

Feed Check Sample No. - 200727 Pig Grower, Medicated
 Association of American Feed Control Officials

- Pass 1 Results for 196 Labs - - Pass 2 Results for 196 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
Urea, Misc		000.99	1	0.24500	0.00707	0.01000	1	0.24500	0.00707	0.01000
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	9	10.2950	0.29810	0.07222	9	10.2950	0.29810	0.07222
Loss on Drying, ISO 6496		001.03	4	10.4775	0.09498	0.06500	4	10.4775	0.09498	0.06500
Loss on Drying, 104 deg 3 hr, in malt ..	935.29	001.07	41	10.1123	0.28272	0.10152	38	10.1109	0.27687	0.06769
Loss on Drying, Misc		001.99	16	10.2791	0.53766	0.08949	15	10.2871	0.55336	0.07413
Method Group 001.XX PCT			70	10.1948	0.36595	0.09292	66	10.1983	0.36873	0.06961
Protein, Crude	954.01	002.00	4	15.5913	0.37138	0.21250	4	15.5913	0.37138	0.21250
Protein, Auto Kjell-Foss	976.05	002.01	10	15.5659	0.38133	0.04180	10	15.5659	0.38133	0.04180
Protein, Semiauto Autoanalyzer	976.06	002.02	12	15.5761	0.33723	0.18058	11	15.5680	0.33426	0.13245
Protein, Hach Method		002.03	1	15.7600	0.39598	0.56000	1	15.7600	0.39598	0.56000
Protein, Copper Cat	984.13	002.04	5	15.9190	0.43791	0.11000	5	15.9190	0.43791	0.11000
Protein, Copper, Boric Acid		002.05	19	15.5173	0.19379	0.07282	19	15.5173	0.19379	0.07282
Protein, Combustion Nitrogen Analyzer	990.03	002.06	116	15.7960	0.36175	0.14690	107	15.8124	0.33608	0.11423
Protein, Cu/Ti	988.05	002.08	5	15.5442	0.14108	0.08280	5	15.5442	0.14108	0.08280
Protein, Selenium Catalyst		002.09	1	16.4300	0.48083	0.68000	1	16.4300	0.48083	0.68000
Protein, Block dig/distillation		002.10	7	15.5786	0.20343	0.10857	7	15.5786	0.20343	0.10857
Protein, NIR		002.11	15	15.5707	0.27979	0.15600	14	15.5375	0.24417	0.12214
Protein, Misc		002.99	5	15.9360	0.41762	0.18400	4	15.9038	0.41945	0.03750
Method Group 002.XX PCT			200	15.7195	0.36021	0.14042	188	15.7220	0.34602	0.11253
Fat, Eth Ext, Direct	920.39	003.00	28	7.14900	0.23339	0.08779	26	7.17008	0.19635	0.07300
Fat, Ind Eth Ext (13th ed), Indirect ..	920.39	003.01	2	6.45463	0.62899	0.02025	2	6.45463	0.62899	0.02025
Fat, Pet Ether		003.06	23	6.99152	0.18233	0.07261	22	6.97636	0.16892	0.06364
Fat, Soxtec, Eth Ext		003.09	29	7.01388	0.29411	0.07017	28	7.01116	0.29661	0.05839
Fat, Soxtec, Pet Ether		003.10	35	6.86396	0.22338	0.06851	32	6.89011	0.20453	0.04399
Fat, NIR		003.11	15	6.78733	0.33518	0.05733	13	6.72115	0.26658	0.03462
Fat, Hexane Ext.		003.12	3	7.03333	0.11396	0.14667	3	7.03333	0.11396	0.14667
Fat, Soxtec, Hexane Ext.		003.13	4	7.01875	0.47888	0.18250	3	7.23000	0.26389	0.04000
Fat, Ankom		003.14	12	6.81833	0.48628	0.15500	11	6.83045	0.50045	0.12091
Fat, Misc		003.99	8	6.87125	0.56579	0.09750	9	6.72389	0.68342	0.10333
Method Group 003.XX PCT			159	6.95159	0.33058	0.08347	148	6.95863	0.32070	0.06420
Fiber, Crude Asbestos Free	962.09	004.00	27	4.53963	0.33013	0.14148	26	4.54115	0.32699	0.11615
Fiber, Sing Filt		004.01	2	5.66000	0.27215	0.27000	2	5.66000	0.27215	0.27000
Fiber, Fritted Glass	978.10	004.03	3	4.95333	0.48471	0.10667	3	4.95333	0.48471	0.10667
Fiber, Fibertec		004.06	29	4.64781	0.25352	0.13573	28	4.64595	0.25147	0.11915
Fiber, ANKOM		004.07	44	4.47157	0.50937	0.14921	42	4.41070	0.53169	0.10155
Fiber, NIR		004.11	14	4.58357	0.30614	0.07286	14	4.58357	0.30614	0.07286
Fiber, Misc		004.99	5	3.80400	0.38332	0.09200	4	3.79625	0.42406	0.02750
Method Group 004.XX PCT			124	4.54416	0.44928	0.13437	118	4.54132	0.44137	0.10611
Ash,	942.05	005.00	126	5.35869	0.13915	0.06104	116	5.35578	0.13162	0.04483

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Ash, NIR		005.11	9	5.25333	0.15197	0.06444	9	5.25333	0.15197	0.06444
Ash, Misc		005.99	11	5.41773	0.16931	0.07364	10	5.41450	0.17086	0.05100
Method Group 005.XX PCT			146	5.35665	0.14514	0.06220	135	5.35330	0.13911	0.04660
Sugar, TSI, Lane-Eynon (12th)	923.09	006.05	1	5.40500	0.02121	0.03000	1	5.40500	0.02121	0.03000
Fiber, Acid Detergent	973.18	008.02	18	6.53964	0.74955	0.16506	18	6.53964	0.74955	0.16506
Fiber, Acid Detergent-Hach		008.05	1	7.55000	0.07071	0.10000	1	7.55000	0.07071	0.10000
Fiber, Acid Detergent by ANKOM		008.08	22	6.20886	0.67833	0.14682	21	6.14333	0.61770	0.12571
Fiber, Acid Detergent Misc		008.99	5	6.29600	1.44706	0.14400	5	6.29600	1.44706	0.14400
Method Group 008.XX PCT			46	6.37692	0.83412	0.15263	45	6.35008	0.82214	0.14291
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	20.6750	0.13435	0.19000	1	20.6750	0.13435	0.19000
Fiber, Neutral Det-ENZ Pretreat		009.07	13	18.1969	1.44441	0.35385	12	17.9633	1.21858	0.26667
Fiber, Neutral Detergent by ANKOM		009.09	18	18.3366	1.33437	0.32619	16	18.1144	0.90989	0.28000
Fiber, Neutral Det Misc		009.99	1	18.3200	0.04243	0.06000	1	18.3200	0.04243	0.06000
Method Group 009.XX PCT			33	18.3519	1.39187	0.32489	30	18.1462	1.11632	0.26433
Moisture, NIR		010.11	11	10.4741	0.43325	0.14636	11	10.4741	0.43325	0.14636
Moisture, Misc		010.99	13	10.3698	0.42102	0.16862	12	10.3814	0.42779	0.13267
Method Group 010.XX PCT			24	10.4176	0.42534	0.15842	23	10.4257	0.42816	0.13922
Loss on Drying, 135 deg 2 hr	930.15	011.01	73	11.2182	0.38963	0.11313	67	11.2410	0.36079	0.08117
Loss on Drying, High Temp Methods, Misc		011.99	3	10.6633	0.50258	0.08000	3	10.6633	0.50258	0.08000
Method Group 011.XX PCT			76	11.1963	0.40729	0.11182	70	11.2162	0.38396	0.08112
Starch, Polarimetric (Ewers)		012.00	7	34.8486	0.51177	0.46571	7	34.8486	0.51177	0.46571
Starch, Megazyme		012.01	3	31.9433	0.61737	0.66667	3	31.9433	0.61737	0.66667
Starch, Colorimetric (GOP)		012.02	1	30.9050	0.61518	0.87000	1	30.9050	0.61518	0.87000
Starch, Enzymatic		012.03	3	35.1433	1.08607	0.37333	3	35.1433	1.08607	0.37333
Starch, YSI Analyzer		012.04	4	31.8138	1.87190	0.27750	4	31.8138	1.87190	0.27750
Starch, NIR		012.11	3	36.3150	0.49314	0.28333	3	36.3150	0.49314	0.28333
Method Group 012.XX PCT			21	33.9193	2.03573	0.43857	21	33.9193	2.03573	0.43857
Fat, Mojonnier, Bak Ext	954.02	013.02	20	7.91975	0.43407	0.16950	19	7.91553	0.43973	0.14684
Fat, Soxtec-Acid Hydrolysis		013.10	14	7.64008	0.37996	0.17344	14	7.64008	0.37996	0.17344
Fat, Ankon-Acid Hydrolysis		013.13	1	8.10000	0.16971	0.24000	1	8.10000	0.16971	0.24000
Method Group 013.XX PCT			35	7.81303	0.42957	0.17309	34	7.80753	0.43160	0.16054
Aluminum, ICP		015.00	13	91.6633	8.89945	4.01708	13	91.6633	8.89945	4.01708
Method Group 015.XX PPM			13	91.6633	8.89945	4.01708	13	91.6633	8.89945	4.01708
Arsenic, AA, Hydride		016.00	1	0.32500	0.03536	0.05000	1	0.32500	0.03536	0.05000
Boron, ICP		017.00	7	5.76643	1.10360	0.73571	7	5.76643	1.10360	0.73571
Boron, Misc		017.99	1	7.15000	0.07071	0.10000	1	7.15000	0.07071	0.10000
Method Group 017.XX PPM			8	5.93937	1.13102	0.65625	8	5.93937	1.13102	0.65625
Cadmium, ICP		018.02	3	0.10442	0.01414	0.01217	3	0.10442	0.01414	0.01217
Method Group 018.XX PPM			3	0.10442	0.01414	0.01217	3	0.10442	0.01414	0.01217

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Calcium, Ox-Mn04 Vol	927.02	019.00	11	0.82830	0.06045	0.01275	11	0.82830	0.06045	0.01275
Calcium, At Abs Spect	968.08	019.01	58	0.81608	0.04213	0.01564	57	0.81619	0.04231	0.01486
Calcium, Semiauto (Autoanalyzer)		019.03	6	0.86161	0.05612	0.01175	6	0.86161	0.05612	0.01175
Calcium, ICP, Dry Ash.....		019.05	39	0.80534	0.03786	0.01206	38	0.80574	0.03814	0.01132
Calcium, EDTA		019.08	5	0.86499	0.04160	0.01982	5	0.86499	0.04160	0.01982
Calcium, ICP, Wet Ash		019.09	28	0.83033	0.04018	0.01682	27	0.83164	0.03975	0.01485
Calcium, Misc		019.99	8	0.80563	0.03184	0.01950	8	0.80563	0.03184	0.01950
Method Group 019.XX PCT			155	0.81962	0.04464	0.01493	152	0.82004	0.04478	0.01411
Chromium, AA.....		020.00	2	2.06250	0.18875	0.02500	2	2.06250	0.18875	0.02500
Chromium, ICP		020.01	10	2.23550	0.45241	0.14120	9	2.27611	0.44952	0.09467
Chromium, Misc		020.99	2	2.80250	0.55506	0.12500	2	2.80250	0.55506	0.12500
Method Group 020.XX PPM			14	2.29179	0.48063	0.12229	13	2.32423	0.47737	0.08862
Cobalt, AA	968.08	021.01	2	1.22000	0.81277	0.13000	2	1.22000	0.81277	0.13000
Cobalt, ICP		021.02	9	0.53653	0.13689	0.06706	9	0.53653	0.13689	0.06706
Cobalt, Misc.		021.99	2	1.60250	1.11386	0.50500	2	1.60250	1.11386	0.50500
Method Group 021.XX PPM			13	0.80567	0.64970	0.14412	13	0.80567	0.64970	0.14412
Copper, Color	947.03	022.00	1	156.000	1.41421	2.00000	1	156.000	1.41421	2.00000
Copper, AA	968.08	022.01	31	146.160	11.1035	3.27348	29	146.230	11.1972	2.52683
Copper, Em Spect	953.01	022.02	1	165.000	7.07107	10.0000	1	165.000	7.07107	10.0000
Copper, ICP, Dry Ash	968.08	022.03	30	146.802	7.79399	3.47033	29	146.519	7.62840	3.03828
Copper, ICP, Wet Ash	968.08	022.05	25	154.297	6.66562	2.95440	24	154.297	6.65984	2.51083
Copper, Misc		022.99	6	147.926	12.8509	5.83060	6	147.926	12.8509	5.83060
Method Group 022.XX PPM			94	148.947	9.80196	3.47268	90	148.904	9.79907	2.98480
Fluorine, Ion Sel Elect	975.08	023.01	1	0.00300	0.00000	0.00000	1	0.00300	0.00000	0.00000
Iron, AA	968.08	025.01	29	267.616	33.6665	6.75634	27	266.717	34.3929	5.07163
Iron, ICP, Dry Ash	968.08	025.03	31	266.624	25.5854	8.25094	30	266.945	25.3978	6.59263
Iron, ICP, Wet Ash	968.08	025.05	24	274.300	18.7535	6.89583	23	274.987	17.8787	4.71739
Iron, Misc		025.99	5	270.292	21.7203	5.51252	4	266.451	22.3254	2.32315
Method Group 025.XX PPM			89	269.223	26.8001	7.24467	84	269.050	26.9017	5.38697
Lead, Misc		026.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Magnesium, AA	968.08	027.01	25	0.23015	0.01183	0.00391	24	0.23039	0.01191	0.00343
Magnesium, ICP, Dry Ash	968.08	027.03	31	0.23271	0.00859	0.00356	31	0.23271	0.00859	0.00356
Magnesium, ICP, Wet Ash	968.08	027.05	21	0.23470	0.00771	0.00425	20	0.23494	0.00750	0.00346
Magnesium, Misc.		027.99	2	0.23000	0.01826	0.01000	2	0.23000	0.01826	0.01000
Method Group 027.XX PCT			79	0.23236	0.00987	0.00402	77	0.23250	0.00985	0.00366
Manganese, AA	968.08	028.01	21	116.643	11.2921	2.22129	22	115.325	12.6133	2.30668
Manganese, ICP, Dry Ash	968.08	028.03	30	118.149	8.10026	3.00270	27	117.629	7.59860	2.11411
Manganese, ICP, Wet Ash	968.08	028.05	23	122.787	6.73023	3.59609	22	122.550	6.61832	3.12318
Manganese, Misc.		028.99	3	116.263	17.0607	3.97370	3	116.263	17.0607	3.97370

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Method Group 028.XX PPM			77	119.050	9.41897	3.00466	73	118.772	9.30463	2.52547
Mercury,		029.00	1	0.00200	0.00000	0.00000	1	0.00200	0.00000	0.00000
Nitrate, Color	968.07	030.00	1	51.5000	10.6066	15.0000	1	51.5000	10.6066	15.0000
Phosphorus, Vol	964.06	031.00	1	0.71495	0.00346	0.00490	1	0.71495	0.00346	0.00490
Phosphorus, Photometric	965.17	031.01	51	0.73074	0.02312	0.00819	50	0.73065	0.02318	0.00757
Phosphorus, GQMP (2.028)	964.06	031.02	7	0.73918	0.01848	0.01167	7	0.73918	0.01848	0.01167
Phosphorus, Autoanalyzer		031.03	8	0.73283	0.02115	0.01380	7	0.73751	0.01373	0.00720
Phosphorus, ICP		031.05	66	0.73103	0.03543	0.01833	65	0.73149	0.03469	0.01674
Phosphorus, Hach Method		031.06	3	0.76000	0.01414	0.01333	3	0.76000	0.01414	0.01333
Phosphorus, Misc		031.99	9	0.72411	0.04073	0.01600	8	0.72338	0.04189	0.01050
Method Group 031.XX PCT			145	0.73148	0.03035	0.01385	141	0.73190	0.02986	0.01225
Potassium, AA	975.03	032.01	21	0.79068	0.04308	0.01871	21	0.79068	0.04308	0.01871
Potassium, Flame Emission	956.01	032.02	8	0.80677	0.02688	0.01159	8	0.80677	0.02688	0.01159
Potassium, ICP		032.05	55	0.80527	0.03838	0.01583	53	0.80444	0.03771	0.01284
Potassium, Misc		032.99	2	0.78750	0.02630	0.00500	2	0.78750	0.02630	0.00500
Method Group 032.XX PCT			86	0.80144	0.03879	0.01589	84	0.80082	0.03832	0.01400
Salt, Sol Cl	943.01	033.00	17	0.78500	0.02435	0.01529	16	0.78500	0.02237	0.01063
Salt, Poten Cl	969.10	033.01	34	0.81471	0.02129	0.01047	32	0.81641	0.01875	0.00957
Salt, Quantab		033.03	7	0.79857	0.07735	0.01143	6	0.81083	0.07621	0.00500
Salt, Ion Sel Electrode		033.05	1	0.80500	0.00707	0.01000	1	0.80500	0.00707	0.01000
Salt, Misc		033.99	3	0.73367	0.05404	0.02067	3	0.73367	0.05404	0.02067
Method Group 033.XX PCT			62	0.80067	0.03942	0.01239	58	0.80269	0.03818	0.00997
Selenium, Fluor	969.06	034.01	3	0.62650	0.02878	0.00633	3	0.62650	0.02878	0.00633
Selenium, AA, Hydride		034.04	9	0.57511	0.14556	0.04704	9	0.57511	0.14556	0.04704
Selenium, ICP		034.05	3	0.60567	0.09582	0.02000	3	0.60567	0.09582	0.02000
Selenium, Misc		034.99	2	0.62750	0.05500	0.05500	2	0.62750	0.05500	0.05500
Method Group 034.XX PPM			17	0.59574	0.11511	0.03602	17	0.59574	0.11511	0.03602
Sodium, AA		035.00	25	0.25479	0.02020	0.00802	25	0.25479	0.02020	0.00802
Sodium, Ion Sel Electrode		035.01	4	0.25714	0.00721	0.00313	4	0.25714	0.00721	0.00313
Sodium, Em Spect	953.01	035.02	1	0.25000	0.00000	0.00000	1	0.25000	0.00000	0.00000
Sodium, ICP		035.03	52	0.25248	0.01401	0.00572	47	0.25063	0.01201	0.00422
Sodium, Flame Emission	956.01	035.05	10	0.26269	0.01715	0.00857	9	0.26299	0.01726	0.00598
Sodium, Misc		035.99	3	0.25000	0.02683	0.00000	3	0.25000	0.02683	0.00000
Method Group 035.XX PCT			95	0.25426	0.01654	0.00627	89	0.25331	0.01596	0.00523
Sulfur, (Gravimetric)		036.00	1	0.23000	0.00000	0.00000	1	0.23000	0.00000	0.00000
Sulfur, ICP		036.03	20	0.23418	0.01882	0.00676	19	0.23328	0.01847	0.00535
Sulfur, LECO		036.04	3	0.22333	0.01366	0.01333	3	0.22333	0.01366	0.01333
Method Group 036.XX PCT			24	0.23265	0.01808	0.00730	23	0.23184	0.01768	0.00616
Zinc, AA	968.08	037.01	38	215.669	14.8232	6.18176	37	216.066	14.6126	5.53803

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Zinc, ICP, Dry Ash	968.08	037.03	33	212.697	13.5705	3.62712	32	211.828	12.6964	3.08422
Zinc, ICP, Wet Ash	968.08	037.05	26	216.418	18.4412	5.97923	25	217.093	18.3182	5.22240
Zinc, Misc		037.99	6	211.456	28.4585	4.84883	6	211.456	28.4585	4.84883
Method Group 037.XX PPM			103	214.661	16.4270	5.23451	100	214.690	16.1917	4.63255
Molybdenum, ICP		038.00	6	1.31833	0.15201	0.08000	5	1.31200	0.15157	0.03600
Molybdenum, Misc		038.99	2	1.64500	0.14526	0.16000	2	1.64500	0.14526	0.16000
Method Group 038.XX PPM			8	1.40000	0.20617	0.10000	7	1.40714	0.21247	0.07143
Nickel, AA		039.01	1	1.40000	0.00000	0.00000	1	1.40000	0.00000	0.00000
Nickel, ICP		039.02	7	1.78196	0.28548	0.21179	6	1.73729	0.24250	0.13042
Method Group 039.XX PPM			8	1.73422	0.29606	0.18531	7	1.68911	0.25448	0.11179
Barium, ICP		040.00	1	8.66000	0.18385	0.26000	1	8.66000	0.18385	0.26000
Vanadium, ICP		041.00	1	0.95450	0.01556	0.02200	1	0.95450	0.01556	0.02200
Tylosin, Plate	962.26	088.00	7	34.9229	3.09730	1.12000	7	34.9229	3.09730	1.12000
Tylosin, Turb		088.01	1	30.6500	0.21213	0.30000	1	30.6500	0.21213	0.30000
Tylosin, HPLC		088.03	2	38.5500	5.45619	2.50000	2	38.5500	5.45619	2.50000
Method Group 088.XX G/TON			10	35.2210	3.98305	1.31400	10	35.2210	3.98305	1.31400
Riboflavin, Fluorometric	970.65	104.00	2	11.1750	3.62158	1.05000	2	11.1750	3.62158	1.05000
Method Group 104.XX MG/LB			2	11.1750	3.62158	1.05000	2	11.1750	3.62158	1.05000
Thiamine, HPLC		105.00	1	5.95500	0.26163	0.37000	1	5.95500	0.26163	0.37000
Vitamin A, Color	974.29	106.00	1	6.25000	0.07071	0.10000	1	6.25000	0.07071	0.10000
Vitamin A, HPLC		106.02	13	5.09660	2.09845	0.51475	13	5.09660	2.09845	0.51475
Method Group 106.XX KU/LB			14	5.17899	2.04181	0.48513	14	5.17899	2.04181	0.48513
Vitamin D3, HPLC		108.02	2	30.6025	33.9453	0.00500	2	30.6025	33.9453	0.00500
Method Group 108.XX KU/LB			2	30.6025	33.9453	0.00500	2	30.6025	33.9453	0.00500
Vitamin E, HPLC		109.02	8	114.769	44.0005	3.19358	8	114.769	44.0005	3.19358
Method Group 109.XX MG/KG			8	114.769	44.0005	3.19358	8	114.769	44.0005	3.19358
Alanine, Post-col Ninhydrin Der	994.12	120.00	8	0.85069	0.02007	0.01238	8	0.85069	0.02007	0.01238
Alanine, Pre-col OPA Der		120.01	1	0.83500	0.00707	0.01000	1	0.83500	0.00707	0.01000
Method Group 120.XX PCT			9	0.84894	0.01960	0.01211	9	0.84894	0.01960	0.01211
Arginine, Post-col Ninhydrin Der	994.12	121.00	9	0.91967	0.04291	0.02600	8	0.92844	0.03109	0.01587
Arginine, Pre-col OPA Der		121.01	1	0.86000	0.00000	0.00000	1	0.86000	0.00000	0.00000
Method Group 121.XX PCT			10	0.91370	0.04455	0.02340	9	0.92083	0.03664	0.01411
Aspartic, Post-col Ninhydrin Der	994.12	122.00	10	1.20275	0.03936	0.02057	10	1.20275	0.03936	0.02057
Aspartic, Pre-col OPA Der		122.01	1	1.10000	0.01414	0.02000	1	1.10000	0.01414	0.02000
Method Group 122.XX PCT			11	1.19340	0.04822	0.02052	11	1.19340	0.04822	0.02052
Cysteine/Cystine, PAO Post-col Ninhydrin Der	994.12	124.00	8	0.30659	0.03104	0.01740	7	0.30331	0.02910	0.01031
Cysteine/Cystine, PAO Pre-col OPA Der		124.01	1	0.30000	0.00000	0.00000	1	0.30000	0.00000	0.00000
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.30000	0.00141	0.00200	1	0.30000	0.00141	0.00200
Method Group 124.XX PCT			10	0.30527	0.02771	0.01412	9	0.30258	0.02549	0.00824

Feed Check Sample No. - 200727 Pig Grower, Medicated
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- Pass 1 Results for 196 Labs - - Pass 2 Results for 196 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
Glutamic, Post-col Ninhydrin Der	994.12	125.00	10	2.71665	0.13447	0.07319	9	2.74299	0.09796	0.04432
Glutamic, Pre-col OPA Der		125.01	1	2.58000	0.01414	0.02000	1	2.58000	0.01414	0.02000
Method Group 125.XX PCT			11	2.70422	0.13411	0.06835	10	2.72670	0.10542	0.04189
Glycine, Post-col Ninhydrin Der	994.12	126.00	10	0.69262	0.02162	0.01381	9	0.69524	0.01923	0.00957
Glycine, Pre-col OPA Der		126.01	1	0.65000	0.00000	0.00000	1	0.65000	0.00000	0.00000
Method Group 126.XX PCT			11	0.68874	0.02408	0.01255	10	0.69072	0.02291	0.00861
Histidine, Post-col Ninhydrin Der	994.12	127.00	9	0.41110	0.02605	0.01176	8	0.41580	0.02198	0.00735
Histidine, Pre-col OPA Der		127.01	1	0.36500	0.00707	0.01000	1	0.36500	0.00707	0.01000
Method Group 127.XX PCT			10	0.40649	0.02848	0.01158	9	0.41016	0.02644	0.00764
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	10	0.50551	0.04755	0.01831	9	0.51039	0.04628	0.01290
Isoleucine, Pre-col OPA Der		128.01	1	0.47500	0.00707	0.01000	1	0.47500	0.00707	0.01000
Method Group 128.XX PCT			11	0.50273	0.04614	0.01755	10	0.50686	0.04514	0.01261
Leucine, Post-col Ninhydrin Der	994.12	129.00	9	1.25197	0.04257	0.03112	9	1.25197	0.04257	0.03112
Leucine, Pre-col OPA Der		129.01	1	1.22000	0.01414	0.02000	1	1.22000	0.01414	0.02000
Method Group 129.XX PCT			10	1.24878	0.04158	0.03001	10	1.24878	0.04158	0.03001
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	11	0.84460	0.03721	0.01812	10	0.83906	0.03287	0.01393
L-Lysine, Pre-col OPA Der		130.01	2	0.83000	0.02944	0.01000	2	0.83000	0.02944	0.01000
L-Lysine, Pre-col AQC Der		130.05	1	0.86500	0.00707	0.01000	1	0.86500	0.00707	0.01000
Method Group 130.XX PCT			14	0.84398	0.03517	0.01638	13	0.83967	0.03152	0.01302
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	8	0.24517	0.03115	0.01249	8	0.24517	0.03115	0.01249
Methionine, PAO Pre-col OPA Der		131.01	1	0.28000	0.00000	0.00000	1	0.28000	0.00000	0.00000
Methionine, PAO Post-col OPA Der		131.02	1	0.31100	0.00424	0.00600	1	0.31100	0.00424	0.00600
Method Group 131.XX PCT			10	0.25524	0.03528	0.01059	10	0.25524	0.03528	0.01059
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	9	0.67854	0.02826	0.01787	8	0.67336	0.02297	0.01260
Phenylalanine, Pre-col OPA Der		132.01	1	0.65500	0.00707	0.01000	1	0.65500	0.00707	0.01000
Method Group 132.XX PCT			10	0.67619	0.02775	0.01708	9	0.67132	0.02244	0.01231
Proline, Post-col Ninhydrin Der	994.12	133.00	8	1.04533	0.04509	0.03889	8	1.04533	0.04509	0.03889
Method Group 133.XX PCT			8	1.04533	0.04509	0.03889	8	1.04533	0.04509	0.03889
Serine, Post-col Ninhydrin Der	994.12	134.00	10	0.67904	0.05772	0.02877	9	0.68265	0.05742	0.02097
Serine, Pre-col OPA Der		134.01	1	0.64500	0.00707	0.01000	1	0.64500	0.00707	0.01000
Method Group 134.XX PCT			11	0.67594	0.05583	0.02706	10	0.67889	0.05556	0.01987
Threonine, Post-col Ninhydrin Der	994.12	135.00	9	0.54384	0.01917	0.00806	8	0.54369	0.01966	0.00531
Threonine, Pre-col OPA Der		135.01	1	0.53500	0.00707	0.01000	1	0.53500	0.00707	0.01000
Method Group 135.XX PCT			10	0.54296	0.01841	0.00825	9	0.54273	0.01875	0.00583
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	2	0.16800	0.01254	0.01200	2	0.16800	0.01254	0.01200
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	2	0.17150	0.00769	0.00280	2	0.17150	0.00769	0.00280
Tryptophan, Misc		136.99	1	0.13500	0.00707	0.01000	1	0.13500	0.00707	0.01000
Method Group 136.XX PCT			5	0.16280	0.01718	0.00792	5	0.16280	0.01718	0.00792
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	7	0.50242	0.04862	0.03416	6	0.49949	0.04062	0.01418

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- Pass 1 Results for 196 Labs - - Pass 2 Results for 196 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
Tyrosine, Pre-col OPA Der		137.01	1	0.44000	0.00000	0.00000	1	0.44000	0.00000	0.00000
Method Group 137.XX PCT			8	0.49462	0.05003	0.02989	7	0.49099	0.04316	0.01216
Valine, Post-col Ninhydrin Der	994.12	138.00	10	0.68667	0.04414	0.02216	9	0.69324	0.03685	0.01229
Valine, Pre-col OPA Der		138.01	1	0.67500	0.00707	0.01000	1	0.67500	0.00707	0.01000
Method Group 138.XX PCT			11	0.68561	0.04216	0.02105	10	0.69142	0.03534	0.01206
Taurine, Post-col Ninhydrin Der	994.12	139.00	1	0.05500	0.02121	0.03000	1	0.05500	0.02121	0.03000
Aflatoxin, Neogen Vera-Tox		300.01	2	0.90000	0.82462	0.20000	2	0.90000	0.82462	0.20000
Method Group 300.XX PPB			2	0.90000	0.82462	0.20000	2	0.90000	0.82462	0.20000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 000.99 --			-- Method 001.07 --			-- Method 001.99 --			-- Method 002.02 --			-- Method 002.05 --		
265	0.2450	.71	550	10.210	.46	630	10.445	.33	042	15.770	.62	620	15.373	-.75
			089	10.225	.41	619	10.400	.20	712	15.645	.25	350	15.362	-.81
-- Method 001.00 --			639	10.150	.15	004	10.290	.04	Avg	15.568		552	15.345	-.97
504	11.935 s	5.54	049	10.150	.15	Avg	10.287		669	15.480	-.29	663	15.330	-1.12
001	10.875	1.95	671	10.145	.12	631	10.165	-.26	036	15.324	-.73	140	15.290	-1.28
720	10.455	.57	Avg	10.111		536	10.160 R	-.37	187	15.205	-1.09			
183	10.405	.41	640	10.055	-.21	096	10.050	-.44	043	15.235	-1.15	-- Method 002.06 --		
309	10.385	.35	177	10.060	-.21	615	9.9900	-.56	169	15.040	-1.58	168	17.385 s	4.80
Avg	10.295		413	10.000	-.40	299	9.6311	-1.19				018	16.990 s	3.51
169	10.290	-.10	353	9.9800	-.51	560	9.3650	-1.67	-- Method 002.03 --			687	16.710	2.67
027	10.290	-.10	083	9.9500	-.61	541	9.2950	-1.79	536	15.760	.71	417	16.620	2.42
509	10.130	-.55	187	9.9350	-.64				Avg	15.760		175	16.600	2.34
596	10.050	-.84	140	9.9250	-.70	-- Method 002.00 --			265	12.350 S	-8.61	615	16.500	2.08
029	9.7750	-1.75	307	9.9750	-.74	015	15.910	.87				013	16.470	1.96
			599	9.9150	-.76	679	15.910	.86	-- Method 002.04 --			014	16.299 R	1.81
-- Method 001.03 --			015	9.9750 R	-.89	Avg	15.591		509	16.755 S	1.98	574	16.370	1.74
567	10.580	1.08	679	9.8500	-.96	353	15.310	-.87	591	16.680	1.74	511	16.390	1.72
688	10.500	1.08	098	9.9800 R	-.99	199	15.235	-1.12	405	16.015	.29	011	16.350	1.65
Avg	10.478		693	9.8400	-1.02				Avg	15.919		645	16.300	1.48
663	10.450	-.31	414	9.8200	-1.10	-- Method 002.01 --			596	15.700	-.55	709	16.285	1.42
686	10.380	-1.03	171	9.7750	-1.21	299	16.416	2.24	504	15.630	-.67	541	16.275	1.38
			074	9.7650	-1.26	666	16.005	1.15	018	15.570	-.80	074	16.190	1.26
-- Method 001.07 --			591	9.7500	-1.30	652	15.600	.09				407	16.225	1.23
130	10.435 R	1.72	345	9.7450	-1.32	Avg	15.566		-- Method 002.05 --			693	15.945 R	1.13
559	10.570	1.66	297	9.7450	-1.33	607	15.554	-.04	305	16.015	2.57	185	16.178	1.09
035	10.550	1.59	045	9.4800	-2.28	710	15.495	-.19	621	15.750	1.21	032	16.160	1.04
048	10.520	1.48	727	9.3600 s	-3.20	723	15.475	-.24	596	15.700	1.07	065	16.160	1.04
142	10.500	1.41	178	9.4000 s	-3.36	672	15.475	-.25	177	15.725	1.07	510	16.150	1.02
571	10.475	1.32	675	8.4650 s	-5.94	043	15.400	-.46	028	15.685	.87	160	16.145	1.00
607	10.431	1.18	366	7.9500 s	-8.15	653	15.180	-1.01	178	15.600	.43	042	16.130	.97
616	10.405	1.06				714	15.059	-1.33	039	15.593	.39	098	16.100	.91
581	10.370	.94	-- Method 001.99 --						Avg	15.517		671	16.105	.88
199	10.330	.79	305	12.660 s	4.30	-- Method 002.02 --			658	15.510	-.34	345	16.100	.86
139	10.325	.77	665	11.335	1.89	639	17.540 s	6.04	083	15.515	-.44	108	16.065	.84
129	10.315	.75	676	10.950	1.20	307	16.050	1.51	722	15.423	-.49	037	16.090	.83
588	10.295	.67	405	10.675	.70	536	15.665 R	1.10	194	15.420	-.50	527	16.030	.82
590	10.205	.51	505	10.640	.64	297	15.905	1.06	622	15.417	-.52	164	16.080	.80
669	10.240	.49	357	10.575	.52	048	15.815	.78	651	15.396	-.63	676	15.920 R	.78
038	10.240	.47	672	10.500	.42	152	15.780	.64	354	15.380	-.73	202	16.040	.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 002.06	--	--	Method 002.06	--	--	Method 002.06	--	--	Method 002.11	--	--	Method 003.00	--
034	16.035	.66	089	15.665	-.44	673	15.350	-1.38	588	15.645	.46	265	7.0900	-.69
672	15.900	.65	354	15.665	-.44	598	15.475 R	-1.41	688	15.600	.26	194	7.0250	-.74
725	16.000	.63	596	15.700	-.45	686	15.235	-1.73	Avg	15.538		017	6.9900	-.92
003	16.000	.56	366	15.675	-.47	559	15.215	-1.80	567	15.470	-.29	509	6.9850	-.98
021	15.865	.54	171	15.650	-.51	045	15.150	-1.98	672	15.360	-.78	676	6.9250	-1.27
609	15.970	.51	619	15.650	-.51	142	15.050	-2.27	690	15.400	-.99	187	6.9000	-1.38
019	15.840	.51	148	15.640	-.52	122	14.955	-2.55	631	15.295	-1.03	026	6.8550	-1.61
413	15.850	.46	357	15.630	-.54	539	14.945 R	-2.68	178	15.150	-1.60	152	6.8000	-1.88
144	15.940	.40	294	15.625	-.56	119	14.715 A	-3.27	599	15.150	-1.60	615	6.4800 A	-3.56
242	15.940	.38	027	15.630	-.57							142	6.1000 s	-5.47
573	15.935	.37	004	15.635	-.59	--	Method 002.08	--	--	Method 002.99	--			
047	15.930	.36	504	15.635	-.60	563	15.695	1.08	599	16.065 R	1.00	--	Method 003.01	--
588	15.930	.35	121	15.610	-.60	160	15.650	.78	724	16.190	.68	039	6.9993	.87
358	15.840	.31	110	15.610	-.61	062	15.556	.12	640	16.170	.64	Avg	6.4546	
590	15.910	.30	010	15.605	-.63	Avg	15.544		643	16.020	.28	504	5.9100	-.87
129	15.835	.15	567	15.650	-.66	414	15.470	-.83	Avg	15.904				
300	15.850	.14	309	15.790	-.66	208	15.350	-1.42	630	15.235	-1.60	--	Method 003.06	--
726	15.850	.14	229	15.590	-.66							074	7.3250 R	2.21
096	15.825	.06	049	15.580	-.69	--	Method 002.09	--	--	Method 003.00	--	684	7.2250	1.47
Avg	15.812		414	15.625	-.78	727	16.430	.71	307	7.5500	1.95	709	7.1750	1.21
263	15.786	-.08	508	15.759 R	-.79				512	7.3870	1.23	640	7.1750	1.18
138	15.790	-.09	363	15.575	-.80	--	Method 002.10	--	596	7.4000	1.17	588	7.1400	.97
035	15.770	-.15	205	15.545	-.80	629	15.825	1.24	048	7.3850	1.10	294	7.1200	.85
026	15.760	-.16	130	15.549	-.81	596	15.700	.77	015	7.2700 R	1.00	621	7.1050	.78
647	15.770	-.20	550	15.543	-.82	546	15.675	.63	726	7.3550	1.00	297	7.0950	.70
650	15.780	-.23	199	15.535	-.83	675	15.635	.33	354	7.3600	.97	688	7.0000	.61
038	15.735	-.23	660	15.530	-.85	688	15.600	.11	175	7.3200	.92	229	7.0300	.57
616	15.770	-.24	674	15.530	-.90	Avg	15.579		527	7.3300	.82	647	7.0650	.53
720	15.740	-.26	505	15.620 R	-.92	631	15.365	-1.08	164	7.2950	.64	122	7.0450	.52
001	15.720	-.28	100	15.500	-.93	619	15.250	-1.63	353	7.2100	.50	511	7.0150	.50
036	15.720	-.28	646	15.510	-.96				032	7.2550	.44	148	6.9800	.02
009	15.715	-.29	226	15.500	-.98	--	Method 002.11	--	139	7.2400	.36	Avg	6.9764	
692	15.800	-.30	208	15.500	-.98	553	16.035 R	2.41	035	7.1750	.18	009	6.9450	-.24
190	15.710	-.31	454	15.480	-1.00	032	15.835	1.41	Avg	7.1701		574	6.8950	-.50
006	15.710	-.33	017	15.465	-1.05	640	15.790	1.03	190	7.1350	-.25	199	6.9000	-.57
670	15.700	-.35	520	15.725 R	-1.06	665	15.755	.93	033	7.1100	-.31	559	6.8700	-.64
682	15.690	-.36	353	15.445	-1.09	011	15.750	.89	563	7.0950	-.39	669	6.8450	-.84
298	15.680	-.40	139	15.415	-1.18	724	15.680	.58	616	7.0900	-.41	581	6.7850	-1.14
571	15.670	-.43	512	15.415	-1.18	140	15.645	.54	129	7.1600	-.41	682	6.7500	-1.34

* 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 003.06	--	--	Method 003.10	--	--	Method 003.11	--	--	Method 003.14	--	--	Method 004.00	--
169	6.7250	-1.50	720	7.4350	2.67	567	7.6000 R	3.32	550	6.5500	-.60	298	4.4100	-.40
185	6.5950	-2.27	651	7.4300	2.64	032	7.2100	1.84	019	6.6850 R	-.60	199	4.4050	-.42
552	6.3250 s	-3.87	639	7.3750	2.38	011	7.0500	1.25	110	6.5200	-.62	563	4.3850	-.48
299	4.5515 s	-14.36	620	7.0347	.71	553	7.0050	1.07	021	6.5200	-.62	596	4.4500	-.54
--	Method 003.09	--	520	6.9600	.52	631	6.9000	.67	567	6.3000	-1.08	726	4.3300	-.66
714	7.8830	2.94	672	6.9000	.49	140	6.8350 R	.58	175	6.2600	-1.17	015	4.3500	-.74
651	7.3515	1.15	202	6.9900	.49	690	6.8000	.30	--	Method 003.99	--	309	4.3100	-.76
140	7.2850	.94	598	6.9850	.47	178	6.7500	.22	724	9.7250 S	4.39	226	4.2500	-.90
358	7.2350	.83	208	6.9800	.44	672	6.7450	.13	630	8.8300 S	3.09	510	4.2500	-.90
673	7.2500	.82	693	6.9300	.20	665	6.7250	.02	417	7.9700 S	1.88	194	4.1750	-1.12
226	7.2500	.82	062	6.9065	.08	Avg	6.7212		652	7.7500	1.50	511	4.5000 R	-1.23
505	7.0900 R	.72	596	6.9000	.05	599	6.5000	-.83	671	7.3050	.88	504	4.1800	-1.26
098	7.2200	.70	178	6.9000	.05	640	6.4700	-.95	631	7.2100	.72	009	4.1100	-1.32
350	7.1640	.52	Avg	6.8901		724	6.4600	-.98	630	7.0700	.51	666	3.5100 s	-3.15
004	7.1600	.50	345	6.8850	-.08	688	6.4000	-1.20	047	6.8350	.16	048	3.3650 s	-3.61
508	7.1260	.46	573	6.8740	-.11	588	6.3600	-1.36	Avg	6.8713		--	Method 004.01	--
038	7.1150	.43	607	6.8787	-.12	--	Method 003.12	--	725	6.5500	-.26	693	5.8500	.79
354	7.1150	.35	034	6.8600	-.15	670	7.1200	1.03	536	6.2550	-.69	Avg	5.6600	
Avg	7.0112		100	6.8650	-.21	Avg	7.0333		554	5.9950	-1.07	366	5.4700	-.94
413	7.0000	-.04	042	6.8300	-.29	171	7.0200	-.29	546	5.5450 S	-1.73	--	Method 004.03	--
590	6.9500	-.21	045	6.8500	-.31	414	6.9600	-1.16	--	Method 004.00	--	679	5.2750	.66
305	6.9400	-.26	160	6.8350	-.32	357	4.8000 S	-19.60	345	5.5350 s	3.05	045	5.2500	.62
722	6.9283	-.28	233	6.8250	-.32	--	Method 003.13	--	190	5.4400	2.75	Avg	4.9533	
620	6.9311	-.28	366	6.8250	-.34	646	7.5450	1.21	647	5.3800	2.57	619	4.3350	-1.29
653	6.9150	-.33	089	6.8000	-.44	Avg	7.2300		265	4.8700	1.11	--	Method 004.06	--
027	6.9250	-.34	623	6.7747	-.56	028	7.1800	-.19	034	4.7650	.68	673	26.300 s	121.91
029	6.9100	-.35	629	6.7200	-.84	205	6.9650	-1.00	353	4.7000	.51	676	5.1450	1.99
510	6.9000	-.37	619	6.7950 R	-.93	660	6.3850 R	-3.40	559	4.6900	.46	675	5.1350	1.96
675	6.8750	-.48	119	6.6900	-.98	--	Method 003.14	--	169	4.6550	.36	609	5.0650	1.67
674	6.8800	-.52	098	6.6900	-1.07	407	7.7200	1.78	164	4.6000	.35	552	4.9700	1.29
013	6.8400	-.58	363	6.6550	-1.16	185	7.6500	1.64	354	4.6200	.25	178	4.7000 R	1.21
727	6.6800	-1.12	144	6.6450	-1.20	049	7.2800	.93	171	4.5800	.15	512	4.8130	.71
723	6.6650	-1.17	298	6.6400	-1.22	414	6.8400	.06	Avg	4.5412		674	4.8150	.67
263	6.5738	-1.48	242	6.6150	-1.35	Avg	6.8305		509	4.5400	-.06	722	4.8000	.62
001	6.2450 X	-2.58	599	6.4950 R	-2.11	144	6.8200	-.08	175	4.5350	-.14	620	4.7098	.38
121	5.8900 s	-3.78	108	6.4650 R	-2.21	686	6.6750	-.32	042	4.5100	-.35	140	4.7000	.35
183	5.6650 s	-4.54	591	5.4650 s	-6.98									
			609	5.4500 s	-7.05									
			679	4.3200 s	-12.57									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 004.06	--	--	Method 004.07	--	--	Method 004.11	--	--	Method 005.00	--	--	Method 005.00	--
710	4.7300	.34	144	4.5250	.22	567	4.5600	-.08	004	5.4950	1.06	048	5.3800	.20
607	4.7083	.25	042	4.5100	.19	011	4.5500	-.20	590	5.4800	.96	164	5.3750	.19
354	4.7000	.23	003	4.5100	.19	140	4.5300	-.34	643	5.4800	.95	187	5.3750	.15
Avg	4.6459		631	4.4700	.12	640	4.4250	-.54	693	5.4700	.87	001	5.3700	.13
588	4.6250	-.13	646	4.4150	.03	688	4.4000	-.60	098	5.4550	.86	Avg	5.3558	
350	4.6010	-.18	Avg	4.4435		553	4.3500	-.76	672	5.4000 R	.83	454	5.3500	-.04
027	4.6050	-.19	505	4.3500	-.20	032	4.3000	-.93	639	5.4650	.83	623	5.3470	-.07
591	4.5700	-.31	089	4.2550	-.29	588	4.0700	-1.68	688	5.4500	.81	144	5.3450	-.14
723	4.5600	-.35	520	4.2900	-.31				178	5.4500	.81	121	5.3400	-.14
098	4.5500	-.38	035	4.2400	-.32	--	Method 004.99	--	297	5.4500	.81	038	5.3350	-.16
205	4.5250	-.66	294	4.2300	-.34	724	4.4150	1.46	045	5.4500	.81	559	5.3350	-.16
672	4.5000	-.70	004	4.2150	-.37	727	3.8350 R	.42	142	5.4500	.81	686	5.3550	-.19
599	4.5850	-.74	708	4.2350	-.38	629	3.8500	.13	620	5.4475	.74	298	5.3300	-.21
720	4.4950	-.83	021	4.2100	-.38	Avg	3.7963		669	5.4450	.73	350	5.3222	-.26
653	4.5700	-.85	682	4.2000	-.40	640	3.5500	-.58	658	5.4450	.70	670	5.3200	-.27
670	4.4050	-.99	074	4.3950 R	-.46	554	3.3700	-1.01	505	5.4300	.68	366	5.3300	-.30
508	4.4644	-1.02	229	4.1500	-.49				407	5.4450	.68	305	5.3250	-.30
598	4.3400	-1.27	026	4.1450	-.50	--	Method 005.00	--	722	5.4400	.64	354	5.3250	-.30
590	4.2500	-1.59	096	4.1000	-.61	527	6.1150 s	5.77	720	5.4300	.64	660	5.3150	-.31
688	4.1500	-1.98	013	4.0750	-.63	108	6.0700 s	5.53	148	5.4350	.60	034	5.3100	-.35
			032	4.0700	-.64	591	5.6500 R	2.44	619	5.4350	.60	712	5.3100	-.36
--	Method 004.07	--	202	4.0050	-.76	726	5.6600	2.31	175	5.4250	.59	357	5.3500	-.38
536	5.7900	2.60	307	4.0000	-.77	520	5.6200	2.10	646	5.4300	.57	119	5.3150	-.41
407	5.5250	2.14	110	3.9750	-.82	723	5.6250	2.05	541	5.4100	.56	083	5.3000	-.42
709	5.0200 R	1.75	098	3.8400	-1.08	307	5.6250	2.05	552	5.4250	.54	504	5.3150	-.46
028	5.1500 R	1.47	413	3.7500	-1.27	640	5.6000	1.86	300	5.3750	.51	242	5.2950	-.46
121	5.1450	1.38	100	3.6600	-1.41	588	5.5950	1.83	651	5.4220	.51	194	5.2950	-.48
019	5.0600	1.25	160	3.4450	-1.82	679	5.5900	1.78	140	5.4050	.46	205	5.3005	-.48
669	5.0700	1.25	183	3.0650 S	-2.53	183	5.5650	1.61	229	5.4100	.42	567	5.3000	-.48
643	5.0000	1.11				599	5.5400 R	1.59	563	5.4050	.39	684	5.3450	-.50
639	5.0000	1.11	--	Method 004.11	--	621	5.5600	1.56	363	5.3900	.30	015	5.2900	-.51
581	4.9300	.98	178	5.7000 s	3.65	647	5.5000 R	1.53	062	5.3890	.26	139	5.2900	-.51
242	4.9000	.97	672	5.3500	2.51	413	5.5500	1.52	100	5.3900	.26	616	5.2850	-.57
185	4.8142	.76	599	4.9500	1.21	265	5.4700 R	1.49	185	5.3900	.26	033	5.2800	-.58
414	4.7750	.74	665	4.7750	.64	629	5.5400	1.45	414	5.3700	.25	089	5.2750	-.61
033	4.6150	.40	690	4.7000	.50	666	5.5250	1.29	035	5.3850	.23	650	5.2750	-.64
300	4.5950	.37	724	4.6150	.13	676	5.4900 R	1.27	709	5.3650	.20	138	5.2750	-.64
686	4.5550	.28	631	4.5950	.06	294	5.5100	1.18	631	5.3650	.20	671	5.2750	-.67
567	4.5400	.27	Avg	4.5836		710	5.4950	1.06	171	5.3800	.20	653	5.2650	-.69

* 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 005.11	--	--	Method 008.02	--	--	Method 008.99	--	--	Method 009.09	--
417	5.3100	-.70	Avg	5.2533		187	6.3350	-.27	297	7.6200	.92	653	17.675	-.52
027	5.2650	-.72	665	5.2150	-.27	045	6.3500	-.42	307	7.5500	.87	037	17.800	-.53
615	5.2850	-.78	599	5.2500	-.33	726	6.0450	-.66	358	6.5700	.19	413	17.450	-.78
622	5.2460	-.83	178	5.2000	-.35	038	5.8850	-.88	Avg	6.2960		725	17.380	-.81
179	5.2460	-.84	588	5.2100	-.49	035	5.8700	-.89	164	5.8500	-.33	049	17.795 R	-.82
345	5.2450	-.84	640	5.1250	-1.05	619	5.8700	-.91	674	3.8900	-1.66	581	17.360	-.85
202	5.2450	-.84	690	5.0000	-1.67	098	5.6900	-1.16	--	Method 009.04	--	185	17.125	-1.09
598	5.2450	-.86	631	4.8200 S	-2.86	353	5.4400	-1.49	726	20.675	.71	686	17.015	-1.21
129	5.2450	-.86	--	Method 005.99	--	--	Method 008.05	--	--	Method 009.07	--	--	Method 009.99	--
199	5.2350	-.94	727	5.6500	1.39	265	7.5500	.71	307	21.000 R	2.56	619	23.900 S	132.28
353	5.2300	-.96	673	5.6000	1.09	--	Method 008.08	--	226	20.450	2.04	643	18.320	.71
550	5.2350	-.97	725	5.5700	.91	414	7.5850 R	2.38	297	19.410	1.19	Avg	18.320	
674	5.2550 R	-1.16	096	5.4500 R	.90	536	7.2000	1.74	684	18.815	.72	--	Method 010.03	--
596	5.2000	-1.18	630	5.5050	.59	001	7.1600 X	1.65	045	18.550	.52	546	6.9550 S	.00
110	5.2000	-1.19	652	5.4500	.36	510	7.1000	1.58	354	18.170	.17	--	Method 010.11	--
130	5.2750 R	-1.26	536	5.4400	.23	357	6.7000	.90	Avg	17.963		032	10.995	1.23
607	5.1853	-1.31	Avg	5.4145		581	6.6000	.75	353	17.850	-.13	688	10.950	1.10
539	5.2500 R	-1.39	663	5.3050	-.75	049	6.5850	.72	693	17.845	-.13	631	10.815	.80
609	5.1750	-1.44	724	5.2500	-.96	693	6.4100	.45	164	17.600	-.34	640	10.750	.68
019	5.1650	-1.46	208	5.1900	-1.32	413	6.3500	.41	187	17.310	-.54	690	10.650	.42
160	5.1550	-1.53	122	5.1850	-1.34	202	6.3300	.34	038	17.000	-.80	599	10.500	.06
309	5.1550	-1.54	574	1.5000 s	-22.91	646	6.2050	.17	309	16.585	-1.13	Avg	10.474	
358	5.1550	-1.55	--	Method 006.05	--	033	6.1500	.01	098	15.975	-1.65	588	10.430	-.25
226	5.1500	-1.61	710	5.4050	.71	Avg	6.1433		--	Method 009.09	--	178	10.350	-.31
548	5.1150	-1.83	--	Method 008.02	--	674	5.9850	-.26	299	22.434 A	4.75	567	10.255	-.59
021	5.1300	-1.85	309	8.4400	2.54	026	5.9800	-.28	536	22.200 s	4.55	140	9.9700	-1.19
510	5.0800	-2.10	527	7.7300	1.59	185	5.9150	-.37	294	20.070	2.15	724	9.5500	-2.13
049	5.0950 R	-2.14	226	7.3500	1.08	725	5.9150	-.37	510	19.400	1.41	--	Method 010.99	--
169	5.0150	-2.59	171	6.9700	.58	037	5.6800	-.75	674	19.240	1.27	714	11.352	2.27
152	5.0000	-2.70	354	6.8050	.35	160	5.6250	-.84	414	18.865	.97	725	10.905	1.23
682	4.7600 s	-4.53	179	6.7685	.33	004	5.5100	-1.07	202	18.820	.78	652	10.450	.61
029	4.7450 s	-4.77	405	6.7250	.25	653	5.3100	-1.36	160	18.320	.23	666	10.635	.60
675	4.5000 s	-6.50	Avg	6.5396		294	5.1600	-1.59	Avg	18.114		527	10.430	.13
--	Method 005.11	--	148	6.4600	-.11	686	5.1400	-1.62	357	17.850	-.33	Avg	10.381	
140	6.4200 s	7.72	684	6.4650	-.17	--	--	--	265	17.750	-.40	673	10.300	-.19
688	5.4500	1.34	675	6.5150	-.21	--	--	--	646	17.710	-.45	--	--	--
672	5.4300	1.16	--	--	--	--	--	--	--	--	--	--	--	--
724	5.4000	.97	--	--	--	--	--	--	--	--	--	--	--	--

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 010.99	--	--	Method 011.01	--	--	Method 011.01	--	--	Method 012.03	--	--	Method 013.02	--
724	10.290	-.21	363	11.405	.45	552	10.810	-1.20	098	34.455	-.66	011	7.2950	-1.43
609	10.300	-.30	563	11.400	.45	294	10.800	-1.22				454	6.9550	-2.19
190	10.080	-.72	350	11.393	.43	651	10.762	-1.33	--	Method 012.04	--	414	5.8300 s	-4.75
709	10.080	-.74	202	11.385	.40	647	10.695	-1.57	160	33.270	.78			
417	10.230 R	-.79	194	11.375	.37	098	10.585 R	-1.99	038	32.765	.51	--	Method 013.10	--
037	9.8800	-1.17	454	11.340	.29	175	10.350	-2.47	353	32.370	.30	660	8.2850	1.84
168	9.8750	-1.21	354	11.325	.25	062	10.219	-2.83	Avg	31.814		353	8.0350	1.08
712	8.7200 s	-3.91	650	11.275	.18	179	10.013 A	-3.41	510	28.850	-1.59	714	8.0481	1.07
			573	11.297	.16	675	9.2000 s	-5.66				185	7.8650	.64
--	Method 011.01	--	722	11.293	.14				--	Method 012.11	--	539	7.7450	.43
591	18.125 s	19.08	208	11.250	.14	--	Method 011.99	--	588	36.745	.87	673	7.7500	.32
574	12.430 s	3.32	701	11.275	.10	148	11.180	1.03	567	36.450	.58	Avg	7.6401	
108	11.960	2.00	Avg	11.241		684	10.740	.21	Avg	36.315		688	7.5500	-.27
122	11.920	1.89	596	11.200	-.11	Avg	10.663		178	35.750	-1.19	062	7.5280 X	-.30
559	11.865	1.74	414	11.205	-.18	265	10.070	-1.18				096	7.6000	-.31
233	11.860	1.72	658	11.142	-.28				--	Method 012.99	--	160	7.4950	-.44
226	11.800	1.57	520	11.190	-.34	--	Method 012.00	--	619	45.050 S	.00	663	7.4150	-.60
242	11.730	1.36	034	11.125	-.36	559	35.450	1.21				672	7.5500	-.70
541	11.690	1.25	674	11.090	-.42	548	35.460	1.20	--	Method 013.02	--	177	7.3100	-.87
185	11.680	1.22	710	11.065	-.49	Avg	34.849		130	11.114 s	10.26	666	6.7850	-2.25
309	11.655	1.15	539	11.050	-.54	354	34.730	-.25	003	8.5800	1.52	591	5.9500 s	-4.47
121	11.650	1.14	643	11.050	-.55	672	34.650	-.79	650	8.4750	1.28			
205	11.465 R	1.07	021	11.005	-.67	673	34.500	-.90	171	8.3350	.96	--	Method 013.13	--
407	11.615	1.04	298	10.990	-.70	567	34.400	-.96	581	8.2450	.76	042	8.1000	-.71
138	11.575	.93	100	10.990	-.70	178	34.750	-1.09	645	8.0000 R	.71			
160	11.540	.83	598	10.980	-.72				100	8.2050	.69	--	Method 015.00	--
014	11.275 R	.80	300	10.980	-.74	--	Method 012.01	--	675	8.2050	.66	353	107.40	1.89
646	11.515	.80	620	10.948	-.81	686	32.455	1.12	643	8.1900	.66	520	103.50	1.33
033	11.520	.77	645	11.200 R	-.84	179	32.000	.53	229	8.1550	.57	154	100.50	1.01
144	11.455	.64	358	10.960	-.86	Avg	31.943		354	8.1650	.57	164	96.850	.58
119	11.465	.62	682	10.930	-.86	185	31.375	-.98	164	8.1000	.42	045	95.500	.51
653	11.465	.62	622	10.924	-.88				033	7.9550	.19	414	92.000	.45
164	11.455	.59	229	10.935	-.93	--	Method 012.02	--	Avg	7.9155		Avg	91.663	
623	11.241 R	.54	548	10.935	-.94	202	30.905	-.71	065	7.7250	-.71	345	89.140	-.30
511	11.430	.54	152	10.900	-.95				548	7.5850	-.80	011	90.483	-.58
510	11.350	.51	726	10.900	-.96	--	Method 012.03	--	208	7.5500	-.83	616	86.350	-.60
670	11.410	.49	660	10.895	-1.02	684	36.505	1.30	671	7.5500	-.83	560	84.550	-.87
110	11.410	.47	171	10.875	-1.07	Avg	35.143		026	7.5500	-.86	169	83.100	-.99
723	11.405	.46	621	10.815	-1.18	297	34.470	-.62	616	7.5750	-.88	021	81.250	-1.17

* 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 015.00 --			-- Method 019.01 --			-- Method 019.01 --			-- Method 019.05 --			-- Method 019.08 --		
510	81.000	-1.20	130	1.0423 s	5.62	010	0.8100	-.28	148	0.8395	.89	723	0.9150	1.21
			720	1.0500 s	5.53	026	0.8050	-.29	510	0.8350	.78	590	0.8900	.94
-- Method 016.00 --			354	0.8900	1.81	038	0.8055	-.39	144	0.8325	.72	673	0.8650	.12
567	0.3250	.71	709	0.8880	1.74	098	0.8050	-.44	242	0.8250	.52	Avg	0.8650	
			013	0.8885	1.73	233	0.7950	-.51	297	0.8250	.52	138	0.8480	-.41
-- Method 017.00 --			504	0.8836	1.59	307	0.7950	-.51	100	0.8200	.46	607	0.8070	-1.40
154	14.150 s	7.61	139	0.8700	1.27	018	0.7900	-.64	298	0.8200	.46			
353	7.3600	1.70	035	0.8700	1.27	019	0.8100 R	-.72	185	0.8170	.41	-- Method 019.09 --		
414	6.6500	.99	674	0.8650	1.16	178	0.7950	-.77	413	0.8200	.37	190	0.9100	1.99
510	5.8500	.08	004	0.8620	1.13	631	0.7800	-.89	074	0.8150	.28	035	0.9100	1.97
Avg	5.7664		609	0.8600	1.04	612	0.7750	-.98	011	0.8098	.20	042	0.9075	1.96
560	5.7150	-.05	152	0.8550	.92	350	0.7731	-1.03	164	0.8115	.16	028	0.8650	.85
045	5.5000	-.51	676	0.8470	.77	687	0.7750	-1.04	294	0.8100	.11	202	0.8650	.85
345	4.9900	-.75	039	0.8483	.76	670	0.7700	-1.12	598	0.8100	.11	110	0.8580	.67
693	4.3000	-1.33	363	0.8450	.69	065	0.7645	-1.25	414	0.8100	.11	160	0.8534	.56
			588	0.8445	.68	653	0.7585	-1.36	Avg	0.8057		032	0.8400	.55
-- Method 017.99 --			722	0.8431	.64	511	0.7500	-1.58	026	0.8055	-.01	572	0.8325	.39
307	7.1500	-.71	536	0.8310	.57	548	0.7446	-1.75	187	0.8038	-.05	027	0.8415	.38
			619	0.8395	.57	658	0.7405	-1.79	229	0.8050	-.13	017	0.8400	.21
-- Method 018.02 --			169	0.8400	.56	305	0.7400	-1.82	560	0.8030	-.15	199	0.8362	.19
011	0.1183	1.35	669	0.8365	.55	710	0.7350	-1.92	512	0.8045	-.23	Avg	0.8316	
Avg	0.1044		263	0.8374	.50	142	0.7200	-2.29	003	0.7900	-.41	154	0.8285	-.10
567	0.1000	-.31	108	0.8350	.46	122	0.6600 s	-3.70	300	0.7925	-.43	693	0.8255	-.17
154	0.0950	-.75	001	0.8355	.46				550	0.8005	-.45	357	0.8300	-.25
			205	0.8230	.41	-- Method 019.03 --			701	0.7900	-.49	353	0.8200	-.29
-- Method 019.00 --			208	0.8325	.39	048	0.9400	1.40	520	0.7900 R	-.67	186	0.8202	-.30
647	0.9350	1.77	036	0.8292	.31	307	0.9250	1.16	226	0.7750	-.82	567	0.8200	-.39
043	0.8900	1.03	129	0.8260	.26	Avg	0.8616		358	0.7750	-.90	045	0.8100	-.54
552	0.8800	.87	034	0.8200	.25	036	0.8497	-.23	407	0.7700	-.94	096	0.8150	-.56
651	0.8775	.83	014	0.8235	.22	686	0.8400	-.42	083	0.7700	-.97	726	0.8200	-.58
Avg	0.8283		563	0.8228	.16	043	0.8200	-.74	265	0.7600	-1.23	668	0.8020	-.76
194	0.8250	-.10	505	0.8200	.09	026	0.7950	-1.19	645	0.7547	-1.40	021	0.8015	-.76
620	0.8160	-.24	Avg	0.8162					405	0.7350	-1.86	037	0.8000	-.83
622	0.8112	-.31	591	0.8150	-.12	-- Method 019.05 --			553	0.7275	-2.06	366	0.7850	-1.18
175	0.7900	-.65	596	0.8150	-.12	089	0.9000	2.47	168	0.7275	-2.09	309	0.7950 R	-1.27
621	0.7850	-.72	675	0.8150	-.12	682	0.8900	2.21				616	0.7785	-1.34
679	0.7800	-.80	650	0.8150	-.12	029	0.8485	1.12				345	0.7390	-2.35
623	0.7217	-1.76	620	0.8159	-.23	171	0.8450	1.04				047	0.7285 s	-3.35
			508	0.8084	-.26	049	0.8450	1.04						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
-- Method 019.99 --			-- Method 021.01 --			-- Method 022.01 --			-- Method 022.03 --			-- Method 022.05 --		
725	0.8400	1.43	169	0.5200	-.86	722	144.70	-.15	049	149.13	.35	668	150.50	-.61
588	0.8375	1.01				354	144.45	-.18	520	147.50	.35	021	154.15	-.64
724	0.8150	.33	-- Method 021.02 --			307	144.00	-.27	208	148.50	.27	042	150.00	-.66
629	0.8150	.33	510	0.8400	2.22	508	143.05	-.29	Avg	146.52		037	149.50	-.77
Avg	0.8056		045	0.6000	.87	619	145.50	-.32	414	146.50	-.07	309	149.00	-.91
692	0.8050	-.16	154	0.5800	.32	004	143.50	-.33	100	145.00	-.33	345	147.99	-.95
121	0.8025	-.62	029	0.5650	.21	588	142.50	-.34	407	144.00	-.33	169	146.50	-1.17
554	0.7800	-.86	Avg	0.5365		178	142.00	-.39	026	144.00	-.33	567	145.66	-1.30
665	0.7500	-1.75	011	0.4958	-.50	548	141.05	-.48	074	145.50	-.35	726	142.86	-1.75
			567	0.4500	-.64	511	141.00	-.48	187	142.62	-.51			
-- Method 020.00 --			171	0.4500	-.73	350	140.15	-.54	300	145.90	-.58	-- Method 022.99 --		
208	2.2250	.87	560	0.4285	-.86	305	139.39	-.61	144	141.60	-.67	721	169.50	1.70
Avg	2.0625		572	0.4195	-.86	674	136.00	-.92	226	141.50	-.69	725	150.50	.47
164	1.9000	-.86	616	0.0000 s	-3.92	709	138.80 R	-1.01	701	138.50	-1.07	607	149.30	.12
674	0.0000 s	-10.93				710	128.00	-1.63	358	136.43	-1.33	Avg	147.93	
			-- Method 021.99 --			620	125.38	-1.90	083	135.00	-1.52	121	145.75	-.19
-- Method 020.01 --			017	2.5000	.92	591	131.00 S	-2.01	553	135.00	-1.56	673	143.00	-.45
045	2.9500	1.50	Avg	1.6025		658	123.20	-2.06	242	126.00	-2.69	692	129.50	-1.46
154	2.8000	1.19	721	0.7050	-.81	596	123.55 S	-2.17	598	113.00 s	-4.40			
021	2.7500	1.06				014	97.000 s	-4.40	550	106.76 s	-5.24	-- Method 023.01 --		
567	2.2850	.06	-- Method 022.00 --									619	0.0030	.00
Avg	2.2761		229	156.00	.71	-- Method 022.02 --			-- Method 022.05 --					
171	2.1500	-.30				096	165.00	.71	160	170.70	2.46	-- Method 025.01 --		
011	2.1070	-.40	-- Method 022.01 --						190	163.93	1.45	675	509.66 s	7.06
096	2.0000	-.61	720	177.50	2.79	-- Method 022.03 --			199	163.15	1.34	720	349.83	2.42
668	1.8700 R	-1.10	208	164.50	1.63	003	182.00 s	4.68	202	162.50	1.23	658	326.65	1.74
560	1.7300	-1.22	175	158.00	1.07	185	155.00 R	1.53	353	154.30 R	1.02	208	308.00	1.20
047	1.7130	-1.26	504	158.00	1.05	265	156.50	1.49	154	160.00	.91	669	305.38	1.13
			505	156.50	.92	413	157.00	1.38	035	159.50	.78	098	302.50	1.04
-- Method 020.99 --			038	155.00	.80	011	156.04	1.29	616	157.00	.41	709	289.50 R	.84
616	4.9850 S	4.27	013	153.00	.75	560	154.50	1.14	366	155.00	.32	354	292.90	.76
721	3.2750	.88	590	151.50 R	.68	510	155.00	1.14	294	155.85	.27	619	288.50	.63
Avg	2.8025		675	151.59	.48	148	154.00	.98	572	154.50	.08	505	284.00	.51
553	2.3300	-.85	646	151.25	.45	405	152.50	.81	Avg	154.30		035	270.00 R	.36
			035	148.50	.24	029	150.50	.56	357	154.00	-.16	536	277.90	.33
-- Method 021.01 --			669	148.52	.22	171	150.50	.56	017	153.00	-.19	504	277.00	.31
722	4.1387 S	3.60	098	148.50	.21	512	150.60	.53	045	152.50	-.35	013	271.50	.28
619	1.9200	.87	Avg	146.23		164	149.75	.44	693	153.50	-.39	307	274.00	.22
Avg	1.2200		653	145.95	-.10	297	149.50	.44	186	151.85	-.47	038	267.00	.20

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 025.01	--	--	Method 025.03	--	--	Method 025.99	--	--	Method 027.01	--	--	Method 027.05	--
175	270.00	.20	405	253.50	-.55	121	285.66 R	.95	305	0.1900 S	-3.39	309	0.2550 s	4.27
014	272.50	.18	550	257.27	-.56	725	287.00	.92	596	0.1600 s	-5.91	042	0.2629 s	3.81
Avg	266.72		553	259.00	-.57	607	277.30	.49	536	0.0524 s	-14.95	110	0.2505	2.08
588	266.00	-.04	187	243.81	-.91	692	269.50	.14				357	0.2500	2.01
563	252.70	-.41	144	243.70	-.92	Avg	266.45		--	Method 027.03	--	160	0.2417	.96
548	250.71	-.47	407	243.00	-.95	673	232.00	-1.55	297	12.625 s	2038.51	037	0.2400	.68
710	246.00	-.60	560	242.00	-.98				003	0.3150 s	9.60	017	0.2350	.67
591	242.20	-.71	414	257.00 R	-1.21	--	Method 026.99	--	208	0.2475	1.72	035	0.2350	.67
670	235.07	-.92	242	222.50	-1.75	619	0.0000	.00	049	0.2450	1.54	366	0.2350	.67
646	233.50	-.97	598	201.00	-2.60				029	0.2435	1.32	199	0.2391	.57
674	232.50	-1.00				--	Method 027.01	--	011	0.2416	1.18	572	0.2350	.40
596	230.50	-1.07	--	Method 025.05	--	130	0.2833 s	9.18	164	0.2410	.96	616	0.2365	.22
350	219.75	-1.37	042	308.50	1.88	720	0.2950 s	5.44	265	0.2400	.85	693	0.2355	.10
511	219.00	-1.39	366	305.00	1.68	263	0.2582	2.34	074	0.2400	.85	Avg	0.2349	
305	205.77	-1.77	572	299.00	1.35	675	0.2450	1.30	413	0.2400	.85	154	0.2342	-.53
			037	290.35	.89	208	0.2435	1.10	510	0.2400	.85	353	0.2300	-.66
--	Method 025.03	--	045	289.00	.80	307	0.2400	.81	100	0.2350	.64	202	0.2300	-.66
208	334.00	2.64	017	289.00	.79	139	0.2399	.80	520	0.2350	.64	096	0.2300	-.66
029	303.50	1.44	021	287.45	.72	609	0.2350	.57	148	0.2375	.56	567	0.2300	-.66
049	291.64	1.04	186	284.40	.53	129	0.2366	.57	026	0.2363	.41	021	0.2335	-.76
164	291.05	.95	693	283.50	.48	038	0.2345	.37	187	0.2352	.33	668	0.2290	-.80
510	290.50	.94	160	278.60	.47	619	0.2340	.35	185	0.2352	.30	186	0.2288	-.84
100	290.50	.93	567	275.83	.39	722	0.2338	.29	171	0.2345	.27	726	0.2300 R	-1.49
413	282.50	.61	096	275.00	.28	563	0.2304	.14	Avg	0.2327		045	0.2200	-1.99
083	279.50	.50	199	275.55	.06	650	0.2318	.14	560	0.2320	-.14	345	0.2025 s	-4.41
520	276.50	.48	Avg	274.99		014	0.2315	.10	407	0.2310	-.20			
074	278.00	.48	353	273.40	-.11	Avg	0.2304		414	0.2300	-.32	--	Method 027.99	--
171	276.00	.37	668	268.00	-.39	646	0.2300	-.03	242	0.2300	-.32	725	0.2450	.87
226	267.50	.34	035	262.50	-.70	098	0.2300	-.03	358	0.2300	-.32	Avg	0.2300	
148	274.50	.30	169	263.50	-.74	504	0.2294	-.50	083	0.2300	-.32	692	0.2150	-.87
265	274.00	.29	345	256.05	-1.06	350	0.2239	-.56	294	0.2300	-.32	673	0.1650 S	-3.57
701	273.50	.28	154	255.50	-1.09	169	0.2250	-.62	144	0.2255	-.86			
229	270.00	.14	294	253.74	-1.19	175	0.2250	-.62	226	0.2250	-1.07	--	Method 028.01	--
Avg	266.94		726	252.52	-1.26	588	0.2220	-.71	405	0.2250	-1.07	720	141.57	2.08
011	263.94	-.19	190	252.32	-1.27	548	0.2244 R	-.82	229	0.2250	-1.07	208	134.50	1.52
026	259.50	-.32	616	246.00	-1.63	035	0.2200	-.87	701	0.2200	-1.48	035	128.50	1.05
003	259.00	-.33	309	258.50 R	-1.84	591	0.2200	-.87	598	0.2200	-1.48	014	122.00	.53
297	253.50	-.53				710	0.2100	-1.71	550	0.2175	-1.85	354	120.45	.41
300	253.45	-.54				142	0.2000	-2.55	553	0.2160	-2.03	590	119.50	.39

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 028.01	--	--	Method 028.03	--	--	Method 028.05	--	--	Method 031.01	--	--	Method 031.01	--
307	120.00	.38	242	118.50	.13	616	115.50	-1.26	139	0.7445	.60	130	0.5790 s	-7.38
563	119.90	.36	229	118.00	.05	726	114.11	-1.29	036	0.7413	.46	675	0.1650 s	-24.40
098	118.00	.26	Avg	117.63		154	110.00	-1.95	722	0.7407	.43			
619	117.00	.15	026	117.00	-.16				646	0.7400	.40	--	Method 031.02	--
178	116.50	.15	187	115.11	-.33	--	Method 028.99	--	647	0.7400	.40	013	0.7600	1.25
658	116.80	.12	407	114.00	-.48	725	146.50 S	1.81	001	0.7392	.38	004	0.7500	.80
588	115.50	.04	300	114.00	-.49	721	138.00	1.28	588	0.7380	.32	043	0.7450	.42
Avg	116.64		520	116.00 R	-.69	Avg	116.26		065	0.7335	.31	014	0.7415	.27
038	114.50	-.08	414	117.00 R	-.79	692	107.00	-.55	263	0.7319	.05	505	0.7400	.04
504	114.50	-.14	550	110.00	-1.01	607	103.79	-.75	Avg	0.7306		Avg	0.7392	
350	112.60	-.22	144	109.85	-1.03	673	73.000 S	-2.54	679	0.7300	-.03	011	0.7340	-.29
722	113.55	-.24	553	110.00	-1.08				687	0.7300	-.03	508	0.7038	-1.99
646	112.00	-.26	598	104.50	-1.73	--	Method 029.00	--	233	0.7300	-.03			
710	109.00	-.51	226	104.00	-1.80	675	0.0020	.00	018	0.7260	-.22	--	Method 031.03	--
548	96.321	-1.52	405	99.000	-2.48				653	0.7265	-.23	504	0.7535	1.20
536	87.650 S	-2.20				--	Method 030.00	--	651	0.7245	-.27	043	0.7500	.91
620	86.813	-2.26	--	Method 028.05	--	307	51.500	.71	710	0.7250	-.33	208	0.7465	.73
175	85.000 S	-2.51	035	222.00 s	15.04				035	0.7250	-.33	048	0.7400	.18
596	83.000 S	-2.56	160	133.70	1.73	--	Method 031.00	--	205	0.7250	-.33	Avg	0.7375	
305	78.940 S	-2.89	357	132.50	1.51	620	0.7150	.71	026	0.7250	-.33	036	0.7276	-.74
			572	128.00 R	1.34				038	0.7225	-.35	026	0.7250	-.98
--	Method 028.03	--	042	129.50	1.34	--	Method 031.01	--	019	0.7300	-.43	047	0.7200	-1.47
208	143.50 s	3.44	096	130.00	1.13	596	1.2500 s	23.32	650	0.7300	-.43	307	0.7000 R	-3.50
265	135.50 R	2.46	202	129.50	1.05	669	0.8105 s	3.46	619	0.7290	-.44	720	0.6000 s	-10.04
297	131.50	1.83	037	124.15	.62	674	0.7850 s	2.79	152	0.7200	-.46			
049	125.73	1.07	017	126.50	.60	609	0.7850	2.35	122	0.7200	-.46	--	Method 031.05	--
100	125.50	1.05	309	125.50	.45	621	0.7750	1.93	511	0.7150	-.71	110	0.8320	2.90
003	125.00	1.05	186	124.40	.29	098	0.7650	1.50	607	0.7139	-.72	089	0.7900	1.69
413	124.50	.93	693	123.50	.27	723	0.7650	1.50	658	0.7127	-.78	190	0.7850	1.55
510	124.00	.85	045	124.00	.22	709	0.7600	1.27	039	0.7113	-.83	358	0.7800	1.51
148	123.00	.71	366	123.50	.16	354	0.7550	1.07	670	0.7100	-.89	160	0.7723	1.41
560	122.50	.67	Avg	122.55		665	0.7550	1.07	178	0.7100	-.99	049	0.7750	1.33
011	121.25	.52	021	121.55	-.22	563	0.7545	1.03	623	0.7089	-1.02	029	0.7685	1.18
074	121.00	.46	169	120.50	-.32	363	0.7500	.94	629	0.7000	-1.39	032	0.7650	1.06
185	121.00	.44	353	121.15	-.52	350	0.7506	.94	622	0.6980	-1.41	003	0.7600	1.00
164	120.05	.34	294	117.91	-.71	548	0.7355 R	.87	142	0.6850	-1.98	096	0.7600	1.00
083	119.50	.32	345	116.65	-.91	175	0.7450	.66	034	0.6750	-2.41	297	0.7550	.99
171	118.00	.27	567	115.98	-.99	305	0.7450	.66	194	0.6750	-2.41	028	0.7650	.98
029	119.50	.25	668	116.00	-1.03	169	0.7450	.66	108	0.5850 s	-6.32	042	0.7635	.93

* 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 031.05	--	--	Method 031.05	--	--	Method 032.01	--	--	Method 032.05	--	--	Method 032.05	--
027	0.7620	.88	199	0.7003	-.90	208	0.8145	.84	096	0.8500	1.24	407	0.7800	-.65
668	0.7580	.84	345	0.6985	-.95	035	0.8200	.68	572	0.8435	1.07	520	0.7900	-.65
074	0.7600	.82	185	0.7025	-.99	350	0.8191	.67	560	0.8435	1.07	616	0.7785	-.69
414	0.7350	.73	520	0.7050	-1.05	205	0.8150	.63	693	0.8435	1.04	185	0.7940	-.69
693	0.7535	.72	300	0.6972	-1.05	307	0.8050	.35	171	0.8410	.99	186	0.7637	-1.09
202	0.7550	.69	405	0.6950	-1.06	098	0.7950	.15	202	0.8400	.94	645	0.7509	-1.43
510	0.7550	.69	550	0.6955	-1.11	563	0.7950	.10	148	0.8350	.81	242	0.7450	-1.58
100	0.7450	.58	187	0.6923	-1.13	Avg	0.7907		510	0.8300	.73	553	0.7380	-1.81
021	0.7405	.47	616	0.6805	-1.47	650	0.7900	-.23	164	0.8305	.69	345	0.7295	-2.04
353	0.7350	.44	682	0.6800	-1.48	139	0.7820	-.26	037	0.8300	.68	187	0.7177	-2.30
357	0.7400	.38	572	0.6790	-1.52	609	0.7800	-.34	297	0.8300	.68	550	0.7050	-2.64
298	0.7400	.38	309	0.6750	-1.78	038	0.7670	-.55	003	0.8050	.66	265	0.2400 s	-14.97
171	0.7400	.38	645	0.7013 R	-1.95	591	0.7650	-.61	042	0.8235	.60	--	Method 032.99	--
164	0.7415	.29	553	0.6630	-1.98	653	0.7520	-.90	294	0.8250	.56	673	1.1000 S	11.88
512	0.7404	.26	168	0.6510	-2.32	670	0.7500	-.94	357	0.8250	.56	725	0.8100	.86
294	0.7400	.25	--	Method 031.06	--	354	0.7400	-1.20	011	0.8146	.56	Avg	0.7875	
598	0.7400	.25	686	0.7700	1.00	710	0.7150	-1.76	413	0.8200	.49	692	0.7650	-.88
148	0.7375	.18	536	0.7650	.50	548	0.7183	-1.77	199	0.8197	.42	--	Method 033.00	--
121	0.7330	.18	Avg	0.7600		142	0.5700 s	-5.13	021	0.8200	.42	169	0.9750 s	8.50
229	0.7350	.18	138	0.7450	-1.12	--	Method 032.02	--	414	0.8050	.40	366	0.8300	2.20
413	0.7350	.18	--	Method 031.99	--	590	0.8500	1.65	144	0.8160	.37	674	0.7850 R	2.01
186	0.7350	.10	631	0.7700	1.14	169	0.8300	.94	229	0.8150	.31	208	0.8045	1.06
144	0.7330	.07	590	0.7550	.84	504	0.8181	.47	026	0.8090	.16	298	0.8000	.81
Avg	0.7315		725	0.7300 R	.73	305	0.8150	.36	567	0.8050	.13	353	0.8000	.67
407	0.7300	-.04	676	0.7520	.68	Avg	0.8068		Avg	0.8044		567	0.7950	.50
560	0.7280	-.13	552	0.7450	.53	665	0.8000	-.25	668	0.7960	-.26	572	0.7950	.50
226	0.7300	-.29	673	0.7350	.30	129	0.7945	-.56	366	0.7950	-.28	045	0.7950	.50
045	0.7200	-.33	Avg	0.7234		588	0.7755	-1.18	226	0.8000	-.29	160	0.7920	.31
017	0.7200	-.33	724	0.7000	-.56	536	0.7710	-1.33	154	0.7934	-.29	511	0.7900	.22
265	0.7200	-.44	588	0.6850	-.92	108	0.6950 s	-4.26	017	0.7900	-.38	588	0.7850	.22
726	0.7250	-.47	692	0.6450	-1.87	--	Method 032.05	--	045	0.7900	-.38	Avg	0.7850	
366	0.7150	-.50	--	Method 032.01	--	300	0.7873	-.46	300	0.7873	-.46	693	0.7845	-.11
083	0.7150	-.50	720	0.8750	1.96	405	0.8750	1.88	358	0.7900	-.47	034	0.7800	-.22
242	0.7100	-.62	619	0.8520	1.53	110	0.8725	1.81	208	0.7870	-.50	309	0.7740	-.52
035	0.7100	-.62	175	0.8300	1.02	049	0.8250 R	1.56	100	0.7850	-.53	675	0.7700	-.81
567	0.7100	-.68	130	0.8245	.91	160	0.8604	1.49	353	0.7850	-.53	504	0.7650	-.92
037	0.7100	-.68	--			726	0.8300 R	1.26	029	0.7815	-.62	407	0.7550	-1.36
154	0.7232	-.71	--			083	0.8500	1.24	035	0.7800	-.65	539	0.7400	-2.01
701	0.7050	-.78	--			--			--			--		

* 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 033.00	--	--	Method 033.01	--	--	Method 034.04	--	--	Method 035.00	--	--	Method 035.03	--
596	0.6500 s	-6.44	686	0.7550 A	-3.29	169	0.4950	-.55	307	0.2500	-.55	405	0.2550	.55
679	0.4700 s	-14.08	140	0.7500 s	-3.58	619	0.4620	-.78	142	0.2500	-.55	726	0.2550	.55
						010	0.4550	-.86	591	0.2400	-.73	110	0.2570	.54
--	Method 033.01	--	--	Method 033.03	--	190	0.3550	-1.51	152	0.2400	-.73	144	0.2545	.43
710	0.9300 s	6.06	726	0.9100	1.30				038	0.2395	-.77	021	0.2525	.33
226	0.8600	2.38	190	0.8800	.92	--	Method 034.05	--	650	0.2250	-1.50	616	0.2540	.29
004	0.8400	1.37	598	0.8300	.25	567	1.0550 S	4.87	548	0.2215	-1.70	693	0.2540	.28
242	0.8400	1.26	Avg	0.8108		154	0.7100	1.13	658	0.2082	-2.31	164	0.2515	.08
202	0.8400	1.26	048	0.7800	-.40	047	0.6070	.01				572	0.2515	.08
629	0.8200 R	1.08	505	0.7750	-.47	Avg	0.6057		--	Method 035.01	--	199	0.2514	.07
650	0.8350	1.03	265	0.7250 R	-1.17	414	0.5000	-1.10	686	0.2645	1.02	Avg	0.2506	
019	0.8350	1.03	122	0.6900	-1.59				138	0.2625	.82	567	0.2500	-.05
175	0.8300	.90	144	0.6750 S	-1.81	--	Method 034.99	--	Avg	0.2571		413	0.2500	-.05
233	0.8300	.90				721	0.6550	1.12	563	0.2516	-.90	017	0.2500	-.05
021	0.8245	.59	--	Method 033.05	--	Avg	0.6275		647	0.2500	-.99	186	0.2506	-.05
178	0.8200	.57	171	0.8050	.71	096	0.6000	-.50				148	0.2485	-.18
026	0.8250	.53							--	Method 035.02	--	029	0.2480	-.28
100	0.8250	.53	--	Method 033.99	--	--	Method 035.00	--	305	0.2500	.00	510	0.2460	-.39
354	0.8250	.53	630	2.1800 S	26.79	130	0.5505 s	19.32				414	0.2450	-.63
098	0.8200	.19	552	0.9850 S	4.65	596	0.3800 s	6.22	--	Method 035.03	--	701	0.2450	-.63
039	0.8194	.16	673	0.8000	1.23	354	0.3100 S	2.78	682	0.3400 s	7.44	154	0.2431	-.76
Avg	0.8164		Avg	0.7337		122	0.2950	2.01	208	0.3030 s	4.36	300	0.2430	-.76
205	0.8140	-.25	003	0.7100	-.57	720	0.2900	1.74	202	0.2950 A	3.72	298	0.2500 R	-.83
510	0.8150	-.28	619	0.6910	-.82	619	0.2730	1.11	187	0.2907	3.34	645	0.2414	-.87
042	0.8110	-.33	723	0.5350 S	-3.68	609	0.2750	1.03	353	0.2775 R	2.50	035	0.2400	-.89
164	0.8100	-.34				709	0.2670	.61	171	0.2710	1.71	309	0.2400	-.89
559	0.8100	-.34	--	Method 034.01	--	670	0.2650	.56	550	0.2670 R	1.64	242	0.2400	-.89
199	0.8100	-.34	560	0.6595	1.15	098	0.2650	.56	229	0.2700	1.61	358	0.2400	-.89
709	0.8090	-.43	Avg	0.6265		175	0.2650	.56	089	0.2700	1.61	366	0.2400	-.89
185	0.8082	-.44	038	0.6235	-.31	710	0.2600	.56	096	0.2650	1.27	045	0.2400	-.89
590	0.8100	-.63	668	0.5965	-1.04	263	0.2647	.49	100	0.2650	1.27	226	0.2400	-.89
096	0.8100	-.63				363	0.2600	.26	037	0.2600 R	1.14	185	0.2388	-1.09
011	0.8042	-.65	--	Method 034.04	--	233	0.2600	.26	042	0.2620	.95	560	0.2375	-1.09
194	0.8050	-.66	572	0.8045	1.65	208	0.2550	.15	011	0.2573	.84	407	0.2325	-1.51
038	0.7950	-1.17	026	0.7450	1.17	Avg	0.2548		297	0.2600	.78	345	0.2325	-1.51
413	0.7900	-1.41	508	0.6365	.54	205	0.2540	-.20	668	0.2575	.73	553	0.2280	-1.88
029	0.7900	-1.51	208	0.6280	.41	035	0.2500	-.24	049	0.2550	.55	265	0.2050 s	-3.82
307	0.7900	-1.51	164	0.5950	.14	139	0.2515	-.24	598	0.2550	.55			
229	0.7750	-2.22	Avg	0.5751		722	0.2455	-.46	083	0.2550	.55			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 035.05	--	--	Method 036.03	--	--	Method 037.01	--	--	Method 037.03	--	--	Method 037.05	--
665	0.2900	1.67	353	0.2300	-.18	039	213.88	-.19	560	213.00	.09	169	217.00	-.16
536	0.2830	1.17	202	0.2300	-.18	354	213.15	-.23	029	212.00	.08	021	213.60	-.26
169	0.2800	.99	366	0.2300	-.18	653	211.88	-.29	Avg	211.83		045	211.00	-.33
Avg	0.2630		160	0.2300	-.35	620	210.31	-.39	187	211.46	-.04	309	207.50	-.66
294	0.2600	-.17	693	0.2215	-.64	307	210.50	-.45	026	209.00	-.24	294	199.70	-.95
590	0.2600	-.17	345	0.2165	-.91	035	207.50	-.59	512	209.15	-.25	154	199.50	-.96
588	0.2520	-.64	294	0.2150	-1.03	612	207.50	-.59	083	208.00	-.31	668	196.50	-1.13
504	0.2534	-.67	045	0.2100	-1.26	350	207.20	-.62	226	206.50	-.44	353	199.55 R	-1.17
160	0.2600 R	-.94	616	0.1910	-2.29	674	206.50	-.72	520	208.00	-.44	345	177.45	-2.17
520	0.2450	-1.08	550	0.0910 s	-7.71	004	207.50	-.74	144	204.65	-.59	047	176.75	-2.21
129	0.2435	-1.13				658	204.82	-.77	598	203.50	-.71			
108	0.2000 S	-3.65	--	Method 036.04	--	591	204.30	-.82	242	201.00	-.85	--	Method 037.99	--
			226	0.2300	.88	305	200.55	-1.06	405	198.50	-1.06	721	258.00	1.64
--	Method 035.99	--	414	0.2300	.88	710	200.00	-1.10	358	197.55	-1.12	607	231.80	.72
724	0.3200 S	2.61	Avg	0.2233		669	200.99	-1.14	300	196.40	-1.22	121	214.94	.16
673	0.2800	1.12	510	0.2100	-.98	178	195.50	-1.42	553	192.00	-1.57	Avg	211.46	
725	0.2500	.00				175	201.00 R	-1.45	550	191.12	-1.63	725	198.00	-.47
Avg	0.2500		--	Method 037.01	--	511	195.00	-1.46	168	181.00	-2.43	692	184.50	-.95
692	0.2200	-1.12	596	255.50 s	2.81	588	193.00	-1.58				673	181.50	-1.07
588	0.1955 S	-2.03	675	253.87	2.59				--	Method 037.05	--			
			722	251.50	2.43	--	Method 037.03	--	035	336.50 s	6.55	--	Method 038.00	--
--	Method 036.00	--	720	239.64	1.62	208	285.50 s	5.80	042	275.50 S	3.20	414	2.7500 S	9.54
297	0.2300	.00	536	238.43	1.53	003	261.00 s	4.50	190	255.12	2.08	510	1.5000	1.24
307	0.3200 S	.00	208	230.00	.96	297	240.50 R	2.40	572	240.50	1.29	045	1.3500 R	1.02
Avg	0.2300		590	229.00	.89	049	233.77	1.79	017	240.50	1.28	169	1.4250	.83
			010	220.00	.74	413	232.00	1.60	357	240.00	1.26	Avg	1.3120	
--	Method 036.03	--	709	222.25	.71	265	230.00	1.43	096	230.00	.70	154	1.3000	-.08
169	0.2650	1.74	504	225.50	.69	148	228.50	1.31	027	225.12	.63	560	1.2350	-.56
265	0.2650	1.74	508	222.38	.58	171	225.00	1.04	202	228.50	.62	021	1.1000	-1.40
187	0.2514 R	1.34	019	220.90	.56	011	224.92	1.04	028	226.00	.53			
154	0.2518	1.08	548	221.19	.53	510	222.50	.84	160	220.00	.41	--	Method 038.99	--
042	0.2490	.88	505	222.00	.49	100	221.50	.76	693	219.50	.28	164	1.7400	.77
186	0.2466	.73	038	221.50	.44	074	220.00	.69	037	220.65	.26	Avg	1.6450	
171	0.2460	.69	563	219.20	.22	229	218.00	.51	726	218.68	.12	721	1.5500	-.95
357	0.2350	.29	098	217.00	.22	164	217.50	.45	366	217.50	.04			
021	0.2335	.24	013	218.00	.15	407	217.00	.41	Avg	217.09		--	Method 039.01	--
708	0.2340	.07	619	216.50	.11	414	215.00	.40	199	215.85	-.09	164	1.4000	.00
Avg	0.2333		Avg	216.07		185	215.00	.26	567	214.92	-.14			
560	0.2325	-.09	014	215.50	-.18	701	215.00	.26	616	215.50	-.16			

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 039.02	--	--	Method 105.00	--	--	Method 120.00	--	--	Method 122.00	--	--	Method 125.01	--
021	2.0500 R	1.94	160	5.9550	-.71	160	0.9743 s	6.16	504	1.1850	-.47	710	2.5800	-.71
154	2.1000	1.50				684	0.8870	1.89	160	1.1815	-.61			
045	1.9500	.90	--	Method 106.00	--	619	0.8675	.86	350	1.1665	-.92	--	Method 126.00	--
Avg	1.7373		171	6.2500	.71	571	0.8550	.24	038	1.1450	-1.67	160	0.7236	1.48
567	1.6500	-.41				Avg	0.8507					652	0.7000	1.07
560	1.6100	-.53	--	Method 106.02	--	675	0.8500	-.03	--	Method 122.01	--	684	0.7150	1.03
011	1.6438	-.63	242	19.770 s	7.00	350	0.8415	-.46	710	1.1000	.71	619	0.7065	.59
668	1.4700	-1.26	619	9.9200	2.32	504	0.8400	-.73				571	0.6975	.14
			563	6.8460	.83	652	0.8350	-1.08	--	Method 124.00	--	Avg	0.6952	
--	Method 040.00	--	512	6.7555	.80	676	0.8295	-1.10	675	0.5350 s	7.98	504	0.6850	-.59
560	8.6600	-.71	722	6.6493	.74	038	0.7915 S	-3.32	038	0.3295 R	1.46	675	0.6850	-.59
			038	6.2900	.68				684	0.3395	1.29	350	0.6755	-1.08
--	Method 041.00	--	Avg	5.0966		--	Method 120.01	--	160	0.3402	1.27	676	0.6690	-1.37
011	0.9545	.71	199	4.7500	-.17	710	0.8350	.71	652	0.3150	.65	038	0.6690 R	-1.92
			004	4.7450	-.26				Avg	0.3033				
--	Method 088.00	--	096	4.4450	-.40	--	Method 121.00	--	350	0.2970	-.22	--	Method 126.01	--
043	40.000	1.64	560	3.7650	-.64	160	1.0959 s	5.39	571	0.2885	-.59	710	0.6500	.00
028	36.500	.53	616	3.6000	-.71	676	0.9550	.95	619	0.2730	-1.04			
014	36.500	.53	670	3.1400	-.93	684	0.9535	.84	504	0.2700	-1.14	--	Method 127.00	--
036	35.000	.02	208	2.9950	-1.00	619	0.9420	.63				675	0.5550 s	6.66
Avg	34.923		160	2.3550	-1.31	571	0.9415	.44	--	Method 124.01	--	676	0.4470	1.44
027	33.550	-.69				504	0.9300	.05	710	0.3000	.00	652	0.4400	1.19
218	32.410	-.83	--	Method 108.02	--	Avg	0.9284					571	0.4180	.21
004	30.500	-1.44	560	60.000	.87	652	0.9250	-.20	--	Method 124.02	--	Avg	0.4158	
			Avg	30.603		675	0.9200	-.70	676	0.3000	.71	684	0.4155	-.03
--	Method 088.01	--	208	1.2050	-.87	350	0.8605	-2.19				504	0.4100	-.26
027	30.650	.71				038	0.8495 R	-3.07	--	Method 125.00	--	160	0.4089	-.32
			--	Method 109.02	--				684	2.8930	1.56	619	0.4130	-.43
--	Method 088.03	--	619	159.00	1.01	--	Method 121.01	--	652	2.8400	1.28	350	0.3740	-1.90
047	89.280 S	9.30	096	156.00	.94	710	0.8600	.00	619	2.8350	.97	038	0.3735 R	-2.20
038	43.100	.88	199	143.40	.65				Avg	2.7430				
Avg	38.550		208	135.00	.46	--	Method 122.00	--	160	2.7230	-.21	--	Method 127.01	--
003	34.000	-.85	560	126.00	.26	619	1.2650	1.59	675	2.7350	-.27	710	0.3650	.71
			Avg	114.77		684	1.2455	1.10	571	2.7100	-.39			
--	Method 104.00	--	675	100.05	-.34	676	1.2340	.90	350	2.7000	-.45	--	Method 128.00	--
208	14.250	.88	563	68.180	-1.06	652	1.2250	.58	504	2.6500	-.95	504	0.5650	1.18
Avg	11.175		722	30.521	-1.92	Avg	1.2027		676	2.6010	-1.45	684	0.5550	.97
171	8.1000	-.85				571	1.1950	-.43	038	2.4795 R	-3.18	571	0.5425	.69
						675	1.1850	-.47				652	0.5350	.54

* 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 128.00 --			-- Method 130.00 --			-- Method 132.00 --			-- Method 135.00 --			-- Method 138.00 --		
676	0.5320	.47	674	0.7700	-2.12	350	0.6470	-1.15	619	0.5500	.52	504	0.7400	1.27
Avg	0.5104		038	0.7875 s	-2.28	038	0.6190 S	-2.96	571	0.5465	.15	571	0.7265	.91
350	0.5015	-.23							Avg	0.5437		684	0.7230	.83
160	0.4756	-.76	-- Method 130.01 --			-- Method 132.01 --			504	0.5300	-.70	676	0.7205	.74
675	0.4550	-1.24	035	0.8550	.87	710	0.6550	.71	675	0.5250	-.98	350	0.7065	.41
619	0.4615 R	-1.28	Avg	0.8300					676	0.5130	-1.56	Avg	0.6932	
038	0.4320	-1.73	710	0.8050	-.87	-- Method 133.00 --			038	0.4865 s	-3.66	652	0.6650	-.78
						619	1.7000 s	14.54				619	0.6585	-1.02
-- Method 128.01 --			-- Method 130.05 --			571	1.1000	1.29	-- Method 135.01 --			160	0.6542	-1.06
710	0.4750	.71	723	0.8650	.71	675	1.0650	1.09	710	0.5350	.71	675	0.6450	-1.37
						684	1.0615	.40				038	0.6275 R	-2.34
-- Method 129.00 --			-- Method 131.00 --			676	1.0455	.30	-- Method 136.00 --					
684	1.3580 S	2.62	675	0.4300 s	6.01	160	1.0587	.30	038	0.1770	.91	-- Method 138.01 --		
675	1.2950	1.17	350	0.2820	1.18	Avg	1.0453		Avg	0.1680		710	0.6750	.71
504	1.2850	.78	652	0.2650	.80	504	1.0050	-.90	684	0.1590	-.82			
571	1.2850	.78	160	0.2654	.66	652	1.0450	-1.22				-- Method 139.00 --		
619	1.2600	.73	571	0.2610	.56	038	0.9820	-1.42	-- Method 136.01 --			504	0.0550	-.71
652	1.2650	.47	504	0.2550	.35				571	0.1780	.86			
350	1.2595	.28	Avg	0.2452		-- Method 134.00 --			Avg	0.1715		-- Method 300.01 --		
Avg	1.2520		619	0.2295	-.52	619	0.7500	1.18	160	0.1650	-.88	658	1.6000	.85
676	1.2290	-.54	684	0.2135	-1.02	160	0.7369	.94				Avg	0.9000	
160	1.1948	-1.35	038	0.1900	-1.81	684	0.7190	.68	-- Method 136.99 --			651	0.2000	-.88
038	1.1945	-1.72				675	0.7100	.51	504	0.1350	.71			
			-- Method 131.01 --			571	0.6875	.12						
-- Method 129.01 --			710	0.2800	.00	Avg	0.6827		-- Method 137.00 --					
710	1.2200	.71				350	0.6775	-.12	038	0.5200 R	1.96			
			-- Method 131.02 --			652	0.6700	-.28	675	0.5350	1.23			
-- Method 130.00 --			676	0.3110	.71	038	0.6465 R	-1.07	160	0.5350	.88			
504	0.9000 R	2.07				504	0.6250	-1.17	684	0.5165	.43			
160	0.8942	1.68	-- Method 132.00 --			676	0.5680	-2.00	676	0.5105	.27			
171	0.8650	.91	652	0.7200 R	2.41				Avg	0.4995				
676	0.8595	.64	675	0.7050	1.39	-- Method 134.01 --			350	0.4500	-1.22			
619	0.8475	.32	676	0.6935	.97	710	0.6450	.71	504	0.4500	-1.22			
350	0.8400	.21	684	0.6880	.82									
Avg	0.8391		571	0.6825	.67	-- Method 135.00 --			-- Method 137.01 --					
675	0.8350	-.20	Avg	0.6734		684	0.5755	1.62	710	0.4400	.00			
571	0.8320	-.28	504	0.6700	-.15	652	0.5450 R	.77						
684	0.8325	-.33	619	0.6520	-.93	350	0.5545	.60						
652	0.8150	-.75	160	0.6489	-1.13	160	0.5551	.58						

* 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
001.00	10	0.5502	1.99	0.25	009.09	19	0.4677	1.72	0.30
001.03	4	0.0000	0.89	0.53	009.99	2	65.7609	93.00	10.01
001.07	45	-0.4183	1.79	0.62	010.11	11	0.0000	1.00	0.19
001.99	17	0.2387	1.41	0.13	010.99	14	-0.3027	1.38	0.31
002.00	4	0.0000	0.99	0.37	011.01	76	0.1592	2.54	0.26
002.01	10	0.0000	1.02	0.08	011.99	3	0.0000	1.11	0.09
002.02	13	0.4761	1.86	0.52	012.00	7	0.0000	0.84	0.56
002.03	2	-4.3058	6.09	0.51	012.01	3	0.0000	0.88	0.56
002.04	6	0.3182	1.22	0.25	012.03	3	0.0000	1.09	0.22
002.05	19	0.0000	0.97	0.27	012.04	4	0.0000	1.07	0.10
002.06	118	0.0212	1.16	0.34	012.11	3	0.0000	1.04	0.34
002.08	5	0.0000	0.99	0.35	013.02	22	0.1238	2.10	1.56
002.10	7	0.0000	0.99	0.31	013.10	15	-0.2965	1.48	0.32
002.11	15	0.1358	1.06	0.47	015.00	13	0.0000	0.97	0.31
002.99	5	0.0769	0.95	0.41	017.00	8	0.9496	2.82	0.46
003.00	29	-0.2916	1.51	0.32	018.02	3	0.0000	0.87	0.58
003.01	2	0.0000	1.22	0.02	019.00	11	0.0000	1.02	0.12
003.06	25	-0.6459	3.13	0.29	019.01	61	0.1153	1.45	0.32
003.09	31	-0.2598	1.41	0.18	019.03	6	0.0000	1.04	0.14
003.10	38	-0.8171	2.70	0.28	019.05	39	-0.0106	0.98	0.21
003.11	15	0.2483	1.27	0.16	019.08	5	0.0000	0.99	0.34
003.12	4	-4.8994	9.82	0.61	019.09	29	-0.1212	1.07	0.49
003.13	4	-0.8005	1.84	0.58	019.99	8	0.0000	0.93	0.43
003.14	12	-0.0242	0.97	0.21	020.00	3	-3.6425	6.37	0.08
003.99	12	0.7747	1.74	0.17	020.01	10	-0.0903	1.01	0.23
004.00	30	-0.1279	1.39	0.32	020.99	3	1.3107	2.42	0.97
004.01	2	0.0000	0.99	0.51	021.01	3	1.1970	2.25	0.14
004.03	3	0.0000	1.11	0.14	021.02	10	-0.3920	1.54	0.31
004.06	30	2.8775	15.75	15.76	021.99	2	0.0000	1.14	0.32
004.07	45	0.0557	1.00	0.26	022.01	34	-0.2346	1.25	0.36
004.11	15	0.2431	1.35	0.15	022.03	33	-0.1164	1.73	0.34
004.99	5	0.0183	0.94	0.19	022.05	25	0.0000	0.96	0.31
005.00	131	-0.0129	1.45	0.37	022.99	6	0.0000	1.01	0.26
005.11	11	0.4387	2.70	0.36	025.01	30	0.2607	1.60	0.14
005.99	12	-1.8919	6.68	0.31	025.03	31	-0.0126	0.98	0.27
008.02	18	0.0000	1.00	0.15	025.05	24	-0.0384	0.99	0.37
008.08	22	0.1061	1.10	0.18	025.99	5	0.1720	1.01	0.19
008.99	5	0.0000	1.06	0.06	027.01	30	-0.4963	3.39	1.49
009.07	13	0.1917	1.19	0.21	027.03	33	44.0009	251.05	250.75

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
027.05	24	0.0589	1.58	0.84	088.00	7	0.0000	1.01	0.24
027.99	3	-1.1867	2.21	0.27	088.03	3	3.0992	5.43	0.24
028.01	25	-0.3141	1.28	0.18	104.00	2	0.0000	1.20	0.17
028.03	31	0.1761	1.18	0.29	106.02	14	0.4995	2.10	0.18
028.05	24	0.6604	3.20	0.40	108.02	2	0.0000	1.22	0.00
028.99	5	-0.1527	1.73	0.20	109.02	8	0.0000	1.03	0.04
031.01	57	-0.1548	4.71	1.02	120.00	10	0.3210	2.40	0.60
031.02	7	0.0000	0.96	0.38	121.00	10	0.2846	2.14	0.62
031.03	9	-1.4166	3.45	0.83	122.00	10	0.0000	0.96	0.34
031.05	66	-0.0132	0.95	0.39	124.00	9	0.9846	2.77	0.48
031.06	3	0.0000	0.94	0.50	125.00	10	-0.2690	1.25	0.62
031.99	9	0.0176	0.95	0.29	126.00	10	-0.1364	0.99	0.56
032.01	22	-0.2328	1.44	0.29	127.00	10	0.4409	2.33	0.76
032.02	9	-0.4620	1.67	0.39	128.00	10	-0.1056	1.01	0.29
032.05	56	-0.2455	2.22	0.33	129.00	10	0.2491	1.15	0.53
032.99	3	3.9608	6.91	0.11	130.00	12	0.0238	1.16	0.59
033.00	20	-0.5812	4.06	0.74	130.01	2	0.0000	1.20	0.17
033.01	36	-0.0158	1.59	0.37	131.00	9	0.6592	2.19	0.40
033.03	8	-0.3636	1.13	0.17	132.00	10	-0.0336	1.35	0.76
033.99	6	4.6228	11.18	0.56	133.00	9	1.6133	4.90	0.60
034.01	3	0.0000	1.10	0.17	134.00	10	-0.0630	0.96	0.36
034.04	9	0.0000	1.00	0.22	135.00	10	-0.2843	1.29	0.76
034.05	4	1.1724	2.51	0.67	136.00	2	0.0000	1.01	0.48
034.99	2	0.0000	0.71	0.71	136.01	2	0.0000	1.20	0.19
035.00	28	0.8420	3.12	2.40	137.00	7	0.0721	0.91	0.79
035.01	4	0.0000	1.03	0.29	138.00	10	-0.1784	1.10	0.52
035.03	55	0.2913	1.66	0.36					
035.05	11	-0.3478	1.41	0.36					
035.99	5	0.1155	1.83	0.01					
036.00	2	0.0000	0.00	0.00					
036.03	21	-0.3201	1.95	0.28					
036.04	3	0.0000	0.85	0.60					
037.01	39	0.0428	1.06	0.32					
037.03	35	0.3410	1.54	0.44					
037.05	28	0.3125	1.66	0.25					
037.99	6	0.0000	1.04	0.11					
038.00	7	1.3912	3.67	0.55					
038.99	2	0.0000	0.92	0.57					
039.02	7	0.1842	1.02	0.63					