

Feed Check Sample No. - 200831 Dry Dog Food
 Association of American Feed Control Officials

- Pass 1 Results for 221 Labs - - Pass 2 Results for 221 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	0.41500	0.03536	0.05000	1	0.41500	0.03536	0.05000
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	8	8.47624	0.35148	0.08577	8	8.47624	0.35148	0.08577
Loss on Drying, ISO 6496		001.03	5	8.49300	0.27552	0.09000	5	8.49300	0.27552	0.09000
Loss on Drying, LECO		001.05	1	8.66000	0.04243	0.06000	1	8.66000	0.04243	0.06000
Loss on Drying, 104 deg 3 hr, in malt ..	935.29	001.07	39	8.36340	0.41957	0.14387	36	8.41340	0.35640	0.10919
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	1	8.28000	0.00000	0.00000	1	8.28000	0.00000	0.00000
Loss on Drying, Misc		001.99	18	8.47542	0.54640	0.12828	18	8.46458	0.57229	0.12328
Method Group 001.XX PCT			72	8.41590	0.43580	0.12661	68	8.46228	0.37662	0.10259
Protein, Crude	954.01	002.00	5	27.2250	0.21209	0.13800	5	27.2250	0.21209	0.13800
Protein, Auto Kjel-Foss	976.05	002.01	14	27.6307	0.56606	0.20151	14	27.6307	0.56606	0.20151
Protein, Semiauto Autoanalyzer	976.06	002.02	7	27.3776	0.39922	0.17457	7	27.3776	0.39922	0.17457
Protein, Hach Method		002.03	1	27.0700	0.11314	0.16000	1	27.0700	0.11314	0.16000
Protein, Copper Cat	984.13	002.04	4	27.6913	0.24445	0.18750	4	27.6913	0.24445	0.18750
Protein, Copper, Boric Acid		002.05	18	27.5060	0.39752	0.10019	18	27.5060	0.39752	0.10019
Protein, Combustion Nitrogen Analyzer	990.03	002.06	137	27.8437	0.46057	0.21559	131	27.8301	0.43365	0.18153
Protein, Cu/Ti	988.05	002.08	6	27.2811	0.64248	0.08235	6	27.2811	0.64248	0.08235
Protein, Block dig/distillation		002.10	8	27.3838	0.33839	0.25500	7	27.3386	0.27856	0.15143
Protein, NIR		002.11	13	27.7765	0.81674	0.13154	14	27.4939	0.96505	0.10786
Protein, Misc		002.99	5	27.7277	0.25763	0.14334	5	27.7277	0.25763	0.14334
Method Group 002.XX PCT			218	27.7276	0.51129	0.19240	210	27.7130	0.49456	0.16528
Fat, Eth Ext, Direct	920.39	003.00	21	14.7929	1.63183	0.24510	19	14.7643	1.69701	0.16459
Fat, Ind Eth Ext (13th ed), Indirect ..	920.39	003.01	1	13.2950	0.51619	0.73000	1	13.2950	0.51619	0.73000
Fat, In Fish Meal	948.04	003.04	1	15.4500	0.01414	0.02000	1	15.4500	0.01414	0.02000
Fat, Pet Ether		003.06	20	14.4943	0.76681	0.13950	20	14.4943	0.76681	0.13950
Fat, Aq Ext	920.39	003.07	1	14.7620	0.03111	0.04400	1	14.7620	0.03111	0.04400
Fat, Soxtec, Eth Ext		003.09	13	15.1303	1.87240	0.25277	13	15.1303	1.87240	0.25277
Fat, Soxtec, Pet Ether		003.10	23	14.8983	1.75782	0.17321	21	14.9803	1.80890	0.13114
Fat, NIR		003.11	12	15.7321	1.66127	0.22417	11	15.8986	1.62539	0.13909
Fat, Hexane Ext.		003.12	3	14.9650	0.88755	0.13000	3	14.9650	0.88755	0.13000
Fat, Soxtec, Hexane Ext.		003.13	3	15.0333	1.08487	0.18000	3	15.0333	1.08487	0.18000
Fat, Ankom		003.14	14	14.2863	1.76059	0.31036	13	14.1879	1.78200	0.23808
Fat, Misc		003.99	6	15.2475	1.37172	0.28833	6	15.2475	1.37172	0.28833
Method Group 003.XX PCT			118	14.8616	1.57020	0.21776	112	14.8750	1.59630	0.17889
Fiber, Crude Asbestos Free	962.09	004.00	26	1.74919	0.39337	0.14037	24	1.70600	0.36415	0.10165
Fiber, Sing Filt		004.01	1	2.60000	0.42426	0.60000	1	2.60000	0.42426	0.60000
Fiber, Fritted Glass	978.10	004.03	3	1.93833	0.36956	0.11000	3	1.93833	0.36956	0.11000
Fiber, Fibertec		004.06	34	1.86186	0.26570	0.08859	34	1.86186	0.26570	0.08859
Fiber, ANKOM		004.07	40	1.82938	0.38497	0.10875	39	1.80513	0.35513	0.09692
Fiber, NIR		004.11	13	1.67077	0.26746	0.04923	12	1.68500	0.27229	0.03667

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Fiber, Misc		004.99	6	1.83833	0.42941	0.09667	5	1.78200	0.43627	0.01600
Method Group 004.XX PCT			123	1.81400	0.35726	0.10700	118	1.79824	0.34118	0.09052
Ash,	942.05	005.00	131	5.66866	0.11159	0.05908	125	5.66819	0.10934	0.05135
Ash, LECO		005.02	1	5.66500	0.07778	0.11000	1	5.66500	0.07778	0.11000
Ash, Microwave Furnace		005.03	1	5.41000	0.01414	0.02000	1	5.41000	0.01414	0.02000
Ash, NIR		005.11	4	5.75375	0.28410	0.31250	9	6.05722	0.36023	0.23000
Ash, Misc		005.99	18	5.64919	0.15247	0.06737	18	5.64919	0.15247	0.06737
Method Group 005.XX PCT			155	5.66690	0.12514	0.06666	149	5.66644	0.12399	0.06048
Fiber, Acid Detergent	973.18	008.02	13	2.68256	0.38246	0.18429	12	2.69278	0.38629	0.14798
Fiber, Acid Detergent-Hach		008.05	1	4.30000	0.70711	1.00000	1	4.30000	0.70711	1.00000
Fiber, Acid Detergent by ANKOM		008.08	19	2.99316	0.93219	0.32316	18	2.94389	0.83438	0.14667
Fiber, Acid Detergent Misc		008.99	4	2.89750	0.53009	0.37000	4	2.89750	0.53009	0.37000
Method Group 008.XX PCT			37	2.90901	0.77415	0.29772	35	2.89124	0.71506	0.19702
Fiber, Neutral Det-No ENZ Pretreat		009.04	2	12.5878	1.42656	1.63125	2	12.5878	1.42656	1.63125
Fiber, Neutral Det-ENZ Pretreat		009.07	7	8.83714	2.13564	0.35429	7	8.83714	2.13564	0.35429
Fiber, Neutral Detergent by ANKOM		009.09	16	9.02406	0.95428	0.37188	16	9.02406	0.95428	0.37188
Fiber, Neutral Det Misc		009.99	3	8.09333	0.42184	0.48667	3	8.09333	0.42184	0.48667
Method Group 009.XX PCT			28	9.13217	1.65338	0.46973	28	9.13217	1.65338	0.46973
Moisture, Karl-Fischer	966.20	010.03	3	6.81500	1.41948	0.20333	3	6.81500	1.41948	0.20333
Moisture, NIR		010.11	12	8.52958	0.79311	0.08917	10	8.57500	0.85032	0.03600
Moisture, Misc		010.99	25	7.94638	1.05689	0.14957	22	8.02793	1.02783	0.08497
Method Group 010.XX PCT			40	8.03649	1.09353	0.13548	35	8.08027	1.10244	0.08112
Loss on Drying, 135 deg 2 hr	930.15	011.01	78	9.01443	0.39263	0.09539	76	9.00988	0.39143	0.08698
Loss on Drying, High Temp Methods, Misc		011.99	2	8.44500	0.61911	0.43000	2	8.44500	0.61911	0.43000
Method Group 011.XX PCT			80	9.00020	0.40677	0.10376	78	8.99539	0.40584	0.09577
Starch, Polarimetric (Ewers)		012.00	7	32.6536	0.72866	0.46429	7	32.6536	0.72866	0.46429
Starch, Megazyme		012.01	3	29.9800	1.23803	0.46667	3	29.9800	1.23803	0.46667
Starch, Enzymatic		012.03	2	32.0975	1.41987	0.80500	2	32.0975	1.41987	0.80500
Starch, YSI Analyzer		012.04	5	31.4260	0.96957	0.17600	4	31.0825	0.71324	0.07000
Starch, NIR		012.11	4	31.1550	1.15053	0.64500	4	31.1550	1.15053	0.64500
Starch, Misc.		012.99	1	37.1000	0.00000	0.00000	1	37.1000	0.00000	0.00000
Method Group 012.XX PCT			22	31.8891	1.73424	0.44182	21	31.8457	1.76282	0.43429
Fat, Mojonner, Bak Ext	954.02	013.02	52	18.1571	0.71960	0.21831	50	18.1881	0.70560	0.18084
Fat, Soxtec-Acid Hydrolysis		013.10	25	17.8628	0.67006	0.30880	23	17.8523	0.62116	0.18304
Fat, Super Critical Fluid Extraction		013.11	1	18.5900	0.15556	0.22000	1	18.5900	0.15556	0.22000
Fat, NIR-Acid Hydrolysis		013.12	4	17.5088	1.83616	0.15250	4	17.5088	1.83616	0.15250
Fat, Ankon-Acid Hydrolysis		013.13	1	19.4200	0.38184	0.54000	1	19.4200	0.38184	0.54000
Fat, Pretreat or extended ext, misc		013.99	10	17.4563	1.17037	0.17260	10	17.4563	1.17037	0.17260
Method Group 013.XX PCT			93	17.9930	0.87365	0.23837	89	18.0069	0.86864	0.18369

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Aluminum, ICP		015.00	11	25.2030	4.41181	2.08136	11	25.2030	4.41181	2.08136
Method Group 015.XX PPM			11	25.2030	4.41181	2.08136	11	25.2030	4.41181	2.08136
Arsenic, AA, Hydride		016.00	1	0.06400	0.00990	0.01400	1	0.06400	0.00990	0.01400
Boron, ICP		017.00	8	3.06375	0.82503	0.38250	7	3.11571	0.80520	0.19143
Boron, Misc		017.99	1	4.30000	0.42426	0.60000	1	4.30000	0.42426	0.60000
Method Group 017.XX PPM			9	3.20111	0.87807	0.40667	8	3.26375	0.85880	0.24250
Cadmium, ICP		018.02	1	0.03050	0.00141	0.00200	1	0.03050	0.00141	0.00200
Calcium, Ox-Mn04 Vol	927.02	019.00	15	1.06492	0.06799	0.03163	14	1.07134	0.06250	0.02317
Calcium, At Abs Spect	968.08	019.01	47	1.08829	0.05392	0.02698	44	1.08362	0.04765	0.02064
Calcium, Hach Method		019.02	1	1.08500	0.07778	0.11000	1	1.08500	0.07778	0.11000
Calcium, Semiauto (Autoanalyzer)		019.03	6	1.13747	0.05030	0.05257	6	1.13747	0.05030	0.05257
Calcium, ICP, Dry Ash		019.05	40	1.11224	0.07017	0.02945	38	1.11354	0.06875	0.02442
Calcium, EDTA		019.08	7	1.09251	0.06700	0.02313	7	1.09251	0.06700	0.02313
Calcium, ICP, Wet Ash		019.09	29	1.12216	0.05670	0.03036	26	1.12068	0.05080	0.01963
Calcium, Misc		019.99	7	1.12211	0.08676	0.05773	7	1.12211	0.08676	0.05773
Method Group 019.XX PCT			152	1.10242	0.06500	0.03153	143	1.10170	0.06173	0.02561
Chromium, AA		020.00	1	1.40000	0.00000	0.00000	1	1.40000	0.00000	0.00000
Chromium, ICP		020.01	5	1.32325	0.43177	0.31150	5	1.32325	0.43177	0.31150
Chromium, Misc		020.99	1	1.38000	0.25456	0.36000	1	1.38000	0.25456	0.36000
Method Group 020.XX PPM			7	1.34232	0.36750	0.27393	7	1.34232	0.36750	0.27393
Cobalt, AA	968.08	021.01	4	0.80659	0.33941	0.11233	4	0.80659	0.33941	0.11233
Cobalt, ICP		021.02	7	0.29693	0.37969	0.03314	6	0.15133	0.08702	0.01483
Cobalt, Misc		021.99	1	0.17635	0.02143	0.03030	1	0.17635	0.02143	0.03030
Method Group 021.XX PPM			12	0.45677	0.42605	0.05930	11	0.39188	0.38131	0.05169
Copper, AA	968.08	022.01	30	16.5054	1.93953	0.59752	29	16.6263	1.84734	0.54916
Copper, ICP, Dry Ash	968.08	022.03	29	16.2355	1.93572	0.91376	27	16.2294	1.94096	0.71070
Copper, ICP, Wet Ash	968.08	022.05	27	16.9008	1.56186	0.42811	27	16.9008	1.56186	0.42811
Copper, Misc		022.99	6	15.3758	1.50306	0.62447	6	15.3758	1.50306	0.62447
Method Group 022.XX PPM			92	16.4627	1.83664	0.64924	89	16.5049	1.80558	0.56652
Fluorine, Ion Sel Elect	975.08	023.01	1	0.00100	0.00000	0.00000	1	0.00100	0.00000	0.00000
Iron, AA	968.08	025.01	29	203.638	19.4257	8.22183	28	202.482	18.5326	7.44404
Iron, ICP, Dry Ash	968.08	025.03	31	197.805	15.6816	6.77448	31	197.805	15.6816	6.77448
Iron, ICP, Wet Ash	968.08	025.05	23	212.689	18.8325	10.9942	22	211.661	17.9373	9.40541
Iron, Misc		025.99	5	192.299	16.5925	13.2402	5	192.299	16.5925	13.2402
Method Group 025.XX PPM			88	203.305	18.8364	8.72171	86	202.552	18.1454	8.04142
Lead, Misc		026.00	1	0.20000	0.00000	0.00000	1	0.20000	0.00000	0.00000
Lead, Misc		026.99	2	0.22375	0.25941	0.02850	2	0.22375	0.25941	0.02850
Method Group 026.XX PPM			3	0.21583	0.20131	0.01900	3	0.21583	0.20131	0.01900
Magnesium, AA	968.08	027.01	29	0.10734	0.00610	0.00333	28	0.10733	0.00612	0.00306

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Magnesium, ICP, Dry Ash	968.08	027.03	34	0.11085	0.00756	0.00401	32	0.11100	0.00745	0.00319
Magnesium, ICP, Wet Ash	968.08	027.05	23	0.11244	0.00783	0.00413	23	0.11244	0.00783	0.00413
Magnesium, Misc.		027.99	4	0.11326	0.01224	0.00082	4	0.11326	0.01224	0.00082
Method Group 027.XX PCT			90	0.11023	0.00768	0.00368	87	0.11030	0.00767	0.00329
Manganese, AA	968.08	028.01	28	24.8614	3.65919	1.17214	29	23.9664	4.37816	0.97069
Manganese, ICP, Dry Ash	968.08	028.03	34	25.1439	2.20155	0.70759	33	25.0422	2.13768	0.63812
Manganese, ICP, Wet Ash	968.08	028.05	24	26.6340	1.95858	1.36150	22	26.6917	1.64628	0.93982
Manganese, Misc.		028.99	6	23.8075	2.59853	1.47390	6	23.8075	2.59853	1.47390
Method Group 028.XX PPM			92	25.3595	2.80483	1.06954	88	25.2628	2.73045	0.89202
Mercury		029.00	1	0.00350	0.00071	0.00100	1	0.00350	0.00071	0.00100
Phosphorus, Vol	964.06	031.00	1	0.84495	0.00417	0.00590	1	0.84495	0.00417	0.00590
Phosphorus, Photometric	965.17	031.01	61	0.84830	0.03124	0.01383	58	0.84701	0.02995	0.01144
Phosphorus, GQMP (2.028)	964.06	031.02	4	0.85925	0.02424	0.01035	4	0.85925	0.02424	0.01035
Phosphorus, Autoanalyzer		031.03	8	0.86144	0.02626	0.01363	7	0.86093	0.02640	0.00843
Phosphorus, ICP		031.05	65	0.87492	0.04269	0.02023	66	0.87682	0.04506	0.01992
Phosphorus, Hach Method		031.06	3	0.83000	0.02191	0.01333	3	0.83000	0.02191	0.01333
Phosphorus, Misc		031.99	10	0.85185	0.05833	0.01191	9	0.85262	0.06102	0.00768
Method Group 031.XX PCT			152	0.86051	0.04011	0.01628	147	0.86033	0.04016	0.01493
Potassium, AA	975.03	032.01	26	0.60748	0.04425	0.01366	24	0.60394	0.04162	0.01063
Potassium, Flame Emission	956.01	032.02	6	0.62433	0.02871	0.01433	6	0.62433	0.02871	0.01433
Potassium, STPB		032.03	1	0.64000	0.01414	0.02000	1	0.64000	0.01414	0.02000
Potassium, ICP		032.05	55	0.63471	0.03579	0.01550	54	0.63596	0.03463	0.01458
Potassium, Misc		032.99	3	0.63795	0.07093	0.00543	3	0.63795	0.07093	0.00543
Method Group 032.XX PCT			91	0.62641	0.04080	0.01462	88	0.62655	0.03996	0.01324
Salt, Sol Cl	943.01	033.00	18	1.11964	0.17662	0.02347	18	1.11964	0.17662	0.02347
Salt, Poten Cl	969.10	033.01	31	1.23370	0.03863	0.01780	30	1.23249	0.03758	0.01506
Salt, Quantab		033.03	4	0.78900	0.13205	0.03500	5	0.71920	0.18772	0.03200
Salt, Ion Sel Electrode		033.05	1	1.25500	0.02121	0.03000	1	1.25500	0.02121	0.03000
Salt, Misc		033.99	8	1.04419	0.18547	0.01313	8	1.04419	0.18547	0.01313
Method Group 033.XX PCT			62	1.14779	0.16946	0.02015	61	1.14578	0.17000	0.01884
Selenium, Fluor	969.06	034.01	2	0.39625	0.01367	0.00650	2	0.39625	0.01367	0.00650
Selenium, AA, Hydride		034.04	8	0.37313	0.08217	0.01500	8	0.37313	0.08217	0.01500
Selenium, ICP		034.05	3	0.23817	0.18131	0.04233	3	0.23817	0.18131	0.04233
Method Group 034.XX PPM			13	0.34554	0.11964	0.02000	13	0.34554	0.11964	0.02000
Sodium, AA		035.00	30	0.38435	0.02804	0.00880	29	0.38364	0.02812	0.00807
Sodium, Ion Sel Electrode		035.01	4	0.38614	0.01675	0.00793	4	0.38614	0.01675	0.00793
Sodium, ICP		035.03	53	0.39133	0.02587	0.01004	50	0.38951	0.02396	0.00868
Sodium, Flame Emission	956.01	035.05	10	0.38760	0.02620	0.00740	10	0.38760	0.02620	0.00740
Sodium, Misc		035.99	3	0.39945	0.03011	0.00923	3	0.39945	0.03011	0.00923

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Method Group 035.XX PCT			100	0.38890	0.02641	0.00929	96	0.38771	0.02544	0.00835
Sulfur, (Gravimetric)		036.00	1	0.34000	0.00000	0.00000	1	0.34000	0.00000	0.00000
Sulfur, ICP		036.03	22	0.34457	0.02902	0.00913	21	0.34670	0.02749	0.00737
Sulfur, LECO		036.04	2	0.34750	0.01500	0.00500	2	0.34750	0.01500	0.00500
Method Group 036.XX PCT			25	0.34462	0.02747	0.00843	24	0.34648	0.02599	0.00687
Zinc, AA	968.08	037.01	32	202.045	9.21945	5.14315	29	201.946	9.15638	3.67520
Zinc, ICP, Dry Ash	968.08	037.03	34	201.429	12.4938	5.79671	33	200.790	11.5152	4.66933
Zinc, ICP, Wet Ash	968.08	037.05	29	209.843	16.8759	9.37428	29	209.843	16.8759	9.37428
Zinc, Misc		037.99	9	197.081	12.7388	10.7744	9	197.081	12.7388	10.7744
Method Group 037.XX PPM			104	203.588	13.6034	7.02397	100	203.417	13.4665	6.29493
Molybdenum, ICP		038.00	6	0.80313	0.10636	0.08725	6	0.80313	0.10636	0.08725
Method Group 038.XX PPM			6	0.80313	0.10636	0.08725	6	0.80313	0.10636	0.08725
Nickel, AA		039.01	1	0.70000	0.00000	0.00000	1	0.70000	0.00000	0.00000
Nickel, ICP		039.02	2	1.04263	0.41536	0.47725	2	1.04263	0.41536	0.47725
Method Group 039.XX PPM			3	0.92842	0.36718	0.31817	3	0.92842	0.36718	0.31817
Barium, ICP		040.00	1	3.91500	0.02121	0.03000	1	3.91500	0.02121	0.03000
Vanadium, ICP		041.00	1	0.24750	0.00566	0.00800	1	0.24750	0.00566	0.00800
Carbadox, Color	977.35	050.00	1	5.68500	0.04950	0.07000	1	5.68500	0.04950	0.07000
Choline Chloride, Chem		101.01	1	819.500	21.9203	31.0000	1	819.500	21.9203	31.0000
Choline Chloride, HPLC		101.02	1	585.260	12.9259	18.2800	1	585.260	12.9259	18.2800
Method Group 101.XX MG/LB			2	702.380	136.034	24.6400	2	702.380	136.034	24.6400
Niacin, Micro	944.13	102.01	2	28.6858	33.2820	5.45650	2	28.6858	33.2820	5.45650
Method Group 102.XX MG/LB			2	28.6858	33.2820	5.45650	2	28.6858	33.2820	5.45650
Riboflavin, Fluorometric	970.65	104.00	3	4.56500	0.35960	0.25000	3	4.56500	0.35960	0.25000
Riboflavin, HPLC		104.03	2	3.00895	0.24033	0.04700	2	3.00895	0.24033	0.04700
Method Group 104.XX MG/LB			5	3.94258	0.85835	0.16880	5	3.94258	0.85835	0.16880
Thiamine, HPLC		105.00	2	14.3975	1.07881	0.09500	2	14.3975	1.07881	0.09500
Thiamine,	942.23	105.01	2	19.9900	2.51029	1.99000	2	19.9900	2.51029	1.99000
Method Group 105.XX MG/LB			4	17.1938	3.48360	1.04250	4	17.1938	3.48360	1.04250
Vitamin A, UV		106.01	1	4.36300	0.17112	0.24200	1	4.36300	0.17112	0.24200
Vitamin A, HPLC		106.02	18	4.79625	1.19874	0.19217	17	4.66956	1.10407	0.16229
Method Group 106.XX KU/LB			19	4.77345	1.17035	0.19479	18	4.65253	1.07482	0.16672
Vitamin B12,	952.20	107.00	2	43.1500	13.9274	1.04000	2	43.1500	13.9274	1.04000
Method Group 107.XX MCG/L			2	43.1500	13.9274	1.04000	2	43.1500	13.9274	1.04000
Vitamin D3, HPLC	982.29	108.01	2	0.57400	0.01757	0.01900	2	0.57400	0.01757	0.01900
Vitamin D3, HPLC		108.02	1	0.60000	0.01414	0.02000	1	0.60000	0.01414	0.02000
Method Group 108.XX KU/LB			3	0.58267	0.02014	0.01933	3	0.58267	0.02014	0.01933
Vitamin E, HPLC		109.02	9	88.1841	9.71266	3.00561	9	88.1841	9.71266	3.00561
Vitamin E, Misc		109.99	2	107.900	16.9201	5.07000	2	107.900	16.9201	5.07000

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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
Method Group 109.XX MG/KG			11	91.7688	13.3358	3.38095	11	91.7688	13.3358	3.38095
Pyridoxine, (Vitamin B6)	961.15	112.00	1	3895.00	205.061	290.000	1	3895.00	205.061	290.000
Pyridoxine, Misc		112.99	1	6.42900	0.44406	0.62800	1	6.42900	0.44406	0.62800
Method Group 112.XX MCG/G			2	1950.71	2248.19	145.314	2	1950.71	2248.19	145.314
Folic Acid,	944.12	113.01	3	1.58233	0.27662	0.24867	3	1.58233	0.27662	0.24867
Method Group 113.XX MG/KG			3	1.58233	0.27662	0.24867	3	1.58233	0.27662	0.24867
Biotin, Microbiological		114.01	1	0.49800	0.02263	0.03200	1	0.49800	0.02263	0.03200
Alanine, Post-col Ninhydrin Der	994.12	120.00	13	1.87790	0.08771	0.02673	12	1.87605	0.08999	0.02062
Method Group 120.XX PCT			13	1.87790	0.08771	0.02673	12	1.87605	0.08999	0.02062
Arginine, Post-col Ninhydrin Der	994.12	121.00	12	1.47479	0.06700	0.02508	11	1.48695	0.05382	0.01991
Method Group 121.XX PCT			12	1.47479	0.06700	0.02508	11	1.48695	0.05382	0.01991
Aspartic, Post-col Ninhydrin Der	994.12	122.00	13	1.97730	0.06248	0.02110	13	1.97730	0.06248	0.02110
Method Group 122.XX PCT			13	1.97730	0.06248	0.02110	13	1.97730	0.06248	0.02110
Glutamic Acid,		123.00	1	4.68350	0.00636	0.00900	1	4.68350	0.00636	0.00900
Cysteine/Cystine, PAO Post-col Ninhydrin	994.12	124.00	10	0.38795	0.03018	0.01410	10	0.38795	0.03018	0.01410
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.36550	0.00071	0.00100	1	0.36550	0.00071	0.00100
Method Group 124.XX PCT			11	0.38591	0.02946	0.01291	11	0.38591	0.02946	0.01291
Glutamic, Post-col Ninhydrin Der	994.12	125.00	12	4.50733	0.17858	0.06204	11	4.49345	0.17578	0.04405
Method Group 125.XX PCT			12	4.50733	0.17858	0.06204	11	4.49345	0.17578	0.04405
Glycine, Post-col Ninhydrin Der	994.12	126.00	13	1.87448	0.07083	0.03099	12	1.87319	0.07154	0.02358
Method Group 126.XX PCT			13	1.87448	0.07083	0.03099	12	1.87319	0.07154	0.02358
Histidine, Post-col Ninhydrin Der	994.12	127.00	13	0.57913	0.05092	0.01231	13	0.57913	0.05092	0.01231
Method Group 127.XX PCT			13	0.57913	0.05092	0.01231	13	0.57913	0.05092	0.01231
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	13	0.96684	0.10012	0.01597	12	0.96324	0.10286	0.01063
Method Group 128.XX PCT			13	0.96684	0.10012	0.01597	12	0.96324	0.10286	0.01063
Leucine, Post-col Ninhydrin Der	994.12	129.00	13	2.57219	0.11843	0.02954	13	2.57219	0.11843	0.02954
Method Group 129.XX PCT			13	2.57219	0.11843	0.02954	13	2.57219	0.11843	0.02954
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	12	1.18138	0.05541	0.01913	12	1.18138	0.05541	0.01913
L-Lysine, Misc		130.99	1	1.06500	0.02546	0.03600	1	1.06500	0.02546	0.03600
Method Group 130.XX PCT			13	1.17243	0.06206	0.02043	13	1.17243	0.06206	0.02043
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	10	0.54825	0.04003	0.01530	9	0.55683	0.03031	0.01078
Methionine, PAO Post-col OPA Der		131.02	1	0.52850	0.00354	0.00500	1	0.52850	0.00354	0.00500
Method Group 131.XX PCT			11	0.54645	0.03853	0.01436	10	0.55400	0.02998	0.01020
Phenylalanine, Post-col Ninhydrin Der	994.12	132.00	12	1.24735	0.04373	0.02108	11	1.24756	0.04446	0.01663
Method Group 132.XX PCT			12	1.24735	0.04373	0.02108	11	1.24756	0.04446	0.01663
Proline, Post-col Ninhydrin Der	994.12	133.00	11	1.96990	0.12552	0.04079	10	1.95290	0.11639	0.03087
Method Group 133.XX PCT			11	1.96990	0.12552	0.04079	10	1.95290	0.11639	0.03087
Serine, Post-col Ninhydrin Der	994.12	134.00	13	1.17324	0.06017	0.02108	13	1.17324	0.06017	0.02108
Method Group 134.XX PCT			13	1.17324	0.06017	0.02108	13	1.17324	0.06017	0.02108

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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
Threonine, Post-col Ninhydrin Der	994.12	135.00	13	0.96483	0.04764	0.01436	13	0.96483	0.04764	0.01436
Method Group 135.XX PCT			13	0.96483	0.04764	0.01436	13	0.96483	0.04764	0.01436
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	2	0.24550	0.01670	0.00700	2	0.24550	0.01670	0.00700
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.24825	0.00730	0.00100	4	0.24825	0.00730	0.00100
Tryptophan, Misc		136.99	2	0.25275	0.00862	0.00250	2	0.25275	0.00862	0.00250
Method Group 136.XX PCT			8	0.24869	0.01014	0.00288	8	0.24869	0.01014	0.00288
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	8	0.89722	0.07105	0.01405	8	0.89722	0.07105	0.01405
Method Group 137.XX PCT			8	0.89722	0.07105	0.01405	8	0.89722	0.07105	0.01405
Valine, Post-col Ninhydrin Der	994.12	138.00	11	1.21536	0.06623	0.01635	10	1.22940	0.04938	0.01098
Method Group 138.XX PCT			11	1.21536	0.06623	0.01635	10	1.22940	0.04938	0.01098
Taurine, Post-col Ninhydrin Der	994.12	139.00	3	0.43283	0.50956	0.00233	3	0.43283	0.50956	0.00233
Method Group 139.XX PCT			3	0.43283	0.50956	0.00233	3	0.43283	0.50956	0.00233
Lysine, Free (Available)	975.44	140.00	1	0.03000	0.00000	0.00000	1	0.03000	0.00000	0.00000

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 002.01	--	--	Method 002.05	--
265	0.4150	-.71	199	8.5250	.33	096	8.7500	.51	653	27.590	-.55	552	27.450	-.14
--	Method 001.00	--	083	8.5000	.28	505	8.7050	.45	607	27.499	-.57	178	27.500	-.25
859	94.355 s	244.34	588	8.4900	.22	638	8.7100	.43	652	27.200	-.78	354	27.405	-.25
504	9.1500	1.92	089	8.4900	.21	681	8.6700	.37	860	26.725	-1.60	722	27.313	-.49
844	8.7750	.85	Avg	8.4134		693	8.6550	.35	672	26.550	-1.91	039	27.309	-.50
783	8.6100	.39	035	8.3900	-.07	853	8.5300	.12	--	Method 002.02	--	674	27.305	-.57
Avg	8.4762		843	8.3900	-.11	Avg	8.5493		307	29.150 s	4.73	083	27.280	-.60
029	8.4400	-.28	139	8.3500	-.18	656	8.4250	-.07	297	27.805	1.08	536	27.165	-.86
309	8.3600	-.37	098	8.3350	-.22	676	8.3775	-.16	187	27.710	.96	855	27.125	-1.02
169	8.2850	-.55	187	8.3400	-.22	619	8.3450	-.21	042	27.650	.70	625	26.575	-2.35
722	8.1399	-.96	571	8.3700	-.23	357	8.3400	-.22	669	27.535	.39	--	Method 002.06	--
016	8.0500	-1.22	616	8.3400	-.23	630	8.3100	-.33	Avg	27.378		425	29.620 s	4.13
509	6.5950 S	-5.35	689	8.3000	-.42	787	8.2650	-.38	152	27.200	-.51	692	29.450 s	3.74
560	6.0250 S	-6.98	045	8.2600	-.43	536	7.2200 R	-2.21	169	26.970	-1.10	618	28.988 A	2.73
--	Method 001.03	--	049	8.4050	-.49	672	7.1350	-2.34	036	26.773	-1.52	019	28.825	2.30
686	8.7950	1.11	849	8.2250	-.53	615	7.0250 S	-2.54	527	28.780	2.20	527	28.780	2.20
567	8.6500	.60	014	8.2150	-.72	729	6.8800 S	-2.78	645	28.675 R	2.13	645	28.675 R	2.13
688	8.6500	.60	675	8.1550	-.73	541	6.3250 S	-3.74	682	28.750	2.12	682	28.750	2.12
Avg	8.4930		609	8.1500	-.75	665	5.9900 S	-4.33	108	28.710	2.10	108	28.710	2.10
731	8.2000	-1.08	695	8.1350	-.79	--	Method 002.00	--	122	28.710	2.08	122	28.710	2.08
663	8.1700	-1.17	607	8.1100	-.85	015	27.410	1.07	405	27.960	1.15	190	28.715	2.04
--	Method 001.05	--	278	8.1050	-.87	028	27.350	.82	504	27.805	.47	508	28.705	2.03
610	8.6600	.71	345	7.9550	-1.30	679	27.350	.62	Avg	27.691		574	28.570	1.72
--	Method 001.07	--	307	8.3000 R	-1.44	Avg	27.225		509	27.550	-.81	037	28.550	1.66
366	9.3000	2.49	171	7.8600	-1.57	826	27.070	-.74	638	27.450	-1.14	712	28.270 R	1.59
581	9.0750	1.86	038	7.9050 R	-1.62	199	26.945	-1.33	--	Method 002.05	--	539	28.235 R	1.57
142	9.0000	1.65	074	7.7750	-1.82	--	Method 002.01	--	686	28.495	1.53	686	28.495	1.53
178	8.8500	1.30	353	7.7300	-1.92	723	28.665	1.83	616	28.470	1.49	616	28.470	1.49
550	8.8575	1.29	015	7.0850 A	-3.73	718	28.270	1.16	401	29.180 s	4.21	001	28.445	1.44
297	8.7600	1.00	618	6.5600 s	-5.29	716	28.050	.79	621	28.140	1.60	032	28.450	1.43
669	8.7200	.87	--	Method 001.08	--	656	27.920	.52	849	28.140	1.60	018	28.440	1.42
559	8.7050	.87	590	8.2800	.00	098	27.750	.34	633	27.967	1.16	139	28.440	1.42
591	8.7150	.85	--	Method 001.99	--	710	27.790	.28	651	27.955	1.13	354	28.430	1.39
413	8.5000	.37	405	9.2050	1.30	848	27.775	.26	622	27.905	1.01	859	28.399	1.33
679	8.5000	.37	612	9.1800	1.25	350	27.656	.06	663	27.555	.29	647	28.365	1.32
			554	8.9050	.80	Avg	27.631		689	27.550	.17	363	28.345	1.19
			720	8.8300	.64	731	27.390	-.45	Avg	27.506		660	28.310	1.19
									179	27.470	-.10	011	28.250	1.09

* 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 002.08	--	--	Method 002.99	--
047	28.250	1.03	036	27.820	-.12	179	27.755	-.75	062	28.318	1.61	065	27.943	.84
263	28.274	1.02	265	27.800	-.13	089	27.500	-.76	610	27.550	.43	613	27.880	.59
646	28.260	1.00	164	27.770	-.14	511	27.500	-.76	563	27.384	.16	305	27.820	.50
695	28.190	.98	550	27.765	-.15	650	27.505	-.77	208	27.350	.13	Avg	27.728	
006	28.215	.89	828	27.775	-.21	199	27.495	-.79	Avg	27.281		693	27.660	-.93
761	28.210	.88	016	27.750	-.22	294	27.480	-.81	160	26.585	-1.09	724	27.335	-1.52
168	28.135	.86	823	27.800	-.24	520	27.490	-.86	706	26.500	-1.22	--	Method 003.00	--
029	28.185	.82	175	27.800	-.24	407	27.455	-.87	--	Method 002.10	--	615	18.060	1.94
144	28.145	.74	853	27.825	-.24	009	27.455	-.87	--	Method 002.10	--	309	17.500	1.62
598	28.005	.71	035	27.755	-.26	559	27.450	-.88	546	27.700 R	2.19	132	17.155	1.41
233	28.120	.67	541	27.720	-.26	309	27.635	-.91	629	27.795	1.65	726	16.257	.88
512	27.965	.67	808	27.720	-.29	045	27.450	-.94	688	27.500	.68	032	15.630 R	.59
171	28.050	.61	132	27.700	-.31	615	27.565	-.95	619	27.450	.44	015	15.385	.37
726	28.086	.59	357	27.690	-.32	226	27.400	-1.02	Avg	27.339		354	15.350	.35
674	27.940	.55	106	27.705	-.35	242	27.380	-1.04	628	27.160	-.66	033	15.300	.32
003	27.850	.49	504	27.805	-.38	051	27.390	-1.05	675	27.145	-.70	Avg	14.764	
806	27.990	.48	098	27.750	-.39	781	27.355	-1.10	727	27.325	-.81	164	14.700	-.04
148	28.015	.43	673	27.650	-.43	202	27.405	-1.11	729	26.995	-1.24	337	14.620	-.14
505	28.000	.42	413	27.650	-.43	142	27.350	-1.11	--	Method 002.11	--	190	14.495	-.16
590	28.000	.41	588	27.630	-.46	278	27.350	-1.11	724	29.190	1.76	353	14.385	-.25
670	28.000	.41	573	27.630	-.51	100	27.350	-1.14	713	28.510	1.06	563	14.230	-.32
160	28.000	.39	774	27.595	-.54	038	27.330	-1.16	588	28.435	.98	848	14.290	-.32
787	27.945	.36	013	27.795	-.57	185	27.330	-1.16	178	28.350 R	.92	142	14.500 R	-.33
567	27.950	.30	014	27.705	-.57	417	27.305	-1.23	567	28.100	.63	152	14.200	-.34
510	27.950	.30	229	27.580	-.58	857	27.380	-1.26	672	28.090	.62	509	14.165	-.35
619	27.900	.28	021	27.640	-.59	792	27.285	-1.26	011	28.050	.58	527	13.965	-.47
042	27.900	.26	843	27.705	-.59	630	27.325	-1.28	536	27.620	.21	345	13.550	-.72
554	27.920	.26	609	27.570	-.60	592	27.265	-1.31	688	27.500	.01	616	11.835	-1.73
345	27.935	.24	034	27.565	-.61	358	27.420 R	-1.35	Avg	27.729		265	11.080	-2.17
571	27.928	.23	017	27.710	-.62	121	27.255	-1.36	628	27.450	-.05	--	Method 003.01	--
737	27.885	.23	589	27.570	-.62	756	27.110	-1.66	553	26.920	-.60	504	13.295	.71
096	27.880	.22	337	27.575	-.64	138	27.070	-1.76	731	26.680	-.86	--	Method 003.04	--
010	27.915	.20	610	27.550	-.66	366	27.250 R	-2.19	573	26.200	-1.34	681	15.450	.71
814	27.900	.20	026	27.545	-.66	074	26.775	-2.44	032	26.130 S	-1.42			
529	27.850	.19	300	27.535	-.70	672	26.750	-2.51	665	26.040 S	-1.51			
119	27.885	.16	720	27.531	-.71	004	26.045 s	-4.15						
205	27.895	.16	353	27.650	-.71	049	26.010 s	-4.22						
Avg	27.830		676	27.538	-.72	687	24.050 s	-8.72						
783	27.795	-.08	747	27.515	-.73									

* 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 003.09	--	--	Method 003.11	--	--	Method 003.99	--	--	Method 004.00	--
199	18.550 s	5.29	722	13.878	-.67	567	15.100	-.49	630	18.145	2.11	425	0.5500 S	-3.18
122	17.690 s	4.17	673	13.600	-.82	588	15.090	-.50	Avg	15.248				
574	15.645	1.52	633	11.781	-1.79	688	14.200	-1.05	693	14.820	-.34	--	Method 004.01	--
083	15.600	1.47	--	Method 003.10	--	713	13.900 R	-1.28	724	14.735	-.37	855	3.3050 S	1.66
625	15.465	1.27	653	19.110	2.28	672	12.955	-1.81	737	14.695	-.40	366	2.6000	.71
588	15.385	1.16	609	18.290	1.83	--	Method 003.12	--	546	14.520	-.55	Avg	2.6000	
305	15.075	.76	042	17.690	1.51	628	16.025	1.19	787	14.570	-.57	--	Method 004.03	--
682	14.810	.41	651	16.161	.65	Avg	14.965		613	9.7450 S	-4.03	679	2.3950	1.24
294	14.805	.41	119	15.890	.50	520	14.800	-.23	712	9.8950 S	-4.12	Avg	1.9383	
731	14.705	.27	062	15.643	.37	670	14.070	-1.01	--	Method 004.00	--	045	1.8000	-.46
669	14.645	.22	623	15.553	.32	357	10.000 S	-5.60	509	3.1750 s	4.04	619	1.6200	-.86
229	14.540	.16	727	15.519	.31	--	Method 003.13	--	511	2.8500	3.14			
688	14.600	.14	Avg	14.980		--	Method 003.14	--	265	2.4450 R	2.17	--	Method 004.06	--
Avg	14.494		233	14.880	-.06	646	16.405	1.26	647	2.0900 R	1.39	672	2.6500 s	3.42
148	14.260	-.31	619	14.850	-.11	Avg	15.033		695	2.1550	1.23	588	2.4850	2.35
185	14.255	-.31	089	14.765	-.12	205	14.520	-.47	226	2.1000	1.12	552	2.3350	1.78
647	14.240	-.35	160	14.615	-.20	660	14.175	-.82	208	1.8900	.54	674	2.2700	1.55
074	14.235	-.35	598	14.595	-.21	--	Method 003.14	--	510	1.9000	.53	625	2.2250	1.37
511	14.230	-.37	855	14.550	-.24	--	Method 003.14	--	337	1.8700	.45	609	2.2200	1.36
297	13.805	-.92	720	14.600 R	-.27	843	18.355	2.34	309	1.7850	.41	675	2.1800	1.28
552	13.660	-1.09	208	14.400	-.32	413	16.000	1.05	563	1.8468	.39	620	2.0910	.86
689	13.300	-1.56	242	14.130	-.47	049	15.565 R	.85	175	1.8100	.34	621	2.0750	.80
621	12.625	-2.44	045	13.850	-.63	529	14.820	.35	559	1.7700	.30	673	2.0500	.73
--	Method 003.07	--	718	13.465	-.84	175	14.750	.32	190	1.7750	.26	722	2.0343	.69
651	14.762	.71	695	13.475 R	-.85	278	14.650	.26	345	1.7500	.18	038	1.9900	.61
--	Method 003.09	--	618	12.323	-1.47	853	14.495	.18	354	1.7150	.13	638	1.9000	.40
860	19.120	2.13	591	12.315	-1.47	144	14.445	.14	Avg	1.7060		029	1.8750	.21
554	18.160	1.62	363	11.995	-1.65	021	14.350	.10	726	1.6872	-.17	710	1.8950	.13
674	16.375	.69	--	Method 003.11	--	Avg	14.188		015	1.6500	-.21	Avg	1.8619	
590	15.385	.17	553	18.735	1.75	185	13.555	-.36	164	1.6500	-.21	716	1.8400	-.14
354	15.135	.01	573	17.950	1.26	567	12.800	-.81	171	1.5800	-.38	633	1.8276	-.15
Avg	15.130		724	16.890	.61	108	12.725	-.83	034	1.4700	-.65	205	1.8300	-.16
675	15.110	-.10	178	16.600	.47	550	12.488	-.95	706	1.4250	-.77	098	1.8400	-.31
620	14.931	-.15	032	16.600	.45	581	11.010	-1.78	504	1.3650	-.97	027	1.7765	-.33
121	14.550	-.32	Avg	15.899		199	1.3450	-.99	199	1.3450	-.99	848	1.7750	-.34
358	14.385	-.42	628	15.415	-.30	042	1.1950	-1.41	042	1.1950	-1.41	689	1.7500	-.46
849	14.285	-.45	011	15.350	-.34	132	1.1900	-1.43	132	1.1900	-1.43	591	1.7400	-.48
						169	1.1700	-1.47	169	1.1700	-1.47	723	1.7150	-.56

* 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 004.06	--	--	Method 004.07	--	--	Method 004.99	--	--	Method 005.00	--	--	Method 005.00	--
860	1.7000	-.61	026	1.7700	-.17	727	4.3820 S	5.98	645	5.7500	.88	035	5.6650	-.05
656	1.7050	-.65	074	1.7050	-.28	536	2.5550	1.77	366	5.7500	.88	160	5.6600	-.12
607	1.6847	-.74	160	1.6900	-.33	693	2.1200 R	.96	045	5.7200	.87	033	5.6550	-.18
350	1.6541	-.78	144	1.6650	-.40	Avg	1.7820		646	5.7600	.86	591	5.6500	-.19
178	1.6500	-.82	307	1.7500	-.45	613	1.7050	-.18	588	5.7600	.84	354	5.6500	-.19
688	1.6500	-.82	529	1.6250	-.51	628	1.6950	-.20	305	5.7600	.84	229	5.6500	-.19
731	1.6350	-.91	708	1.6000	-.58	629	1.6500	-.30	848	5.7550	.81	552	5.6450	-.22
849	1.5450	-1.20	520	1.5900	-.61	724	1.3050	-1.09	504	5.7200	.80	029	5.6450	-.25
590	1.5000	-1.36	035	1.5350	-.76				205	5.7390	.66	625	5.6400	-.27
653	1.4600	-1.51	682	1.5000	-.86	--	Method 005.00	--	132	5.7350	.65	661	5.6400	-.27
610	1.4000	-1.78	013	1.4450	-1.02	401	7.4500 s	16.30	590	5.7300	.63	505	5.6400	-.27
--	Method 004.07	--	032	1.4250	-1.07	425	7.1950 s	13.96	729	5.7350	.63	731	5.6400	-.27
278	10.450 s	24.35	646	1.3700	-1.23	527	6.2650 s	5.46	034	5.7350	.61	550	5.6425	-.28
581	7.2000 s	15.20	567	1.3700	-1.23	720	6.1900 s	5.11	849	5.7350	.61	026	5.6350	-.31
610	5.4500 s	10.61	098	1.3950	-1.23	265	6.0200 s	3.24	027	5.7115	.61	607	5.6336	-.33
019	2.7750 R	2.85	242	1.3600	-1.25	294	5.9750	2.81	650	5.7100	.60	808	5.6300	-.36
021	2.5650	2.14	100	1.2050	-1.70	185	5.9400	2.49	722	5.7317	.58	783	5.6300	-.39
413	2.5500	2.14	718	1.1050	-1.99	337	5.8750 R	2.31	187	5.7250	.52	345	5.6500	-.40
407	2.5350	2.06	028	0.1500 s	-4.66	567	5.9000	2.12	175	5.6900	.50	098	5.6250	-.42
122	2.2100	1.14	--	Method 004.11	--	682	5.8900	2.03	510	5.7200	.48	620	5.6665	-.44
185	2.1800	1.07	553	2.1600	1.74	119	5.8800	1.99	148	5.7200	.47	353	5.6500	-.49
229	2.0500	.81	536	2.0650	1.40	019	5.8500	1.66	242	5.7150	.45	142	5.6500	-.49
004	2.0900	.80	672	1.8350	.55	695	5.8350	1.64	855	5.7150	.43	647	5.6500	-.49
505	2.0550	.71	724	1.8100	.46	108	5.8400	1.60	062	5.7100	.38	164	5.6150	-.51
096	2.0500	.70	731	1.7900	.39	621	5.8300	1.55	121	5.6790	.35	747	5.6150	-.51
121	2.0300	.69	588	1.7850	.37	656	5.8300	1.51	669	5.6750	.33	520	5.6300	-.51
042	2.0200	.66	Avg	1.6850		710	5.8050	1.25	179	5.7000	.30	038	5.6550	-.52
011	2.0000	.62	628	1.6550	-.11	309	5.7800	1.21	622	5.7008	.30	199	5.6550	-.52
554	2.0000	.62	713	1.5700	-.42	689	5.7850	1.09	559	5.6800	.29	541	5.6200	-.52
003	1.9750	.48	688	1.5500	-.53	619	5.7650	1.02	171	5.6950	.28	407	5.6200	-.52
686	1.9500	.42	178	1.5000 R	-.77	307	5.7600	1.00	363	5.6700	.27	089	5.6050	-.58
669	1.9250	.35	032	1.4000	-1.05	358	5.7700	1.00	001	5.6900	.27	616	5.6050	-.59
294	1.9050	.28	573	1.3500	-1.24	723	5.7750	.98	706	5.6950	.25	828	5.6550	-.61
300	1.8100	.17	567	1.2500	-1.61	226	5.7000 R	.96	676	5.6940	.24	357	5.6000	-.62
598	1.8150	.13				152	5.7000 R	.96	278	5.6800	.21	413	5.6000	-.62
Avg	1.8051					679	5.7700	.94	651	5.6790	.16	712	5.6600	-.64
033	1.8000	-.03				202	5.7700	.93	004	5.6700	.09	670	5.6000	-.65
089	1.7800	-.08				563	5.7650	.91	629	5.6700	.02	300	5.5950	-.67
						688	5.7500	.88	Avg	5.6682		529	5.5950	-.67

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 005.00	--	--	Method 005.03	--	--	Method 008.02	--	--	Method 008.08	--	--	Method 009.09	--
139	5.5900	-0.72	737	5.4100 X	.71	527	5.7900 s	8.02	294	2.0050	-1.13	Avg	9.0241	
660	5.5850	-0.77	--	Method 005.11	--	045	5.3000 s	6.77	686	1.9550	-1.19	686	8.4900	-0.56
598	5.5850	-0.77	--	Method 005.11	--	171	3.4550	1.97	--	Method 008.99	--	037	8.3750	-0.69
138	5.5750	-0.88	724	6.4600 S	1.12	148	3.2300	1.39	--	Method 008.99	--	294	8.2250	-0.84
417	5.5800	-0.89	731	6.4150 S	1.00	098	2.8500	.56	718	12.610 S	18.33	164	7.7500	-1.34
674	5.6300	-0.89	672	6.3100 S	.86	187	2.8050	.30	307	9.7000 S	13.49	646	7.4950	-1.60
539	5.6050	-0.90	713	6.2600 S	.68	038	2.7650	.19	297	3.3800	1.11	413	7.3500	-1.76
049	5.5850	-0.91	Avg	5.7538		Avg	2.6928		610	3.2500	.72	--	Method 009.99	--
015	5.5850	-0.91	628	6.0550 S	-0.18	675	2.6300	-0.26	Avg	2.8975		610	16.650 S	20.29
623	5.5607	-0.98	688	5.9500	-0.51	309	2.6500	-0.33	358	2.7050	-0.38	718	8.3100	.52
630	5.6350 R	-1.01	588	5.8250	-0.65	504	2.6800	-0.52	693	2.2550	-1.26	619	8.1150	.35
756	5.5500	-1.08	178	5.8000	-1.10	226	2.5000	-0.72	--	Method 009.04	--	Avg	8.0933	-1.45
633	5.5500	-1.08	536	5.4400	-1.77	405	2.5600 R	-0.87	726	13.516	.86	693	7.8550	-1.45
672	5.6000 R	-1.11	573	4.6000 S	-4.05	726	2.3383	-0.93	Avg	12.588		--	Method 010.03	--
675	5.5450	-1.13	--	Method 005.99	--	619	2.3300	-0.94	504	11.660	-0.87	--	Method 010.03	--
178	5.5500	-1.17	--	Method 005.99	--	353	2.0800	-1.59	--	Method 009.07	--	027	7.9600	.81
806	5.5550	-1.24	574	5.9150	1.75	--	Method 008.05	--	--	Method 009.07	--	843	7.4750	.47
774	5.5300	-1.32	727	5.8745	1.49	265	4.3000	.71	307	13.350 S	2.45	Avg	6.8150	
021	5.5600 R	-1.41	628	5.8400	1.25	--	Method 008.08	--	045	11.250	1.13	618	5.3423 S	-1.27
781	5.5350	-1.50	546	5.7100	.77	--	Method 008.08	--	297	11.120	1.07	826	5.0100	-1.27
853	5.5100	-1.58	693	5.7250	.75	510	5.1500	2.65	309	10.650	.85	546	3.8200 S	-2.11
083	5.5000	-1.60	096	5.7000	.74	049	3.8800 R	2.38	Avg	8.8371		--	Method 010.11	--
615	5.4950	-1.62	681	5.7100	.56	278	4.0000	1.27	226	8.8000	-0.23	573	10.350	2.09
100	5.4900	-1.63	724	5.7300	.53	001	3.9950 X	1.27	098	7.3500	-0.70	553	9.5000	1.09
686	5.4900	-1.63	716	5.7000	.33	413	3.8000	1.05	187	6.7500	-0.98	536	8.8200	.29
814	5.4900	-1.67	Avg	5.6492		106	3.3850	.53	353	5.9400	-1.36	178	8.6000 R	.24
718	5.4600	-1.92	122	5.6350	-0.10	357	3.1500	.39	--	Method 009.09	--	672	8.6550	.09
761	5.4550	-1.95	663	5.6100	-0.27	Avg	2.9439		278	10.200	1.38	Avg	8.5750	
297	5.4500	-2.05	673	5.6000	-0.32	033	2.9350	-0.03	265	9.9000	1.11	567	8.5500	-0.07
144	5.4600 s	-2.70	065	5.5809	-0.45	581	2.7900	-0.19	106	9.8750	.89	731	8.3800	-0.23
726	5.3458	-2.95	652	5.5500	-0.73	026	2.7600	-0.22	049	9.6150	.82	688	8.3000	-0.32
609	5.2850 s	-3.78	208	5.5050	-0.97	202	2.7100	-0.28	357	9.7500	.78	628	8.2800	-0.35
618	4.8634 s	-7.38	536	5.4750	-1.20	037	2.5950	-0.42	510	9.6500	.66	713	8.0050 R	-0.69
350	3.2463 s	-31.80	573	5.4300	-1.44	164	2.5500	-0.48	185	9.5350	.61	724	7.6700	-1.06
--	Method 005.02	--	826	5.3950	-1.71	354	2.3950	-0.66	202	9.5050	.53	588	7.2450	-1.56
610	5.6650	.71	--	Method 005.99	--	004	2.3950	-0.67	354	9.3450	.34			
			646	2.1150	-0.99	185	2.3050	-0.77	581	9.3250	.32			

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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 011.99	--	--	Method 012.99	--	
527	9.8350	1.76	559	9.3600	.95	761	8.9650	-0.16	727	7.3700	S	619	37.100	.00	
621	9.1550	1.10	814	9.3700	.92	563	8.9425	-0.18	--	Method 012.00	--	--	Method 013.02	--	
047	8.8500	.80	737	9.3500	.87	160	8.9300	-0.22	722	42.027	s	706	19.600	2.01	
724	8.8450	.79	539	9.3500	.87	828	8.9350	-0.29	354	33.425		676	19.508	1.92	
417	8.6900	R	300	9.3400	.85	653	8.9050	-0.29	567	33.350		038	19.205	1.44	
673	8.7000	.65	205	9.2945	.79	226	8.9000	-0.38	716	32.900		682	19.140	1.35	
716	8.5500	.51	185	9.3150	.78	233	8.8500	-0.41	689	32.800		171	18.980	1.14	
190	8.4700	.43	591	9.3050	.75	242	8.8100	-0.53	Avg	32.654		675	18.855	.96	
860	8.4200	.38	108	9.2850	.71	682	8.8000	-0.54	559	32.650		004	18.815	.89	
529	8.3400	.32	848	9.2600	.65	647	8.8050	-0.58	672	31.950		033	18.740	.79	
652	8.3500	.32	407	9.2550	.63	363	8.7750	-0.61	178	31.500		139	18.745	.79	
003	8.3200	.28	026	9.2450	.60	062	8.7255	-0.73	--	Method 012.01	--	808	18.720	.78	
028	8.2150	.19	573	9.2275	.60	098	8.8500	R	-0.76	--	Method 012.03	--	792	18.730	.77
718	8.2100	.18	781	9.1829	.54	843	8.7150	-0.78	686	31.530		164	18.695	.72	
337	8.0550	.05	164	9.2200	.54	358	8.6500	-0.94	Avg	29.980		425	18.660	.67	
726	8.0660	.04	625	9.1800	.53	706	8.6300	-0.97	179	29.305		826	18.650	.65	
Avg	8.0279		100	9.1350	.49	021	8.6200	-1.00	185	29.105		505	18.625	.64	
065	7.8400	-0.18	823	9.1500	.38	229	8.6350	-1.03	--	Method 012.04	--	814	18.375	.26	
629	7.8500	-0.20	350	9.1556	.37	620	8.5443	-1.19	106	32.800	R	747	18.375	.26	
037	7.8550	-0.21	756	9.1450	.37	622	8.5431	-1.19	160	32.055		828	18.300	.23	
712	7.1450	R	792	9.1450	.35	144	8.5300	-1.23	353	31.325		510	18.200	.02	
039	6.9835	-1.02	511	9.1450	.35	132	8.4600	-1.41	Avg	31.083		Avg	18.188		
628	6.5250	-1.46	660	9.1300	.32	623	8.4495	-1.44	278	30.600		806	18.150	-0.06	
168	6.2100	R	670	9.1250	.29	004	8.3850	-1.62	510	30.350		823	18.150	-0.09	
613	5.6000	-2.36	675	9.1200	.29	722	8.3358	-1.72	--	Method 012.11	--	761	18.120	-0.10	
401	5.5800	-2.38	552	9.0150	.27	179	8.1850	-2.11	--	Method 012.11	--	650	18.115	-0.11	
--	Method 011.01	--	806	9.0550	.25	034	8.1300	-2.25	588	32.270		035	18.050	-0.21	
121	9.8560	2.17	202	9.1000	.24	710	8.0350	-2.49	672	32.010		208	18.050	-0.21	
574	9.7450	1.91	171	9.0850	.24	598	7.8400	-2.99	Avg	31.155		034	18.000	-0.27	
808	9.5600	1.41	309	9.1000	.24	294	7.5800	s	-3.65	178	30.500		559	18.075	-0.27
305	9.5250	R	510	9.1000	.23	646	7.1400	s	-4.78	731	29.840		121	18.110	-0.29
747	9.5350	1.34	855	9.0900	.21	119	7.0100	s	-5.11	536	19.895	S	098	18.100	-0.31
541	9.5250	1.33	175	9.0500	.16	122	6.5500	s	-6.29	--	Method 012.11	--			
633	9.5285	1.33	148	9.0550	.15	774	6.2700	s	-10.46	588	32.270				
650	9.4100	1.02	Avg	9.0099		--	Method 011.99	--	.82	672	32.010				
520	9.3950	1.00	152	9.0000	-0.03	--	Method 011.99	--	.98	Avg	31.155				
208	9.4000	1.00	354	9.0000	-0.08	857	8.9000			178	30.500				
051	9.3750	.98	033	8.9750	-0.10	Avg	8.4450			731	29.840				
			138	8.9750	-0.11	265	7.9900			536	19.895	S			

* 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 013.02	--	--	Method 013.10	--	--	Method 015.00	--	--	Method 019.00	--	--	Method 019.01	--
855	17.975	-0.31	504	17.560	-0.48	520	33.500	1.88	681	1.1000	.49	350	1.0780	-0.15
017	17.905	-0.40	638	17.500	-0.65	345	30.520	1.21	716	1.1000	.46	026	1.0750	-0.21
039	17.933	-0.43	663	17.385	-0.75	021	25.950	.71	647	1.0800	.21	656	1.0750	-0.21
774	17.940	-0.43	673	17.250	-0.97	353	25.355	.66	651	1.0735	.17	305	1.0750	-0.21
511	17.790	-0.60	716	17.210	-1.04	560	27.800	.62	620	1.0794	.16	731	1.0800	-0.22
013	17.745	-0.63	688	17.200	-1.06	011	25.654	.11	Avg	1.0713		139	1.0800	-0.28
229	17.480	-1.00	723	17.185	-1.07	Avg	25.203		849	1.0600	-.37	669	1.0830	-0.29
853	17.475	-1.08	591	17.415 R	-1.91	049	24.705	-.18	689	1.0600	-.37	098	1.0750	-0.36
029	17.615 R	-1.16	350	16.441	-2.27	510	22.500	-.62	622	1.0187	-.84	039	1.0645	-0.40
100	17.330	-1.27				616	21.450	-.88	633	1.0077	-1.02	038	1.0650	-0.40
645	17.150	-1.47	--	Method 013.11	--	164	20.000	-1.20	625	0.9750 R	-1.95	619	1.0650	-0.40
011	17.100	-1.60	417	18.590	.71	169	19.800	-1.23	621	0.9100	-2.59	233	1.0650	-0.50
337	17.150 R	-1.68	--	Method 013.12	--	--	Method 016.00	--	--	Method 019.01	--	178	1.0600	-0.54
026	16.960	-1.75	--	Method 013.12	--	--	Method 016.00	--	--	Method 019.01	--	018	1.0550	-0.80
148	16.725	-2.08	536	19.265	.96	619	0.0640	-.71	591	2.1750 s	22.91	609	1.0600	-0.80
169	16.585	-2.27	731	19.075	.85	--	Method 017.00	--	720	1.3000 s	4.55	169	1.0450	-0.82
616	16.460	-2.45	Avg	17.509		--	Method 017.00	--	122	1.2900 s	4.35	363	1.0450	-0.82
--	Method 013.03	--	588	16.445	-.58	353	4.7650	2.05	529	1.2200 R	3.05	670	1.0805	-0.89
591	7.0700 S	.00	672	15.250	-1.23	345	3.3350	.31	674	1.1700 R	2.47	563	1.0435	-0.90
--	Method 013.10	--	--	Method 013.13	--	045	3.1850	.23	019	1.1650	1.86	010	1.0800 R	-1.05
028	19.090	2.00	Avg	19.420		Avg	3.1157		152	1.1550	1.50	014	1.0220	-1.32
652	18.950	1.78	042	19.420	-.71	693	3.0550	-.24	034	1.1500	1.39	612	1.0100	-1.55
178	18.550 R	1.54	581	15.225 S	-10.99	560	2.8250	-.38	588	1.1465	1.33	142	1.0000	-1.75
539	18.550	1.24	--	Method 013.99	--	358	2.3600	-.94	013	1.1400	1.26	505	0.9950	-1.86
185	18.415	.91	628	19.135	1.44	510	2.2850	-1.03	650	1.1400	1.26	278	1.0000	-1.86
042	18.330	.77	065	18.853	1.19	049	2.7000 R	-1.19	001	1.1390	1.16	687	0.9900	-1.98
307	18.100	.76	051	18.655	1.02	--	Method 017.99	--	504	1.1305	1.10	108	0.8050 s	-5.89
096	18.300	.74	848	17.730	.25	307	4.3000	.71	710	1.1350	1.08	--	Method 019.02	--
062	18.124	.45	Avg	17.456		--	Method 018.02	--	675	1.1250	.87	536	1.0850	.71
032	18.055	.35	407	17.455	-.18	011	0.0305	.71	307	1.1150	.73	--	Method 019.03	--
629	17.905	.11	047	17.150	-.27	--	Method 019.00	--	723	1.1175	.71	036	1.1785	1.22
160	17.920	.11	689	17.100	-.30	--	Method 019.00	--	205	1.1110	.57	307	1.1900	1.20
Avg	17.852		106	17.050	-.41	552	1.4550 s	6.16	036	1.1075	.51	508	1.1388	.39
660	17.840	-.07	665	16.000	-1.24	623	1.1546	1.33	638	1.1000	.40	Avg	1.1375	
672	17.850	-.08	679	15.435	-1.73	175	1.1250	1.12	263	1.1011	.37	208	1.1225	-.33
353	17.845	-.15				646	1.1300	.95	722	1.0999	.35	026	1.1050	-.65
610	17.600	-.44				679	1.1000	.56	035	1.1000	.34	686	1.0900	-1.37

* 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 019.05	--	--	Method 019.05	--	--	Method 019.09	--	--	Method 021.01	--	--	Method 022.01	--
265	1.3450 s	3.59	229	1.0300	-1.22	567	1.0900	-0.64	628	5.0000 S	12.35	628	16.500	-0.28
208	1.2970 s	2.84	144	1.0350	-1.25	045	1.0900	-0.64	619	1.1400	.98	014	16.500	-0.28
706	1.3000	2.71	051	1.0250 R	-1.69	726	1.0866	-0.67	563	0.9245	.36	208	16.500	-0.28
242	1.2550	2.06	645	0.9500	-2.38	190	1.0850	-0.71	722	0.8619	.30	035	16.000	-0.34
682	1.2400	1.84	661	0.8450 s	-3.91	848	1.0800	-0.80	Avg	0.8066		278	15.650	-0.55
185	1.1820	1.01	405	0.6250 s	-7.11	345	1.0750	-0.90	689	0.3000	-1.52	646	15.175	-0.79
520	1.1500 R	.90				560	1.0750	-0.90				505	15.000	-0.88
294	1.1700	.83	--	Method 019.08	--	572	1.0500	-1.51	--	Method 021.02	--	590	14.550	-1.12
511	1.1600	.74	689	1.2000	1.61	038	1.0250	-1.89	029	1.1705 R	11.74	710	14.500	-1.18
171	1.1600	.69	138	1.1050	.42	047	1.0400 R	-1.98	171	0.2650	1.32	722	14.402	-1.21
510	1.1600	.69	848	1.1150	.34				038	0.2000	.56	305	14.135	-1.35
550	1.1565	.63	673	1.1000	.11	--	Method 019.99	--	011	0.1770	.31	716	14.000	-1.42
598	1.1550	.61	Avg	1.0925		724	1.4700 S	4.01	572	0.1610	.14	504	13.500	-1.71
029	1.1530	.58	607	1.0876	-0.18	588	1.2705	1.72	Avg	0.1513		689	13.000 R	-2.04
358	1.1250	.54	590	1.0700	-0.37	613	1.1650	1.00	504	0.1050	-0.56	307	10.800 s	-4.65
089	1.1500	.53	729	0.9700	-1.85	692	1.1450	.58	616	0.0000	-1.74			
413	1.1450	.51				Avg	1.1221					--	Method 022.03	--
425	1.1400	.38	--	Method 019.09	--	629	1.1050	-0.21	--	Method 021.99	--	171	27.500 S	5.81
148	1.1360	.33	016	1.3250 s	4.17	065	1.0863	-0.47	607	0.1764	.71	187	27.050 S	5.58
226	1.1200	.31	042	1.2350	2.27	693	1.0405	-0.94				003	26.000 S	5.06
004	1.1155	.18	160	1.2301	2.17	121	1.0425	-1.03	--	Method 022.01	--	242	25.500 S	4.84
860	1.1200	.17	353	1.1950 R	1.94	676	0.8030 S	-3.69	178	26.000 s	5.10	598	22.000 S	3.93
Avg	1.1135		017	1.2050	1.73	665	0.7500 S	-4.29	619	20.800	2.26	004	22.000	2.97
187	1.1050	-0.14	028	1.1700 R	1.53				588	20.500	2.11	144	20.750 S	2.70
164	1.0900	-0.37	366	1.1600	.80	--	Method 020.00	--	013	19.850	1.75	511	20.500	2.22
011	1.0826	-0.45	027	1.1525	.64	164	1.4000	.00	674	18.080	.79	029	17.900	.98
026	1.0795	-0.50	616	1.1350	.57				731	17.965	.73	512	16.635 R	.88
695	1.0750	-0.57	202	1.1450	.49	--	Method 020.01	--	638	17.800	.64	405	17.500	.70
049	1.0800	-0.57	309	1.1255	.47	096	1.5000	1.23	175	17.500	.54	164	17.500	.70
074	1.0950	-0.58	357	1.1350	.41	508	1.7715	1.06	098	17.550	.53	098	17.450	.63
098	1.0750	-0.60	035	1.1400	.38	011	1.3433	.26	563	17.225	.39	550	17.306	.58
610	1.0700	-0.65	199	1.1365	.31	Avg	1.3233		529	17.100	.37	695	17.000	.40
083	1.0850	-0.66	106	1.1300	.27	171	1.2500	-0.21	591	17.190	.37	049	16.750	.35
003	1.0750	-0.67	628	1.1250	.13	560	0.7515	-1.33	350	17.300	.37	520	16.500	.29
300	1.0700	-0.86	Avg	1.1207					669	16.870	.30	229	16.500	.29
407	1.0500	-0.92	186	1.1100	-0.29	--	Method 020.99	--	354	16.885	.15	148	16.745	.27
297	1.0450	-1.00	021	1.1100	-0.29	616	1.3800	.71	675	16.635	.11	Avg	16.229	
512	1.0395	-1.09	037	1.1065	-0.33				Avg	16.626		011	16.179	-0.26
553	1.0400	-1.11	096	1.1000	-0.41				038	16.500	-0.28	358	15.675	-0.34

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 022.03	--	--	Method 022.05	--	--	Method 025.01	--	--	Method 025.03	--	--	Method 025.05	--
083	15.500	-.46	045	15.750	-.74	731	205.93	.25	553	197.00	-.20	096	185.00	-1.51
553	15.300	-.48	616	15.550	-.87	619	204.50	.17	171	197.00	-.20	169	132.00	-4.44
074	16.000	-.53	038	15.550	-.93	Avg	202.48		610	193.00	-.31	--	Method 025.99	--
610	15.100	-.58	353	15.460	-.94	591	199.56	-.16	300	191.60	-.42	693	206.00	.88
100	15.000	-.63	860	15.342	-1.00	638	198.00	-.29	026	192.00	-.49	607	205.09	.78
297	15.000	-.63	567	15.000	-1.22	505	200.00	-.30	049	195.99	-.56	121	197.40	.60
510	15.000	-.63	199	14.710	-1.41	710	185.00	-.94	074	191.00	-.72	Avg	192.30	
226	15.000	-.82	169	8.3000	-5.51	350	181.85	-1.11	144	184.10	-.88	692	176.00	-.99
026	14.650	-.83	--	Method 022.99	--	014	180.50	-1.25	550	176.95	-1.33	613	177.00	-1.33
629	14.500	-.89	607	17.356	1.37	670	176.59	-1.40	629	170.00	-1.78	--	Method 026.00	--
208	14.500	-.93	692	16.750	.92	563	168.83	-1.82	168	164.75	-2.20	689	0.2000	.00
185	16.000	R -1.04	693	15.410	.03	716	169.00	-1.82	358	162.49	-2.25	--	Method 026.99	--
300	14.140	-1.14	Avg	15.376		354	167.10	-1.91	003	145.00	-4.22	508	0.4475	.87
265	13.000	-1.66	121	14.674	-.55	305	118.15	-4.55	187	131.23	-4.25	Avg	0.2238	
407	2.3300	-7.16	613	14.900	-.56	674	99.570	-5.71	--	Method 025.05	--	619	0.0000	-.86
--	Method 022.05	--	846	13.165	-1.47	--	Method 025.03	--	508	235.30	R 1.84	--	Method 027.01	--
017	27.500	s 6.79	--	Method 023.01	--	265	494.50	s 20.96	294	236.90	1.52	337	0.1390	s 5.19
160	21.330	2.84	619	0.0010	.00	029	240.45	s 3.04	042	235.50	1.43	278	0.1150	1.50
726	20.289	2.17	--	Method 025.01	--	510	235.00	2.38	353	235.95	1.37	169	0.1150	1.50
345	18.905	1.30	098	236.00	R 1.98	208	220.50	1.46	017	231.00	1.21	646	0.1150	1.50
294	18.700	1.15	013	232.50	1.75	148	214.55	1.07	616	226.50	1.01	628	0.1146	1.19
202	18.000	.70	689	229.00	1.45	083	212.00	.93	366	223.50	.92	731	0.1135	1.01
035	18.000	.70	529	221.70	1.05	011	211.49	.92	199	227.40	.89	307	0.1075	R .90
027	17.780	.65	628	219.50	.92	520	209.00	.84	160	224.00	.72	588	0.1125	.85
413	17.250	.36	675	217.28	.80	695	210.50	.81	726	219.47	.44	208	0.1125	.85
560	17.250	.24	646	214.90	.75	405	205.50	.57	511	214.00	.13	650	0.1103	.49
096	17.000	.06	653	215.52	.73	098	201.35	.54	413	212.50	.05	529	0.1100	.44
Avg	16.901		669	214.34	.65	512	204.70	.44	Avg	211.66		035	0.1100	.44
508	16.845	-.06	722	213.92	.64	407	204.00	.40	038	211.00	-.07	563	0.1093	.35
106	16.700	-.13	504	206.50	.56	229	198.00	.38	037	205.55	-.36	038	0.1080	.34
042	16.600	-.23	208	211.50	.49	226	199.50	.37	045	205.00	-.41	591	0.1085	.31
190	16.480	-.27	504	206.50	.56	164	201.50	.24	021	207.50	-.48	350	0.1084	.17
366	16.500	-.41	208	211.50	.49	100	199.00	.21	567	196.00	-.92	139	0.1081	.15
357	16.500	-.41	278	204.00	.49	242	198.50	.17	309	195.30	-.92	619	0.1075	.09
572	16.500	-.46	175	203.00	.49	004	198.00	.13	106	198.00	-.94	Avg	0.1073	
037	16.210	-.51	035	211.00	.47	Avg	197.81		190	193.42	-1.02	--	Method 026.99	--
021	16.100	-.55	307	210.00	.42	598	195.50	-.15	345	187.55	-1.35	508	0.4475	.87
309	16.020	-.59	038	208.00	.40	297	197.50	-.16	560	185.50	-1.47	Avg	0.2238	

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 027.01	--	--	Method 027.03	--	--	Method 027.99	--	--	Method 028.03	--	--	Method 028.05	--
722	0.1069	-.13	026	0.1040	-.95	588	0.1275	1.16	550	30.741	2.68	294	35.450 s	5.32
263	0.1064	-.16	049	0.1050	-1.05	692	0.1200	.55	265	29.500	2.10	035	34.500 s	4.75
653	0.1070	-.17	100	0.1050	-1.05	Avg	0.1133		510	29.000	1.85	508	31.766 s	4.46
504	0.1055	-.31	144	0.1050	-1.05	693	0.1080	-.44	003	28.500 R	1.76	366	28.500 R	2.39
505	0.1050	-.41	226	0.1050	-1.05	065	0.0976	-1.28	148	27.550	1.17	160	30.250	2.18
305	0.1050	-.90	358	0.1050	-1.05	--	Method 028.01	--	171	27.000	.92	186	29.000	1.53
014	0.1015	-.98	413	0.1050	-1.05	722	32.000	1.85	011	26.878	.86	572	27.100	1.30
142	0.1000	-1.20	229	0.1050	-1.05	628	30.500	1.50	083	26.500	.72	357	28.500	1.14
098	0.1000	-1.20	300	0.1070 R	-1.08	013	29.450 R	1.37	029	26.055	.65	045	27.250	1.06
675	0.1000	-1.20	407	0.1020	-1.21	035	29.500	1.27	598	26.000	.65	042	27.650	.58
710	0.0950	-2.18	405	0.1100 R	-1.35	563	28.825	1.11	098	26.000	.45	021	27.400	.43
175	0.0950	-2.18	553	0.1010	-1.35	038	28.000	.92	242	25.500	.32	106	27.400	.43
609	0.0800 s	-4.47	--	Method 027.05	--	619	27.450	.80	520	25.500	.32	726	27.342	.41
--	Method 027.03	--	572	0.5620 s	81.99	529	26.600	.61	Avg	25.042		027	27.265	.39
695	0.2450 s	17.99	160	0.1344	2.81	504	26.000	.52	004	25.000	-.02	190	27.335	.39
265	0.1300	2.55	042	0.1235	1.43	307	25.150	.50	511	25.000	-.02	616	26.800	.25
003	0.1250	1.99	357	0.1200	.97	669	26.115	.50	297	25.000	-.02	Avg	26.692	
208	0.1205	1.28	353	0.1200	.97	731	26.100	.49	610	24.700	-.17	096	26.500	-.33
520	0.1200	1.21	345	0.1150	.72	588	26.000	.46	407	24.735	-.29	202	26.500	-.33
598	0.1200	1.21	366	0.1150	.72	208	26.000	.46	229	24.500	-.35	353	26.180	-.64
294	0.1200	1.21	017	0.1150	.72	098	25.850	.43	358	24.190	-.41	345	25.530	-.72
550	0.1190	1.15	726	0.1176	.69	505	25.000	.33	226	25.000	-.47	413	25.400	-.79
185	0.1170	.80	508	0.1148	.34	638	25.200	.30	074	25.000	-.47	038	25.300	-.85
148	0.1120	.13	037	0.1140	.24	689	24.500	.17	100	24.000	-.49	567	25.000	-1.03
171	0.1110	.13	Avg	0.1124		Avg	24.691		185	24.000	-.49	560	24.650	-1.26
011	0.1117	.12	035	0.1100	-.31	350	22.100	-.43	144	24.000	-.50	037	24.550	-1.30
Avg	0.1110		202	0.1100	-.31	178	22.500	-.48	300	23.475	-.75	309	24.315	-1.49
610	0.1105	-.09	309	0.1100	-.34	354	21.585	-.55	208	23.500	-.76	017	23.500 R	-2.46
425	0.1100	-.13	186	0.1105	-.40	710	21.500	-.57	164	23.400	-.77	169	14.000 s	-7.71
510	0.1100	-.13	616	0.1095	-.49	646	20.975	-.71	026	23.350	-.79	--	Method 028.99	--
098	0.1100	-.13	021	0.1085	-.51	629	20.800	-.72	512	22.950	-1.00	607	27.114	1.29
074	0.1100	-.13	199	0.1086	-.53	675	20.725	-.75	553	22.700	-1.10	692	25.150	.54
242	0.1100	-.13	106	0.1085	-.54	590	20.195	-.86	187	22.170	-1.34	693	24.695	.35
164	0.1100	-.13	560	0.1075	-.66	014	19.000	-1.16	629	22.000	-1.42	121	23.821	.20
083	0.1100	-.13	096	0.1050	-1.15	175	18.500	-1.25	405	21.500	-1.67	Avg	23.807	
297	0.1100	-.13	567	0.1050	-1.15	305	14.355 S	-2.20	695	16.500 s	-4.00	846	22.365	-.67
029	0.1091	-.38	038	0.1025	-1.31	278	14.000 S	-2.28	049	16.220 s	-4.27	613	19.700	-1.71
187	0.1043	-.93	045	0.1012	-1.49									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 029.00	--	--	Method 031.01	--	--	Method 031.03	--	--	Method 031.05	--	--	Method 031.06	--
675	0.0035	.71	Avg	0.8470	1.66	510	0.8900	.37	405	0.7850	-2.04	645	0.7250	s -3.41
--	Method 031.00	--	035	0.8450	-.18	307	0.8650	R .96	661	0.6850	s -4.26	645	0.7250	s -3.41
622	0.8450	.71	656	0.8450	-.18	720	0.8750	.57	661	0.6850	s -4.26	661	0.6850	s -4.26
--	Method 031.01	--	354	0.8450	-.18	026	0.8650	.24	--	Method 031.06	--	--	Method 031.06	--
591	0.9275	2.69	139	0.8400	-.23	208	0.8625	.18	536	0.8500	1.02	536	0.8500	1.02
849	0.9250	2.65	588	0.8385	-.32	Avg	0.8609		138	0.8350	.32	138	0.8350	.32
337	0.9150	R 2.42	098	0.8400	-.41	036	0.8545	-.30	Avg	0.8300		Avg	0.8300	
625	0.8950	1.61	511	0.8400	-.41	003	0.8500	-.41	686	0.8050	-1.16	686	0.8050	-1.16
679	0.8900	1.44	263	0.8348	-.41	047	0.8150	-1.75	--	Method 031.99	--	--	Method 031.99	--
019	0.8900	1.44	178	0.8350	-.43	--	Method 031.05	--	588	0.9475	1.57	588	0.9475	1.57
036	0.8885	1.39	710	0.8350	-.43	309	1.0445	s 3.79	729	0.9350	1.35	729	0.9350	1.35
674	0.8600	R 1.09	018	0.8465	-.62	028	1.0000	S 2.73	693	0.8705	.29	693	0.8705	.29
350	0.8790	1.07	621	0.8300	-.66	160	0.9885	2.48	590	0.8650	.22	590	0.8650	.22
175	0.8750	.95	169	0.8250	-.75	265	0.9600	1.96	Avg	0.8526		Avg	0.8526	
016	0.8610	.81	651	0.8340	-.77	353	0.9650	1.96	724	0.8500	-.04	724	0.8500	-.04
026	0.8650	.78	670	0.8200	-.90	682	0.9500	1.62	673	0.8450	-.15	673	0.8450	-.15
731	0.8700	.77	039	0.8178	-.98	508	0.9438	1.55	692	0.8450	R -.43	692	0.8450	R -.43
001	0.8665	.66	675	0.8150	-1.08	106	0.9335	1.26	552	0.8200	-.53	552	0.8200	-.53
723	0.8650	.62	607	0.8132	-1.13	202	0.9200	.98	613	0.7850	-1.11	613	0.7850	-1.11
034	0.8650	.62	108	0.8450	R -1.17	425	0.9200	.96	065	0.7555	-1.59	065	0.7555	-1.59
650	0.8650	.62	152	0.8150	-1.18	021	0.9160	.89	--	Method 032.01	--	--	Method 032.01	--
669	0.8625	.55	646	0.8100	-1.24	616	0.9110	.87	675	0.6950	R 2.27	675	0.6950	R 2.27
638	0.8600	.43	609	0.8100	-1.28	598	0.9150	.85	720	0.6850	1.98	720	0.6850	1.98
233	0.8600	.43	122	0.8050	-1.41	300	0.8884	.78	307	0.6550	1.23	307	0.6550	1.23
722	0.8595	.42	529	0.8050	-1.41	100	0.9100	.77	609	0.6500	1.13	609	0.6500	1.13
619	0.8570	.39	623	0.8039	-1.44	168	0.8895	.75	205	0.6470	1.06	205	0.6470	1.06
563	0.8581	.37	647	0.8000	-1.57	037	0.9085	.71	563	0.6437	.96	563	0.6437	.96
038	0.8505	.37	633	0.7963	-1.69	027	0.9030	.60	529	0.6350	.76	529	0.6350	.76
620	0.8563	.35	689	0.7900	-1.93	366	0.8900	.53	628	0.6350	.76	628	0.6350	.76
629	0.8500	.35	687	0.7200	s -4.25	096	0.8900	.53	337	0.6345	.74	337	0.6345	.74
305	0.8500	.35	716	0.4400	s -13.59	358	0.8950	.52	098	0.6300	.63	098	0.6300	.63
278	0.8500	.35	--	Method 031.02	--	413	0.8800	.45	305	0.6050	R .60	305	0.6050	R .60
848	0.8500	.35	505	0.8850	1.23	185	0.8965	.44	278	0.6250	.52	278	0.6250	.52
706	0.8500	.35	011	0.8660	.30	560	0.8895	.43	619	0.6040	.14	619	0.6040	.14
205	0.8500	.17	013	0.8600	.03	550	0.8930	.42	208	0.6070	.09	208	0.6070	.09
363	0.8500	.10	Avg	0.8593		042	0.8940	.39	Avg	0.6039		Avg	0.6039	
142	0.8500	.10	014	0.8260	-1.38	029	0.8822	.39	--	Method 031.99	--	--	Method 031.99	--
						357	0.8850	.38						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 032.01	--	--	Method 032.05	--	--	Method 032.05	--	--	Method 033.01	--	--	Method 033.03	--
035	0.6000	-0.09	353	0.6550	.70	407	0.5985	-1.08	021	1.3100	2.06	190	0.4400 S	-1.49
354	0.5950	-0.25	366	0.6400	.59	029	0.5975	-1.11	026	1.3000	1.82	--	Method 033.05	--
591	0.5930	-0.26	083	0.6500	.50	242	0.5950	-1.19	178	1.2700 R	1.66	171	1.2550	.71
038	0.5935	-0.32	202	0.6500	.50	358	0.5950	-1.26	278	1.2750	1.20	--	Method 033.99	--
139	0.5875	-0.42	042	0.6525	.48	100	0.5900	-1.36	098	1.2750	1.14	552	1.2200	.95
175	0.5850	-0.47	520	0.6450	.30	550	0.5880	-1.41	610	1.2695	.99	673	1.2000	.84
350	0.5704	-0.81	567	0.6450	.30	645	0.5675 R	-2.19	202	1.2600	.78	693	1.1885	.78
670	0.5630	-1.03	106	0.6450	.29	--	Method 032.99	--	354	1.2550	.61	855	1.1500	.57
505	0.5500	-1.32	021	0.6445	.25	693	0.6960	.83	205	1.2550	.61	619	1.0550	.10
650	0.5410	-1.52	616	0.6405	.23	692	0.6700	.45	337	1.2400	.57	011	1.0442	--
142	0.5400	-1.54	508	0.6362	.16	Avg	0.6379	--	242	1.2500	.47	716	1.0300	-0.08
710	0.5250	-1.90	510	0.6400	.12	065	0.5478	-1.27	011	1.2495	.45	681	0.7900	-1.37
--	Method 032.02	--	Avg	0.6360	--	--	Method 033.00	--	229	1.2450	.36	723	0.7200	-1.75
716	0.6600	1.42	610	0.6315	-.14	--	Method 033.00	--	710	1.2450	.36	--	Method 034.01	--
665	0.6550	1.08	148	0.6310	-.15	539	1.2800	.91	175	1.2400	.33	038	0.4075	.83
Avg	0.6243	--	265	0.6350	-.15	588	1.2750	.88	510	1.2400	.20	Avg	0.3963	--
590	0.6230	-0.28	187	0.6310	-.15	297	1.2480	.73	559	1.2400	.20	638	0.3850	-0.90
731	0.6150	-0.37	300	0.6304	-.33	849	1.2450	.71	Avg	1.2325	--	--	Method 034.04	--
169	0.6050	-0.70	144	0.6200	-.46	567	1.2400	.68	413	1.2250	-.24	610	0.5135	1.71
588	0.5880	-1.27	164	0.6200	-.46	675	1.2350	.65	096	1.2300	-.27	164	0.4350	.76
108	0.4750 S	-5.23	185	0.6185	-.51	366	1.2300	.64	042	1.2300	-.27	572	0.4015	.35
--	Method 032.03	--	572	0.6235	-.53	689	1.2250	.61	590	1.2300	-.27	169	0.3750	.06
003	0.6400	.71	186	0.6280	-.54	731	1.2050	.48	100	1.2200	-.33	Avg	0.3731	--
--	Method 032.05	--	560	0.6350	-.55	309	1.2005	.46	199	1.2100	-.66	208	0.3555	-0.24
695	1.7450 s	32.05	309	0.6175	-.60	160	1.1800	.34	185	1.2058	-.71	563	0.3495	-0.31
160	0.7958 s	4.63	011	0.6148	-.62	407	1.1700	.29	164	1.2050	-.74	171	0.3350 X	-0.47
294	0.7400	3.00	199	0.6133	-.66	Avg	1.1196	--	307	1.1900	-1.25	619	0.2200	-1.87
405	0.7200	2.44	553	0.6170	-.66	653	1.1100	-.13	425	1.1850	-1.27	--	Method 034.05	--
345	0.7050	2.00	038	0.6275	-.72	045	1.0300	-.52	650	1.1850	-1.43	309	343.50 S1894.04	--
226	0.7000	1.87	598	0.6350	-.72	358	0.9200	-1.14	106	1.1750	-1.54	560	0.4670	1.26
425	0.7000	1.85	413	0.6150	-.74	628	0.8550	-1.50	226	1.1700	-1.68	Avg	0.2382	--
037	0.6865	1.46	035	0.6100	-.75	695	0.7750	-1.95	686	1.1650	-1.84	629	0.1275	-0.61
096	0.6700	1.02	229	0.6100	-.80	679	0.7300	-2.21	--	Method 033.03	--	504	0.1200	-0.73
049	0.6700	.98	026	0.6060	-.88	353	0.5350 S	-3.31	726	0.9600	1.28	--	Method 034.05	--
726	0.6682	.93	297	0.6050	-.91	--	Method 033.03	--	144	0.8400	.68	309	343.50 S1894.04	--
357	0.6600	.75	045	0.6025	-.97	--	Method 033.03	--	Avg	0.7890	--	560	0.4670	1.26
			017	0.6050	-.99				265	0.7100	-.17	629	0.1275	-0.61
			208	0.6045	-1.00				598	0.6460	-.39	504	0.1200	-0.73

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 034.99	--	--	Method 035.01	--	--	Method 035.03	--	--	Method 035.99	--	--	Method 036.04	--
693	2.2050 S	.00	Avg	0.3861	-1.44	510	0.3835	-.25	693	0.4220	.77	226	0.3600	.83
--	Method 035.00	--	686	0.3620	-1.44	567	0.3850	-.28	692	0.4150	.54	Avg	0.3475	
122	0.4450	2.19	--	Method 035.03	--	242	0.3800	-.40	Avg	0.3995		510	0.3350	-.90
591	0.4310	1.68	199	0.3800	-.40	199	0.3800	-.40	065	0.3614	-1.27	--	Method 037.01	--
720	0.4200	1.29	029	0.3797	-.41	029	0.3797	-.41	613	0.2750 S	-4.16	612	234.50 s	3.67
628	0.4150	1.13	309	0.3800	-.45	309	0.3800	-.45	--	Method 036.00	--	175	220.00 s	2.78
233	0.4050 R	.93	185	0.3765	-.55	185	0.3765	-.55	297	0.3400	.00	628	220.00	1.97
098	0.4050	.78	144	0.3800	-.58	144	0.3800	-.58	307	0.4800 S	.00	720	213.41	1.33
337	0.4025	.75	045	0.3750	-.61	045	0.3750	-.61	Avg	0.3400		013	214.00	1.33
529	0.4020	.67	049	0.3750	-.64	049	0.3750	-.64	--	Method 036.03	--	722	213.53	1.26
653	0.3980	.60	553	0.3690	-.89	100	0.3700	-.91	--	Method 036.03	--	039	212.59	1.17
650	0.3975	.56	208	0.4185	1.27	083	0.3650	-1.04	160	0.4080	2.23	178	203.00 R	1.10
722	0.3975	.49	037	0.4175	1.20	695	0.3650	-1.04	187	0.3754	1.05	619	211.50	1.08
278	0.3950	.44	017	0.4100 R	1.19	358	0.3650	-1.04	589	0.3735	.98	098	204.50 R	1.07
205	0.3945	.42	345	0.4150	1.08	695	0.3650	-1.04	708	0.3735	.98	529	209.50	.86
619	0.3895	.22	096	0.4150	1.08	520	0.3650	-1.04	186	0.3625	.62	350	207.35	.59
675	0.3850	.18	300	0.3915 R	.98	550	0.3640	-1.07	294	0.3600	.61	689	205.50	.54
208	0.3850	.18	413	0.4100	.95	645	0.3575	-1.43	021	0.3615	.56	038	204.50	.47
656	0.3850	.18	726	0.4114	.91	089	0.3500	-1.65	560	0.3585	.43	710	205.00	.35
Avg	0.3836		508	0.4042	.72	035	0.3400	-2.07	353	0.3550	.35	278	202.75	.25
307	0.3800	-.13	021	0.4050	.69	661	0.3250	-2.70	357	0.3500	.12	588	203.50	.18
354	0.3750	-.35	011	0.4057	.68	405	0.2685 s	-5.05	508	0.3472	.09	563	203.10	.16
152	0.3750	-.35	098	0.4050	.68	--	Method 035.05	--	Avg	0.3467		Avg	201.95	
175	0.3750	-.35	366	0.3950	.67	169	0.4250	1.44	202	0.3400	-.24	010	200.00	-.21
038	0.3730	-.42	598	0.4000	.60	294	0.4250	1.44	171	0.3410	-.25	638	199.50	-.27
142	0.3700	-.48	038	0.3910	.46	560	0.4050	.70	038	0.3370	-.41	505	199.00	-.34
139	0.3615	-.82	186	0.3995	.44	171	0.3930	.24	366	0.3400	-.44	669	198.82	-.38
363	0.3600	-.84	229	0.4000	.44	Avg	0.3876		345	0.3350	-.46	591	198.46	-.39
710	0.3550	-1.03	164	0.4000	.44	590	0.3865	-.05	045	0.3320	-.54	019	198.50	-.54
670	0.3535	-1.08	682	0.4000	.44	588	0.3825	-.20	693	0.3300	-.62	354	195.65	-.69
305	0.3500	-1.20	353	0.4000	.44	731	0.3800	-.29	042	0.3210	-.94	590	200.30	-.69
609	0.3350	-1.74	226	0.3950	.31	665	0.3800	-.29	106	0.2975	-1.79	208	195.00	-.76
035	0.3150	-2.45	148	0.3940	.19	716	0.3565	-1.20	300	0.3000 R	-1.89	731	194.55	-.81
--	Method 035.01	--	407	0.3915	.09	106	0.3425	-1.78	616	0.2820	-2.38	305	193.82	-.89
563	0.4021	.96	425	0.3900	.02	108	0.2950 S	-3.58	169	0.2150 S	-4.79	307	197.50	-.95
647	0.3900	.64	297	0.3900	.02	550	0.1290 s	-7.92	598	0.0500 s	-10.79	504	201.50 R	-1.04
138	0.3905	.30	Avg	0.3895		572	0.3865	-.23				716	192.50	-1.04
			610	0.3855	-.25	610	0.3855	-.25				014	189.00	-1.48

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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 037.99	--	--	Method 101.01	--	--	Method 106.02	--
675	177.61	-2.66	144	183.70	-1.51	613	220.00	1.96	208	819.50	.71	619	12.000 s	6.67
035	161.00 s	-4.47	629	176.50	-2.11	693	202.50	.61	--	--	--	723	11.820 s	6.48
646	158.25 s	-4.78	695	174.00	-2.34	121	198.92	.58	--	Method 101.02	--	512	7.1310	2.23
674	148.99 s	-7.11	168	159.45 s	-3.65	607	202.02	.39	858	585.26	.71	014	6.9500 R	2.09
--	Method 037.03	--	--	Method 037.05	--	692	198.00	.32	--	--	--	038	6.2970	1.48
405	247.50 s	4.06	616	268.50 s	3.54	Avg	197.08	--	--	Method 102.01	--	208	6.1500	1.34
003	222.50 R	2.65	160	241.00	1.89	846	192.77	-.38	227	57.250	.87	003	5.3000	.58
550	223.67	2.00	028	233.00	1.42	047	188.35	-.71	Avg	28.686	--	004	5.1000	.39
004	219.00	1.59	353	231.80	1.32	848	186.18	-.87	858	0.1215	-.86	616	4.7200	.17
511	216.00	1.32	106	230.50	1.28	051	185.00	-1.51	--	Method 104.00	--	563	4.8245	.14
148	215.70	1.30	027	222.87	1.02	--	Method 038.00	--	171	4.9750 X	1.30	Avg	4.6696	--
011	214.08	1.18	016	221.00	1.02	693	0.9150	1.27	Avg	4.5650	--	560	4.5900	-.08
171	212.50	1.04	038	223.00	.88	510	0.9000	.91	208	4.4000	-.46	199	4.4550	-.20
229	208.00	.81	357	223.00	.78	011	0.8053	.64	227	4.3200	-.77	610	4.3600	-.29
510	209.50	.76	413	222.50	.76	Avg	0.8031	--	--	--	--	021	4.3100	-.33
300	201.30	.47	096	210.00	.59	106	0.7700	-.42	--	Method 104.03	--	227	4.2300	-.44
074	205.50	.46	366	215.50	.56	560	0.7785	-.43	--	Method 104.00	--	160	4.0550	-.56
187	205.41	.42	572	219.00	.55	038	0.6500	-1.51	563	3.2154	.86	860	3.9450	-.66
100	204.50	.39	017	217.00	.43	--	Method 039.01	--	Avg	3.0090	--	096	3.9250	-.67
598	204.00	.38	726	216.78	.42	--	Method 039.01	--	858	2.8025	-.87	016	3.6650	-.91
083	201.50	.23	Avg	209.84	--	164	0.7000	.00	--	Method 105.00	--	675	2.3250	-2.12
610	203.00	.19	202	205.00	-.31	--	Method 039.02	--	160	15.330	.87	--	Method 107.00	--
164	202.50	.15	021	203.50	-.39	--	Method 039.02	--	Avg	14.398	--	858	55.200	.87
297	202.00	.14	042	209.50	-.56	508	1.2080	1.16	858	13.465	-.86	Avg	43.150	--
Avg	200.79	--	199	198.55	-.67	Avg	1.0426	--	--	Method 105.01	--	227	31.100	-.87
185	199.50	-.12	190	197.84	-.72	011	0.8773	-.40	--	--	--	--	Method 108.01	--
512	199.20	-.15	508	209.59	-.74	--	Method 040.00	--	208	21.880	.79	--	Method 108.00	-.69
226	197.50	-.29	186	205.50	-.84	--	Method 040.00	--	Avg	19.990	--	096	0.5850	.69
098	198.00	-.30	560	195.00	-.88	560	3.9150	.71	227	18.100	-.94	Avg	0.5740	--
265	200.50	-.30	037	197.35	-.94	--	Method 041.00	--	--	Method 106.00	--	227	0.5630	-1.01
242	199.00	-.38	860	193.68	-.96	011	0.2475	.71	--	Method 106.00	--	--	Method 108.02	--
029	198.20	-.41	045	193.50	-.97	--	Method 041.00	--	171	10.700 S	.00	--	Method 108.00	.71
520	199.00	-.54	567	193.00	-1.00	--	Method 050.00	--	--	Method 106.01	--	208	0.6000	.71
407	193.00	-.68	309	192.15	-1.05	--	Method 050.00	--	--	Method 106.01	--	--	Method 109.02	--
049	193.23	-.74	345	189.34	-1.22	169	5.6850	-.71	858	4.3630	.71	--	Method 109.02	1.84
358	193.10	-.80	294	175.00	-2.07	--	Method 041.00	--	--	Method 106.00	--	563	106.08	.87
026	188.00	-1.11	169	107.50 s	-6.07	--	Method 041.00	--	--	Method 106.00	--	227	96.600	.87
553	185.50	-1.33	--	--	--	--	Method 041.00	--	--	Method 106.00	--	858	95.350	.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 109.02	--	--	Method 120.00	--	--	Method 123.00	--	--	Method 126.00	--	--	Method 128.00	--
610	90.650	.34	350	1.8235	-.59	859	4.6835	-.71	227	1.9045	.52	160	0.8954	-.67
Avg	88.184		676	1.8145	-.75				684	1.8885	.22	675	0.8700	-.91
675	84.740	-.40	619	1.8050	-.79	--	Method 124.00	--	644	1.8735	.16	038	0.6975	-2.58
560	82.800	-.56	675	1.8000	-.85	160	0.5532 s	5.56	Avg	1.8732		--	Method 129.00	--
199	82.050	-.64	038	1.7515	-1.38	675	0.4400	1.76	350	1.8500	-.35	859	2.7340	1.37
860	80.865	-.87	--	Method 121.00	--	684	0.4220	1.21	504	1.8450	-.40	684	2.7000	1.09
208	74.525	-1.41	160	1.7693 s	5.25	571	0.4060	.62	619	1.8300	-.62	652	2.6650	.87
619	0.0865 s	-9.07	859	1.5780	1.69	652	0.4000	.52	675	1.8150	-.82	571	2.6600	.75
--	Method 109.99	--	571	1.5350	.94	619	0.3885	.02	676	1.7930	-1.25	227	2.6435	.64
723	122.30	.86	644	1.5275	.76	Avg	0.3880		038	1.7650	-1.53	504	2.6150	.42
Avg	107.90		227	1.5195	.66	859	0.3735	-.48	--	Method 127.00	--	644	2.5960	.20
096	93.500	-.88	652	1.5150	.59	038	0.3755	-.58	675	0.6600	1.60	Avg	2.5722	
--	Method 112.00	--	Avg	1.4870		504	0.3750	-.66	652	0.6350	1.14	160	2.5485	-.21
227	3895.0	.71	504	1.4800	-.23	350	0.3540	-1.13	571	0.6345	1.10	350	2.5350	-.31
--	Method 112.99	--	684	1.4710	-.33	644	0.3450	-1.42	676	0.6315	1.03	619	2.5100	-.53
858	6.4290	.71	619	1.4650	-.49	--	Method 124.02	--	859	0.6065	.54	675	2.5050	-.57
--	Method 113.01	--	676	1.4510	-.77	227	0.3655	.71	Avg	0.5791		676	2.4205	-1.30
858	1.8520	1.17	350	1.4095	-1.44	--	Method 125.00	--	644	0.5725	-.13	038	2.3060	-2.25
Avg	1.5823		675	1.4050	-1.53	--	Method 122.00	--	160	0.5652	-.28	--	Method 130.00	--
208	1.5700	-.26	038	1.3410 R	-2.82	684	4.7430	1.43	504	0.5600	-.38	038	1.6590 s	14.75
227	1.3250	-1.03	--	Method 122.00	--	652	4.6600 R	1.20	684	0.5545	-.49	160	1.2611	1.44
--	Method 114.01	--	859	2.0910	1.82	675	4.6700	1.01	619	0.5515	-.56	504	1.2550	1.36
227	0.4980	.71	571	2.0450	1.11	227	4.5800	.53	350	0.5440	-.69	859	1.2510	1.26
--	Method 120.00	--	644	2.0355	.94	619	4.5600	.40	227	0.5355	-.90	227	1.2055	.47
160	2.0552	2.00	652	2.0200	.84	644	4.5565	.36	038	0.4780	-2.00	571	1.1900	.24
684	1.9900	1.27	227	1.9900	.29	160	4.5410	.29	--	Method 128.00	--	350	1.1825	.05
859	1.9700	1.04	684	1.9895	.28	Avg	4.4935		571	1.0650	.99	Avg	1.1814	
652	1.9000 R	.62	676	1.9830	.21	350	4.4675	-.15	859	1.0565	.91	644	1.1755	-.12
571	1.9300	.61	Avg	1.9773		504	4.3050	-1.08	227	1.0340	.69	619	1.1650	-.40
Avg	1.8761		619	1.9700	-.34	038	4.2285	-1.52	684	1.0265	.62	652	1.1500	-.67
504	1.8600	-.21	504	1.9500	-.47	676	4.1915	-1.74	504	1.0250	.60	684	1.1440	-.70
227	1.8690	-.30	675	1.9300	-.76	--	Method 126.00	--	652	1.0100 R	.60	675	1.1050	-1.38
644	1.8440	-.36	350	1.9290	-.77	--	Method 126.00	--	644	1.0120	.47	676	1.0920	-1.64
			160	1.9130	-1.03	160	1.9928	1.68	350	0.9890	.27			
			038	1.8590	-1.90	859	1.9760	1.44	619	0.9705	.19			
						571	1.9450	1.01	Avg	0.9632				
						652	1.8900 R	.87	676	0.9175	-.45			

* 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 130.99	--	--	Method 133.00	--	--	Method 135.00	--	--	Method 138.00	--	--	Method 139.00	--
038	1.0650	.71	644	2.0190	.57	676	0.8895	-1.59	644	1.2345	.10	684	1.2305	.09
--	Method 131.00	--	684	2.0170	.55	038	0.8605	-2.19	684	1.2305	.09	160	1.2325	.06
160	0.7040	s 4.86	675	2.0050	.45	--	Method 136.00	--	160	1.2325	.06	Avg	1.2294	
644	0.5920	1.16	571	1.9850	.35	684	0.2595	.88	619	1.1850	-.95	619	1.1850	-.95
859	0.5880	1.03	Avg	1.9529		Avg	0.2455		676	1.1110	-2.40	676	1.1110	-2.40
652	0.5750	.62	038	1.8835	-.71	859	0.2315	-.85	652	1.0750	R -3.21	652	1.0750	R -3.21
684	0.5600	.41	619	1.8600	-.82	038	0.1735	S -4.31	038	0.9030	S -6.62	038	0.9030	S -6.62
571	0.5645	.27	504	1.7850	-1.45	--	Method 136.01	--	--	Method 139.00	--	--	Method 139.00	--
Avg	0.5568		676	1.7815	-1.48	--	Method 136.01	--	--	Method 139.00	--	--	Method 139.00	--
504	0.5500	-.40	--	Method 134.00	--	160	0.3530	s 14.43	675	1.0900	1.29	675	1.0900	1.29
619	0.5505	-.40	160	1.2731	1.71	227	0.2560	1.06	Avg	0.4328		Avg	0.4328	
350	0.5415	-.53	675	1.2450	1.20	644	0.2530	.66	504	0.1300	-.59	504	0.1300	-.59
675	0.4900	-2.20	859	1.2290	.95	Avg	0.2483		676	0.0785	-.70	676	0.0785	-.70
038	0.4710	R -2.98	227	1.2140	.68	571	0.2455	-.38	--	Method 140.00	--	--	Method 140.00	--
--	Method 131.02	--	571	1.1950	.37	619	0.2385	-1.34	--	Method 140.00	--	--	Method 140.00	--
227	0.5285	.71	038	1.1840	.27	--	Method 136.99	--	859	0.0300	.00	859	0.0300	.00
--	Method 132.00	--	684	1.1840	.20	--	Method 136.99	--	--	Method 139.00	--	--	Method 139.00	--
859	1.3335	1.94	Avg	1.1732		504	0.2600	.84	675	1.0900	1.29	675	1.0900	1.29
350	1.2755	.63	619	1.1700	-.05	Avg	0.2528		Avg	0.4328		Avg	0.4328	
227	1.2635	.37	652	1.1400	-.74	610	0.2455	-.89	504	0.1300	-.59	504	0.1300	-.59
619	1.2600	.36	644	1.1260	-.79	--	Method 137.00	--	676	0.0785	-.70	676	0.0785	-.70
571	1.2600	.36	504	1.1150	-1.00	160	0.9913	1.32	--	Method 140.00	--	--	Method 140.00	--
160	1.2477	.18	350	1.1105	-1.04	350	0.9595	.88	160	0.9913	1.32	160	0.9913	1.32
Avg	1.2476		676	1.0665	-1.81	684	0.9470	.70	350	0.9595	.88	350	0.9595	.88
644	1.2405	-.16	--	Method 135.00	--	644	0.9140	.25	684	0.9470	.70	684	0.9470	.70
684	1.2350	-.30	160	1.0379	1.54	676	0.9135	.24	644	0.9140	.25	644	0.9140	.25
675	1.2300	-.45	859	1.0110	1.00	Avg	0.8972		676	0.9135	.24	676	0.9135	.24
504	1.2300	-.45	652	1.0000	.77	675	0.8400	-.82	Avg	0.8972		675	0.8400	-.82
652	1.2450	R -.79	571	0.9940	.63	504	0.8350	-.90	675	0.8400	-.82	675	0.8400	-.82
676	1.1475	-2.32	644	0.9830	.39	227	0.7775	-1.70	504	0.8350	-.90	504	0.8350	-.90
038	1.1070	s -3.28	684	0.9790	.39	--	Method 138.00	--	227	0.7775	-1.70	227	0.7775	-1.70
--	Method 133.00	--	675	0.9750	.24	--	Method 138.00	--	--	Method 138.00	--	--	Method 138.00	--
652	2.1400	R 1.72	Avg	0.9648		227	1.2800	1.03	227	1.2800	1.03	227	1.2800	1.03
227	2.0960	1.25	227	0.9585	-.13	859	1.2760	.94	859	1.2760	.94	859	1.2760	.94
160	2.0970	1.24	619	0.9630	-.21	571	1.2700	.85	571	1.2700	.85	571	1.2700	.85
			504	0.9500	-.38	504	1.2450	.33	504	1.2450	.33	504	1.2450	.33
			350	0.9415	-.51	350	1.2295	.19	350	1.2295	.19	350	1.2295	.19

* 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	11	21.0918	74.09	0.14	009.99	4	5.0711	10.15	0.71
001.03	5	0.0000	1.04	0.17	010.03	5	-0.6295	1.23	0.33
001.07	40	-0.2668	1.38	0.36	010.11	12	-0.0534	0.95	0.09
001.99	22	-0.5912	1.61	0.17	010.99	25	-0.0793	1.03	0.12
002.00	5	0.0000	0.97	0.39	011.01	83	-0.3122	1.63	0.87
002.01	14	0.0000	0.99	0.25	011.99	3	-0.5788	1.24	0.39
002.02	8	0.5550	1.82	0.63	012.00	8	1.6079	4.64	0.35
002.04	4	0.0000	0.95	0.44	012.01	3	0.0000	1.09	0.21
002.05	20	0.4368	1.65	0.18	012.03	2	0.0000	1.15	0.30
002.06	142	-0.0344	1.40	0.36	012.04	5	0.4816	1.43	0.19
002.08	6	0.0000	1.05	0.07	012.11	5	-1.9574	4.47	0.37
002.10	8	0.1622	1.01	0.71	013.02	52	-0.0439	1.00	0.24
002.11	15	0.0591	1.00	0.10	013.10	25	0.0168	0.98	0.46
002.99	5	0.0000	0.94	0.43	013.12	4	0.0000	1.08	0.05
003.00	21	0.0169	0.97	0.11	013.13	2	-5.4932	7.77	0.58
003.06	22	0.4298	1.70	0.12	013.99	10	0.0000	1.02	0.10
003.09	13	0.0000	1.02	0.09	015.00	11	0.0000	0.97	0.32
003.10	23	-0.0453	0.98	0.07	017.00	8	-0.0645	0.97	0.40
003.11	12	-0.1025	1.04	0.12	019.00	16	0.2873	1.85	0.41
003.12	4	-1.3985	2.94	0.09	019.01	51	0.5986	3.55	0.44
003.13	3	0.0000	1.11	0.13	019.03	6	0.0000	0.79	0.63
003.14	14	0.0552	1.00	0.14	019.05	44	-0.1303	1.68	0.39
003.99	8	-0.9892	2.03	0.51	019.08	7	0.0000	1.02	0.21
004.00	28	0.1408	1.41	0.27	019.09	30	0.1623	1.24	0.49
004.01	2	0.8309	1.17	0.50	019.99	10	-0.3957	2.39	0.37
004.03	3	0.0000	1.10	0.17	020.01	5	0.0000	0.87	0.54
004.06	35	0.0848	1.09	0.35	021.01	5	2.4710	5.60	0.18
004.07	44	1.0879	4.68	0.47	021.02	7	1.6732	4.53	0.33
004.11	13	-0.0523	0.99	0.14	022.01	32	-0.0013	1.47	0.64
004.99	7	0.9621	2.39	0.27	022.03	36	0.5395	2.35	0.60
005.00	140	0.0668	2.94	1.98	022.05	29	0.0441	1.91	0.19
005.11	10	-0.4045	1.55	0.40	022.99	6	0.0000	1.01	0.27
005.99	18	0.0000	0.96	0.32	025.01	31	-0.2676	1.61	0.38
008.02	15	0.9616	2.76	0.34	025.03	35	0.4008	3.50	1.62
008.08	19	0.0590	1.01	0.50	025.05	24	-0.1301	1.32	0.42
008.99	6	5.1925	8.26	1.73	025.99	5	0.0000	0.89	0.51
009.04	2	0.0000	0.92	0.57	026.99	2	0.0000	1.22	0.08
009.07	8	0.2641	1.21	0.45	027.01	31	0.0237	1.53	0.41
009.09	16	0.0000	0.97	0.28	027.03	35	0.4945	3.17	0.45

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	2.3931	11.76	11.95	104.03	2	0.0000	1.21	0.11
027.99	4	0.0000	1.08	0.05	105.00	2	0.0000	1.22	0.05
028.01	30	0.0417	1.01	0.18	105.01	2	0.0000	1.06	0.43
028.03	36	-0.1807	1.37	0.30	106.02	20	0.7591	2.24	0.18
028.05	28	0.1641	2.29	0.87	107.00	2	0.0000	1.22	0.04
028.99	6	0.0000	0.98	0.34	108.01	2	0.0000	0.89	0.60
031.01	63	-0.2411	2.04	0.34	109.02	10	-0.9070	3.02	0.19
031.02	4	0.0000	1.01	0.32	109.99	2	0.0000	1.20	0.16
031.03	8	0.0193	0.95	0.37	113.01	3	0.0000	0.95	0.48
031.05	69	-0.0566	1.23	0.31	120.00	13	0.0205	0.97	0.21
031.06	3	0.0000	1.05	0.32	121.00	13	0.1949	1.92	0.29
031.99	10	-0.0125	0.97	0.15	122.00	13	0.0000	1.00	0.21
032.01	26	0.0851	1.05	0.23	124.00	11	0.4977	1.89	0.41
032.02	7	-0.7430	2.16	0.36	125.00	12	0.0790	1.00	0.25
032.05	57	0.6081	4.39	0.35	126.00	13	0.0181	0.96	0.31
032.99	3	0.0000	1.12	0.07	127.00	13	0.0000	1.01	0.16
033.00	19	-0.1742	1.24	0.08	128.00	13	0.0350	0.98	0.13
033.01	31	0.0322	0.97	0.35	129.00	13	0.0000	1.01	0.16
033.03	5	0.0000	1.05	0.12	130.00	13	0.6630	2.58	3.32
033.99	8	0.0000	1.03	0.05	131.00	11	0.1838	1.98	0.35
034.01	2	0.0000	1.16	0.27	132.00	13	-0.2476	1.26	0.39
034.04	8	0.0000	1.03	0.10	133.00	11	0.1461	1.07	0.25
034.05	4	473.3104	946.62	27.58	134.00	13	0.0000	0.99	0.23
035.00	30	0.0253	0.99	0.19	135.00	13	0.0000	1.01	0.17
035.01	4	0.0000	1.02	0.32	136.00	3	-1.4368	2.63	0.19
035.03	56	0.1427	1.49	0.29	136.01	5	2.8667	6.48	0.77
035.05	11	-0.3212	1.43	0.25	136.99	2	0.0000	1.19	0.21
035.99	4	-1.0332	2.25	0.28	137.00	8	0.0000	1.03	0.13
036.00	2	0.0000	0.00	0.00	138.00	12	-0.8114	2.23	0.28
036.03	25	-1.0079	2.88	0.24	139.00	3	0.0000	1.12	0.00
036.04	2	0.0000	1.18	0.24					
037.01	37	-0.2474	1.80	0.86					
037.03	36	0.0653	1.34	0.41					
037.05	31	-0.0835	1.56	0.39					
037.99	9	0.0000	0.85	0.55					
038.00	6	0.0000	0.91	0.47					
039.02	2	0.0000	0.56	0.77					
102.01	2	0.0000	1.21	0.12					
104.00	3	0.0000	0.99	0.42					