0.3380	-.56	160	0.3463	1.46
199	0.9133	-.05	Avg	0.6090		142	0.3200	-1.49	038	0.3440	-.66	560	0.3360	.88
021	0.9100	-.13	164	0.6000	-.13	035	0.3050	-2.35	226	0.3400	-.68	021	0.3325	.64
559	0.9000	-.49	208	0.5915	-.25	591	0.1920 s	-8.71	049	0.3400	-.68	708	0.3285	.37
229	0.9000	-.49	512	0.5868	-.33	--	Method 035.01	--	278	0.3400	-.68	366	0.3250	.34
100	0.9000	-.49	572	0.5755	-.48	563	0.3750	.87	186	0.3365	-.71	353	0.3250	.34
278	0.9000	-.49	169	0.5450	-.91	Avg	0.3625		358	0.3450	-.79	Avg	0.3226	
175	0.8950	-.70	--	Method 034.05	--	856	0.3500	-.86	045	0.3330	-.82	357	0.3200	-.16
354	0.8900	-.86	016	0.8445	.99	--	Method 035.03	--	309	0.3303	-.96	202	0.3200	-.16
011	0.8871	-.97	560	0.7200	.23	187	0.7630 s	21.03	144	0.3400 R	-1.11	038	0.3220	-.37
710	0.8850	-1.06	Avg	0.6825		029	0.4247 s	3.95	572	0.3255	-1.25	106	0.3155	-.46
029	0.8850	-1.06	154	0.4830	-1.21	160	0.4016	2.69	089	0.3200	-1.47	169	0.3150	-.56
425	0.8600	-1.96	--	Method 034.99	--	510	0.3900	2.09	035	0.3150	-1.74	186	0.3130	-.60
106	0.8070 s	-3.91	047	1.7000 S	40.04	520	0.3700 R	1.86	616	0.3100	-2.04	300	0.3170	-.65
590	0.4150 s	-18.35	508	0.5786	.61	353	0.3800	1.66	--	Method 035.05	--	278	0.3150 R	-1.03
--	Method 033.03	--	Avg	0.5618		508	0.3739	1.28	106	0.6590 S	17.17	045	0.3025	-1.24
144	0.9650	1.51	098	0.5450	-1.06	413	0.3650	.86	169	0.4350 S	4.22	187	0.2984	-1.49
190	0.8950	.67	--	Method 035.00	--	096	0.3650	.86	294	0.3850	1.35	309	0.2931	-1.82
Avg	0.8620		710	0.4250 s	4.43	098	0.3600	.76	560	0.3635	.12	508	0.1060 s	-13.33
598	0.8500	-.17	175	0.3750 R	1.81	242	0.3600	.56	Avg	0.3621		--	Method 036.04	--
505	0.8000	-.91	233	0.3700	1.44	265	0.3600	.56	590	0.3600	-.12	226	0.3450	.98
726	0.8000	-.96	263	0.3707	1.36	425	0.3600	.56	731	0.3400	-1.28	Avg	0.3275	
265	0.5000 S	-5.03	098	0.3707	1.36	175	0.3600	.56	108	0.3500 R	-1.35	510	0.3100	-.74
--	Method 033.99	--	098	0.3707	1.36	021	0.3580	.47	--	Method 035.99	--	--	Method 037.01	--
003	1.0400	1.67	263	0.3707	1.36	011	0.3576	.47	--	Method 035.99	--	--	Method 037.01	--
Avg	0.9140		098	0.3600	.95	366	0.3550	.40	692	0.3300	.07	178	4342.5 R	2.32
673	0.9000	-.18	307	0.3600	.76	100	0.3550	.40	Avg	0.3300		612	4194.0	1.78
861	0.9100	-.26	653	0.3580	.65	208	0.3505	.20	065	0.3299	-1.22	013	4060.0	1.30
358	0.8800	-.67	038	0.3580	.65	300	0.3515	.14	720	4030.8	1.16	720	4030.8	1.16
			720	0.3550	.56	Avg	0.3489		590	4000.0	1.10	590	4000.0	1.10

* 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 037.01	--	--	Method 037.03	--	--	Method 037.05	--	--	Method 040.00	--	--	Method 101.01	--
208	3955.0	.90	278	3409.0	-1.25	278	3409.0	-1.25	560	3.5350	-0.71	208	1196.0	.71
175	3950.0	.89	616	3350.0	-1.46	616	3350.0	-1.46	--	Method 041.00	--	--	Method 101.02	--
307	3850.0	R .74	169	3340.0	-1.49	169	3340.0	-1.49	021	1.8000	1.29	858	590.36	.71
014	3903.5	.71	016	3235.0	-1.89	016	3235.0	-1.89	Avg	1.6037	--	--	Method 101.99	--
689	3811.5	.39	309	2591.0	s -4.30	309	2591.0	s -4.30	011	1.5110	-0.61	644	496.50	.71
563	3774.0	.26	026	3570.5	-0.56	026	3570.5	-0.56	154	1.5000	-0.68	--	Method 102.02	--
038	3765.0	.23	144	3441.3	-0.88	144	3441.3	-0.88	508	1.3745	R -1.70	644	0.0130	.00
039	3717.0	.06	003	3375.5	-1.09	047	4365.5	1.17	--	Method 051.00	--	--	Method 104.00	--
669	3704.3	.04	553	3340.0	-1.20	Avg	3834.2	--	028	427.50	2.22	227	4.5550	1.01
722	3703.5	.01	405	3230.5	-1.56	846	3782.1	-1.13	029	390.00	.83	Avg	4.5275	--
Avg	3700.3	--	208	3007.5	-2.30	692	3355.0	-1.05	035	382.00	.43	208	4.5000	-0.69
001	3699.5	-0.02	148	392.60	s -10.90	--	Method 038.00	--	036	373.00	.11	--	Method 104.03	--
350	3619.9	-0.30	--	Method 037.05	--	353	4.9050	s 6.19	037	370.88	--	--	Method 105.00	--
098	3603.5	-0.44	187	4443.1	2.63	510	2.8000	1.81	043	366.70	-0.16	026	3.9480	.83
731	3549.0	-0.53	294	4169.8	1.61	278	2.7150	1.67	027	370.85	-0.17	Avg	3.7502	--
505	3525.5	-0.61	106	4128.5	1.45	011	2.2938	R 1.23	148	361.00	-0.38	858	3.5525	-0.90
043	3536.0	-0.63	366	3985.0	.97	Avg	1.9406	--	218	360.96	-0.43	--	Method 105.01	--
646	3504.5	-0.69	028	3993.5	.95	154	1.9000	-0.08	512	297.80	-1.08	227	2.2900	.71
354	3277.0	-1.50	009	3944.0	.77	029	1.8200	-0.27	001	278.00	-1.40	--	Method 106.01	--
710	3196.5	-1.76	096	3850.0	.45	106	1.7600	-0.41	--	Method 086.00	--	858	1.5997	.71
591	3027.5	-2.36	160	3853.0	.45	508	1.7555	-0.46	218	29.100	.71	--	Method 106.02	--
035	2718.0	s -3.44	353	3785.0	.35	038	1.7000	-0.50	--	Method 086.99	--	--	Method 106.02	--
--	Method 037.03	--	027	3824.0	.32	560	1.6100	-0.71	846	450.24	1.31	021	3956.5	s 3282.80
029	4505.5	2.63	045	3810.0	.29	297	1.4050	-1.12	003	406.20	.62	038	63.927	s 50.87
265	4100.5	1.34	560	3787.0	.20	--	Method 038.99	--	010	398.00	.49	560	4.9850	1.82
011	4028.2	1.06	199	3775.0	.13	164	2.0500	.71	038	371.00	.23	563	4.3575	1.29
226	3945.0	.79	Avg	3739.8	--	--	Method 039.01	--	Avg	366.87	--	616	3.5700	.64
520	3892.5	R .79	726	3723.1	-0.06	--	Method 039.02	--	512	297.80	-1.08	--	Method 105.00	--
629	3900.0	.64	202	3693.0	-0.18	164	3.5500	.71	001	278.00	-1.40	--	Method 105.01	--
358	3854.8	.56	190	3737.8	-0.18	--	Method 039.01	--	--	Method 086.00	--	858	1.5997	.71
074	3865.5	.52	186	3717.5	-0.21	--	Method 039.02	--	218	29.100	.71	--	Method 106.01	--
242	3824.0	.39	021	3737.0	-0.22	154	4.3500	1.05	--	Method 086.99	--	--	Method 106.02	--
098	3754.0	.31	572	3675.0	-0.26	011	4.0233	.36	--	Method 086.99	--	021	3956.5	s 3282.80
229	3711.5	.15	357	3646.5	-0.35	508	3.8665	.17	027	31.542	-0.71	038	63.927	s 50.87
100	3738.0	.14	032	3573.9	-0.64	Avg	3.8387	--	--	Method 086.99	--	560	4.9850	1.82
300	3727.5	.11	154	3565.0	-0.66	560	3.1150	-1.50	--	Method 086.99	--	563	4.3575	1.29
510	3731.5	.08	508	3548.0	-0.73	413	3415.0	-1.21	--	Method 086.99	--	616	3.5700	.64
297	3707.0	.06	413	3415.0	-1.21	--	Method 039.02	--	--	Method 086.99	--	--	Method 106.02	--

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 106.02	--	--	Method 113.01	--	--	Method 122.00	--	--	Method 125.05	--	--	Method 128.00	--
Avg	2.7997	.80	208	1.6950	6.51	676	2.8690 S	6.51	668	4.2207	.83	Avg	0.8665	
199	2.7400	-.05	Avg	1.5125	.87	504	2.4300	.87	Avg	3.9021		644	0.8610	-.09
208	2.3500	-.38	858	1.3300	-.93	227	2.4185	.69	038	3.5835	-.90	571	0.8615	-.10
096	2.2700 R	-.56				644	2.4140	.58				160	0.7569	-1.81
160	2.1250	-.56	--	Method 114.01	--	571	2.4050	.46	--	Method 126.00	--			
227	1.9550	-.70	227	0.3030	1.00	Avg	2.3700		676	1.3380 S	7.05	--	Method 128.05	--
722	1.7150	-.90	858	0.2300	.29	350	2.3215	-.65	504	1.1700	1.37	038	0.7975	.91
676	1.4000	-1.16	Avg	0.2137	-1.82	160	2.2310	-1.82	227	1.1480	.79	Avg	0.6974	
--	Method 106.99	--	208	0.1080	-1.19	--	Method 122.05	--	571	1.1450	.51	668	0.5974	-.82
003	5137.5 S	.00	--	Method 120.00	--	668	2.5470	.79	Avg	1.1308		--	Method 129.00	--
--	Method 107.00	--	676	1.4750	1.55	Avg	2.4197		350	1.1195	-.39	676	2.3125 S	5.78
208	13.620	.50	504	1.3050	.41	038	2.2925	-.94	160	1.1170	-.47	504	2.0950	1.60
Avg	12.026		571	1.2750	.20	--	Method 124.00	--	644	1.0855	-1.54	227	2.0620	.95
858	10.433	-1.12	227	1.2690	.18	--	Method 124.00	--	--	Method 126.05	--	Avg	2.0127	
--	Method 108.02	--	Avg	1.2457		571	0.3955	1.38	668	1.1492	1.14	571	2.0000	-.24
722	3.4964	1.29	350	1.2275	-.13	160	0.3767	.56	Avg	1.1154		644	1.9805	-.63
Avg	1.4236		644	1.2105	-.24	504	0.3650	.22	038	1.0815	-.44	160	1.9817	-.66
208	0.4245	-.62	160	0.9579	-1.94	Avg	0.3637		--	Method 127.00	--	350	1.9570	-1.07
644	0.3500	-.67	--	Method 120.05	--	350	0.3465	-.83	--	Method 127.00	--	--	Method 129.05	--
--	Method 109.02	--	038	1.2245	.87	644	0.3350	-1.24	676	0.9005 S	7.34	Avg	1.9260	
858	561.75 S	18.62	Avg	1.0065		--	Method 124.02	--	504	0.7550	1.36	038	1.9260	-.71
560	91.850	1.37	668	0.7885	-.86	676	0.3785	.83	227	0.7380	.59	668	1.2509 S	-9.38
199	88.450	1.25	--	Method 121.00	--	Avg	0.3600		571	0.7340	.34			
676	67.795 R	.62	676	1.7380	1.92	227	0.3415	-.90	160	0.7329	.28	--	Method 130.00	--
227	63.100	.33	504	1.5050	.27	--	Method 124.05	--	Avg	0.7264		676	1.9650 S	7.28
Avg	54.438		227	1.4920	.16	038	0.3825	.71	644	0.7110	-.65	504	1.7450	2.14
644	49.550	-.22	Avg	1.4699		--	Method 125.00	--	350	0.6875	-1.64	160	1.6832	.68
722	41.836	-.46	571	1.4650	-.05	--	Method 125.00	--	--	Method 127.05	--	Avg	1.6551	
208	27.875	-.97	644	1.4540	-.12	676	4.2985	2.25	038	0.6680	.71	350	1.6530	-.11
563	18.408	-1.32	350	1.3745	-.68	227	3.8070	.16	Avg	0.6680		571	1.6500	-.12
--	Method 109.99	--	160	1.2609	-1.49	Avg	3.7754		668	0.5031 S	-23.97	858	1.6380	-.41
096	48.500	.71	--	Method 121.05	--	644	3.7195	-.24	--	Method 128.00	--	227	1.6415	-.62
			668	2.3855 S	81.92	571	3.7150	-.26	--	Method 128.00	--	644	1.6200	-.82
			038	1.4940	.71	504	3.6700	-.48	676	0.9470	1.34	512	1.6100	-1.09
			Avg	1.4940		350	3.6455	-.56	504	0.9100 R	.98			
						160	3.5724	-.87	227	0.9020	.62			
									350	0.8705	.14			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 130.01	--	--	Method 132.05	--	--	Method 135.00	--	--	Method 138.00	--	--	Method 138.00	--
035	0.0164 S	.00	038	1.1045	.71	644	1.0960	-.46	160	1.2673	-.40	227	1.2845	-.46
--	Method 130.05	--	Avg	1.1045		160	1.0920	-1.05	227	1.2845	-.46	571	1.2500	-.74
027	1.5980	.68	668	0.9652 S	-20.18	858	1.0950	-1.43	571	1.2500	-.74	644	1.2465	-.78
038	1.6170	.67	--	Method 133.00	--	350	1.0460 s	-5.20	644	1.2465	-.78	--	Method 138.05	--
Avg	1.2610		676	1.4515 S	4.36	--	Method 135.05	--	--	Method 138.05	--	Avg	1.1160	
668	0.5680	-1.26	227	1.3080	1.69	Avg	1.0335		038	1.1160	-.71	668	0.7575 S	-3.52
--	Method 131.00	--	Avg	1.2321		038	1.0335	-.71	668	0.7575 S	-3.52	--	Method 139.00	--
644	0.6145	1.33	644	1.2270	-.10	160	0.3630	1.56	504	0.0750	-.71	--	Method 139.00	--
160	0.6057	1.14	571	1.2250	-.33	Avg	0.3393		504	0.0750	-.71	--	Method 139.00	--
571	0.5715	.26	160	1.1907	-.83	644	0.3355	-.24	--	Method 139.00	--	--	Method 139.00	--
504	0.5650	.14	504	1.2100	-.91	571	0.3290	-.68	504	0.0750	-.71	--	Method 139.00	--
Avg	0.5623		--	Method 133.05	--	227	0.3295	-.74	--	Method 139.00	--	--	Method 139.00	--
858	0.5515	-.35	038	1.1880	.71	644	0.3355	-.24	--	Method 139.00	--	--	Method 139.00	--
512	0.5274	-.89	Avg	1.1880		571	0.3290	-.68	504	0.0750	-.71	--	Method 139.00	--
350	0.5005	-1.56	668	0.7706 S	-16.42	227	0.3295	-.74	504	0.0750	-.71	--	Method 139.00	--
--	Method 131.02	--	--	Method 134.00	--	--	Method 136.99	--	--	Method 139.00	--	--	Method 139.00	--
676	0.6155	.84	676	1.2135	1.64	858	0.3155	.97	858	0.3155	.97	--	Method 139.00	--
Avg	0.5940		227	1.1285	.73	Avg	0.3153		Avg	0.3153		--	Method 139.00	--
227	0.5725	-.89	571	1.1200	.46	504	0.3150	-.75	504	0.3150	-.75	--	Method 139.00	--
--	Method 131.05	--	Avg	1.0828		--	Method 137.00	--	--	Method 139.00	--	--	Method 139.00	--
038	0.5935	.71	350	1.0730	-.19	676	0.9440	1.92	676	0.9440	1.92	--	Method 139.00	--
--	Method 132.00	--	160	1.0493	-.43	160	0.8138	.42	160	0.8138	.42	--	Method 139.00	--
676	1.3315 S	7.45	644	1.0350	-.60	Avg	0.7803		Avg	0.7803		--	Method 139.00	--
504	1.1850	1.35	504	0.9600	-1.58	644	0.7560	-.29	644	0.7560	-.29	--	Method 139.00	--
227	1.1920	1.06	--	Method 134.05	--	504	0.7350	-.61	504	0.7350	-.61	--	Method 139.00	--
571	1.1700	.46	038	1.1485	.71	350	0.7250	-.65	350	0.7250	-.65	--	Method 139.00	--
Avg	1.1686		Avg	1.0648		227	0.7080	-.86	227	0.7080	-.86	--	Method 139.00	--
350	1.1655	-.15	668	0.9810	-.99	--	Method 137.05	--	--	Method 139.00	--	--	Method 139.00	--
644	1.1625	-.28	--	Method 135.00	--	668	0.7412	.71	668	0.7412	.71	--	Method 139.00	--
160	1.1365	-1.50	676	1.2685 s	15.89	--	Method 138.00	--	--	Method 139.00	--	--	Method 139.00	--
--	Method 132.05	--	227	1.1030	.88	676	1.3830	1.94	676	1.3830	1.94	--	Method 139.00	--
676	1.3315 S	7.45	504	1.1100	.87	504	1.2950	1.09	504	1.2950	1.09	--	Method 139.00	--
504	1.1850	1.35	571	1.1090	.78	Avg	1.2865		Avg	1.2865		--	Method 139.00	--
227	1.1920	1.06	Avg	1.1008		350	1.2795	-.14	350	1.2795	-.14	--	Method 139.00	--
571	1.1700	.46	--	Method 135.00	--	--	Method 138.00	--	--	Method 139.00	--	--	Method 139.00	--
Avg	1.1686		676	1.2685 s	15.89	676	1.3830	1.94	676	1.3830	1.94	--	Method 139.00	--
350	1.1655	-.15	227	1.1030	.88	504	1.2950	1.09	504	1.2950	1.09	--	Method 139.00	--
644	1.1625	-.28	504	1.1100	.87	571	1.1090	.78	571	1.1090	.78	--	Method 139.00	--
160	1.1365	-1.50	571	1.1090	.78	Avg	1.2865		Avg	1.2865		--	Method 139.00	--
--	Method 132.05	--	Avg	1.1008		350	1.2795	-.14	350	1.2795	-.14	--	Method 139.00	--

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

Method Code	Number Of Labs	Method Evaluation - Z Values Based on 1 Reports				Method Code	Number Of Labs	Method Evaluation - Z Values Based on 1 Reports			
		Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code			Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	
001.00	8	0.0000	1.02	0.16	012.00	5	0.0000	1.06	0.04		
001.07	28	0.1656	2.43	0.28	012.01	2	0.0000	1.12	0.35		
001.99	15	0.3028	2.21	0.32	012.03	2	0.0000	0.71	0.70		
002.00	4	0.0000	1.04	0.24	012.04	5	0.0000	1.05	0.15		
002.01	7	0.0000	1.00	0.26	012.11	5	0.0000	1.06	0.06		
002.02	8	0.1610	1.02	0.85	013.02	30	-0.0786	1.06	0.21		
002.04	2	-2.7660	3.91	0.65	013.10	11	0.2894	1.36	0.33		
002.05	15	0.3869	1.79	0.13	013.11	2	0.0000	1.18	0.24		
002.06	111	0.0351	1.04	0.31	013.99	5	-0.6015	1.64	0.09		
002.08	4	0.0000	1.08	0.09	015.00	11	0.7951	2.81	0.12		
002.10	6	0.1352	1.00	0.52	017.00	6	0.0000	1.03	0.20		
002.11	8	-8.6117	36.59	0.84	017.99	2	0.0000	1.02	0.48		
002.99	3	0.0000	1.11	0.08	019.00	10	0.3577	1.48	0.18		
003.00	25	0.3239	1.63	0.82	019.01	39	-0.0667	1.48	0.82		
003.06	16	-0.3976	1.87	0.62	019.03	4	0.0000	0.80	0.62		
003.09	21	-0.0509	1.02	0.63	019.05	32	0.1882	1.21	0.19		
003.10	21	0.2186	1.22	0.72	019.08	3	4.0398	7.00	0.97		
003.11	8	0.9383	2.02	0.14	019.09	27	-0.0523	1.01	0.21		
003.13	6	0.0000	1.02	0.24	019.99	4	0.0000	1.07	0.13		
003.14	12	0.3658	2.41	0.68	020.00	3	0.0000	1.11	0.14		
003.99	7	0.5306	1.64	0.45	020.01	7	0.0000	1.02	0.20		
004.00	22	0.0655	1.06	0.18	021.01	4	1.3193	2.78	0.99		
004.06	20	0.3130	1.41	0.53	021.02	12	-0.3851	1.62	0.31		
004.07	35	-0.0077	0.97	0.22	022.01	21	0.0162	0.97	0.23		
004.11	7	2.5724	6.87	0.11	022.03	25	-0.1361	1.20	0.48		
004.99	5	15.7114	22.01	0.59	022.05	29	0.1321	1.10	0.30		
005.00	106	0.0003	1.00	0.27	022.99	2	0.0000	1.00	0.50		
005.11	6	0.0000	1.03	0.17	025.01	21	0.0000	1.00	0.16		
005.99	9	0.7168	2.35	0.74	025.03	27	-0.2858	1.92	0.26		
008.02	12	-0.3687	1.49	0.21	025.05	21	-0.3904	1.94	1.14		
008.08	17	0.0175	0.97	0.21	027.01	23	0.0341	1.05	0.19		
008.99	4	0.0000	0.99	0.37	027.03	28	-0.0018	0.98	0.14		
009.07	9	2.4582	7.43	7.83	027.05	21	0.0290	0.97	0.27		
009.09	13	-0.0458	0.99	0.11	027.99	3	0.0000	1.11	0.08		
010.03	4	0.0000	1.07	0.14	028.01	22	-0.1127	1.11	0.17		
010.11	7	0.0000	1.04	0.05	028.03	26	-0.0699	1.12	0.38		
010.99	9	0.0000	1.03	0.05	028.05	25	0.4137	1.48	0.29		
011.01	69	0.1041	1.22	0.26	028.99	2	0.0000	0.43	0.81		
011.99	2	-7.6309	10.79	1.01	031.01	38	-0.5729	3.19	0.46		

Method Code	Number Of Labs	Method Evaluation - Z Values Based on 1 Reports				Method Code	Number Of Labs	Method Evaluation - Z Values Based on 1 Reports		Std Dev Within Labs	Std Dev of Biases	Std Dev Within Labs
		Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Avg Bias of Labs							
031.02	5	0.0000	0.75	0.67	113.01	2	0.0000	1.07	0.42			
031.03	6	0.2300	0.95	1.34	114.01	3	0.0000	1.11	0.13			
031.05	54	0.3349	2.70	0.32	120.00	7	0.0000	1.04	0.07			
031.99	7	-0.1653	1.03	0.58	120.05	2	0.0000	1.21	0.13			
032.01	19	-0.8776	3.95	0.15	121.00	7	0.0000	1.04	0.08			
032.02	4	0.0000	0.87	0.55	121.05	2	39.3969	55.72	15.85			
032.05	48	0.0321	1.02	0.28	122.00	7	0.9283	2.63	0.23			
032.99	2	0.0000	1.22	0.09	122.05	2	0.0000	1.01	0.49			
033.00	13	0.6302	1.84	0.22	124.00	5	0.0000	1.04	0.20			
033.01	28	-0.2824	4.45	0.38	124.02	2	0.0000	1.16	0.28			
033.03	6	-0.8388	2.23	0.35	125.00	7	0.0000	1.04	0.09			
033.99	5	0.0000	0.97	0.39	125.05	2	0.0000	1.18	0.24			
034.04	6	0.0000	1.05	0.06	126.00	7	1.0023	2.81	0.37			
034.05	3	0.0000	1.12	0.05	126.05	2	0.0000	0.62	0.75			
034.99	3	13.3463	23.12	0.52	127.00	7	1.0465	2.91	0.32			
035.00	20	-0.1332	2.44	0.33	127.05	2	-11.6602	16.49	3.96			
035.01	2	0.0000	1.22	0.07	128.00	7	0.1029	0.99	0.27			
035.03	41	0.6219	3.45	0.43	128.05	2	0.0000	1.14	0.31			
035.05	7	2.9547	6.52	0.47	129.00	7	0.8209	2.37	0.29			
035.99	2	0.0000	0.10	0.86	129.05	2	-4.6804	6.62	0.63			
036.00	2	0.0000	0.00	0.00	130.00	9	0.8090	2.60	0.24			
036.03	21	-0.0053	4.36	0.36	130.05	3	0.0000	1.09	0.21			
036.04	2	0.0000	1.05	0.45	131.00	7	0.0000	1.03	0.17			
037.01	26	-0.0256	1.25	0.22	131.02	2	0.0000	1.19	0.21			
037.03	26	-0.3955	2.35	0.17	132.00	7	1.0509	2.89	0.65			
037.05	29	-0.1480	1.26	0.14	132.05	2	-8.9578	12.67	6.59			
037.99	3	0.0000	1.11	0.08	133.00	6	0.7261	1.95	0.48			
038.00	11	0.6295	2.06	0.35	133.05	2	-8.1995	11.60	0.76			
039.02	4	0.0000	1.03	0.29	134.00	7	0.0000	1.01	0.24			
041.00	4	-0.3765	1.18	0.39	134.05	2	0.0000	0.98	0.51			
051.00	10	0.0000	1.00	0.24	135.00	8	1.3337	6.17	0.73			
051.03	6	0.0000	1.04	0.12	135.05	2	-5.1249	7.25	0.87			
104.00	2	0.0000	0.29	0.84	136.01	4	0.0000	1.02	0.31			
104.03	2	0.0000	1.16	0.27	136.99	2	0.0000	0.05	0.87			
105.00	3	0.0000	1.07	0.25	137.00	6	0.0000	1.03	0.16			
106.02	12	277.7537	946.44	6.43	138.00	7	0.0000	0.90	0.48			
107.00	2	0.0000	0.71	0.71	138.05	2	-1.7604	2.49	0.51			
108.02	3	0.0000	1.11	0.09								
109.02	9	2.1206	6.25	0.37								